
CONTROL DATA®
6683-D
SATELLITE COUPLER CHASSIS

GENERAL DESCRIPTION
OPERATION
INSTALLATION AND CHECKOUT
THEORY OF OPERATION
DIAGRAMS
PARTS DATA
APPENDIX
 CHASSIS TABS
 CABLE TABS

New features, as well as changes, deletions, and additions to information in the manual, are indicated by bars in the margins or by a dot near the page number if the entire page is affected. A bar by the page number indicates pagination rather than content has changed.

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| Publication No. | |
| 60440900 | |

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or use Comment Sheet in the back of this manual.

MANUAL TO EQUIPMENT LEVEL CORRELATION SHEET

This manual reflects the equipment configurations listed below.

EXPLANATION: Locate the equipment type and series number, as shown on the equipment FCO log, in the list below. Immediately to the right of the series number is an FCO number. If that number and all of the numbers underneath it match all of the numbers on the equipment FCO log, then this manual accurately reflects the equipment.

| EQUIPMENT TYPE | SERIES | WITH FCOs | COMMENTS |
|----------------|----------------------------|---|----------|
| 6683-D | 01 02 03 04 05 | - ECO38750 FCO44396 ECO44910 FCO46282 | Released |

PREFACE

This manual contains information for the CONTROL DATA® 6683-D Satellite Coupler Chassis. The following manuals contain supplementary information related to this equipment.

| <u>Control Data Publication</u> | <u>Publication Number</u> |
|--|-------------------------------|
| 6682-A, 6683-A/B, 6683-D Satellite Couplers Reference Manual | 60334300 |
| Computer Systems Cordwood Modules Manual | 60042700 |
| Peripheral Controller Cabinets Manual | 60224100 |
| CDC CYBER 70/Models 72, 73, 74 6000 Computer Systems Input/Output Specifications Manual | 60352500 |
| CDC CYBER 170/Models 172, 173, 174, 175 Computer Systems Input/ Output Specifications Manual | 19983600 |

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|---|--|

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SECTION 1

GENERAL DESCRIPTION

GENERAL DESCRIPTION

FUNCTIONAL DESCRIPTION

The 6683-D Satellite Coupler is a piece of hardware used in pairs to make two-way communication possible between two 6000-, CDC CYBER 70-, or CYBER 170-series I/O channels. It is not necessary that the two I/O channels be of the same series. The 6683-D can check parity on information received from the I/O channel and the other satellite coupler. A 6683-D may be used with another satellite coupler without parity. In this case, the 6683-D can generate parity for transmission to the PPS. Manual switches select the parity modes. The maximum data transfer rate approaches 1 MHz. The 6683-D may have pass-on capability to other equipment.† Figure 1-1 shows a system configuration.

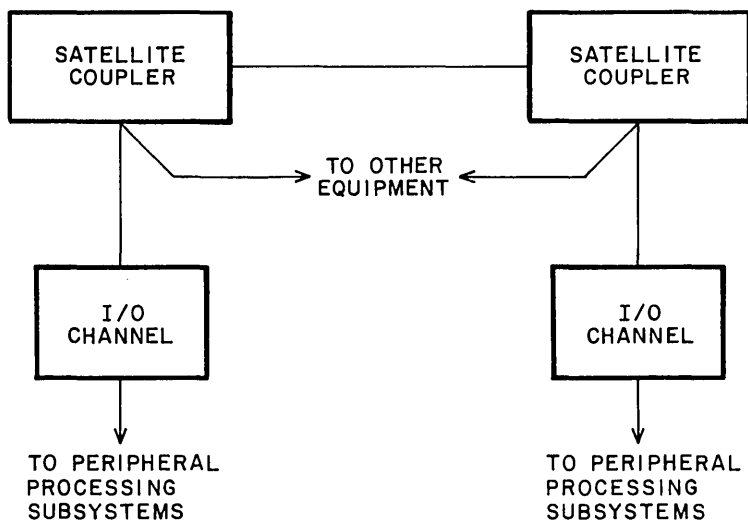


Figure 1-1. System Configuration

† If the 6683-D has a select code other than zero, a QSE is required.

PHYSICAL DESCRIPTION

A basic 6683-D Satellite Coupler consists of 59 cordwood logic modules,[†] one wired chassis, one terminator resistor, and one 61-pin cable that connects to the other satellite coupler. Two I/O channel cables are permanently connected to the chassis.

The chassis is approximately 16 inches (40.6 cm) high by 17.5 inches (44.5 cm) wide by 4.25 inches (10.8 cm) deep. It mounts into an A, B, or C type of peripheral controller cabinet.^{††} A pair of satellite couplers may be contained in a single cabinet, or each satellite coupler may be contained in a separate cabinet.

The cordwood logic modules are air-cooled by a blower in the cabinet. Power required is +6v dc and -6v dc for the logic, and +20v dc and -20v dc for the terminator resistor.

[†] Refer to the computer systems cordwood modules manual, publication number 60042700.

^{††} Refer to the peripheral controller cabinets manual, publication number 60224100.

SECTION 2

OPERATION

OPERATION

PROGRAMMING

The data word format for the 6683-D Satellite Coupler is 12 data bits plus one parity bit.

The 6683-D is controlled by a 12-bit function code word issued by a peripheral processor (PPS) through an I/O channel. Bits 2^9 through 2^{11} of the function code word form the equipment select code (S). This code is established at installation.† Bits 2^0 through 2^8 of the function word determine which function the 6683-D will perform.

The 6683-D checks the parity of function and data words. If a function word has bad parity, the function does not execute. Data with bad parity transfers, and status bits are set indicating where the parity error occurred. If the other coupler does not send a parity bit, the 6683-D generates a parity bit for incoming data. Manual switches select the parity modes.

The 6683-D generates status information during an operation. A PPS can read this information by issuing a status request. The 6683-D generates parity for the status word.

Status and function codes are listed in Table 2-1.

TABLE 2-1. FUNCTION AND STATUS CODES

| Function Codes | | Status Reply Codes | |
|----------------|------|------------------------|------|
| Output | S000 | Output Channel Request | 0001 |
| Input | S100 | Input Channel Request | 0002 |
| Status Request | S200 | Busy | 0004 |
| Master Clear | S700 | Local Parity Error | 0010 |
| | | Remote Parity Error | 0020 |

Refer to the Satellite Coupler hardware reference manual, publication number 60334300, for additional programming information.

† A select code other than zero requires a QSE.

MANUAL CONTROL

The 6683-D chassis has a master clear button in the upper right corner. This switch clears the local coupler, and transmits a master clear signal to the remote coupler.

The logic module in chassis location D01 has four toggle switches. The bottom switch is not used. The other three switches are parity switches. The top parity switch is SW1 in the logic diagrams. The second switch down is SW2, and the third switch is SW3. Parity is enabled when all three parity switches are down. Putting the three parity switches in the up position disables parity. If the other satellite coupler in the system does not have parity checking, SW1 should be down, and SW2 and SW3 should be up.

SECTION 3

INSTALLATION AND CHECKOUT

INSTALLATION AND CHECKOUT

Before installation, give the equipment a thorough visual check. Look for damaged mechanical parts, bent pins, loose wires, etc.

Figure 3-1 shows a 6683-D Satellite Coupler chassis mounted in a type B cabinet. The peripheral controller cabinet manual, publication number 60224100, provides more information on cabinets.

The cabinet must contain a blower for air cooling the logic modules.

The logic modules plug into the chassis locations as indicated on the chassis map, page 5-2.

The equipment select code is determined at installation. The outputs of receiver module C11, which drive inputs 4, 6, and 8 of module A08 (part 1 logic diagram, lower left), determine the equipment select code.† Connect the C11 outputs to give the required combination of bit and $\overline{\text{bit}}$.

The cable connections are shown in Figure 3-1. The cable that connects the two satellite coupler chassis must connect to socket 1A1 on either chassis and socket 1A2 on the other chassis. The remaining socket (1A1 or 1A2) on each chassis must contain a terminator.

Power required for the terminators is +20v and -20v dc. The logic modules require +6v and -6v dc.

It is good practice to check power input connections for short circuits before applying power. At initial power-on, check to see if the supply voltages are within limits. Also check the blower operation.

Clock timing should be checked at installation and at one-year intervals. The clock diagram (part 9 logic diagram) shows how to check the clock timing.

Running the satellite coupler diagnostic, version 8 or 9 as applicable, checks the operation of the equipment.

† A select code other than zero requires a QSE.

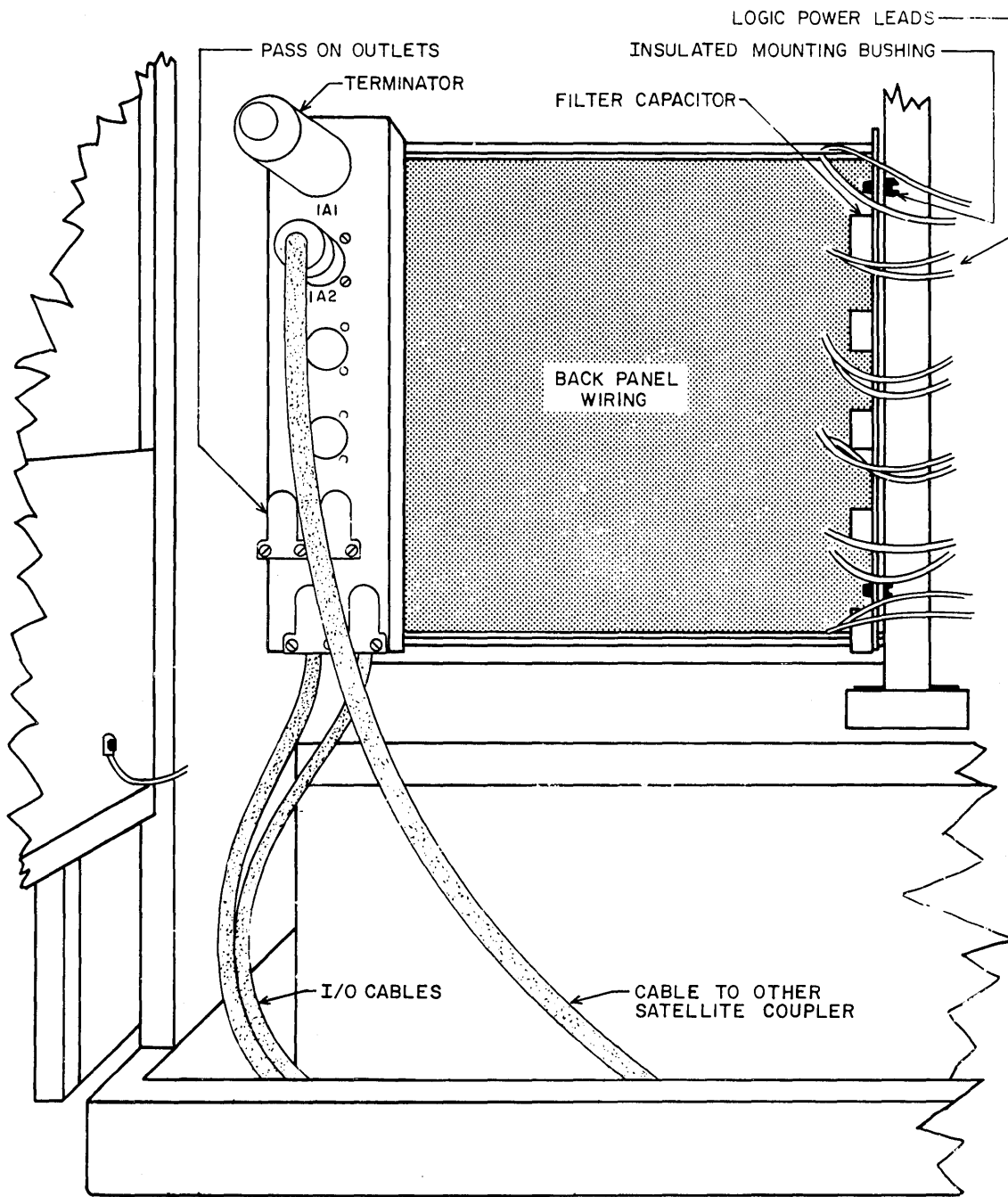


Figure 3-1. 6683-D in a Cabinet (Rear View)

ADDITIONAL CHASSIS INSTALLATION KIT

This is an installation kit for installing additional 5 or 6 row logic chassis in a B size cabinet. This procedure includes: chassis quantities, chassis location map, power wiring, terminator wiring grounding, and parts list.

| REV. | CHASSIS QUANTITIES: | | | | |
|--------------|--------------------------------|-------------------------|-------------------------|--------------------------|--------------------------|
| DOCUMENT NO. | INSTALLATION, REFER TO FIG. | 6681-F 6 ROW CHASSIS | 6683-D 5 ROW CHASSIS | DT122-B 5 ROW CHASSIS | DK518-B 5 ROW CHASSIS |
| A | | | | | |
| 22725500 | 1 | 1 | | | |
| | 2 | 2 | | | |
| | 3 | 3 | | | |
| | 4 | 4 | | | |
| | 5 | | 1 | | |
| | 6 | | 2 | | |
| A | 7 | | 3 | | |
| | 8 | | 4 | | |
| | 5 | | | 1 | |
| | 6 | | | 2 | |
| | 7 | | | 3 | |
| | 8 | | | 4 | |
| 2 | 9 | 1 | 1 | | |
| | 12 | 1 | 2 | | |
| | 14 | 1 | 3 | | |
| | 9 | 1 | | 1 | |
| | 12 | 1 | | 2 | |
| | 14 | 1 | | 3 | |
| | 12 | 1 | 1 | 1 | |
| | 14 | 1 | 2 | 1 | |
| | 14 | 1 | 1 | 2 | |
| | 10 | 2 | 1 | | |
| | 13 | 2 | 2 | | |
| | 10 | 2 | | 1 | |
| | 13 | 2 | | 2 | |
| | 13 | 2 | 1 | 1 | |
| | 11 | 3 | 1 | | |
| | 11 | 3 | | 1 | |
| | 5 | | | | 1 |
| | 6 | | | | 2 |
| | 7 | | | | 3 |
| | 8 | | | | 4 |
| | 15 | 1 | | | 1 |
| | 10 | 2 | | | 1 |
| | 13 | 2 | 1 | | 1 |
| | 13 | 2 | | 1 | 1 |
| | 14 | 1 | 1 | 1 | 1 |

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A 4318

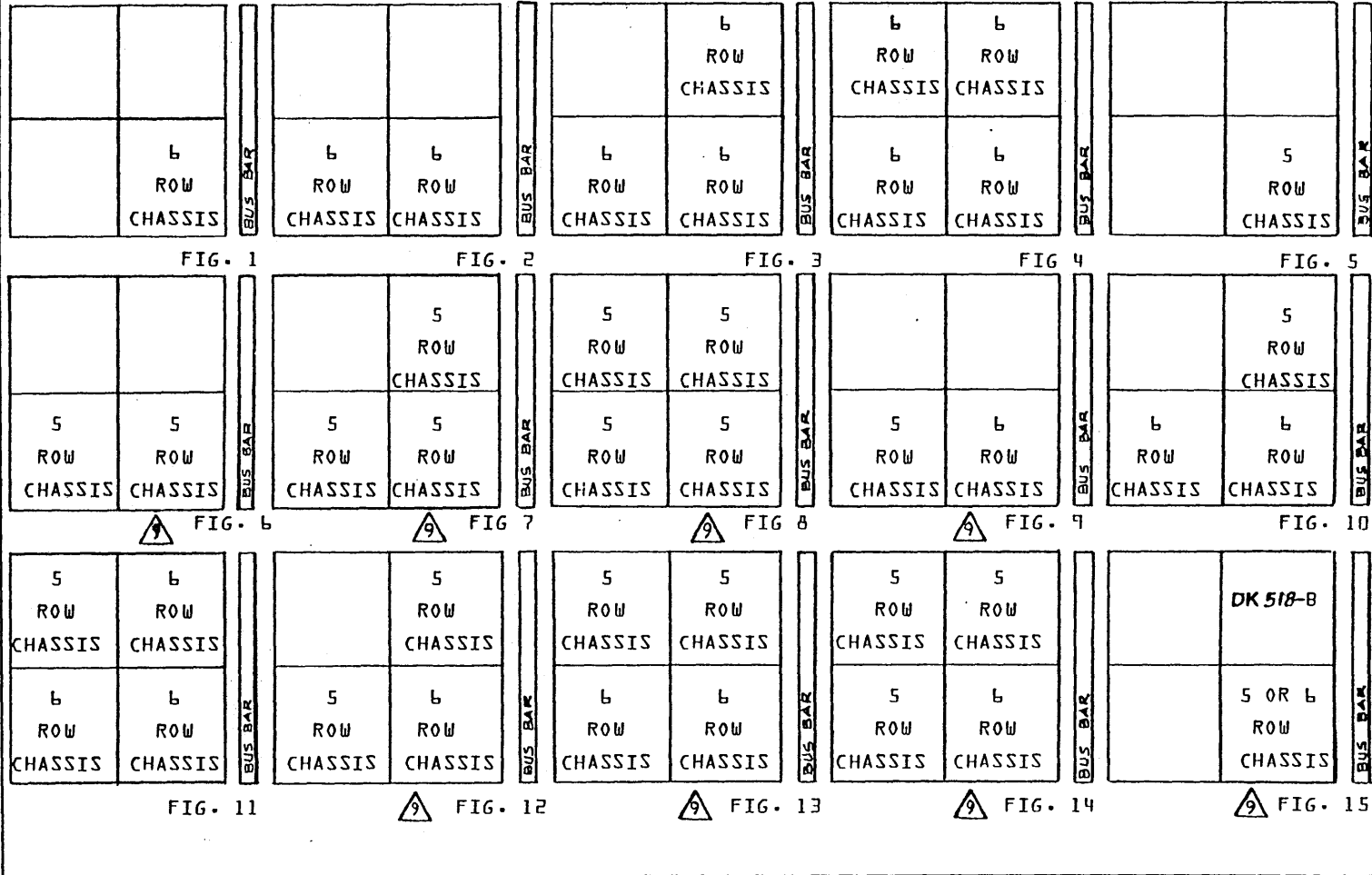
| | | | | | | | | | | |
|---------------------|---|------------|---------|---|--------------------------|--------------------------------|-------------------------|-------------------------|--------------------------|--------------------------|
| CONTROL DATA | INSTALLATION KIT - "B" CABINET CHASSIS | CODE IDENT | SHEET 3 | A | DOCUMENT NO. 22725500 | REV A | CHASSIS QUANTITIES: | | | |
| | | | | | | INSTALLATION, REFER TO FIG. | 6681-F 6 ROW CHASSIS | 6683-D 5 ROW CHASSIS | DT122-B 5 ROW CHASSIS | DK51A-B 5 ROW CHASSIS |
| | | | | | | 7 | | 2 | | 1 |
| | | | | | | 8 | | 2 | 1 | 1 |
| | | | | | | 7 | | 1 | 1 | 1 |
| | | | | | | 8 | | 1 | 2 | 1 |
| | | | | | | 6 | | 1 | | 1 |
| | | | | | | 6 | | | 1 | 1 |
| 7 | | | 2 | 1 | | | | | | |

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| | | | | | | |
|--------------|---|------------|---------|---|--------------------------|----------|
| CONTROL DATA | INSTALLATION KIT - "B" CABINET CHASSIS | CODE IDENT | SHEET 4 | A | DOCUMENT NO. 22725500 | REV A |
| | | | | | | |

REAR VIEWS OF CABINETS



| | |
|-----|-----|
| COM | W1 |
| -6V | W2 |
| A | |
| +6V | W3 |
| COM | W4 |
| -6V | W5 |
| B | |
| +6V | W6 |
| COM | W7 |
| C | |
| +6V | W8 |
| COM | W9 |
| D | |
| +6V | W10 |
| COM | W11 |
| E | |
| +6V | W12 |
| COM | W13 |
| -6V | W14 |
| F | |
| +6V | W15 |
| COM | W16 |

6681-F

| | |
|-----|-----|
| COM | W1 |
| -6V | W2 |
| A | |
| +6V | W3 |
| COM | W4 |
| -6V | W5 |
| B | |
| +6V | W6 |
| COM | W7 |
| C | |
| +6V | W8 |
| COM | W9 |
| D | |
| +6V | W10 |
| COM | W11 |
| E | |
| +6V | W12 |
| COM | W13 |

6683-D

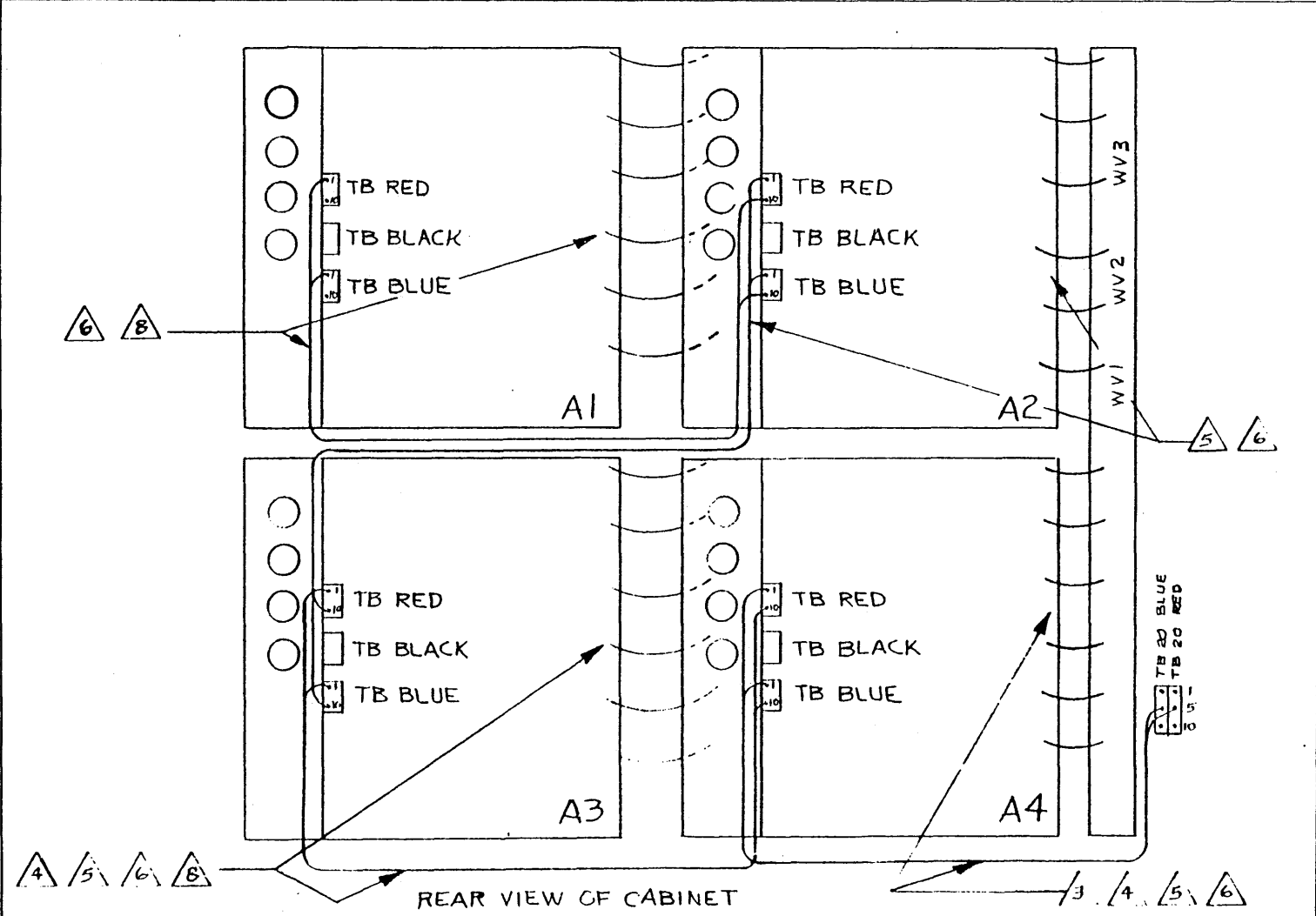
| | |
|-----|-----|
| COM | W1 |
| A | |
| +6V | W2 |
| COM | W3 |
| -6V | W4 |
| B | |
| +6V | W5 |
| COM | W6 |
| -6V | W7 |
| C | |
| +6V | W8 |
| COM | W9 |
| D | |
| +6V | W10 |
| COM | W11 |
| E | |
| +6V | W12 |
| COM | W13 |
| -6V | W14 |

DT122-B

| | |
|-----|-----|
| COM | W1 |
| -6V | W2 |
| A | |
| +6V | W3 |
| COM | W4 |
| -6V | W5 |
| B | |
| +6V | W6 |
| COM | W7 |
| -6V | W8 |
| C | |
| +6V | W9 |
| COM | W10 |
| D | |
| +6V | W11 |
| COM | W12 |
| -6V | W13 |
| E | |
| +6V | W14 |
| COM | W15 |

DK518-B

| | | | | | | |
|---------------------|---|------------|---------|---|--------------------------|----------|
| CONTROL DATA | INSTALLATION KIT - "B" CABINET CHASSIS | CODE IDENT | SHEET 6 | A | DOCUMENT NO. 22725500 | REV A |
|---------------------|---|------------|---------|---|--------------------------|----------|



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CONTROL DATA

INSTALLATION KIT -
"B" CABINET CHASSIS

CODE IDENT

SHEET ?

A

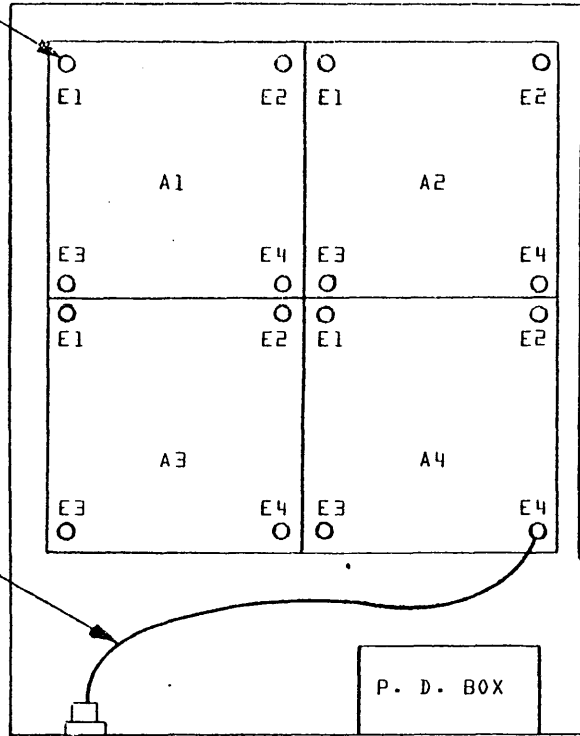
DOCUMENT NO

22725500

REV

A

GROUND POINT
DESTINATIONS



BUS BARS
WV1, WV2, WV3





3/8 INCH BRAID

EMC GROUNDING
TERMINAL (TB30)

P. D. BOX

REAR VIEW OF CABINET

| CONTROL DATA | | INSTALLATION KIT- "B" CABINET CHASSIS | | | CODE IDENT | | SHEET 8 | | DOCUMENT NO. 22725500 | | REV. A |
|------------------|----------|--|--------------|-----------------|------------|-----|-----------------|-------------|--------------------------|-----------------|---|
| CONDUCTOR IDENT. | FIND NO. | GAUGE (REF.) | COLOR (REF.) | LENGTH (APPROX) | ORIGIN | | ACCESS FIND NO. | DESTINATION | | ACCESS FIND NO. | REMARKS |
| / | 3 | 12 | 0 | / | A4 ALL | COM | / | WV2 | COM | / | D. C. } D. C. } D. C. } D. C. } D. C. } 3 4 5 6 |
| ↑ | 1 | 12 | 2 | ↑ | A4 ALL | +6V | ↑ | WV1 | +6V | ↑ | |
| ↓ | 2 | 12 | 6 | ↓ | A4 ALL | -6V | ↓ | WV3 | -6V | ↓ | |
| / | 4 | 16 | 2 | / | A4 TB RED | 1 | / | TB20 RED | 5 | / | |
| / | 4 | 16 | 6 | / | A4 TBBLUE | 1 | / | TB20 BLUE | 5 | / | |
| / | 3 | 12 | 0 | / | A3 ALL | COM | / | A4 BUS BAR | COM | / | D. C. } D. C. } D. C. } D. C. } D. C. } D. C. } 4 5 6 8 |
| ↑ | 1 | 12 | 2 | ↑ | A3 ALL | +6V | ↑ | A4 BUS BAR | +6V | ↑ | |
| ↓ | 2 | 12 | 6 | ↓ | A3 ALL | -6V | ↓ | A4 BUS BAR | -6V | ↓ | |
| / | 4 | 16 | 2 | / | A3 TB RED | 1 | / | A4 TB Red | 10 | / | |
| / | 4 | 16 | 6 | / | A3 TB BLUE | 1 | / | A4 TB BLUE | 10 | / | |
| / | 5 | 1 IN-BRAID | | / | A3 | E4 | / | A4 | E3 | / | |
| / | 5 | 1 IN-BRAID | | / | A3 | E2 | / | A4 | E1 | / | |
| / | 3 | 12 | 0 | / | A2 ALL | COM | / | WV2 | COM | / | D. C. } D. C. } D. C. } D. C. } 5 6 |
| ↑ | 1 | 12 | 2 | ↑ | A2 ALL | +6V | ↑ | WV1 | +6V | ↑ | |
| ↓ | 2 | 12 | 6 | ↓ | A2 ALL | -6V | ↓ | WV3 | -6V | ↓ | |
| / | 4 | 16 | 2 | / | A2 TB RED | 1 | / | A3 TB RED | 10 | / | |

| CONTROL DATA | | INSTALLATION KIT - "B" CABINET CHASSIS | | | CODE IDENT | SHEET 7 | WL | DOCUMENT NO | REV |
|-----------------|---------|--|-------------|-----------------|-----------------|---------|-------------|----------------|--|
| CONDUCTOR IDENT | FIND NO | GAUGE (REF) | COLOR (REF) | LENGTH (APPROX) | ORIGIN | | DESTINATION | | REMARKS |
| | | | | | | | | | |
| / | 4 | 16 | b | / | A2 TB BLUE | 1 | / | A3 TB BLUE 10 | D. C. |
| / | 5 | 1 IN. BRAID | / | / | A2 | E3 | / | A4 E1 | GROUND   |
| / | 5 | 1 IN. BRAID | / | / | A2 | E4 | / | A4 E2 | GROUND |
| / | 3 | 12 | 0 | / | A1 ALL BUS BARS | COM | / | A2 BUS BAR COM | D. C. |
| ↑ | 1 | 12 | 0 | ↑ | A1 ALL BUS BARS | +6V | ↑ | A2 BUS BAR +6V | D. C. |
| ↓ | 2 | 12 | b | ↓ | A1 ALL BUS BARS | -6V | ↓ | A2 BUS BAR -6V | D. C. |
| / | 4 | 16 | 2 | / | A2 TB RED | 1 | / | A2 TB RED 10 | D. C. |
| / | 4 | 16 | b | / | A1 TB BLUE | 1 | / | A2 TB BLUE 10 | D. C.   |
| / | 5 | 1 IN. BRAID | / | / | A3 | E1 | / | A1 E2 | GROUND |
| / | 5 | 1 IN. BRAID | / | / | A3 | E2 | / | A1 E4 | GROUND |
| / | 5 | 1 IN. BRAID | / | / | A1 | E2 | / | A2 E1 | GROUND |

| | | | | | | |
|---------------------|---|------------|----------|---|--------------------------|----------|
| CONTROL DATA | INSTALLATION KIT - "B" CABINET CHASSIS | CODE IDENT | SHEET 10 | A | DOCUMENT NO. 22725500 | REV A |
|---------------------|---|------------|----------|---|--------------------------|----------|

NOTES:

1. REFERENCE DOCUMENTS:
2. IDENTIFY WITH PART NUMBER & REVISION BY MEANS OF A TAG, LABEL OR SIMILAR METHOD.
3. USE ONLY WITH ONE CHASSIS.
4. USE ONLY WITH TWO CHASSIS.
5. USE ONLY WITH THREE CHASSIS.
6. USE ONLY WITH FOUR CHASSIS.
7. WIRING BETWEEN BUS BARS TO BE DONE BETWEEN THE CLOSEST TWO TERMINALS.
8. ONE JUMPER TO A BUS BAR WHEN GOING FROM ONE CHASSIS TO ANOTHER.
9. WHEN A COMBINATION OF A 6683-D, DT122-B, or DK518-B IS USED (FROM THE REAR VIEW); THE DT122-B IS PLACED TO THE RIGHT OF THE 6683-D (NEAREST THE VERTICAL BUS BAR), AND THE DK518-B IS PLACED IN THE A2 DESIGNATION WHEN COMBINED WITH ANY OTHER CHASSIS. (5 ROW CHASSIS)
10. FOR CHASSIS 6681-F, 7 COMMON JUMPERS, 6 +6V JUMPERS, AND 3 -6V JUMPERS ARE REQUIRED.
11. FOR CHASSIS 6683-D, 6 COMMON JUMPERS, 5 +6V JUMPERS, AND 2 -6V JUMPERS ARE REQUIRED.
12. FOR CHASSIS DT122-B, 6 COMMON JUMPERS, 5 +6V JUMPERS, AND 3 -6V JUMPERS ARE REQUIRED.
13. FOR CHASSIS DK518-B, 6 COMMON JUMPERS, 5 +6V JUMPERS, AND 4 -6V JUMPERS ARE REQUIRED.
14. EXCLUDE THIS JUMPER IF 4 CHASSIS ARE BEING INSTALLED.

60440900 B

| | | | | | | | | |
|-----------------|-----|-------|-------|--------------------------------|---------------|-------------|--------------|-----------------------|
| 227259L | A | CLA | A | INSTALLATION KIT B CAB CHASSIS | CA | 6631-F | 06/17/75 | |
| ASSEMBLY NUMBER | REV | CLASS | DW SZ | ASSEMBLY DESCRIPTION | DESIGN SOURCE | FIRST USAGE | RELEASE DATE | CLASSIFICATION NUMBER |

MF

| | |
|-----------------|-------------|
| 06/17/75 | 1/1 |
| PROCESSING DATE | PAGE NUMBER |

CONTROL DATA CORPORATION

ARDEN HILLS

ASSEMBLY PARTS LIST

SPARE CODE
S = SPARE PARTS
N = NON SPARE PARTS

| FIND NUMBER | DW SZ | PART NUMBER | QUANTITY | UNIT MEAS. | PART DESCRIPTION | IN/OUT STATUS | CHANGE ORD. NUMBER | DATE EFFECTIVE | CLASSIFICATION NUMBER | OP NUMBER | MAKE/BUY PART TYPE | PN NC | S OR N |
|-------------|-------|-------------|----------|------------|---------------------------------|---------------|--------------------|----------------|-----------------------|-----------|--------------------|-------|--------|
| 1 | A | 22832101 | 000 | PC | CABLE ASSY-JUMPER, CHAS PWR RED | IN | | | | | | | N |
| 2 | A | 22832101 | 400 | PC | CABLE ASSY-JUMPER, CHAS PWR BLU | IN | | | | | | | N |
| 3 | A | 22832102 | 700 | PC | CABLE ASSY-JUMPER, CHAS PWR BLK | IN | | | | | | | N |
| 4 | A | 22832200 | 100 | PC | TERMINATOR CABLE ASSEMBLY | IN | | | | | | | N |
| 5 | A | 53370600 | 233 | PC | CABLE ASSY - JUMPER GROUNDING | IN | | | | | | | N |

NUMBER OF LINE ITEMS = 5
HIGHEST FIND NUMBER = 5

PROJECT ENGINEER
W J HANSON

14 AA 2709 REV 4-75

3-13

SECTION 4

THEORY OF OPERATION

THEORY OF OPERATION

INTRODUCTION

Satellite couplers perform four operations:

- Output
- Input
- Status
- Master Clear

When a coupler initiates an output operation, the other coupler must perform an input operation and vice versa. Software synchronizes the two couplers.

The 6683-D checks parity on function words and data words. A parity error on a function word inhibits the coupler from transmitting an inactive signal to the peripheral processor subsystem, and the function does not execute. When data has bad parity, the transfer completes, and the parity bit received transfers unchanged with the data. For data errors, status bits indicating where the error occurred are set. During a status operation, the 6683-D generates an odd parity bit and transmits it with the status information. If the other coupler does not send a parity bit, the 6683-D operation is unchanged except on an input operation. The 6683-D generates parity on input data, and sends a parity bit to the PPS with data if SW2 is in the open position.

The subsections below provide an outline of the logic operation as each function executes. The term local coupler indicates the coupler initiating an operation. The other coupler is the remote coupler. Refer to the mode of operation diagram, Figure 4-1, while reading the subsections below.

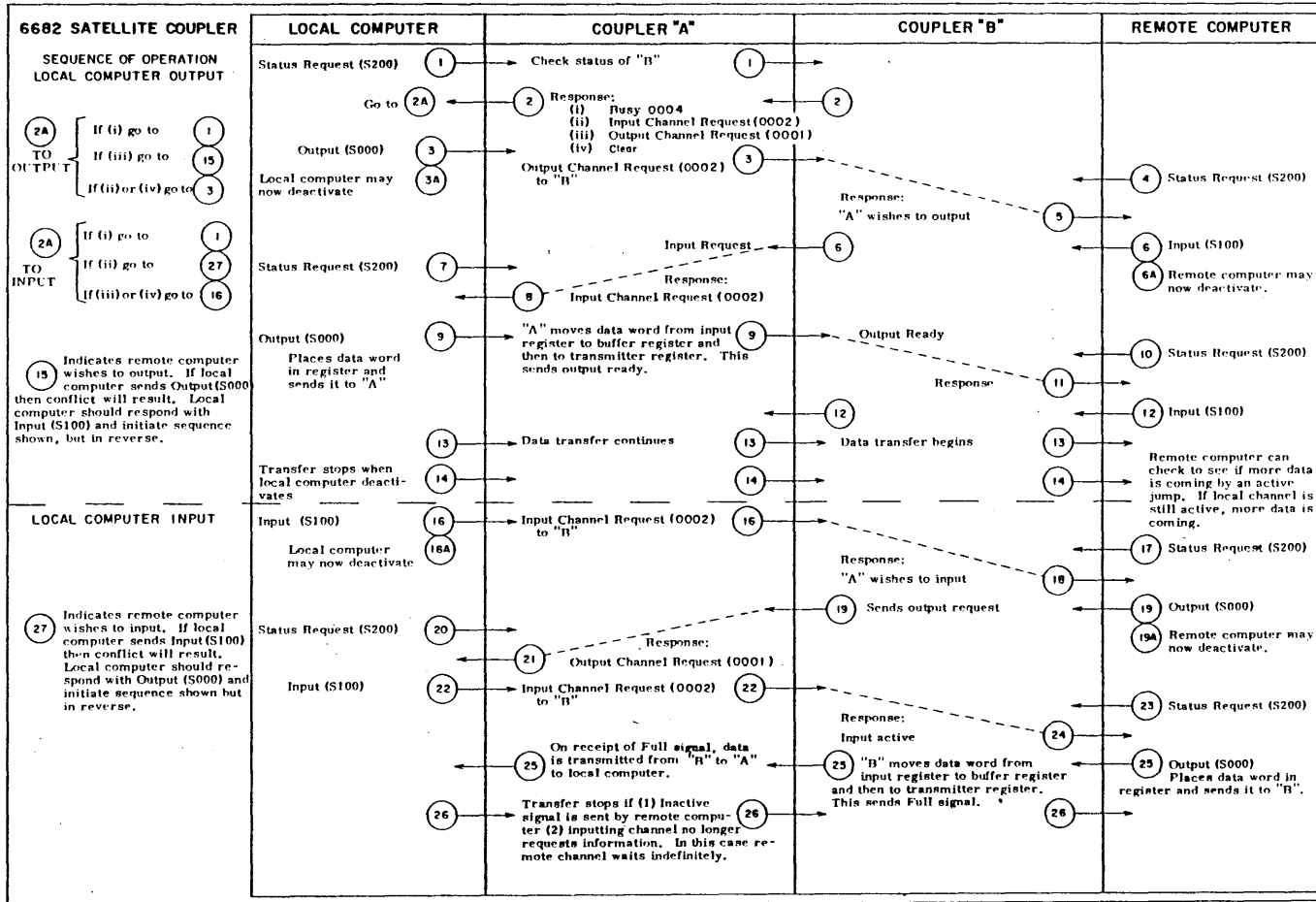


Figure 4-1. Mode of Operation

OUTPUT FUNCTION (S000)

Refer to the part 1 logic diagram during the following discussion unless otherwise noted.

1. The local coupler receives, in parallel, a function signal and a 12-bit function word plus 1 parity bit from the local peripheral processor subsystem (PPS).
Logic module A08 (part 1 diagram, lower left) decodes the equipment select code. Output A08-12 causes an inactive signal to transmit to the local PPS if the function word parity is correct.
Module D08 (part 10, lower left) decodes the function to be executed. D08-15 drives B08-27 (part 1, lower left). Output B08-28 and clock t_{25} cause output channel request FF1 in module A06 (right center) to set. A06-8 and clock t_{75} cause output channel request FF2 in module C04 (lower right) to set. Setting output channel request FF2 causes module A12 to transmit an output active signal to the remote coupler. This causes bit 2^0 (output channel request) to be set in the remote coupler status register. The output active signal stays up for the duration of the output operation.
2. The local coupler receives an active signal from the local PPS. The active signal sets the active flip-flop in module B08. B08-7 causes the busy flip-flop in module A09 (right center) to set. A09-25 sets bit 2^2 (busy) in the status register (E03, part 8). A09-27 enables the data transmitter (part 2, upper right).
3. The local coupler receives two data words accompanied by full signals and parity bits from the local PPS.
The full signals and clock t_{75} cause the two data words to load into the input and buffer registers (part 2).
4. Module A11 (part 1, upper right) receives an input active signal from the remote coupler. A11-6 causes bit 2^1 (input channel request) to set in the local coupler status register (part 8).
5. The remote coupler receives an active signal from the PPS enabling the input request signal.
6. The local coupler sends a data word accompanied by an output ready signal and parity bit to the remote coupler. The local coupler receives an input request signal from the remote coupler. This enables a timing chain composed of full FF1 through full FF4 and xmtr register full FF1 and FF2 (part 2). Full signals from the PPS and clock t_{75} cause the timing chain to generate sequential signals which load the buffer and transmitter registers.

Xmtr register full FF2 causes an output ready signal to accompany each data word sent to the remote coupler. The local coupler receives an input request signal for each data word received by the remote coupler. The load buffer register signal causes an empty signal to transmit to the local PPS (part 1, upper left) for each data word received from the PPS. This sequence continues until the data transfer completes. Figure 4-2 shows the timing chain signal relationships.

7. The local PPS deactivates the I/O channel causing the active flip-flop to clear which in turn causes the output active signal to drop. This causes the output active FF3 (part 1, left upper center) in the remote coupler to set. The remote I/O channel then deactivates, and B05-27 (left center) generates a pulse which clears the active flip-flop in the remote coupler.

OUTPUT PARITY

If the function word has bad parity, output C02-21 (part 5, upper right) and clock t_{20} cause A03-28 (part 7) to set. Output A03-25 inhibits the gate in module C01 (part 1, upper left center). This prevents an inactive from transmitting to the local PPS. A03-28 drives D02-15 (part 10). D02-19 (part 10) clears full FF1 (part 2) and the function register (B08, part 1). D02-17 clears output channel request FF1 (part 1, A06, right center). Consequently, the function does not execute.

If a data word has bad parity, the signal at C02-21 (part 5), full, and t_{20} cause A03-26 (part 7) to set. This, in turn, causes A03-7 to set. A03-10 (part 7) then causes the local PE status bit (part 8) to set. A03-10 also causes a parity error signal to transmit to the remote coupler. A03-7 disables the gate at A07, thereby preventing the transmitted parity error signal from entering the local coupler status register as a remote parity status bit.

Module A05 (part 5) sends the parity bit accompanying the output data word to the remote coupler.

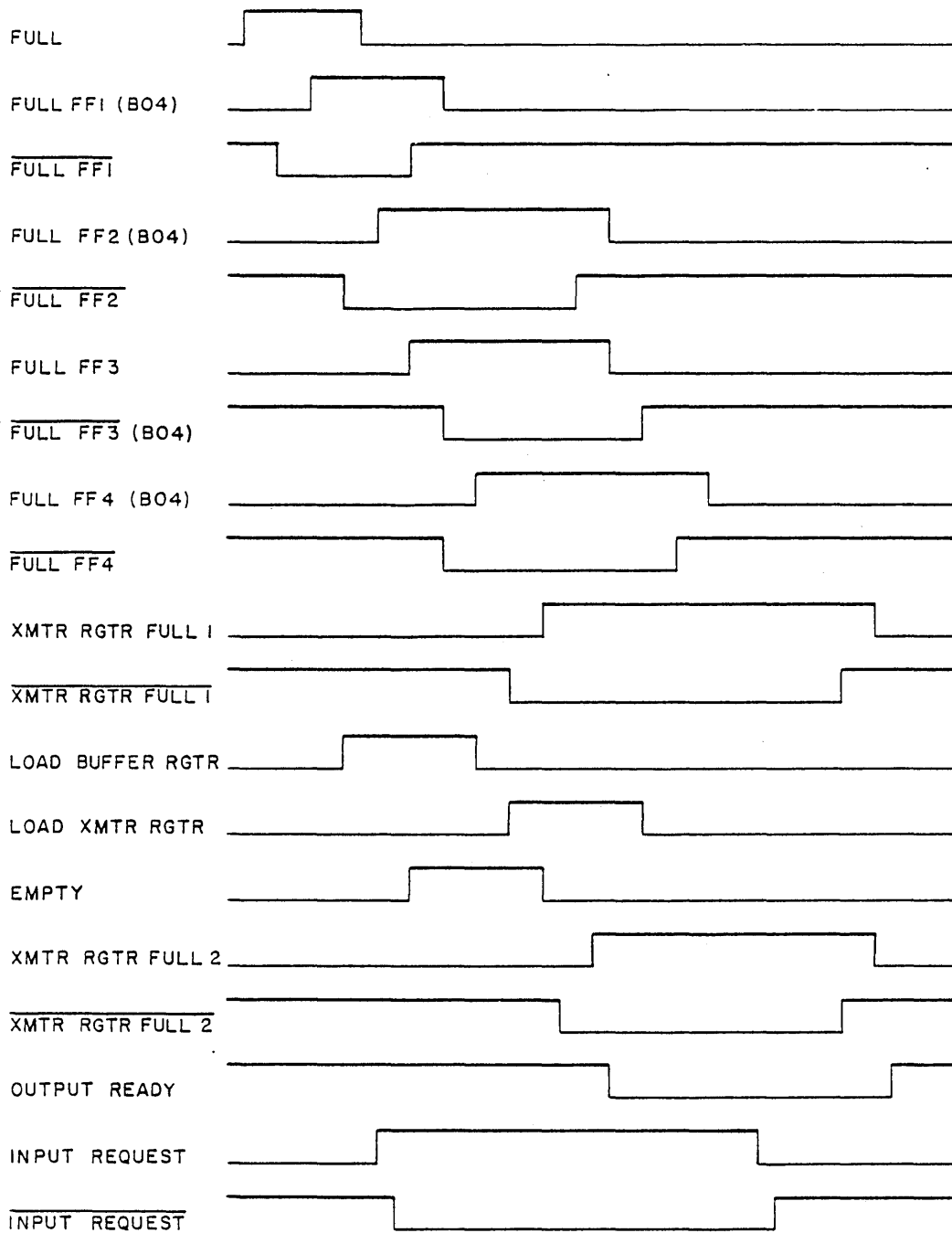


Figure 4-2. Output Timing Chain Signal Relationship (not to scale)

INPUT FUNCTION (S100)

Refer to the part 1 logic diagram during the following discussion unless otherwise noted.

1. The local coupler receives, in parallel, a function signal and a 12-bit function word plus 1 parity bit from the local peripheral processor subsystem (PPS).

Logic module A08 (part 1, lower left) decodes the equipment select code. Output A08-12 causes an inactive signal to transmit to the local PPS if the function word parity is correct.

Module D08 (part 10, lower left) decodes the function to be executed. D08-13 drives B08-23 (part 1, lower left). Output B08-26 and clock t_{25} cause the input request flip-flop on module A06 (right center) to set. This causes module A12 to send an input active signal to the remote coupler. The input active signal stays up for the duration of the input operation.

Module A11 (upper right) in the remote coupler receives the input active signal. A11-6 causes bit 2^1 (input channel request) in the remote coupler status register to set.

2. Module A11 (part 1, upper right) receives an output active signal from the remote coupler. This causes bit 2^0 (output channel request) to set in the local coupler status register (part 8).
3. The local coupler receives an active signal from the local PPS. The active signal sets the active flip-flop in module B08. The active flip-flop partially enables the input request drive signal in module A08 (part 3).
4. The local coupler receives 12-bit data words from the remote coupler. An output ready signal accompanies each data word. The output ready signal drives a timing chain composed of output ready FF1 through output ready FF6 (part 3).

The timing chain generates signals which cause the data words to pass through the output register (E05 and E06, part 4), the data fan in register (E07 and E08, part 4), and the output transmitter (D09 and D10, part 4). The output transmitter sends the data to the local PPS.

Output ready FF5 causes module E09 (part 1, upper left) to send a full pulse to the PPS with each data word.

The timing chain circuit also causes an input request signal to transmit to the remote coupler for each data word received. Figure 4-3 shows the timing chain signal relationships.

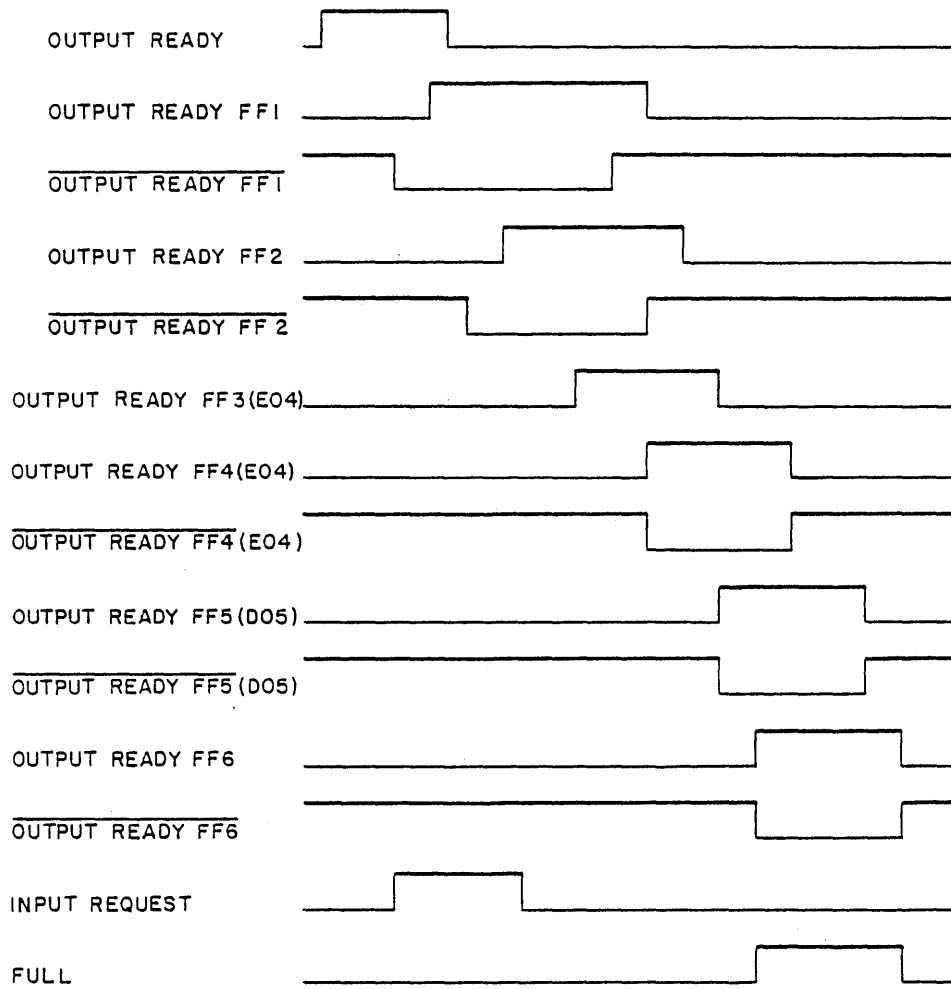


Figure 4-3. Input Timing Chain Signal Relationship (not to scale)

5. When the remote coupler completes the output operation, it causes the output active signal (A11, part 1 upper right) to drop. This causes the local coupler to transmit an inactive and the active flip-flop (B08, lower left) to clear.

INPUT PARITY

If the function word has bad parity, output C02-21 (part 5, upper right) and clock t_{20} cause A03-28 (part 7) to set. A03-25 inhibits the gate in module C01 (part 1, upper left center). This prevents an inactive from transmitting to the local PPS. A03-28 drives D02-15 (part 10). D02-17 (part 10) clears the input chan request flip-flop in module A06 (part 1, right center), and the function register (B08, part 1). Consequently, the function does not execute.

The remote coupler may or may not be capable of transmitting a parity bit with data. If the remote coupler does not transmit a parity bit, the switches on module D01 (part 7) should be set as follows:

- SW1 - closed (down)
- SW2 - open (up)
- SW3 - open (up)

This enables the coupler to transmit an internally generated parity bit to the PPS. The parity network (part 6, modules B01 and B02) generates a parity bit for each incoming data word. This parity bit drives input A02-22 (part 7, upper right). Output A02-19 causes the flip-flop on module D02 (part 6, upper center) to set. This causes input A02-21 to activate. When the output ready FF5 signal appears on A02-23, a parity bit transmits to the local PPS.

If the remote coupler transmits a parity bit with data, the switches in module D01 (part 7) should be set as follows:

- SW1 - closed (down)
- SW2 - closed (down)
- SW3 - closed (down)

This enables the coupler to transmit parity bits received from the remote coupler to the local PPS. The incoming parity bit causes the flip-flop on module A03 (part 6) to set. Output A03-2 drives input A02-18 (part 7). A02-19 causes the flip-flop on module D02 (part 6) to set. This causes input A02-21 to activate. When the output ready FF5 signal appears on A02-23, a parity bit transmits to the local PPS.

When the flip-flop on module A03 (part 6) sets, output A03-1 drives the parity checking network on module B01. If the incoming data has bad parity, output B01-21 drives A03-22. A03-12 drives A02-2 (part 7, center) if remote parity error status has not been sensed from the outputting coupler. Output A03-7 then sets. A03-10 causes the local PE FF on the status register (E03, part 8) to set. During a read operation, a remote parity error signal will not transmit to the remote coupler.

STATUS FUNCTION (S200)

Refer to the part 1 logic diagram during the following discussion unless otherwise noted.

1. The local coupler receives, in parallel, a function signal and a 12-bit function word plus 1 parity bit from the local PPS.

Logic module A08 (lower left, part 1) decodes the equipment select code. Output A08-12 causes an inactive signal to transmit to the local PPS if the function word parity is correct.

Module D08 (part 10, lower left) decodes the function to be executed. D08-9 drives B08-20 (part 1, lower left). Outputs B06-5, B06-9, and B06-13 partially enable the coupler for a status operation.

2. The local coupler receives an active signal from the local PPS.

Output B06-17 (lower left) enables the gate on A04 which inhibits the inactive gate on module E09 (upper left).

The active signal causes the gate on C01 (left, part 8) to enable. A07-12 (part 8) causes E09-16 (upper center, part 1) to set the flip-flop on module D04. D04-18 drives module B04. B04-4 causes the status word to gate into the fan-in register (E08, part 4).

D04-20 drives module C01. C01-11 enables the gate on module A08. A08-20 then enables the full gate on module E09 (upper left, part 1).

3. Clock t_{75} causes the status word and full signal to transmit to the local PPS.

STATUS PARITY

If the function word has bad parity, output C02-21 (part 5, upper right) and clock t_{20} cause A03-28 (part 7) to set. A03-25 inhibits the gate in module C01 (part 1, upper left center). This prevents an inactive from transmitting to the local PPS. Consequently, the function does not execute.

Module E02 (part 8) monitors the status word and generates an odd parity bit. E02-15 drives A02-27 (part 6). A08-22 (part 1) enables the gate on module A02 (part 6) which drives transmitter module D03. Clock t_{75} causes the parity bit to transmit to the local PPS with the status word.

MASTER CLEAR (S700)

Refer to the part 1 logic diagram during the following discussion unless otherwise noted.

1. The local coupler receives, in parallel, a function signal and a 12-bit function word plus 1 parity bit from the local PPS.

Logic module A08 (part 1 logic diagram, lower left) decodes the equipment select code. Output A08-12 causes an inactive signal to transmit to the local PPS if the function word parity is correct.

Module D08 (part 10, lower left) determines which function executes. When bits 2^6 , 2^7 , and 2^8 are 111_2 , D08-16 sets the master clear (MC) flip-flop on module A06.

Module A05 transmits an MC signal which clears the remote coupler. A05-9 drives module D05 which is the MC fan-out for the local coupler. A05-10 causes the master clear flip-flop on module A06 to clear.

MASTER CLEAR PARITY

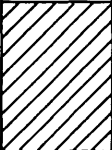
If the function word has bad parity, output C02-21 (part 5, upper right) and clock t_{20} cause A03-28 (part 7) to set. A03-25 inhibits the gate in module C01 (part 1, upper left center). This prevents an inactive from transmitting to the local PPS. Consequently, the function does not execute.

SECTION 5

DIAGRAMS

DIAGRAMS

This section contains a chassis map, a key to logic symbols, a block diagram, and logic diagrams.

| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
|---|---|-------------------------|-------------------|--------------------------|------------------------|--------------------|-------------------------------|---------------------|----------------------|---------------------|---------------------|-----------------------|
| A | ZA PART 8,10 | QH PART 5,6,7,8 | ZD PART 6,7 | TR PART 1,6,7,8,10 | ZS PART 5,6,7,10 | AE PART 1,10 | TL PART 1,2,6,7,8, 9 | TB PART 1,2,3 | AA PART 1,3 | AA PART 1,2 | ZR PART 1,2,3 | ZT PART 1,2,3 |
| | AB PART 6 | AB PART 6 | V66 PART 10 | TH PART 1,2 | AE PART 1,2,10 | TH PART 1 | TD PART 2,6 | ZD PART 1,2 | ZS PART 2,4,6 | ZS PART 2,4,6 | ZS PART 2,4,6 | ZS PART 2,4,5,6 |
| C | TD PART 1,4,7,8 | AB PART 5 | AB PART 5 | AE PART 1,2,3 | PB PART 2 | PB PART 2 | PB PART 2 | PB PART 2 | QI PART 2,5,10 | QI PART 2 | QI PART 2,5 | QI PART 2,5 |
| | RX PART 1,7 | J59 PART 5,6,7,10 | QJ PART 6 | AE PART 1,2,3 | TH PART 1,3,5,10 | TC PART 9 | TC PART 9 | IV PART 10 | QJ PART 4 | QJ PART 4 | QJ PART 1 | QI PART 2,5 |
| E |  | AB PART 1,7,8 | PJ PART 8 | TH PART 1,3,10 | PJ PART 4 | PJ PART 4 | TE PART 4 | TE PART 4 | QH PART 1,3 | HQ PART 9 | TD PART 9 | HQ PART 9 |

6683-D CHASSIS MAP (FRONT VIEW)

Each location indicates the module type and diagrams on which the module appears.

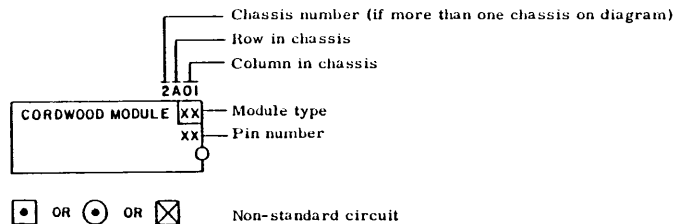
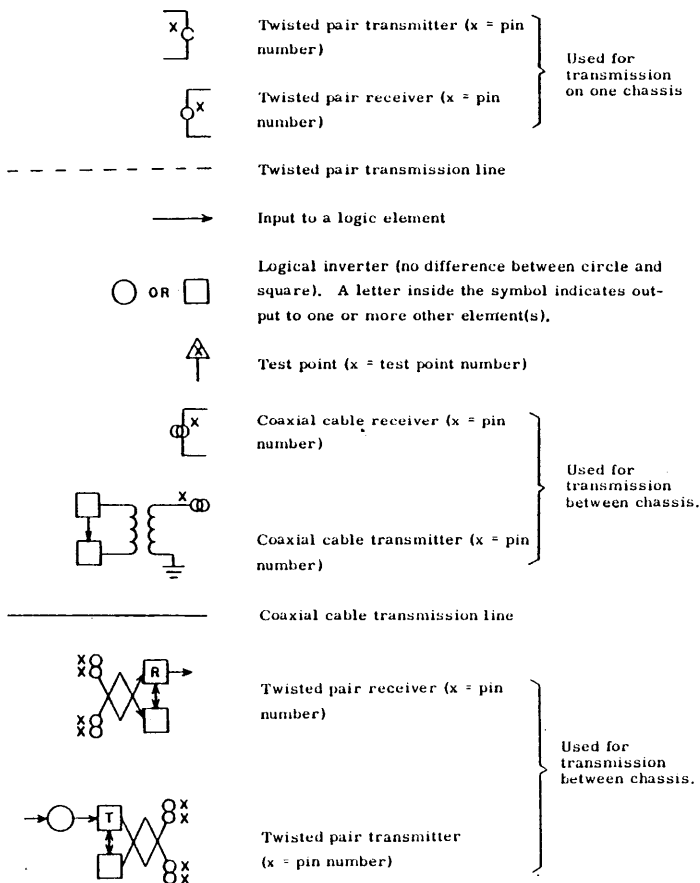
Example: Location B04 contains a TH module which appears on part 1 and 2 diagrams.

CORDWOOD MODULE LOGIC SYMBOLS

INTRODUCTION

Logic diagrams for devices using cordwood modules employ several symbols to represent logically the electrical circuits in the equipment. For detailed information concerning these symbols, see the Cordwood Modules Printed Circuit Manual, Pub. No. 60042700.

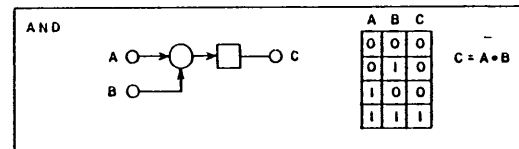
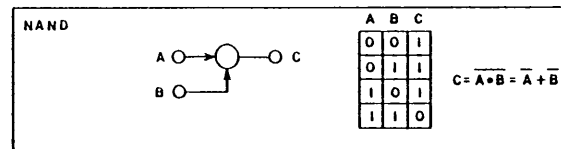
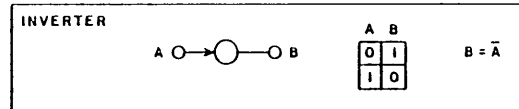
LOGIC SYMBOLS



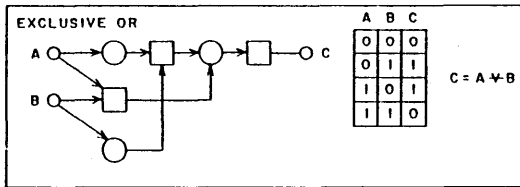
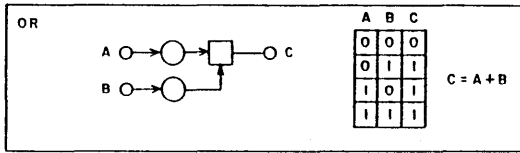
LOGIC FUNCTIONS

There are no specific symbols for standard logic functions (AND, OR, etc). Instead, logical inverters are combined to represent these functions. Some common combinations are shown here (with test points, pin numbers, and cordwood module symbols omitted). Gates may have more inputs or outputs than the examples.

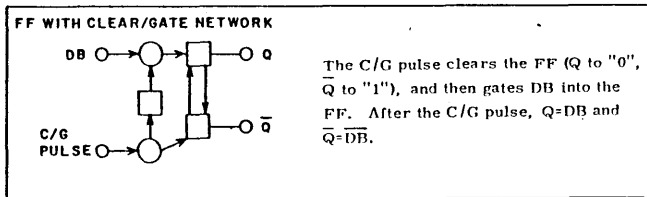
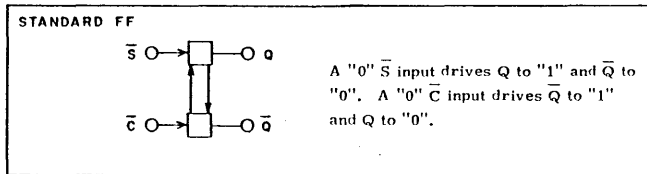
GATES



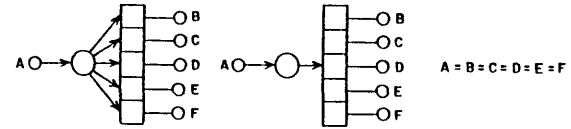
GATES (Cont'd)



FLIP-FLOPS



FANOUTS

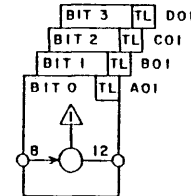


LOGIC LEVELS

"0" = +1.2 v
 "1" = +0.2 v
 A grounded input acts as a "1".

MODULE STACKING

When several circuit paths are logically identical, the modules which make up the circuits may be stacked to save space.



ABBREVIATIONS

- CZ Constant "0" (+1.2 v)
- NU Not Used
- $\bar{X}\bar{X}$ The bar over a term indicates that the signal is active at the "0" level.

PART 1 DIAGRAM

The part 1 diagram shows control logic for initiating and stopping operations.

Module A08 (lower left) decodes the equipment select code which is determined at installation.† If the function word parity is correct, A08-12 causes an inactive to transmit to the PPS. Module A08 also partially enables modules B08 (lower left), A06 (right center), and the function parity flip-flop in module A03 (part 7).

Module D08 (part 10) determines which function will execute, and drives the function select flip-flops on module B08 (lower left). Module B08 also contains the active flip-flop. Module B08 fans out the function select and active signals.

Modules A06, A07, and C04 (right lower center) cause module A12 to transmit an input active or output active signal to the remote coupler. These signals stay up for the duration of the operation. The I/O channel must be active before these signals will transmit.

Module A09 (right center) enables the data transmitter (part 2), and sets the output busy status bit (part 8).

Module A11 receives an output active or input active signal from the remote coupler. The input active signal sets the input active status bit (part 8). When the input active signal drops, it clears the output busy flip-flop on module A09. The output active signal sets the output active status bit (part 8), and enables output active FF1 and output active FF2 to set. When the output active signal drops, an inactive signal transmits to the local PPS, and the active flip-flop in module B08 (lower left) clears.

† A select code other than zero requires a QSE.

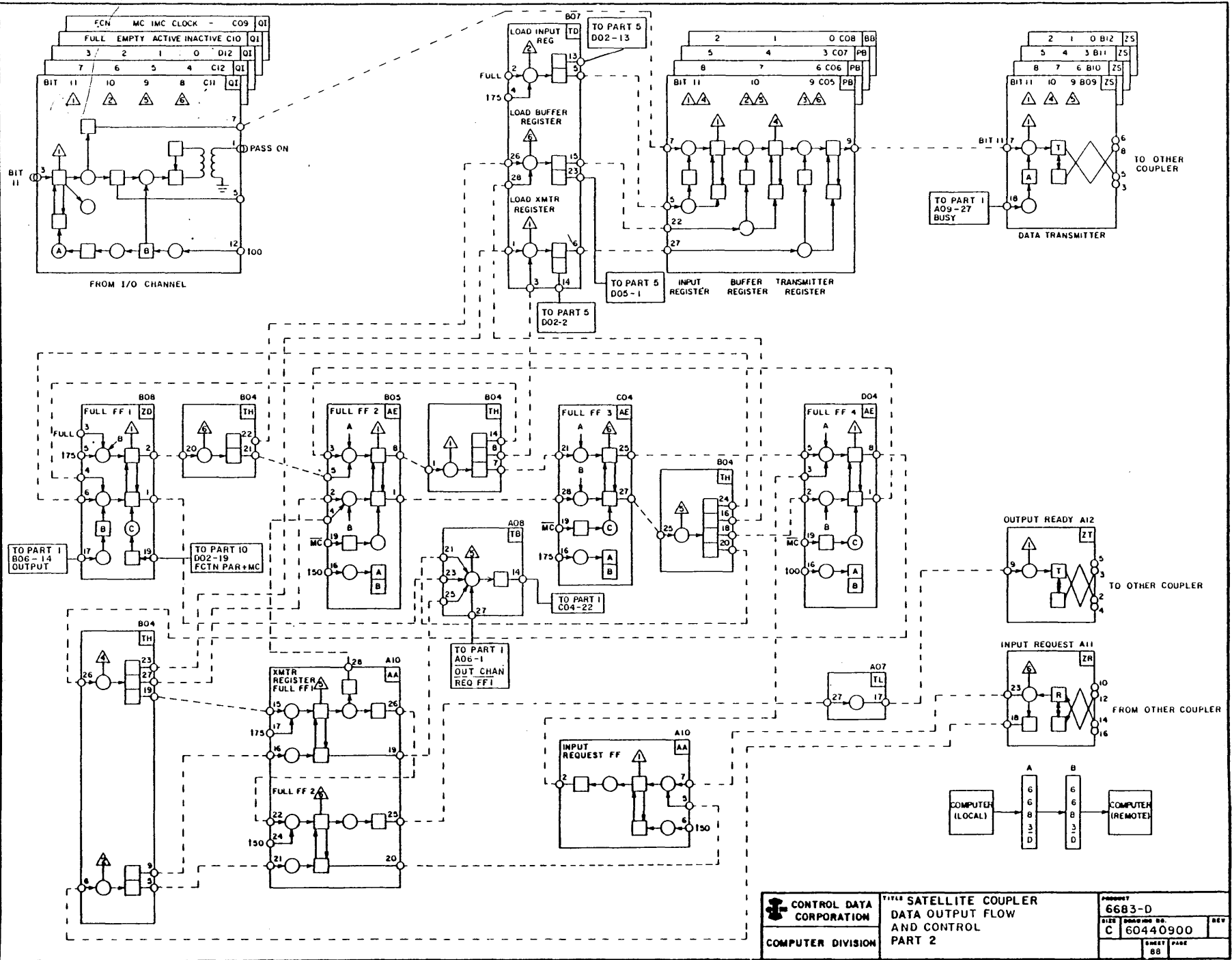
PART 2 DIAGRAM

The part 2 diagram shows logic which controls data flow during an output operation.

Full FF1 through full FF4 and xmtr register full FF1 and FF2 compose a timing chain. The timing chain generates sequential signals which load the buffer and transmitter registers. The timing chain also causes an output ready signal to accompany each data word to the remote coupler. Full signals from the I/O channel and clock t_{75} load the input register and drive the timing chain. Figure 4-2 shows the output timing chain signals.

The remote coupler sends an input request signal for each data word it receives. This signal causes the full FF4 input gate to enable. When it drops, the input request signal causes the output ready signal to appear.

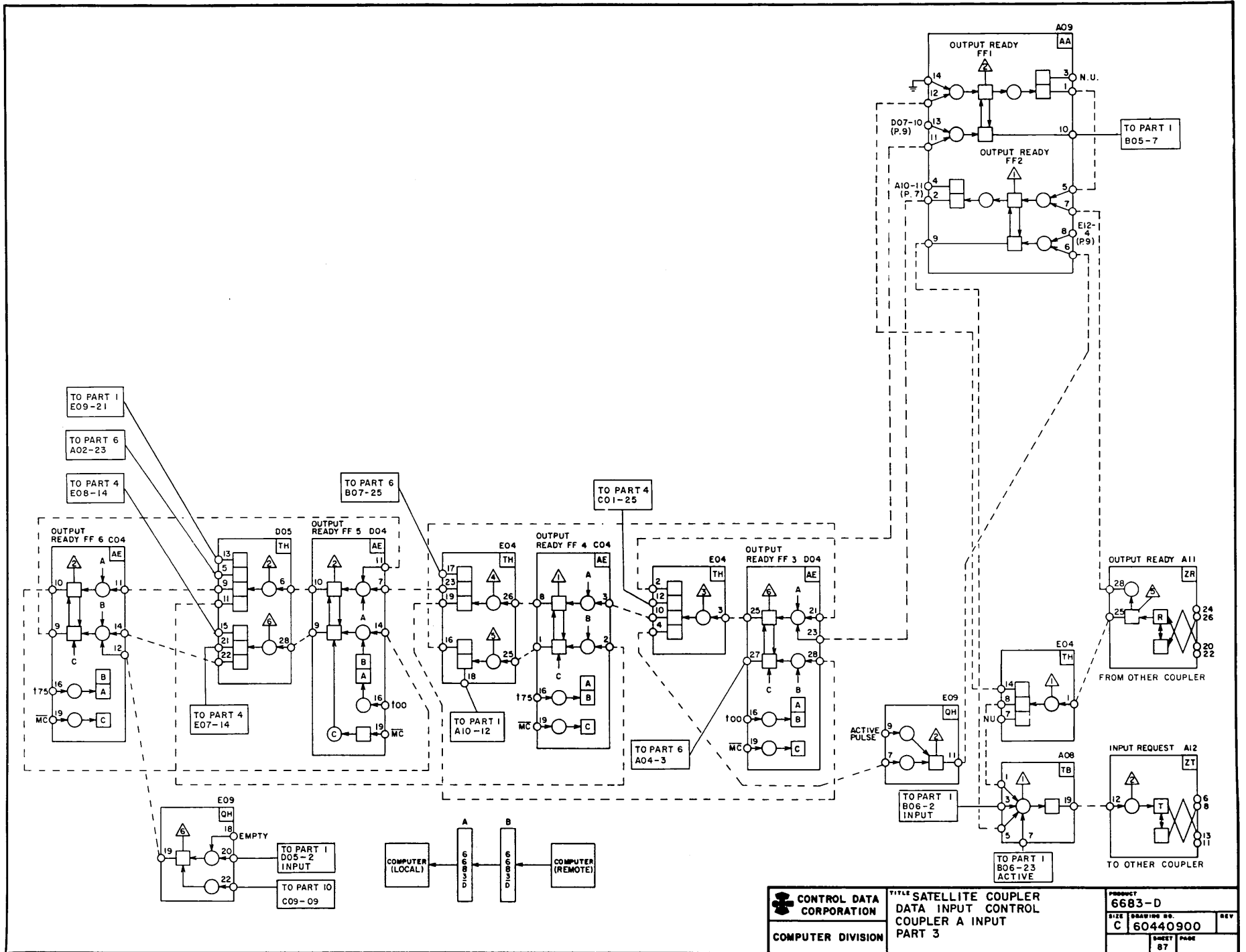
A08-14 (left center) inhibits clearing of the output channel request FF2 on module C04 (part 1, lower right) until data transfer has stopped.



PART 3 DIAGRAM

The part 3 diagram shows logic which controls the data flow during an input operation.

Output ready FF1 through FF6 composes a timing chain which controls data flow (part 4) during an input operation. Module A11 receives output ready signals accompanying the incoming data words from the remote coupler. These signals drive the timing chain. The timing chain also causes an input request signal to transmit to the remote coupler for each data word received. Figure 4-3 shows the input timing chain signals.



| | | |
|--|---|--------------------------|
| CONTROL DATA CORPORATION COMPUTER DIVISION | TITLE SATELLITE COUPLER DATA INPUT CONTROL COUPLER A INPUT PART 3 | PRODUCT 6683-D |
| | SIZE DRAWING NO. C 60440900 | REV |
| | SHEET PAGE BT | |

PART 4 DIAGRAM

The part 4 diagram shows the data flow during an input operation.

The out ready FF3 and out ready FF5 signals sequentially load data words into the output and data fan in registers.

The out active FF3 signal causes status information to load into module E08.

60440900 E

D

C

B

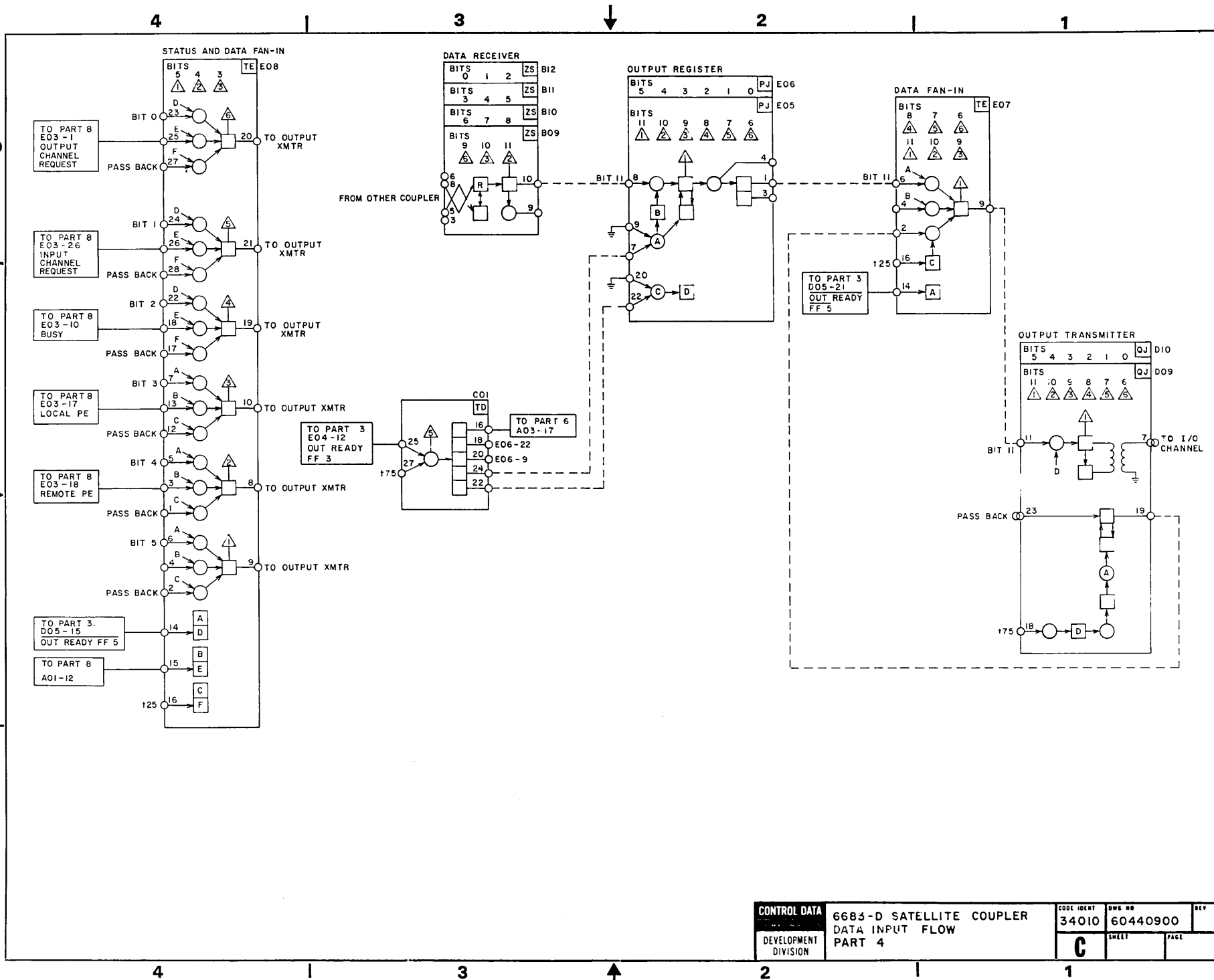
A

D

C

B

A



5-13

| | | | | |
|--------------------------------------|---|---------------------|--------------------|------|
| CONTROL DATA DEVELOPMENT DIVISION | 6683-D SATELLITE COUPLER DATA INPUT FLOW PART 4 | CODE IDENT 34010 | DWG NO 60440900 | REV |
| | | C | SHEET | PAGE |

PART 5 DIAGRAM

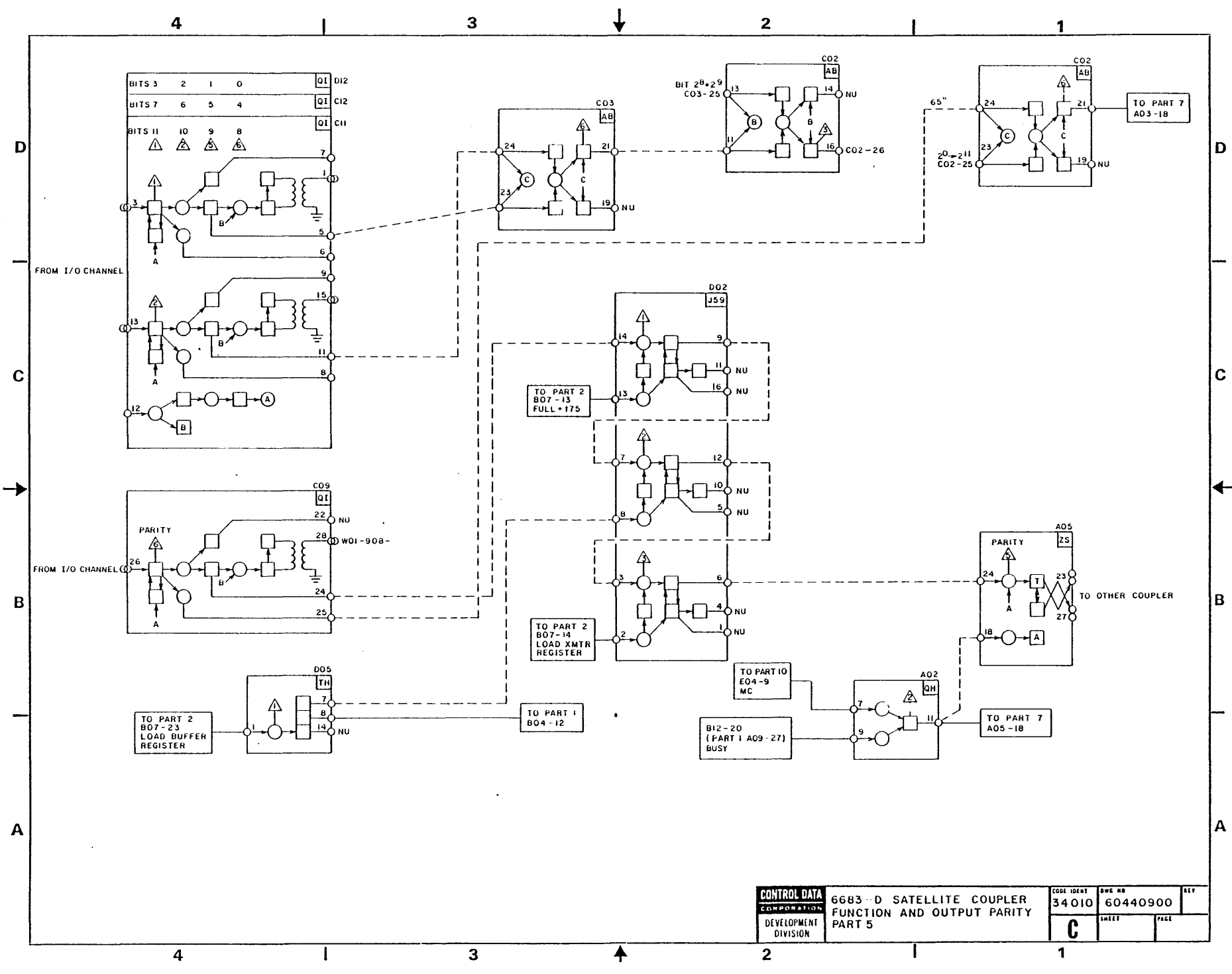
The part 5 diagram shows logic which checks parity on the function word for all operations, and on the data words during an output operation,

Module C09 receives the parity bit from the local PPS. Modules C02 and C03 check the parity of words received from the local PPS. C02-21 drives the parity control logic on the part 7 diagram.

Module D02 synchronizes the parity bit with the data word as it moves through the input, buffer, and transmitter registers. Module A05 transmits the parity bit to the remote coupler.

60440900 A

5-15



| | | | | | |
|-----------------------------|--|--|---------------------|--------------------|------|
| CONTROL DATA CORPORATION | 6683-D SATELLITE COUPLER FUNCTION AND OUTPUT PARITY PART 5 | | CODE IDENT 34010 | DWG NO 60440900 | REV |
| | DEVELOPMENT DIVISION | | C | SHEET | PAGE |

PART 6 DIAGRAM

The part 6 diagram shows logic which checks parity during an input operation.

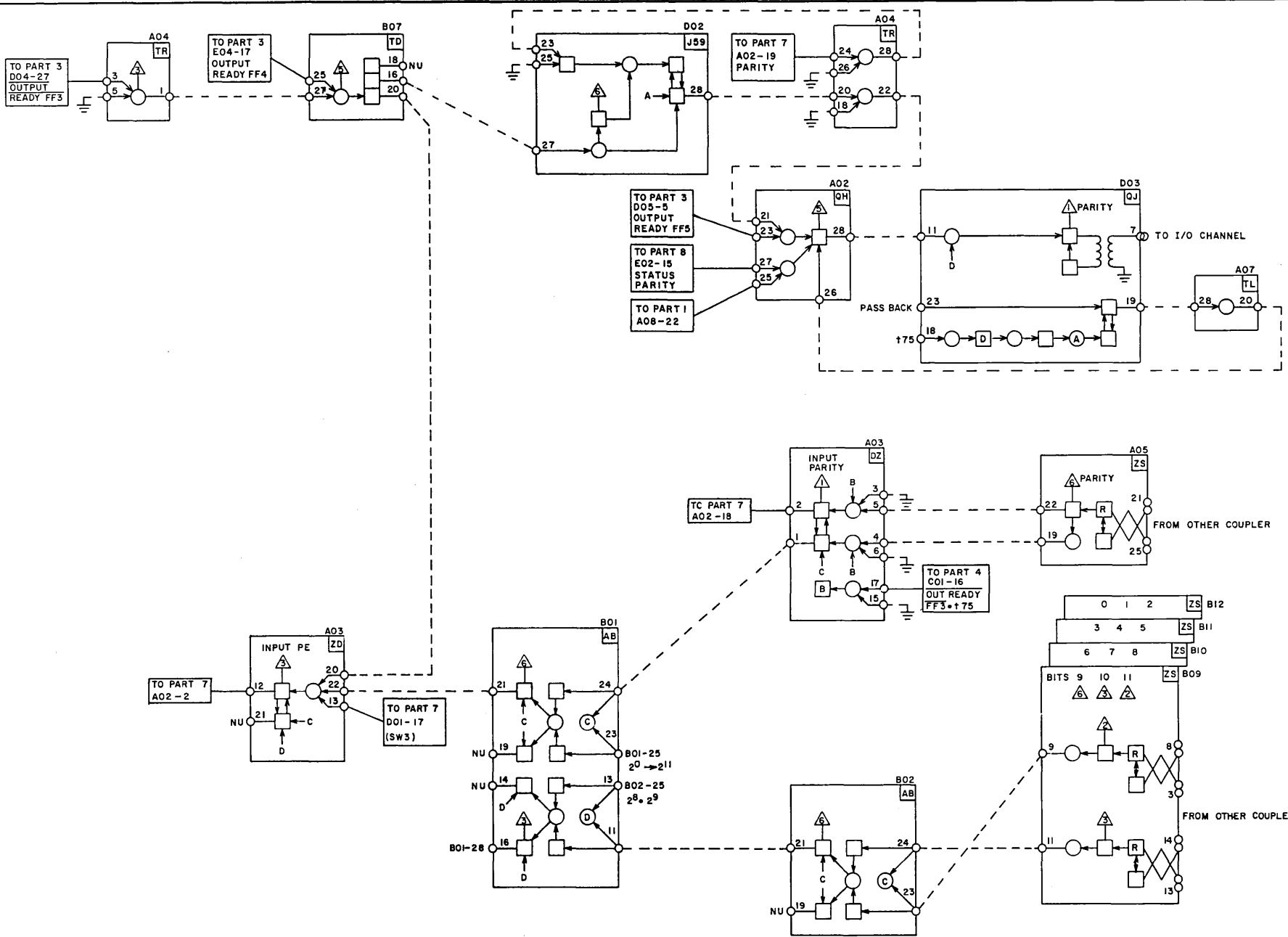
Module A05 receives the parity bit from the remote coupler. Modules B01 and B02 check the parity of data words received from the remote coupler.

The input parity flip-flop in module A03 (left center) drives module A02 (part 7, upper right). A02-19 (part 7) drives A04-24. A04-28 and B07-16 cause the flip-flop in module D02 to set before the data word loads into the fan-in register (part 4).

Output ready FF5 causes module D03 to send a parity bit to the local PPS in parallel with the data word.

If the remote coupler does not transmit a parity bit, B07-27 (not shown in the part 6 diagram) drives module A02 (part 7, upper right). A02-19 (part 7) then causes the internally generated parity bit to transmit to the local PPS as described above.

A03-12 causes the parity control logic (part 7) to send a parity error signal to the remote coupler. The local parity error status bit (part 8) also sets.



| | | |
|--|---|--------------------------------|
| CONTROL DATA CORPORATION COMPUTER DIVISION | TITLE SATELLITE COUPLER INPUT PARITY PART 6 | PRODUCT 6683-D |
| | | SIZE C |
| | | FORMING NO. 60440900 |
| | | REV C |
| | | SHEET PAGE |

PART 7 DIAGRAM

The part 7 diagram shows the parity control logic.

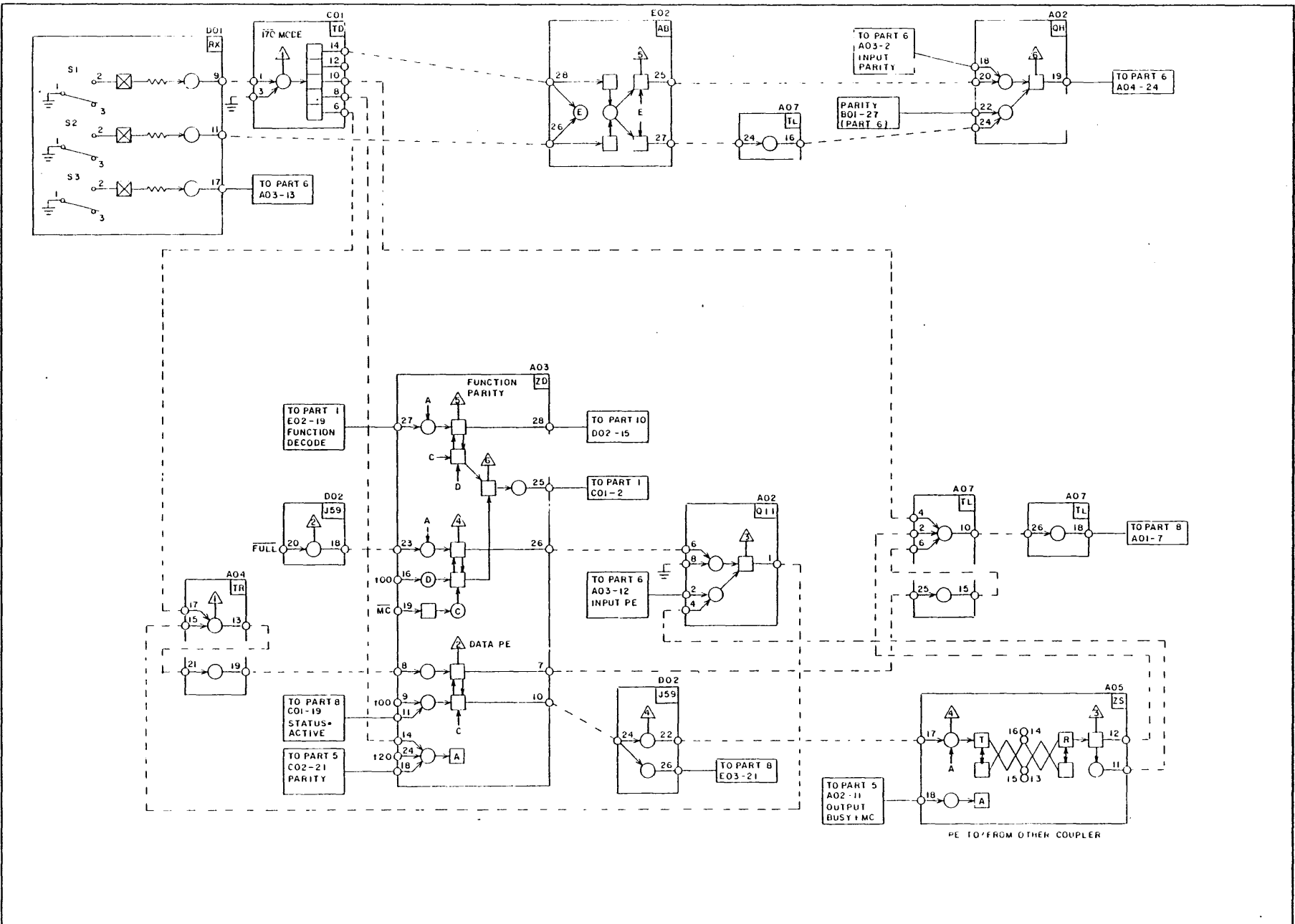
Switches SW1, SW2, and SW3 determine in which parity mode the 6683-D will operate. When SW1, SW2, and SW3 are closed (down), the 6683-D transmits received parity bits unchanged. When SW1 is closed and SW2 and SW3 are open (up), the 6683-D transmits an internally generated parity bit to the local PPS during an input operation. SW3 being open prevents a parity error status bit from being generated during an input operation.

The function parity flip-flop in module A03 sets when a function word has bad parity. A03-25 prevents an inactive from transmitting to the PPS. A03-28 drives D02-15 (part 10). This causes full FF1 (part 2), the channel request flip-flops (part 1, A06, right center), and the function register (B08, part 1) to clear.

The input PE signal drives A02-2 (center) when data has bad parity during an input operation. This causes the data PE flip-flop to set if a remote PE status signal is not available from the other coupler. A03-10 causes the local PE status bit (part 8) to set.

The center flip-flop in module A03 sets when data has bad parity during an output operation. This causes the data PE flip-flop to set. Operation then proceeds as described above. A03-7 prevents a transmitted parity error signal from driving the local coupler status register (part 8).

Module A05 transmits and receives parity error signals. An incoming parity error signal causes the remote PE status bit (part 8) to set.



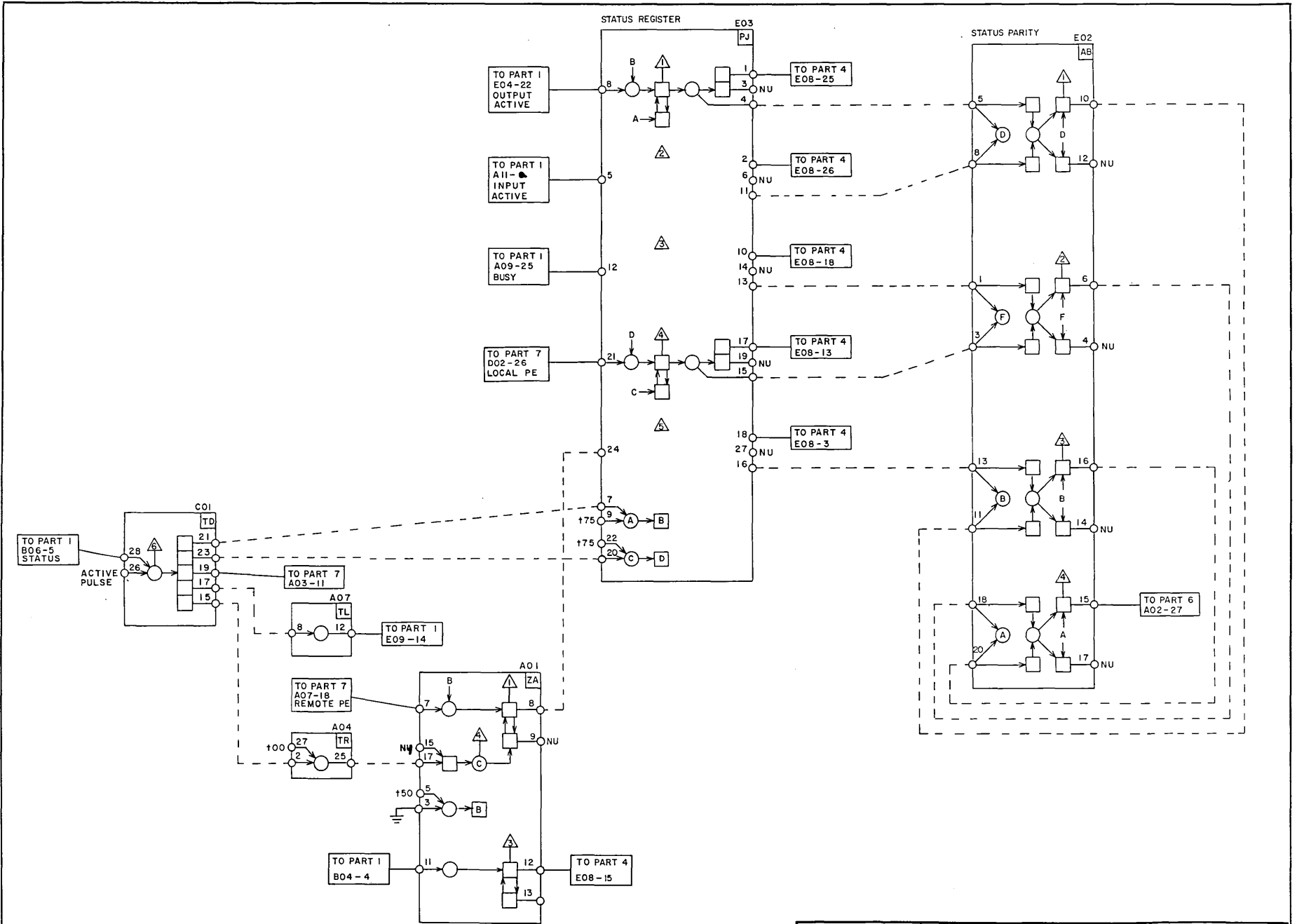
| | | |
|--|--|-------------------|
| CONTROL DATA CORPORATION COMPUTER DIVISION | TITLE SATELLITE COUPLER PARITY CONTROL PART 7 | PRODUCT 6683-D |
| | SIZE DRAWING NO C 60440900 | REV C |
| | DATE | PAGE |

PART 8 DIAGRAM

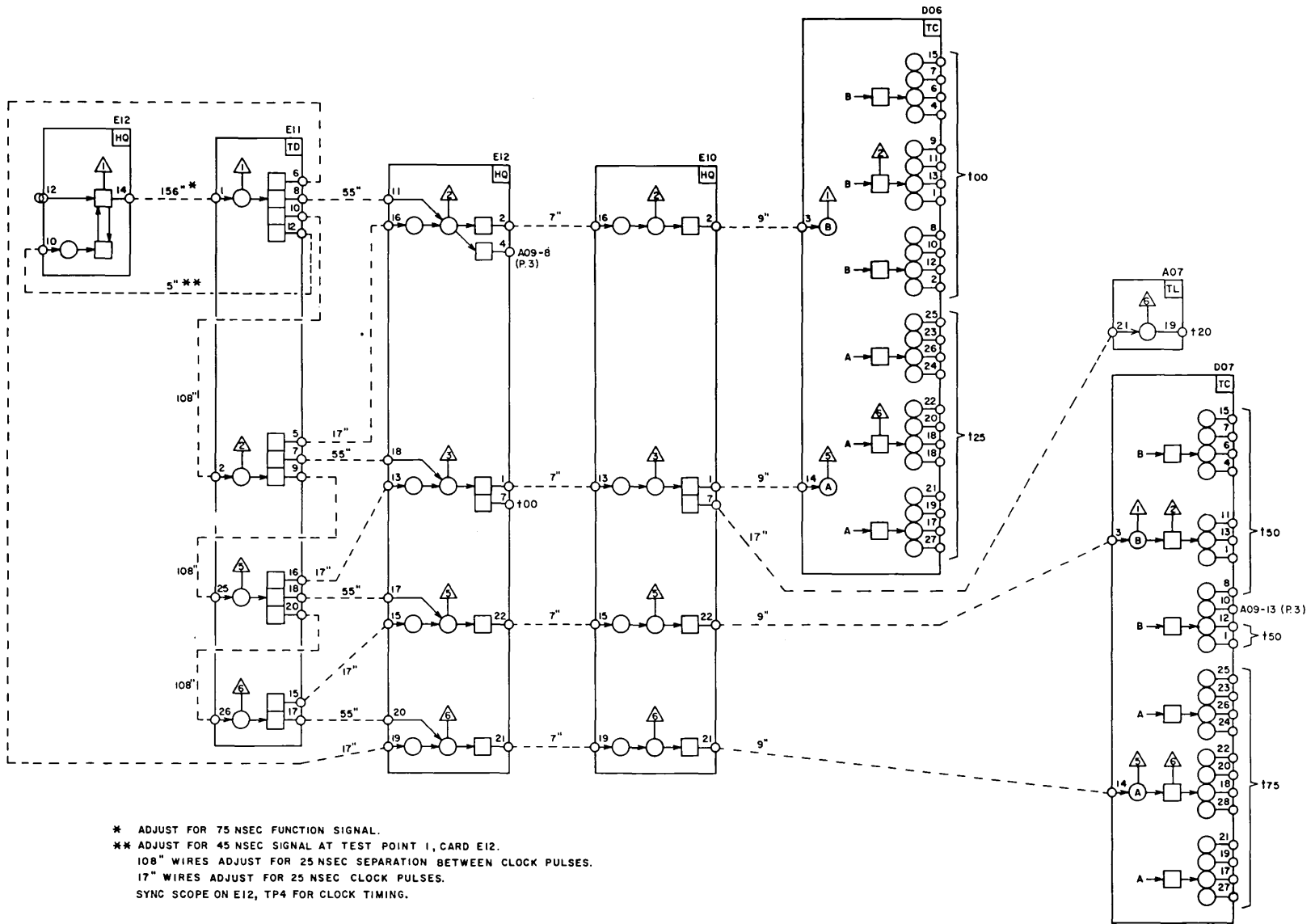
Module E03 is the status register.

C01-21 and C01-23 cause the flip-flops in module E03 to set during a status operation. C01-19 clears the data PE flip-flop (part 7). C01-17 causes module B04 (part 1, left center) to generate output active FF3. This loads the status information into the fan-in register (part 4).

Module E02 generates parity for the status information.



| | | |
|--|---|--------------------------|
| CONTROL DATA CORPORATION COMPUTER DIVISION | TITLE SATELLITE COUPLER STATUS PART 8 | PRODUCT 6683-D |
| | SIZE DRAWING NO. C 60440900 | REV |
| | SHEET PAGE | |



* ADJUST FOR 75 NSEC FUNCTION SIGNAL.
 ** ADJUST FOR 45 NSEC SIGNAL AT TEST POINT 1, CARD E12.
 108" WIRES ADJUST FOR 25 NSEC SEPARATION BETWEEN CLOCK PULSES.
 17" WIRES ADJUST FOR 25 NSEC CLOCK PULSES.
 SYNC SCOPE ON E12, TP4 FOR CLOCK TIMING.

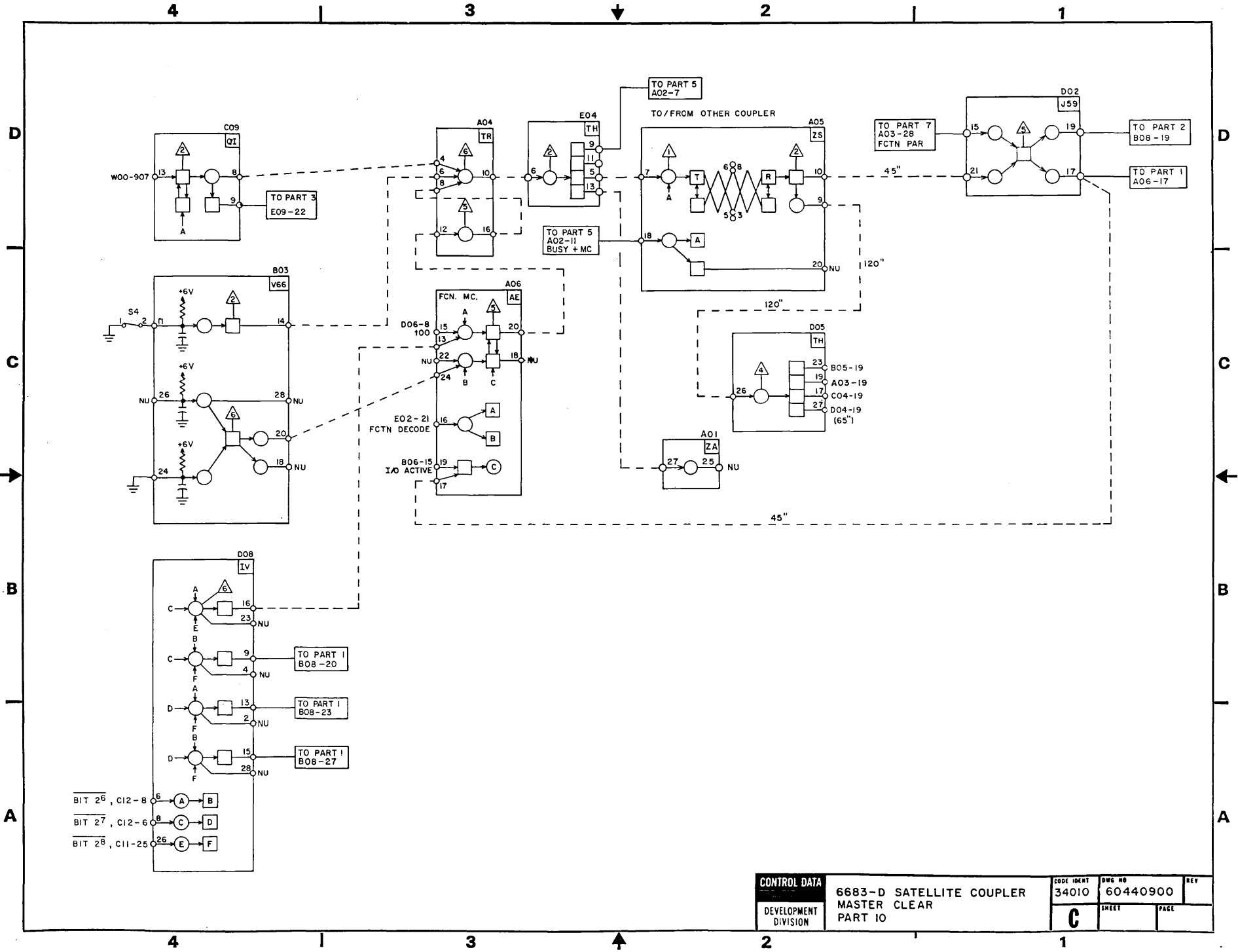
PART 10 DIAGRAM

Module D08 determines which function will execute.

If bits 2^6 , 2^7 , and 2^8 are 111_2 , D08-16 causes the FCN MC flip-flop on module A06 to set. This causes the local coupler to clear. Module A05 also transmits a master clear signal to the remote coupler.

60440900 G

5-25



| | | | | |
|---|---|---------------------|--------------------|------|
| CONTROL DATA DEVELOPMENT DIVISION | 6683-D SATELLITE COUPLER MASTER CLEAR PART 10 | CODE IDENT 34010 | DWG NO 60440900 | REV |
| | | C | SHEET | PAGE |

SECTION 6

MAINTENANCE

(Not Applicable)

SECTION 7

PARTS DATA

DOCUMENTS

The following parts data document is included in this section.

| <u>Title</u> | <u>Document Number</u> |
|---------------------------|------------------------|
| 6683-D Mechanized Listing | 23065400 |

MECHANIZED LISTING PREFACE

The parts list provides the identification and ordering data necessary for the replacement of electrical and hardware parts for this equipment. The equipment designation, final assembly number, and equipment name appear at the top of each page. The list is arranged in disassembly order, using levels of assembly to indicate the relationship of parts.

A typical parts list is shown below:

| MAG14-C | 18058800 | D | MAG14C CENTRAL STORAGE MOD | |
|-------------|----------|-----|--------------------------------------|-----------|
| L E V E L † | PART NO | REV | DESCRIPTION | ECO-NO †† |
| 1 | 18515400 | B | SYSTEM SUB-ASSY | |
| 2 | 18074900 | J | STOR MODULE ASSY WIRED | IN 064591 |
| 3 | 18074700 | G | PL TOP STORAGE MODULE | |
| 3 | 18074800 | H | STACK AND DR DK ASSY WIRED | |
| 4 | 18075000 | G | STACK ASSY WIRED STOR MODULE | |
| 5 | 63130100 | F | PLANE ASSY INNER STOR MODULE | IN 620152 |
| 6 | 63702100 | J | BOARD BLANK MEMORY PLANE IN | |
| 3 | | 00 | 00000000000000000000000000000000 ††† | |

Refer to the Literature Catalog, publication number 90310400, for related manuals on printed circuit card assemblies, peripheral cabinets, power supplies, and vendor parts lists necessary to complete a total parts breakdown of the equipment.

† The level of assembly in relation to the final cabinet assembly (2 is the subassembly of level 1, 3 is the subassembly of level 2, etc).

†† The engineering change order number on which the part is either added (IN) or deleted (OUT) in the equipment.

††† If the description column contains all zeros, the drawing is not released. Revisions show corrections.

| LEVEL | PART-NO | REV | DESCRIPTION | SPARE | ECO-NO | |
|-------|----------|----------|--------------------------------|---------------------------|-----------|--|
| | 6683-0 | 23065400 | 3 | SATELLITE COUPLER CHASSIS | | |
| 1 | 15000700 | F | EQUIPMENT IDENTIFICATION PLATE | N | IN | |
| 1 | 23065500 | B | TOP ASSY SATL COUPLER CHASSIS | N | IN | |
| 2 | 22746500 | A | CARD PLACEMENT-SATL CPLR CHAS | N | IN | |
| 3 | 17660000 | E | MODULE ASSEMBLY- TYPE ZD | N | IN | |
| 4 | 17659900 | C | BD/MA PRINTED CKT TYPE ZD | | IN | |
| 4 | 17659901 | O | BD/MA PRINTED CKT TYPE ZD | | IN | |
| 4 | 17856750 | S | IDENT PLATE, LOGIC MOD ZD | | IN | |
| 4 | 20219900 | A | MODULE ASSY KIT | | IN 021136 | |
| 5 | 18601200 | D | ROLLPIN 5/64 DIA COPPER | | IN | |
| 5 | 18764000 | A | MODULE CAP ASSEMBLY | | IN | |
| 6 | 17733602 | F | CAP MODULE | | IN | |
| 6 | 18747000 | B | CONN RECEPTACLE TEST POINT | | IN | |
| 5 | 24562600 | R | CONN. CARD RIGHT ANGLE 30 PIN | | IN | |
| 4 | 24500031 | T | RES FXD .25W 47 OHMS | | IN | |
| 4 | 24500033 | T | RES FXD .25W 56 OHMS | | IN | |
| 4 | 24500039 | T | RES FXD .25W 100 OHMS | | IN | |
| 4 | 24500041 | T | RES FXD .25W 120 OHMS | | IN | |
| 4 | 24500043 | T | RES FXD .25W 150 OHMS | | IN | |
| 4 | 24500055 | T | RES FXD .25W 470 OHMS | | IN | |
| 4 | 24500059 | T | RES FXD .25W 680 OHMS | | IN | |
| 4 | 24501800 | D | WIRE ELECT SOLID COPPER 24 GA | | IN | |
| 4 | 24553500 | S | DIODE SILICON PLANAR | | IN 034288 | |
| 4 | 24561307 | F | CAP FIXED CERAMIC .1UF,25V | | IN | |
| 4 | 24561900 | H | TRANSISTOR SILICON NPN,PLANAR | | IN | |
| 4 | 24563700 | D | INSULATION SLEEVING HIGH TEMP | | IN | |
| 3 | 63036800 | S | WIRE JUMPER | | IN | |
| 3 | 17814700 | A | INSULATOR CARD MODULE | N | IN | |
| 4 | 17876100 | G | MODULE ASSY TYPE ZS | N | IN | |
| 4 | 17838500 | A | TRANSISTOR PNP SILICON | | IN | |
| 4 | 17856765 | S | IDENT PLATE, LOGIC MOD ZS | | IN | |
| 4 | 17876000 | E | BD/MA PRINTED CKT TYPE ZS | | IN | |
| 4 | 17876001 | E | BD MA PRINTED CKT TYPE ZS | | IN | |
| 4 | 20219900 | A | MODULE ASSY KIT | | IN 021118 | |
| 5 | 18601200 | D | ROLLPIN 5/64 DIA COPPER | | IN | |
| 5 | 18764000 | A | MODULE CAP ASSEMBLY | | IN | |
| 6 | 17733602 | F | CAP MODULE | | IN | |
| 6 | 18747000 | B | CONN RECEPTACLE TEST POINT | | IN | |
| 5 | 24562600 | R | CONN. CARD RIGHT ANGLE 30 PIN | | IN | |
| 4 | 24500015 | T | RES FXD .25W 10 OHMS | | IN | |
| 4 | 24500024 | T | RES FXD .25W 24 OHMS | | IN | |
| 4 | 24500031 | T | RES FXD .25W 47 OHMS | | IN | |
| 4 | 24500033 | T | RES FXD .25W 56 OHMS | | IN | |
| 4 | 24500039 | T | RES FXD .25W 100 OHMS | | IN | |
| 4 | 24500041 | T | RES FXD .25W 120 OHMS | | IN | |
| 4 | 24500043 | T | RES FXD .25W 150 OHMS | | IN | |
| 4 | 24500046 | T | RES FXD .25W 200 OHMS | | IN | |
| 4 | 24500049 | T | RES FXD .25W 270 OHMS | | IN | |
| 4 | 24500051 | T | RES FXD .25W 330 OHMS | | IN | |
| 4 | 24500055 | T | RES FXD .25W 470 OHMS | | IN | |
| 4 | 24500058 | T | RES FXD .25W 620 OHMS | | IN | |
| 4 | 24500059 | T | RES FXD .25W 680 OHMS | | IN | |
| 4 | 24500067 | F | RES FXD .25W 1500 OHMS | | IN | |
| 4 | 24500077 | F | RES FXD .25W 3900 OHMS | | IN | |
| 4 | 24500094 | F | RES FXD .25W 20000 OHMS | | IN | |
| 4 | 24501800 | D | WIRE ELECT SOLID COPPER 24 GA | | IN | |
| 4 | 24525607 | N | RES FXD MET F 1/8W 75 OHMS | | IN | |
| 4 | 24525608 | N | RES FXD MET F 1/8W 100 OHMS | | IN | |
| 4 | 24525609 | N | RES FXD MET F 1/8W 182 OHMS | | IN | |
| 4 | 24525610 | N | RES FXD MET F 1/8W 332 OHMS | | IN | |
| 4 | 24553500 | S | DIODE SILICON PLANAR | | IN | |
| 4 | 24553600 | E | TRANSISTOR-NPN, SI PLANAR | | IN | |
| 4 | 24561307 | F | CAP FIXED CERAMIC .1UF,25V | | IN | |
| 4 | 24561900 | H | TRANSISTOR SILICON NPN,PLANAR | | IN | |
| 4 | 24563700 | D | INSULATION SLEEVING HIGH TEMP | | IN | |
| 3 | 63036800 | S | WIRE JUMPER | | IN | |
| 4 | 17876300 | G | MODULE ASSEMBLY-TYPE ZR | N | IN | |
| 4 | 17838500 | A | TRANSISTOR PNP SILICON | | IN | |
| 4 | 17856764 | S | IDENT PLATE, LOGIC MOD ZR | | IN | |
| 4 | 17876200 | D | BD/MA PRINTED CKT TYPE ZR | | IN | |
| 4 | 17876201 | D | BD/MA PRINTED CKT TYPE ZR | | IN | |
| 4 | 20219900 | A | MODULE ASSY KIT | | IN 021118 | |
| 5 | 18601200 | D | ROLLPIN 5/64 DIA COPPER | | IN | |
| 5 | 18764000 | A | MODULE CAP ASSEMBLY | | IN | |
| 6 | 17733602 | F | CAP MODULE | | IN | |
| 6 | 18747000 | B | CONN RECEPTACLE TEST POINT | | IN | |

6683-0

23365400 B SATELLITE COUPLER CHASSIS

| LEVEL | PART-NO | REV | DESCRIPTION | SPARE | ECO-NO |
|-------|----------|-----|-------------------------------|-------|-----------|
| 5 | 24562600 | B | CONN. CARD RIGHT ANGLE 30 PIN | | IN |
| f | 24500015 | T | RES FXD .25W 10 OHMS | | IN |
| f | 24500033 | T | RES FXD .25W 56 OHMS | | IN |
| f | 24500039 | T | RES FXD .25W 100 OHMS | | IN |
| f | 24500041 | T | RES FXD .25W 120 OHMS | | IN |
| f | 24500046 | T | RES FXD .25W 200 OHMS | | IN |
| f | 24500049 | T | RES FXD .25W 270 OHMS | | IN |
| f | 24500051 | T | RES FXD .25W 330 OHMS | | IN |
| f | 24500055 | T | RES FXD .25W 470 OHMS | | IN |
| f | 24500058 | T | RES FXD .25W 620 OHMS | | IN |
| f | 24500067 | T | RES FXD .25W 1500 OHMS | | IN |
| f | 24500094 | T | RES FXD .25W 20000 OHMS | | IN |
| f | 24501806 | D | WIRE ELECT SOLID COPPER 24 GA | | IN |
| f | 24553500 | S | DIODE SILICON PLANAR | | IN |
| f | 24561307 | H | CAP FIXED CERAMIC .1UF,25V | | IN |
| f | 24561900 | I | TRANSISTOR SILICON NPN,PLANAR | | IN |
| f | 24563700 | O | INSULATION SLEEVING HIGH TEMP | | IN |
| 3 | 63036800 | S | WIRE JUMPER | | IN |
| f | 17876500 | G | MODULE ASSEMBLY TYPE ZT | N | IN |
| f | 17838500 | A | TRANSISTOR PNP SILICON | | IN |
| f | 17856766 | S | IDENT PLATE, LOGIC MOD ZT | | IN |
| f | 17876400 | O | BD/MA PRINTED CKT TYPE ZT | | IN |
| f | 17876401 | F | BD/MA PRINTED CKT TYPE ZT | | IN |
| f | 20219900 | A | MODULE ASSY KIT | | IN 021151 |
| 5 | 18601200 | O | ROLLPIN 5/64 DIA COPPER | | IN |
| 5 | 18764000 | A | MODULE CAP ASSEMBLY | | IN |
| 6 | 17733602 | T | CAP MODULE | | IN |
| 6 | 18747000 | B | CONN RECEPTACLE TEST POINT | | IN |
| 5 | 24562600 | B | CONN. CARD RIGHT ANGLE 30 PIN | | IN |
| f | 24500024 | T | RES FXD .25W 24 OHMS | | IN |
| f | 24500031 | T | RES FXD .25W 47 OHMS | | IN |
| f | 24500055 | T | RES FXD .25W 470 OHMS | | IN |
| f | 24500077 | T | RES FXD .25W 3900 OHMS | | IN |
| f | 24501806 | D | WIRE ELECT SOLID COPPER 24 GA | | IN |
| f | 24525607 | Z | RES FXD MET F 1/8W 75 OHMS | | IN |
| f | 24525608 | Z | RES FXD MET F 1/8W 100 OHMS | | IN |
| f | 24525609 | Z | RES FXD MET F 1/8W 182 OHMS | | IN |
| f | 24525610 | Z | RES FXD MET F 1/8W 332 OHMS | | IN |
| f | 24553500 | S | DIODE SILICON PLANAR | | IN |
| f | 24553603 | F | TRANSISTOR-NPN, SI PLANAR | | IN |
| f | 24561307 | H | CAP FIXED CERAMIC .1UF,25V | | IN |
| f | 24561900 | I | TRANSISTOR SILICON NPN,PLANAR | | IN |
| f | 24563700 | O | INSULATION SLEEVING HIGH TEMP | | IN |
| 3 | 63036800 | S | WIRE JUMPER | | IN |
| 3 | 17994100 | G | BLANK CARD CAP | N | IN |
| f | 1806030J | E | MODULE ASSY TYPE TR | N | IN |
| f | 17856608 | C | IDENT PLATE, LOGIC MOD TR | | IN |
| f | 18060400 | O | BOARD/MASTER P C TYPE TR | | IN |
| f | 18060401 | O | BOARD/MASTER P C TYPE TR | | IN |
| f | 20219900 | A | MODULE ASSY KIT | | IN 021160 |
| 5 | 18601200 | O | ROLLPIN 5/64 DIA COPPER | | IN |
| 5 | 18764000 | A | MODULE CAP ASSEMBLY | | IN |
| 6 | 17733602 | T | CAP MODULE | | IN |
| 6 | 18747000 | B | CONN RECEPTACLE TEST POINT | | IN |
| 5 | 24562600 | B | CONN. CARD RIGHT ANGLE 30 PIN | | IN |
| f | 24500031 | T | RES FXD .25W 47 OHMS | | IN |
| f | 24500033 | T | RES FXD .25W 56 OHMS | | IN |
| f | 24500041 | T | RES FXD .25W 120 OHMS | | IN |
| f | 24500055 | T | RES FXD .25W 470 OHMS | | IN |
| f | 24501806 | D | WIRE ELECT SOLID COPPER 24 GA | | IN |
| f | 24553501 | S | DIODE SILICON PLANAR | | IN 034288 |
| f | 24561307 | H | CAP FIXED CERAMIC .1UF,25V | | IN |
| f | 24561900 | I | TRANSISTOR SILICON NPN,PLANAR | | IN |
| f | 24563700 | O | INSULATION SLEEVING HIGH TEMP | | IN |
| 3 | 63036800 | S | WIRE JUMPER | | IN |
| f | 18294700 | B | MODULE ASSY TYPE J59 | N | IN |
| f | 17857059 | B | IDENT PL LOGIC MODULE J59 | | IN |
| f | 18294800 | O | BD/MA PRINTED CKT TYPE J59 | | IN |
| f | 18294801 | O | BD/MA PRINTED CKT TYPE J59 | | IN |
| f | 20219900 | A | MODULE ASSY KIT | | IN 021154 |
| 5 | 18601200 | O | ROLLPIN 5/64 DIA COPPER | | IN |
| 6 | 18764000 | A | MODULE CAP ASSEMBLY | | IN |
| 6 | 17733602 | T | CAP MODULE | | IN |
| 6 | 18747000 | B | CONN RECEPTACLE TEST POINT | | IN |

| 6683-0 | 23065400 | B | SATELLITE COUPLER CHASSIS | | |
|--------|-----------|-----|--------------------------------|-------|-----------|
| LEVEL | PART-NO | REV | DESCRIPTION | SPARE | ECO-NO |
| 5 | 24562600 | R | CONN. CARD RIGHT ANGLE 30 PIN | | IN |
| 4 | 245000031 | F | RES FXD .25W 47 OHMS | | IN |
| 4 | 245000033 | F | RES FXD .25W 56 OHMS | | IN |
| 4 | 245000039 | F | RES FXD .25W 100 OHMS | | IN |
| 4 | 245000041 | F | RES FXD .25W 120 OHMS | | IN |
| 4 | 245000047 | F | RES FXD .25W 220 OHMS | | IN |
| 4 | 245000055 | F | RES FXD .25W 470 OHMS | | IN |
| 4 | 245000059 | F | RES FXD .25W 680 OHMS | | IN |
| 4 | 245018006 | D | WIRE ELECT SOLID COPPER 24 GA | | IN |
| 4 | 24553501 | S | DIODE SILICON PLANAR | | IN 034288 |
| 4 | 24561307 | F | CAP FIXED CERAMIC .1UF,25V | | IN |
| 4 | 24561900 | H | TRANSISTOR SILICON NPN,PLANAR | | IN |
| 4 | 24563700 | D | INSULATION SLEEVING HIGH TEMP | | IN |
| 4 | 63036800 | S | WIRE JUMPER | | IN |
| 3 | 18430000 | G | MODULE ASSY TYPE V66 | N | IN |
| 4 | 17936166 | B | IDENT PLATE LOGIC MODULE | | IN |
| 4 | 17948200 | J | BOARD/MASTER P C TYPE V66 | | IN |
| 4 | 17948201 | E | BOARD/MASTER P C TYPE V66 | | IN |
| 4 | 20219900 | A | MODULE ASSY KIT | | IN 021172 |
| 4 | 18601200 | D | ROLLPIN 5/64 DIA COPPER | | IN |
| 5 | 18764600 | A | MODULE CAP ASSEMBLY | | IN |
| 5 | 17733602 | F | CAP MODULE | | IN |
| 5 | 18747000 | B | CONN RECEPTACLE TEST POINT | | IN |
| 4 | 24562600 | R | CONN. CARD RIGHT ANGLE 30 PIN | | IN |
| 4 | 245000031 | F | RES FXD .25W 47 OHMS | | IN |
| 4 | 245000033 | F | RES FXD .25W 56 OHMS | | IN |
| 4 | 245000039 | F | RES FXD .25W 100 OHMS | | IN |
| 4 | 245000041 | F | RES FXD .25W 120 OHMS | | IN |
| 4 | 245000043 | F | RES FXD .25W 150 OHMS | | IN |
| 4 | 245000055 | F | RES FXD .25W 470 OHMS | | IN |
| 4 | 245000057 | F | RES FXD .25W 560 OHMS | | IN |
| 4 | 245000059 | F | RES FXD .25W 680 OHMS | | IN |
| 4 | 24501737 | J | CAP FXD CER DIELECTRIC | | IN |
| 4 | 245018006 | D | WIRE ELECT SOLID COPPER 24 GA | | IN |
| 4 | 24553501 | S | DIODE SILICON PLANAR | | IN 034288 |
| 4 | 24561307 | F | CAP FIXED CERAMIC .1UF,25V | | IN |
| 4 | 24561900 | H | TRANSISTOR SILICON NPN,PLANAR | | IN |
| 4 | 24563700 | D | INSULATION SLEEVING HIGH TEMP | | IN |
| 4 | 63036800 | S | WIRE JUMPER | | IN |
| 3 | 18455500 | D | SCREW, CAPTIVE, LOG STOR MOD | N | IN |
| 3 | 18574100 | F | MODULE ASSEMBLY TYPE RX | N | IN |
| 4 | 17856562 | C | IDENT PLATE LOGIC MOD PN-TI | | IN |
| 4 | 17942100 | C | CAP MODULE | | IN |
| 4 | 18574200 | B | BD/MA PRINTED CKT TYPE RX | | IN |
| 4 | 18574201 | B | BD/MA PRINTED CKT TYPE RX | | IN |
| 4 | 18601200 | D | ROLLPIN 5/64 DIA COPPER | | IN 017614 |
| 4 | 245000031 | F | RES FXD .25W 47 OHMS | | IN |
| 4 | 245000033 | F | RES FXD .25W 56 OHMS | | IN |
| 4 | 245000037 | F | RES FXD .25W 82 OHMS | | IN 035202 |
| 4 | 245000039 | F | RES FXD .25W 100 OHMS | | IN |
| 4 | 245000041 | F | RES FXD .25W 120 OHMS | | IN |
| 4 | 245000043 | F | RES FXD .25W 150 OHMS | | IN |
| 4 | 245000055 | F | RES FXD .25W 470 OHMS | | IN |
| 4 | 245000057 | F | RES FXD .25W 560 OHMS | | IN |
| 4 | 245000059 | F | RES FXD .25W 680 OHMS | | IN |
| 4 | 245018006 | D | WIRE ELECT SOLID COPPER 24 GA | | IN |
| 4 | 24553501 | S | DIODE SILICON PLANAR | | IN 034288 |
| 4 | 24561307 | F | CAP FIXED CERAMIC .1UF,25V | | IN |
| 4 | 24561900 | H | TRANSISTOR SILICON NPN,PLANAR | | IN |
| 4 | 24562600 | R | CONN. CARD RIGHT ANGLE 30 PIN | | IN |
| 4 | 24563700 | D | INSULATION SLEEVING HIGH TEMP | | IN |
| 4 | 30093300 | B | SWITCH, TOGGLE-SUBMINIATURE | | IN |
| 4 | 63036800 | S | WIRE JUMPER | | IN |
| 3 | 20220000 | A | MODULE RETAINER KIT,AIR COOLED | N | IN |
| 4 | 17814700 | A | INSULATOR CARD MODULE | | IN |
| 4 | 17901502 | H | 4-4GSCR THD ROLL PHL H PAN | | IN |
| 4 | 17949401 | E | RETAINER MODULE ASSY | | IN |
| 4 | 00843508 | E | RING RETAINING | | IN 024847 |
| 4 | 17733800 | H | RETAINER MODULE-WIDE | | IN |
| 4 | 18455500 | D | SCREW, CAPTIVE, LOG STOR MOD | | IN 024847 |
| 4 | 52751400 | B | WASHER SPACER | | IN 024847 |
| 3 | 52543200 | C | MODULE ASSY TYPE AE | N | IN |
| 4 | 17856104 | C | IDENT PLATE LOGIC MOD AA-DV | | IN |
| 4 | 20219900 | A | MODULE ASSY KIT | | IN |

6683-D 23665400 B SATELLITE COUPLER CHASSIS
 LEVEL PART-NO REV DESCRIPTION SPARE ECO-NO

| LEVEL | PART-NO | REV | DESCRIPTION | SPARE | ECO-NO |
|-------|----------|-----|-------------------------------|-------|-----------|
| 5 | 18601200 | D | ROLLPIN 5/64 DIA COPPER | | IN |
| 5 | 18764000 | A | MODULE CAP ASSEMBLY | | IN |
| 5 | 17733602 | F | CAP MODULE | | IN |
| 6 | 18747000 | B | CONN RECEPTACLE TEST POINT | | IN |
| 5 | 24562600 | R | CONN. CARD RIGHT ANGLE 30 PIN | | IN |
| 4 | 24500031 | F | RES FXD .25W 47 OHMS | | IN |
| 4 | 24500033 | F | RES FXD .25W 56 OHMS | | IN |
| 4 | 24500039 | F | RES FXD .25W 100 OHMS | | IN |
| 4 | 24500043 | F | RES FXD .25W 150 OHMS | | IN |
| 4 | 24500055 | F | RES FXD .25W 470 OHMS | | IN |
| 4 | 24500057 | F | RES FXD .25W 560 OHMS | | IN |
| 4 | 24500059 | F | RES FXD .25W 680 OHMS | | IN |
| 4 | 24501806 | D | WIRE ELECT SOLID COPPER 24 GA | | IN |
| 4 | 24561307 | F | CAP FIXED CERAMIC .1UF,25V | | IN |
| 4 | 24561900 | H | TRANSISTOR SILICON NPN,PLANAR | | IN |
| 4 | 24563700 | D | INSULATION SLEEVING HIGH TEMP | | IN |
| 4 | 63036800 | S | WIRE JUMPER | | IN |
| 4 | 63605800 | B | BOARD MASTER PC TYPE AEA | | IN |
| 4 | 63605900 | B | BOARD MASTER PC TYPE AEB | | IN |
| 3 | 52543500 | C | MODULE ASSY TYPE AB | N | IN |
| 4 | 17856101 | C | IDENT PLATE LOGIC MOD AA-OV | | IN |
| 4 | 20219900 | A | MODULE ASSY KIT | | IN |
| 5 | 18601200 | D | ROLLPIN 5/64 DIA COPPER | | IN |
| 5 | 18764000 | A | MODULE CAP ASSEMBLY | | IN |
| 6 | 17733602 | F | CAP MODULE | | IN |
| 5 | 18747000 | B | CONN RECEPTACLE TEST POINT | | IN |
| 5 | 24562600 | R | CONN. CARD RIGHT ANGLE 30 PIN | | IN |
| 4 | 24500031 | F | RES FXD .25W 47 OHMS | | IN |
| 4 | 24500033 | F | RES FXD .25W 56 OHMS | | IN |
| 4 | 24500039 | F | RES FXD .25W 100 OHMS | | IN |
| 4 | 24500041 | F | RES FXD .25W 120 OHMS | | IN |
| 4 | 24500055 | F | RES FXD .25W 470 OHMS | | IN |
| 4 | 24500059 | F | RES FXD .25W 680 OHMS | | IN |
| 4 | 24501806 | D | WIRE ELECT SOLID COPPER 24 GA | | IN |
| 4 | 24553501 | S | DIODE SILICON PLANAR | | IN 034288 |
| 4 | 24561307 | F | CAP FIXED CERAMIC .1UF,25V | | IN |
| 4 | 24561900 | H | TRANSISTOR SILICON NPN,PLANAR | | IN |
| 4 | 24563700 | D | INSULATION SLEEVING HIGH TEMP | | IN |
| 4 | 63036800 | S | WIRE JUMPER | | IN |
| 4 | 63605200 | F | BOARD MASTER PC TYPE ABA | | IN |
| 4 | 63605300 | F | BOARD MASTER PC TYPE ABB | | IN |
| 3 | 52543600 | O | MODULE ASSY TYPE AA | N | IN |
| 4 | 17856100 | C | IDENT PLATE LOGIC MOD AA-OV | | IN |
| 4 | 20219900 | A | MODULE ASSY KIT | | IN |
| 5 | 18601200 | D | ROLLPIN 5/64 DIA COPPER | | IN |
| 5 | 18764000 | A | MODULE CAP ASSEMBLY | | IN |
| 6 | 17733602 | F | CAP MODULE | | IN |
| 5 | 18747000 | B | CONN RECEPTACLE TEST POINT | | IN |
| 5 | 24562600 | R | CONN. CARD RIGHT ANGLE 30 PIN | | IN |
| 4 | 24500031 | F | RES FXD .25W 47 OHMS | | IN |
| 4 | 24500033 | F | RES FXD .25W 56 OHMS | | IN |
| 4 | 24500039 | F | RES FXD .25W 100 OHMS | | IN |
| 4 | 24500041 | F | RES FXD .25W 120 OHMS | | IN |
| 4 | 24500055 | F | RES FXD .25W 470 OHMS | | IN |
| 4 | 24500059 | F | RES FXD .25W 680 OHMS | | IN |
| 4 | 24501806 | D | WIRE ELECT SOLID COPPER 24 GA | | IN |
| 4 | 24553501 | S | DIODE SILICON PLANAR | | IN 034288 |
| 4 | 24561307 | F | CAP FIXED CERAMIC .1UF,25V | | IN |
| 4 | 24561900 | H | TRANSISTOR SILICON NPN,PLANAR | | IN |
| 4 | 24563700 | D | INSULATION SLEEVING HIGH TEMP | | IN |
| 4 | 63036800 | S | WIRE JUMPER | | IN |
| 4 | 63605000 | D | BOARD MASTER PC TYPE AAA | | IN |
| 4 | 63605100 | G | BOARD MASTER PC TYPE AAB | | IN |
| 3 | 52544500 | C | MODULE ASSY TYPE IV | N | IN |
| 4 | 17856329 | C | IDENT PLATE LOGIC MOD HS-LN | | IN |
| 4 | 20219900 | A | MODULE ASSY KIT | | IN |
| 5 | 18601200 | D | ROLLPIN 5/64 DIA COPPER | | IN |
| 5 | 18764000 | A | MODULE CAP ASSEMBLY | | IN |
| 6 | 17733602 | F | CAP MODULE | | IN |
| 5 | 18747000 | B | CONN RECEPTACLE TEST POINT | | IN |
| 5 | 24562600 | R | CONN. CARD RIGHT ANGLE 30 PIN | | IN |
| 4 | 24500031 | F | RES FXD .25W 47 OHMS | | IN |
| 4 | 24500033 | F | RES FXD .25W 56 OHMS | | IN |
| 4 | 24500039 | F | RES FXD .25W 100 OHMS | | IN |

6683-D 23065400 B SATELLITE COUPLER CHASSIS

| LEVEL | PART-NO | REV | DESCRIPTION | SPARE | ECO-NO |
|-------|----------|-----|--------------------------------|-------|-----------|
| 4 | 24500041 | F | RES FXD .25W 120 OHMS | | IN |
| 4 | 24500043 | F | RES FXD .25W 150 OHMS | | IN |
| 4 | 24500055 | F | RES FXD .25W 470 OHMS | | IN |
| 4 | 24500057 | F | RES FXD .25W 560 OHMS | | IN |
| 4 | 24501806 | U | WIRE ELECT SOLID COPPER 24 GA | | IN |
| 4 | 24553501 | S | DIODE SILICON PLANAR | | IN 034288 |
| 4 | 24561307 | T | CAP FIXED CERAMIC .1UF,25V | | IN |
| 4 | 24561900 | H | TRANSISTOR SILICON NPN, PLANAR | | IN |
| 4 | 24563700 | D | INSULATION SLEEVING HIGH TEMP | | IN |
| 4 | 63036800 | S | WIRE JUMPER | | IN |
| 4 | 63623600 | F | BOARD MASTER PC TYPE IVA | | IN |
| 4 | 63623700 | F | BOARD MASTER PC TYPE IVB | | IN |
| 3 | 52548700 | J | MODULE ASSY TYPE PB | N | IN |
| 4 | 17856488 | C | IDENT PLATE LOGIC MOD PB | | IN |
| 4 | 20219900 | A | MODULE ASSY KIT | | IN |
| 5 | 18601200 | A | ROLLPIN 5/64 DIA COPPER | | IN |
| 5 | 18764000 | A | MODULE CAP ASSEMBLY | | IN |
| 6 | 17733602 | F | CAP MODULE | | IN |
| 5 | 18747000 | B | CONN RECEPTACLE TEST POINT | | IN |
| 5 | 24562600 | B | CONN. CARD RIGHT ANGLE 30 PIN | | IN |
| 4 | 24500031 | T | RES FXD .25W 47 OHMS | | IN |
| 4 | 24500033 | T | RES FXD .25W 56 OHMS | | IN |
| 4 | 24500039 | T | RES FXD .25W 100 OHMS | | IN |
| 4 | 24500043 | T | RES FXD .25W 150 OHMS | | IN |
| 4 | 24500055 | T | RES FXD .25W 470 OHMS | | IN |
| 4 | 24500057 | T | RES FXD .25W 560 OHMS | | IN |
| 4 | 24500059 | T | RES FXD .25W 680 OHMS | | IN |
| 4 | 24501710 | J | CAP FXD CER DIELECTRIC | | IN |
| 4 | 24501806 | U | WIRE ELECT SOLID COPPER 24 GA | | IN |
| 4 | 24561307 | T | CAP FIXED CERAMIC .1UF,25V | | IN |
| 4 | 24561900 | H | TRANSISTOR SILICON NPN, PLANAR | | IN |
| 4 | 24563700 | D | INSULATION SLEEVING HIGH TEMP | | IN |
| 4 | 63036800 | S | WIRE JUMPER | | IN |
| 4 | 63640400 | F | BOARD MASTER PC TYPE PBA | | IN |
| 4 | 63640500 | F | BOARD MASTER PC TYPE PBB | | IN |
| 3 | 52549200 | O | MODULE ASSY TYPE PJ | N | IN |
| 4 | 17856496 | C | IDENT PLATE LOGIC MOD PJ | | IN |
| 4 | 20219900 | A | MODULE ASSY KIT | | IN |
| 5 | 18601200 | A | ROLLPIN 5/64 DIA COPPER | | IN |
| 5 | 18764000 | A | MODULE CAP ASSEMBLY | | IN |
| 6 | 17733602 | F | CAP MODULE | | IN |
| 5 | 18747000 | B | CONN RECEPTACLE TEST POINT | | IN |
| 5 | 24562600 | B | CONN. CARD RIGHT ANGLE 30 PIN | | IN |
| 4 | 24500031 | T | RES FXD .25W 47 OHMS | | IN |
| 4 | 24500033 | T | RES FXD .25W 56 OHMS | | IN |
| 4 | 24500039 | T | RES FXD .25W 100 OHMS | | IN |
| 4 | 24500041 | T | RES FXD .25W 120 OHMS | | IN |
| 4 | 24500043 | T | RES FXD .25W 150 OHMS | | IN |
| 4 | 24500047 | T | RES FXD .25W 220 OHMS | | IN |
| 4 | 24500055 | T | RES FXD .25W 470 OHMS | | IN |
| 4 | 24500057 | T | RES FXD .25W 560 OHMS | | IN |
| 4 | 24500059 | T | RES FXD .25W 680 OHMS | | IN |
| 4 | 24501806 | U | WIRE ELECT SOLID COPPER 24 GA | | IN |
| 4 | 24553501 | S | DIODE SILICON PLANAR | | IN 034288 |
| 4 | 24561307 | T | CAP FIXED CERAMIC .1UF,25V | | IN |
| 4 | 24561900 | H | TRANSISTOR SILICON NPN, PLANAR | | IN |
| 4 | 24563700 | D | INSULATION SLEEVING HIGH TEMP | | IN |
| 4 | 63036800 | S | WIRE JUMPER | | IN |
| 4 | 63641800 | D | BOARD MASTER PC TYPE PJA | | IN |
| 4 | 63641900 | D | BOARD MASTER PC TYPE PJB | | IN |
| 3 | 52549700 | E | MODULE ASSY TYPE QH | N | IN |
| 4 | 17856520 | C | IDENT PLATE LOGIC MOD PN-TI | | IN |
| 4 | 20219900 | A | MODULE ASSY KIT | | IN |
| 5 | 18601200 | A | ROLLPIN 5/64 DIA COPPER | | IN |
| 5 | 18764000 | A | MODULE CAP ASSEMBLY | | IN |
| 6 | 17733602 | F | CAP MODULE | | IN |
| 5 | 18747000 | B | CONN RECEPTACLE TEST POINT | | IN |
| 5 | 24562600 | B | CONN. CARD RIGHT ANGLE 30 PIN | | IN |
| 4 | 24500031 | T | RES FXD .25W 47 OHMS | | IN |
| 4 | 24500033 | T | RES FXD .25W 56 OHMS | | IN |
| 4 | 24500041 | T | RES FXD .25W 120 OHMS | | IN |
| 4 | 24500055 | T | RES FXD .25W 470 OHMS | | IN |
| 4 | 24500059 | T | RES FXD .25W 680 OHMS | | IN |
| 4 | 24501806 | O | WIRE ELECT SOLID COPPER 24 GA | | IN |

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23065400 3 SATELLITE COUPLER CHASSIS

L E V E L

PART-NO REV

DESCRIPTION

SPARE

ECO-NO

| L E V E L | PART-NO | REV | DESCRIPTION | SPARE | ECO-NO |
|-----------|----------|-----|-------------------------------|-------|-----------|
| 4 | 24553501 | S | DIODE SILICON PLANAR | | IN 034288 |
| 4 | 24561307 | F | CAP FIXED CERAMIC .1UF,25V | | IN |
| 4 | 24561900 | H | TRANSISTOR SILICON NPN,PLANAR | | IN |
| 4 | 24563700 | D | INSULATION SLEEVING HIGH TEMP | | IN |
| 4 | 63036800 | S | WIRE JUMPER | | IN |
| 4 | 63646400 | E | BOARD MASTER PC TYPE QHA | | IN |
| 4 | 63646500 | D | BOARD MASTER PC TYPE QHB | | IN |
| 3 | 52549800 | C | MODULE ASSY TYPE QI | N | IN |
| 4 | 17856521 | C | IDENT PLATE LOGIC MOD PN-TI | | IN |
| 4 | 20219900 | A | MODULE ASSY KIT | | IN |
| 5 | 18601200 | J | ROLLPIN 5/64 DIA COPPER | | IN |
| 5 | 18764000 | A | MODULE CAP ASSEMBLY | | IN |
| 5 | 17733602 | F | CAP MODULE | | IN |
| 5 | 18747000 | B | CONN RECEPTACLE TEST POINT | | IN |
| 5 | 24562600 | R | CONN. CARD RIGHT ANGLE 30 PIN | | IN |
| 4 | 24500031 | F | RES FXD .25W 47 OHMS | | IN |
| 4 | 24500033 | F | RES FXD .25W 56 OHMS | | IN |
| 4 | 24500037 | F | RES FXD .25W 82 OHMS | | IN 035202 |
| 4 | 24500039 | F | RES FXD .25W 100 OHMS | | IN |
| 4 | 24500041 | F | RES FXD .25W 120 OHMS | | IN 035202 |
| 4 | 24500043 | F | RES FXD .25W 150 OHMS | | IN 035202 |
| 4 | 24500051 | F | RES FXD .25W 330 OHMS | | IN |
| 4 | 24500055 | F | RES FXD .25W 470 OHMS | | IN |
| 4 | 24500057 | F | RES FXD .25W 560 OHMS | | IN |
| 4 | 24500059 | F | RES FXD .25W 680 OHMS | | IN |
| 4 | 24501710 | J | CAP FXD CER DIELECTRIC | | IN |
| 4 | 24501806 | D | WIRE ELECT SOLID COPPER 24 GA | | IN |
| 4 | 24553500 | S | DIODE SILICON PLANAR | | IN |
| 4 | 24561307 | F | CAP FIXED CERAMIC .1UF,25V | | IN |
| 4 | 24561900 | H | TRANSISTOR SILICON NPN,PLANAR | | IN |
| 4 | 24563700 | D | INSULATION SLEEVING HIGH TEMP | | IN |
| 4 | 24573100 | E | TRANSFORMER LOGIC | | IN |
| 5 | 10392200 | B | CORE TOROIDAL 230 MIL | N | IN 030270 |
| 5 | 24524401 | AA | WIRE MAG RD POLY 33 GA RED | N | IN 030270 |
| 5 | 24524403 | AA | WIRE MAG RD POLY 33 GA GREEN | N | IN 030270 |
| 5 | 24524413 | AA | WIRE MAG ROUND,NATURAL | N | IN 034250 |
| 4 | 63036800 | S | WIRE JUMPER | | IN |
| 4 | 63646600 | E | BOARD MASTER PC TYPE QIA | | IN |
| 4 | 63646700 | E | BOARD MASTER PC TYPE QIB | | IN |
| 3 | 52549900 | C | MODULE ASSY QJ | N | IN |
| 4 | 17856522 | C | IDENT PLATE LOGIC MOD PN-TI | | IN |
| 4 | 20219900 | A | MODULE ASSY KIT | | IN |
| 5 | 18601200 | D | ROLLPIN 5/64 DIA COPPER | | IN |
| 5 | 18764000 | A | MODULE CAP ASSEMBLY | | IN |
| 5 | 17733602 | F | CAP MODULE | | IN |
| 5 | 18747000 | B | CONN RECEPTACLE TEST POINT | | IN |
| 5 | 24562600 | R | CONN. CARD RIGHT ANGLE 30 PIN | | IN |
| 4 | 24500031 | F | RES FXD .25W 47 OHMS | | IN |
| 4 | 24500033 | F | RES FXD .25W 56 OHMS | | IN |
| 4 | 24500037 | F | RES FXD .25W 82 OHMS | | IN 035202 |
| 4 | 24500039 | F | RES FXD .25W 100 OHMS | | IN |
| 4 | 24500041 | F | RES FXD .25W 120 OHMS | | IN 035202 |
| 4 | 24500043 | F | RES FXD .25W 150 OHMS | | IN 035202 |
| 4 | 24500051 | F | RES FXD .25W 330 OHMS | | IN |
| 4 | 24500055 | F | RES FXD .25W 470 OHMS | | IN |
| 4 | 24500059 | F | RES FXD .25W 680 OHMS | | IN |
| 4 | 24501710 | J | CAP FXD CER DIELECTRIC | | IN |
| 4 | 24501806 | D | WIRE ELECT SOLID COPPER 24 GA | | IN |
| 4 | 24561307 | F | CAP FIXED CERAMIC .1UF,25V | | IN |
| 4 | 24561900 | H | TRANSISTOR SILICON NPN,PLANAR | | IN |
| 4 | 24563700 | D | INSULATION SLEEVING HIGH TEMP | | IN |
| 4 | 24573100 | E | TRANSFORMER LOGIC | | IN |
| 5 | 10392200 | B | CORE TOROIDAL 230 MIL | N | IN 030270 |
| 5 | 24524401 | AA | WIRE MAG RD POLY 33 GA RED | N | IN 030270 |
| 5 | 24524403 | AA | WIRE MAG RD POLY 33 GA GREEN | N | IN 030270 |
| 5 | 24524413 | AA | WIRE MAG ROUND,NATURAL | N | IN 034250 |
| 4 | 63036800 | S | WIRE JUMPER | | IN |
| 4 | 63646800 | J | BOARD MASTER PC TYPE QJA | | IN |
| 4 | 63646900 | J | BOARD MASTER PC TYPE QJB | | IN |
| 3 | 52551000 | C | MODULE ASSY TYPE TB | N | IN |
| 4 | 17856592 | C | IDENT PLATE LOGIC MOD PN-TI | | IN |
| 4 | 20219900 | A | MODULE ASSY KIT | | IN |
| 5 | 18601200 | D | ROLLPIN 5/64 DIA COPPER | | IN |
| 5 | 18764000 | A | MODULE CAP ASSEMBLY | | IN |

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23065400 B SATELLITE COUPLER CHASSIS

| LEVEL | PART-NO | REV | DESCRIPTION | SPARE | ECO-NO |
|-------|----------|-----|-------------------------------|-------|-----------|
| | 17733602 | F | CAP MODULE | | IN |
| | 18747000 | B | CONN RECEPTACLE TEST POINT | | IN |
| | 24562600 | R | CONN. CARD RIGHT ANGLE 30 PIN | | IN |
| | 24500031 | F | RES FXD .25W 47 OHMS | | IN |
| | 24500033 | F | RES FXD .25W 56 OHMS | | IN |
| | 24500039 | F | RES FXD .25W 100 OHMS | | IN |
| | 24500041 | F | RES FXD .25W 120 OHMS | | IN |
| | 24500043 | F | RES FXD .25W 150 OHMS | | IN |
| | 24500055 | F | RES FXD .25W 470 OHMS | | IN |
| | 24500057 | F | RES FXD .25W 560 OHMS | | IN |
| | 24500059 | F | RES FXD .25W 680 OHMS | | IN |
| | 24501806 | D | WIRE ELECT SOLID COPPER 24 GA | | IN |
| | 24553501 | S | DIODE SILICON PLANAR | | IN 034288 |
| | 24561307 | F | CAP FIXED CERAMIC .1UF,25V | | IN |
| | 24561900 | H | TRANSISTOR SILICON NPN,PLANAR | | IN |
| | 24563700 | D | INSULATION SLEEVING HIGH TEMP | | IN |
| | 63036800 | S | WIRE JUMPER | | IN |
| | 63651800 | D | BOARD MASTER PC TYPE TBA | | IN |
| | 63651900 | D | BOARD MASTER PC TYPE TBB | | IN |
| | 52551100 | D | MODULE ASSY TYPE TC | N | IN |
| | 17856593 | C | IDENT PLATE LOGIC MOD PN-TI | | IN |
| | 20219900 | A | MODULE ASSY KIT | | IN |
| | 18601200 | D | ROLLPIN 5/64 DIA COPPER | | IN |
| | 18764000 | A | MODULE CAP ASSEMBLY | | IN |
| | 17733602 | F | CAP MODULE | | IN |
| | 18747000 | B | CONN RECEPTACLE TEST POINT | | IN |
| | 24562600 | R | CONN. CARD RIGHT ANGLE 30 PIN | | IN |
| | 24500031 | F | RES FXD .25W 47 OHMS | | IN |
| | 24500033 | F | RES FXD .25W 56 OHMS | | IN |
| | 24500041 | F | RES FXD .25W 120 OHMS | | IN |
| | 24500043 | F | RES FXD .25W 150 OHMS | | IN |
| | 24500055 | F | RES FXD .25W 470 OHMS | | IN |
| | 24500057 | F | RES FXD .25W 560 OHMS | | IN |
| | 24500059 | F | RES FXD .25W 680 OHMS | | IN |
| | 24501806 | D | WIRE ELECT SOLID COPPER 24 GA | | IN |
| | 24553501 | S | DIODE SILICON PLANAR | | IN 034288 |
| | 24561307 | F | CAP FIXED CERAMIC .1UF,25V | | IN |
| | 24561900 | H | TRANSISTOR SILICON NPN,PLANAR | | IN |
| | 24563700 | D | INSULATION SLEEVING HIGH TEMP | | IN |
| | 63036800 | S | WIRE JUMPER | | IN |
| | 63652000 | D | BOARD MASTER PC TYPE TCA | | IN |
| | 63652100 | D | BOARD MASTER PC TYPE TCB | | IN |
| | 52551200 | D | MODULE ASSY TYPE TD | N | IN |
| | 17856594 | C | IDENT PLATE LOGIC MOD PN-TI | | IN |
| | 20219900 | A | MODULE ASSY KIT | | IN |
| | 18601200 | D | ROLLPIN 5/64 DIA COPPER | | IN |
| | 18764000 | A | MODULE CAP ASSEMBLY | | IN |
| | 17733602 | F | CAP MODULE | | IN |
| | 18747000 | B | CONN RECEPTACLE TEST POINT | | IN |
| | 24562600 | R | CONN. CARD RIGHT ANGLE 30 PIN | | IN |
| | 24500031 | F | RES FXD .25W 47 OHMS | | IN |
| | 24500033 | F | RES FXD .25W 56 OHMS | | IN |
| | 24500041 | F | RES FXD .25W 120 OHMS | | IN |
| | 24500043 | F | RES FXD .25W 150 OHMS | | IN |
| | 24500055 | F | RES FXD .25W 470 OHMS | | IN |
| | 24501806 | D | WIRE ELECT SOLID COPPER 24 GA | | IN |
| | 24553501 | S | DIODE SILICON PLANAR | | IN 034288 |
| | 24561307 | F | CAP FIXED CERAMIC .1UF,25V | | IN |
| | 24561900 | H | TRANSISTOR SILICON NPN,PLANAR | | IN |
| | 24563700 | D | INSULATION SLEEVING HIGH TEMP | | IN |
| | 63036800 | S | WIRE JUMPER | | IN |
| | 63652200 | E | BOARD MASTER PC TYPE TDA | | IN |
| | 63652300 | E | BOARD MASTER PC TYPE TDB | | IN |
| | 52551300 | D | MODULE ASSY TYPE TE | N | IN |
| | 17856595 | C | IDENT PLATE LOGIC MOD PN-TI | | IN |
| | 20219900 | A | MODULE ASSY KIT | | IN |
| | 18601200 | D | ROLLPIN 5/64 DIA COPPER | | IN |
| | 18764000 | A | MODULE CAP ASSEMBLY | | IN |
| | 17733602 | F | CAP MODULE | | IN |
| | 18747000 | B | CONN RECEPTACLE TEST POINT | | IN |
| | 24562600 | R | CONN. CARD RIGHT ANGLE 30 PIN | | IN |
| | 24500031 | F | RES FXD .25W 47 OHMS | | IN |
| | 24500033 | F | RES FXD .25W 56 OHMS | | IN |
| | 24500041 | F | RES FXD .25W 120 OHMS | | IN |

| 6683-D | 23065400 | 3 | SATELLITE COUPLER CHASSIS | | |
|--------|----------|-----|-------------------------------|-------|--------|
| LEVEL | PART-NO | REV | DESCRIPTION | SPARE | ECO-NO |
| 4 | 24500043 | F | RES FXD .25W 150 OHMS | | IN |
| 4 | 24500059 | F | RES FXD .25W 470 OHMS | | IN |
| 4 | 24500059 | F | RES FXD .25W 680 OHMS | | IN |
| 4 | 24553501 | S | DIODE SILICON PLANAR | | 034288 |
| 4 | 24561307 | F | CAP FIXED CERAMIC .1UF,25V | | IN |
| 4 | 24561900 | H | TRANSISTOR SILICON NPN,PLANAR | | IN |
| 4 | 24563700 | D | INSULATION SLEEVING HIGH TEMP | | IN |
| 4 | 63036800 | S | WIRE JUMPER | | IN |
| 4 | 63652400 | D | BOARD MASTER PC TYPE TEA | | IN |
| 4 | 63652500 | D | BOARD MASTER PC TYPE TEB | | IN |
| 3 | 52551500 | D | MODULE ASSY TYPE TH | N | IN |
| 4 | 17856598 | C | IDENT PLATE LOGIC MOD PN-TI | | IN |
| 4 | 20219900 | A | MODULE ASSY KIT | | IN |
| 4 | 18601200 | U | ROLLPIN 5/64 DIA COPPER | | IN |
| 5 | 18764000 | A | MODULE CAP ASSEMBLY | | IN |
| 5 | 17733602 | F | CAP MODULE | | IN |
| 5 | 18747000 | B | CONN RECEPTACLE TEST POINT | | IN |
| 5 | 24562600 | R | CONN. CARD RIGHT ANGLE 30 PIN | | IN |
| 4 | 24500031 | F | RES FXD .25W 47 OHMS | | IN |
| 4 | 24500033 | F | RES FXD .25W 56 OHMS | | IN |
| 4 | 24500041 | F | RES FXD .25W 120 OHMS | | IN |
| 4 | 24500043 | F | RES FXD .25W 150 OHMS | | IN |
| 4 | 24500055 | F | RES FXD .25W 470 OHMS | | IN |
| 4 | 24500057 | F | RES FXD .25W 560 OHMS | | IN |
| 4 | 24500059 | F | RES FXD .25W 680 OHMS | | IN |
| 4 | 24501806 | J | WIRE ELECT SOLID COPPER 24 GA | | IN |
| 4 | 24553501 | S | DIODE SILICON PLANAR | | 034288 |
| 4 | 24561307 | F | CAP FIXED CERAMIC .1UF,25V | | IN |
| 4 | 24561900 | H | TRANSISTOR SILICON NPN,PLANAR | | IN |
| 4 | 24563700 | D | INSULATION SLEEVING HIGH TEMP | | IN |
| 4 | 63036800 | S | WIRE JUMPER | | IN |
| 4 | 63653000 | D | BOARD MASTER PC TYPE THA | | IN |
| 4 | 63653100 | D | BOARD MASTER PC TYPE THB | | IN |
| 3 | 52551700 | D | MODULE ASSY TYPE TL | N | IN |
| 4 | 17856602 | C | IDENT PLATE, LOGIC MOD TL | | IN |
| 4 | 20219900 | A | MODULE ASSY KIT | | IN |
| 4 | 18601200 | U | ROLLPIN 5/64 DIA COPPER | | IN |
| 5 | 18764000 | A | MODULE CAP ASSEMBLY | | IN |
| 5 | 17733602 | F | CAP MODULE | | IN |
| 5 | 18747000 | B | CONN RECEPTACLE TEST POINT | | IN |
| 5 | 24562600 | R | CONN. CARD RIGHT ANGLE 30 PIN | | IN |
| 4 | 24500031 | F | RES FXD .25W 47 OHMS | | IN |
| 4 | 24500033 | F | RES FXD .25W 56 OHMS | | IN |
| 4 | 24500041 | F | RES FXD .25W 120 OHMS | | IN |
| 4 | 24500055 | F | RES FXD .25W 470 OHMS | | IN |
| 4 | 24501806 | D | WIRE ELECT SOLID COPPER 24 GA | | IN |
| 4 | 24553501 | S | DIODE SILICON PLANAR | | 034288 |
| 4 | 24561307 | F | CAP FIXED CERAMIC .1UF,25V | | IN |
| 4 | 24561900 | H | TRANSISTOR SILICON NPN,PLANAR | | IN |
| 4 | 24563700 | D | INSULATION SLEEVING HIGH TEMP | | IN |
| 4 | 63036800 | S | WIRE JUMPER | | IN |
| 4 | 63653800 | D | BOARD MASTER PC TYPE TLA | | IN |
| 4 | 63653900 | D | BOARD MASTER PC TYPE TLB | | IN |
| 3 | 52562100 | D | MODULE ASSY TYPE HQ | N | IN |
| 4 | 17856298 | C | IDENT PLATE LOGIC MOD DW-HR | | IN |
| 4 | 20219900 | A | MODULE ASSY KIT | | IN |
| 5 | 18601200 | U | ROLLPIN 5/64 DIA COPPER | | IN |
| 5 | 18764000 | A | MODULE CAP ASSEMBLY | | IN |
| 5 | 17733602 | F | CAP MODULE | | IN |
| 5 | 18747000 | B | CONN RECEPTACLE TEST POINT | | IN |
| 5 | 24562600 | R | CONN. CARD RIGHT ANGLE 30 PIN | | IN |
| 4 | 24500031 | F | RES FXD .25W 47 OHMS | | IN |
| 4 | 24500033 | F | RES FXD .25W 56 OHMS | | IN |
| 4 | 24500037 | F | RES FXD .25W 82 OHMS | | 035202 |
| 4 | 24500039 | F | RES FXD .25W 100 OHMS | | IN |
| 4 | 24500041 | F | RES FXD .25W 120 OHMS | | IN |
| 4 | 24500043 | F | RES FXD .25W 150 OHMS | | IN |
| 4 | 24500055 | F | RES FXD .25W 470 OHMS | | IN |
| 4 | 24500057 | F | RES FXD .25W 560 OHMS | | IN |
| 4 | 24500059 | F | RES FXD .25W 680 OHMS | | IN |
| 4 | 24501806 | J | WIRE ELECT SOLID COPPER 24 GA | | IN |
| 4 | 24553501 | S | DIODE SILICON PLANAR | | 034288 |
| 4 | 24561307 | F | CAP FIXED CERAMIC .1UF,25V | | IN |

| 6683-D | 23065400 | B | SATELLITE COUPLER CHASSIS | | | |
|--------|----------|-----|--------------------------------|-------|--------|-----------|
| LEVEL | PART-NO | REV | DESCRIPTION | SPARE | ECO-NO | |
| 4 | 24561900 | H | TRANSISTOR SILICON NPN, PLANAR | | | IN |
| 4 | 24563700 | D | INSULATION SLEEVING HIGH TEMP | | | IN |
| 4 | 63036800 | S | WIRE JUMPER | | | IN |
| 4 | 63617400 | C | BOARD MASTER PC TYPE HQA | | | IN |
| 4 | 63617500 | C | BOARD MASTER PC TYPE HQB | | | IN |
| 2 | 22748000 | A | SATELLITE CPLR CHASSIS-WIRED | N | | IN |
| 3 | 20261809 | | LOGIC WIRING-SATELLITE | | | IN 044396 |
| 3 | 10125106 | C | HEXAGON MACHINE SCREW NUTS | N | | IN |
| 3 | 10125605 | D | PLAIN WASHERS | N | | IN |
| 3 | 10126103 | C | INTERNAL TOOTH LOCK WASHERS | N | | IN |
| 3 | 10126104 | C | INTERNAL TOOTH LOCK WASHERS | N | | IN |
| 3 | 10126214 | C | HEX SCH CAP SCR (1960SER) 4-40 | N | | IN |
| 3 | 10126400 | D | EXTERNAL TOOTH LOCK WASHERS | N | | IN |
| 3 | 10126401 | D | EXT TOOTH LOCK WASHERS NO.6 | N | | IN |
| 3 | 10126403 | D | EXT TOOTH LOCK WASHERS NO.10 | N | | IN |
| 3 | 10127103 | D | SCR MACH PAN PHL 4-40 | N | | IN |
| 3 | 10127110 | D | SCR MACH PAN PHL 4-40 | N | | IN |
| 3 | 10127111 | D | SCR MACH PAN PHL 6-32 | N | | IN |
| 3 | 10127112 | D | SCR MACH PAN PHL 6-32 | N | | IN |
| 3 | 10127123 | D | SCR MACH PAN PHL 8-32 | N | | IN |
| 3 | 10127141 | D | SCR MACH PAN PHL 10-32 | N | | IN |
| 3 | 10127144 | D | SCR MACH PAN PHL 10-32 | N | | IN |
| 3 | 11819100 | C | CHASSIS PWR AND GROUND WIRING | N | | IN |
| 3 | 17801700 | C | MEMBER, FRAME CHASSIS- L SIDE | N | | IN |
| 4 | 17778300 | C | EXTRUSION CHASSIS | | | IN |
| 4 | 17801900 | C | BAR, MOUNTING-CARD | N | | IN |
| 4 | 17805300 | C | SEAL RUBBER CONNECTOR | N | | IN |
| 4 | 17847400 | A | SEAL AIR LOWER | N | | IN |
| 4 | 17900200 | B | CLAMP BUS BAR | N | | IN |
| 4 | 17903500 | C | W LIST-PWR JMPRS SATELL. CPLR | N | | IN |
| 4 | 17743002 | N | LEAD ELECT 18 GA 5 IN RED | | | IN |
| 4 | 24500706 | N | PIN TAPER | | | IN 024206 |
| 4 | 24552337 | F | INS SLV, 5/8 LG 9 AWG CLR | | | IN 024206 |
| 4 | 93463222 | F | WIRE ELECTRICAL 18 AWG -2 | | | IN 024206 |
| 4 | 17743003 | N | LEAD ELECT 18 GA 5 IN BLUE | | | IN |
| 4 | 24500706 | N | PIN TAPER | | | IN 024206 |
| 4 | 24552337 | F | INS SLV, 5/8 LG 9 AWG CLR | | | IN 024206 |
| 4 | 93463666 | F | WIRE ELECTRICAL 18 AWG -5 | | | IN 024206 |
| 4 | 24500702 | N | PIN TAPER | | | IN 030437 |
| 4 | 24511440 | P | LEAD ELEC 24 GA 2.25 IN BLACK | | | IN |
| 4 | 24500707 | N | PIN TAPER | | | IN 024206 |
| 4 | 24548301 | M | WIRE ELEC 24 AWG - D | | | IN 024206 |
| 4 | 24511441 | P | LEAD ELEC 24 GA 2.25 IN RED | | | IN |
| 4 | 24500707 | N | PIN TAPER | | | IN 024206 |
| 4 | 24500802 | L | INSULATION SLEEVING ELECT | | | IN 024206 |
| 4 | 24548303 | M | WIRE ELEC STRD INS. UL APPD | | | IN 024206 |
| 4 | 24511442 | P | LEAD ELEC 24 GA 2.25 IN BLUE | | | IN 029005 |
| 4 | 24500707 | N | PIN TAPER | | | IN 024206 |
| 4 | 24500802 | L | INSULATION SLEEVING ELECT | | | IN 024206 |
| 4 | 24548307 | M | WIRE ELEC STRD INS. UL APPD | | | IN 024206 |
| 4 | 24552316 | H | INS SLV, 5/8 LG 8 AWG BLK | | | IN 030437 |
| 4 | 93463000 | D | WIRE ELECTRICAL 18 AWG -0 | | | IN 030437 |
| 3 | 17912702 | M | INSULATOR STRIP BUS BAR | N | | IN |
| 3 | 17925400 | G | MEMBER FR CHASSIS-RIGHT SIDE | N | | IN |
| 3 | 17778300 | C | EXTRUSION CHASSIS | | | IN |
| 3 | 17928300 | C | CLAMP BUS BAR | N | | IN |
| 3 | 17932700 | L | STRIP MARKER HORIZONTAL | N | | IN |
| 3 | 17932701 | L | STRIP MARKER HORIZONTAL | N | | IN |
| 3 | 18027900 | J | MOUNTING BAR RECEPTACLE | N | | IN |
| 3 | 17899000 | D | EXTRUSION MOUNTING BAR | | | IN |
| 3 | 18028000 | E | BUS BAR HORIZONTAL | N | | IN |
| 3 | 17899200 | J | AL ALLOY BAR EXTRUDED | | | IN |
| 3 | 18055000 | C | PANEL CONNECTOR | N | | IN |
| 3 | 18164200 | H | CAPACITOR FIXED ELECTRO 10V | N | | IN |
| 3 | 18279600 | C | JUMPER ASSY PWR-12 GAGE | N | | IN |
| 4 | 18070301 | A | PIN TAPER | | | IN |
| 4 | 24552318 | D | INS SLV, 5/8 LG 6 AWG BLK | | | IN 814036 |
| 4 | 93509000 | C | WIRE ELECTRICAL 12 AWG -0 | | | IN |
| 3 | 18279601 | C | JUMPER ASSY PWR-12 GAGE | N | | IN |
| 4 | 18070301 | A | PIN TAPER | | | IN |
| 4 | 24552318 | D | INS SLV, 5/8 LG 6 AWG BLK | | | IN 014036 |
| 4 | 93509222 | E | WIRE ELECTRICAL 12 AWG -2 | | | IN |
| 3 | 18279602 | C | JUMPER ASSY PWR-12 GAGE | N | | IN |
| 4 | 18070301 | A | PIN TAPER | | | IN |
| 4 | 24552318 | D | INS SLV, 5/8 LG 6 AWG BLK | | | IN 014036 |

6683-U

23065400 3 SATELLITE COUPLER CHASSIS

| LEVEL | PART-NO | REV | DESCRIPTION | SPARE | ECO-NO |
|-------|----------|-----|-------------------------------|-------|-----------|
| 4 | 93509666 | E | WIRE ELECTRICAL 12 AWG -0 | | IN |
| 3 | 18727008 | D | BAR SUPPORT LONG | N | IN |
| 3 | 18801100 | A | FILTER CAPACITOR ASSEMBLY | N | IN |
| 4 | 18786200 | B | CAPACITOR, FIXED CERAMIC DISC | | IN |
| 4 | 24500707 | N | PIN TAPER | | IN |
| 4 | 24528502 | M | INS SLEEVING, ELEC-BULK | | IN 021040 |
| 3 | 20261809 | | LOGIC WIRING-SATELLITE | | IN 044396 |
| 4 | 24511442 | P | LEAD ELEC 24 GA 2.25 IN BLUE | N | IN 035986 |
| 4 | 24500707 | N | PIN TAPER | | IN 024206 |
| 4 | 24500802 | L | INSULATION SLEEVING ELEC | | IN 024206 |
| 4 | 24548307 | M | WIRE ELEC STRD INS. UL APPD | | IN 024206 |
| 4 | 24561201 | Y | WIRE ELEC 3 IN WHITE/BLACK | N | IN 035986 |
| 4 | 24500707 | N | PIN TAPER | | IN 024347 |
| 4 | 24500802 | L | INSULATION SLEEVING ELEC | | IN 035131 |
| 4 | 24548301 | M | WIRE ELEC 24 AWG - 0 | | IN 024347 |
| 4 | 24548310 | M | WIRE ELEC STRD INS. UL APPD | | IN 035131 |
| 4 | 24561202 | Y | WIRE ELEC 5 IN WHITE/BLACK | N | IN 035986 |
| 4 | 24500707 | N | PIN TAPER | | IN 024347 |
| 4 | 24500802 | L | INSULATION SLEEVING ELEC | | IN 035131 |
| 4 | 24548301 | M | WIRE ELEC 24 AWG - 0 | | IN 024347 |
| 4 | 24548310 | M | WIRE ELEC STRD INS. UL APPD | | IN 035131 |
| 4 | 24561203 | Y | WIRE ELEC 7 IN WHITE/BLACK | N | IN 035986 |
| 4 | 24500707 | N | PIN TAPER | | IN 024347 |
| 4 | 24500802 | L | INSULATION SLEEVING ELEC | | IN 035131 |
| 4 | 24548301 | M | WIRE ELEC 24 AWG - 0 | | IN 024347 |
| 4 | 24548310 | M | WIRE ELEC STRD INS. UL APPD | | IN 035131 |
| 4 | 24561204 | Y | WIRE ELEC 9 IN WHITE/BLACK | N | IN 035986 |
| 4 | 24500707 | N | PIN TAPER | | IN 024347 |
| 4 | 24500802 | L | INSULATION SLEEVING ELEC | | IN 035131 |
| 4 | 24548301 | M | WIRE ELEC 24 AWG - 0 | | IN 024347 |
| 4 | 24548310 | M | WIRE ELEC STRD INS. UL APPD | | IN 024714 |
| 4 | 24561205 | Y | WIRE ELEC 11 IN WHITE/BLACK | N | IN 035986 |
| 4 | 24500707 | N | PIN TAPER | | IN 024347 |
| 4 | 24500802 | L | INSULATION SLEEVING ELEC | | IN 035131 |
| 4 | 24548301 | M | WIRE ELEC 24 AWG - 0 | | IN 024347 |
| 4 | 24548310 | M | WIRE ELEC STRD INS. UL APPD | | IN 035131 |
| 4 | 24561206 | Y | WIRE ELEC 13 IN WHITE/BLACK | N | IN 035986 |
| 4 | 24500707 | N | PIN TAPER | | IN 024347 |
| 4 | 24500802 | L | INSULATION SLEEVING ELEC | | IN 035131 |
| 4 | 24548301 | M | WIRE ELEC 24 AWG - 0 | | IN 024347 |
| 4 | 24548310 | M | WIRE ELEC STRD INS. UL APPD | | IN 035131 |
| 4 | 24561207 | Y | WIRE ELEC 15 IN WHITE/BLACK | N | IN 035986 |
| 4 | 24500707 | N | PIN TAPER | | IN 024347 |
| 4 | 24500802 | L | INSULATION SLEEVING ELEC | | IN 035131 |
| 4 | 24548301 | M | WIRE ELEC 24 AWG - 0 | | IN 024347 |
| 4 | 24548310 | M | WIRE ELEC STRD INS. UL APPD | | IN 035131 |
| 4 | 24561208 | Y | WIRE ELEC 17 IN WHITE/BLACK | N | IN 035986 |
| 4 | 24500707 | N | PIN TAPER | | IN 024347 |
| 4 | 24500802 | L | INSULATION SLEEVING ELEC | | IN 035131 |
| 4 | 24548301 | M | WIRE ELEC 24 AWG - 0 | | IN 024347 |
| 4 | 24548310 | M | WIRE ELEC STRD INS. UL APPD | | IN 024714 |
| 4 | 24561209 | Y | WIRE ELEC 19 IN WHITE/BLACK | N | IN 035986 |
| 4 | 24500707 | N | PIN TAPER | | IN 024347 |
| 4 | 24500802 | L | INSULATION SLEEVING ELEC | | IN 035131 |
| 4 | 24548301 | M | WIRE ELEC 24 AWG - 0 | | IN 024347 |
| 4 | 24548310 | M | WIRE ELEC STRD INS. UL APPD | | IN 024714 |
| 4 | 24561220 | Y | WIRE ELEC 41 IN WHITE/BLACK | N | IN 035986 |
| 4 | 24500707 | N | PIN TAPER | | IN 024347 |
| 4 | 24500802 | L | INSULATION SLEEVING ELEC | | IN 035131 |
| 4 | 24548301 | M | WIRE ELEC 24 AWG - 0 | | IN 024347 |
| 4 | 24548310 | M | WIRE ELEC STRD INS. UL APPD | | IN 035131 |
| 4 | 24561222 | Y | WIRE ELEC 45 IN WHITE/BLACK | N | IN 035986 |
| 4 | 24500707 | N | PIN TAPER | | IN 024347 |
| 4 | 24500802 | L | INSULATION SLEEVING ELEC | | IN 035131 |
| 4 | 24548301 | M | WIRE ELEC 24 AWG - 0 | | IN 024347 |
| 4 | 24548310 | M | WIRE ELEC STRD INS. UL APPD | | IN 035131 |
| 4 | 24561227 | Y | WIRE ELEC 55 IN WHITE/BLACK | N | IN |
| 4 | 24500707 | N | PIN TAPER | | IN 024347 |
| 4 | 24500802 | L | INSULATION SLEEVING ELEC | | IN 035131 |
| 4 | 24548301 | M | WIRE ELEC 24 AWG - 0 | | IN 024347 |
| 4 | 24548310 | M | WIRE ELEC STRD INS. UL APPD | | IN 035131 |
| 4 | 24561230 | Y | WIRE ELEC 108 IN WHITE/BLACK | N | IN |
| 4 | 24500707 | N | PIN TAPER | | IN 024347 |
| 4 | 24500802 | L | INSULATION SLEEVING ELEC | | IN 035131 |
| 4 | 24548301 | M | WIRE ELEC 24 AWG - 0 | | IN 024347 |
| 4 | 24548310 | M | WIRE ELEC STRD INS. UL APPD | | IN 035131 |

6683-D

23065400 B SATELLITE COUPLER CHASSIS

L E V E L

PART-NO REV

DESCRIPTION

SPARE

ECO-NO

| LEVEL | PART-NO | REV | DESCRIPTION | SPARE | ECO-NO |
|-------|----------|-----|--------------------------------|-------|-----------|
| 4 | 24528640 | M | INS SLEEVING, ELEC-BULK | | IN 034959 |
| 4 | 24567000 | J | CABLE, COAXIAL, 19 CONDUCTOR | | IN 029902 |
| 3 | 52751400 | B | WASHER SPACER | N | IN |
| 3 | 53161165 | B | JUMPER-BRAIDED GROUND ASSEMBLY | N | IN |
| 4 | 13487200 | D | TERMINAL, PRESSURE SCREW | N | IN 030101 |
| 4 | 24528639 | M | INS SLEEVING, ELEC-BULK | N | IN 030101 |
| 4 | 24534811 | E | SHIELD ELECT BRAIDED-BULK | N | IN 030101 |
| 3 | 53702800 | B | W/L CONT PANEL ASSY SHIWRING | N | IN |
| 4 | 24500707 | N | PIN TAPER | N | IN |
| 4 | 24500810 | L | INSULATION SLEEVING ELECT | N | IN |
| 4 | 24523002 | A | SWITCH PUSH SPST | N | IN |
| 4 | 31000334 | B | WIRE, 24GA TWIST, PR. BL-W/YE | N | IN |
| 4 | 53702900 | A | PANEL CONTROL | N | IN |
| 2 | 30001201 | K | RESISTOR, ASSEMBLY TERMINATOR | N | IN 035066 |
| 3 | 17655610 | F | WIRE TEFLON TYPE E TFE INSUL | | IN 022985 |
| 3 | 17655611 | F | WIRE TEFLON TYPE E TFE INSUL | | IN 022985 |
| 3 | 17655612 | F | WIRE TEFLON TYPE E TFE INSUL | | IN 022985 |
| 3 | 17655613 | F | WIRE TEFLON TYPE E TFE INSUL | | IN 022985 |
| 3 | 17655614 | F | WIRE TEFLON TYPE E TFE INSUL | | IN 022985 |
| 3 | 17655615 | F | WIRE TEFLON TYPE E TFE INSUL | | IN 022985 |
| 3 | 17655616 | F | WIRE TEFLON TYPE E TFE INSUL | | IN 022985 |
| 3 | 17655617 | F | WIRE TEFLON TYPE E TFE INSUL | | IN 022985 |
| 3 | 17655618 | F | WIRE TEFLON TYPE E TFE INSUL | | IN 022985 |
| 3 | 17655619 | F | WIRE TEFLON TYPE E TFE INSUL | | IN 022985 |
| 3 | 24501806 | O | WIRE ELECT SOLID COPPER 24 GA | | IN 022779 |
| 4 | 24554901 | J | ENCLOSURE TERMINATOR ASSY. | | IN 022779 |
| 4 | 00854100 | A | KNOB, CABINET | | IN 022515 |
| 4 | 09002006 | C | SCR MACH RD PHL H NO. 8 | | IN 022515 |
| 4 | 09021701 | A | NO. 4 SCR, SET CUPPED PT SCH | | IN 022515 |
| 4 | 10126104 | C | INTERNAL TOOTH LOCK WASHERS | | IN 022515 |
| 4 | 30000403 | S | CONNECTOR PLUG ELEC TERM | | IN 025153 |
| 4 | 30001300 | C | WASHER FLAT | | IN 022515 |
| 4 | 30001400 | B | PLATE MOUNTING RESISTOR ASSY | | IN 022515 |
| 4 | 30001900 | C | SHIELD ELECTRICAL CONNECTOR | | IN 022515 |
| 3 | 30113701 | F | SHIELD RESISTOR ASSY | | IN 022515 |
| 3 | 30095400 | F | TERMINATION STRIP | | IN 022779 |
| 2 | 52347700 | A | 6/7000/CYBER PER. A-B-CCA3.GND | N | IN |
| 3 | 52675001 | R | COAXIAL CABLE WITH CONN 75 FT | N | IN |
| 3 | 17620307 | H | STRAP CABLE ADJUSTABLE | | IN 035466 |
| 3 | 17944061 | E | LABEL CABLE LENGTH MARKING | | IN 027468 |
| 3 | 18752802 | H | CONN BODY, HOOD ASSY, 20 POS | | IN 026130 |
| 3 | 18752811 | H | SINGLE PIECE CONTACT - COAX | | IN 029902 |
| 3 | 18874300 | B | MARKER, IDENT-CABLE STRAP | | IN 027468 |
| 3 | 24500707 | N | PIN TAPER | | IN 029902 |
| 3 | 24500802 | L | INSULATION SLEEVING ELECT | | IN 033767 |
| 3 | 24528640 | M | INS SLEEVING, ELEC-BULK | | IN 034959 |
| 3 | 24567000 | J | CABLE, COAXIAL, 19 CONDUCTOR | | IN 029902 |

APPENDIX A

CHASSIS TABS

CABLE TABS

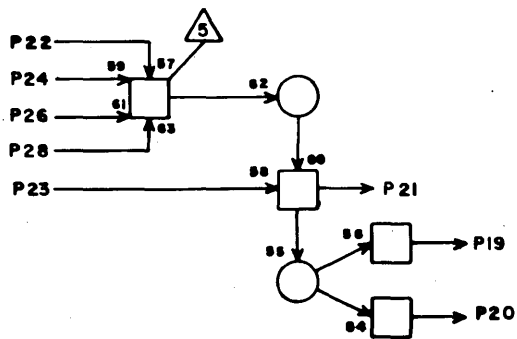
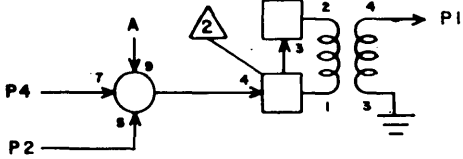
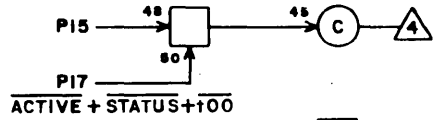
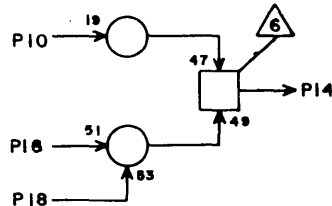
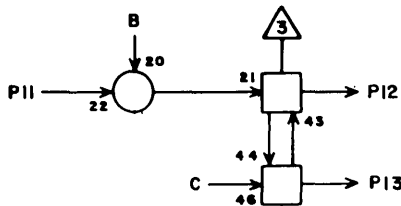
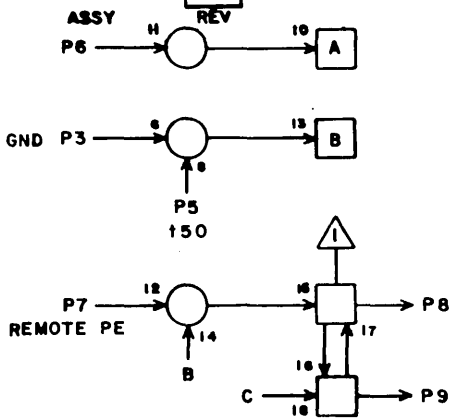
CHASSIS TABS

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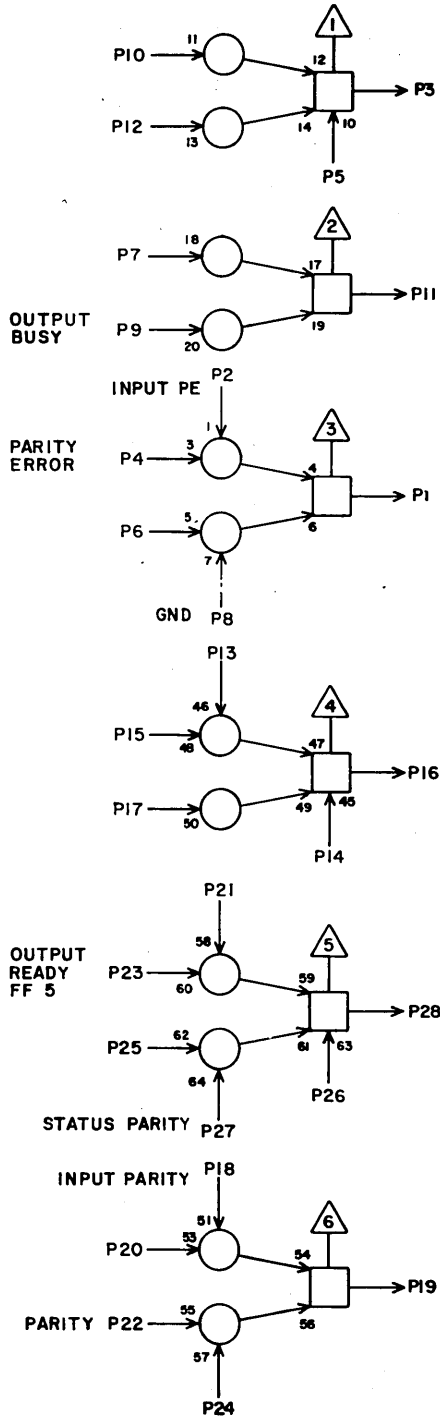
| | | | |
|----|-----|----|----|
| 1 | | | |
| 2 | | | |
| 3 | GND | | 2 |
| 4 | | | |
| 5 | D7 | 8 | 15 |
| 6 | | | |
| 7 | A7 | 18 | 9 |
| 8 | E3 | 24 | 17 |
| 9 | | | |
| 10 | | | |
| 11 | B04 | 4 | 9 |
| 12 | E08 | 15 | 19 |
| 13 | | | |
| 14 | | | |
| 15 | | | |
| 16 | | | |
| 17 | A4 | 25 | 7 |
| 18 | | | |
| 19 | | | |
| 20 | | | |
| 21 | | | |
| 22 | | | |
| 23 | | | |
| 24 | | | |
| 25 | | | |
| 26 | | | |
| 27 | E4 | 13 | 17 |
| 28 | | | |

JACK PIN LG

CIRCUIT SPECIFICATION 11827600

LS 52549700
ASSY

E
REV



QH

A02

| | | | |
|----|-----|----|----|
| 1 | A4 | 15 | 7 |
| 2 | A3 | 12 | 5 |
| 3 | | | |
| 4 | A5 | 11 | 7 |
| 5 | | | |
| 6 | A3 | 26 | 5 |
| 7 | E4 | 9 | 17 |
| 8 | GND | | |
| 9 | B12 | 20 | 13 |
| 10 | | | |
| 11 | A05 | 18 | 7 |
| 12 | | | |
| 13 | | | |
| 14 | | | |
| 15 | | | |
| 16 | | | |
| 17 | | | |
| 18 | A3 | 2 | 5 |
| 19 | A24 | 24 | 5 |
| 20 | E2 | 25 | 17 |
| 21 | A4 | 22 | 5 |
| 22 | B1 | 27 | 7 |
| 23 | D5 | 5 | 13 |
| 24 | A7 | 16 | 9 |
| 25 | A8 | 22 | 9 |
| 26 | A7 | 20 | 9 |
| 27 | E2 | 15 | 15 |
| 28 | D3 | 11 | 13 |

JACK PIN LG

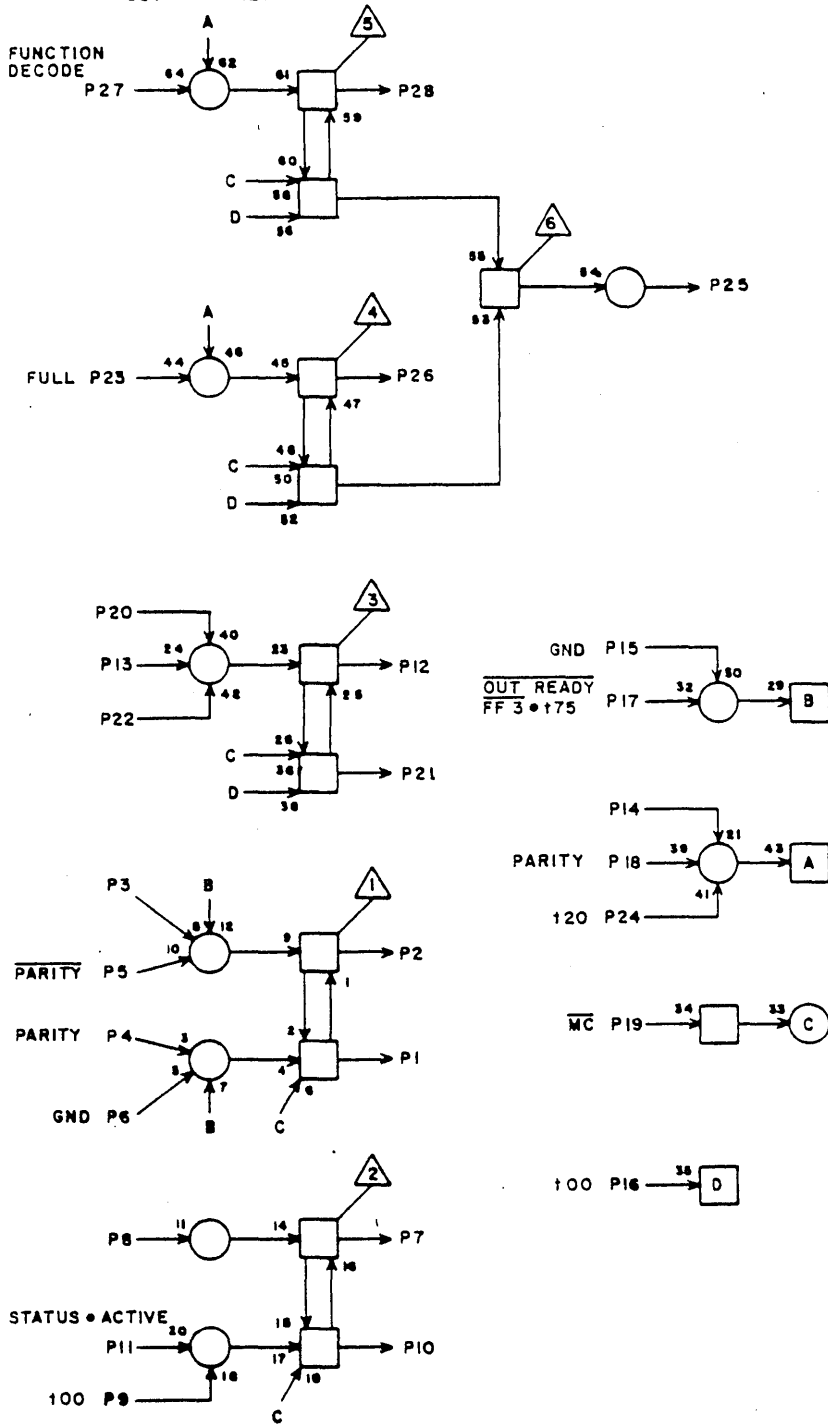
CIRCUIT SPECIFICATION 11827600

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A03



| | | | |
|----|-----|----|----|
| 1 | B1 | 24 | 9 |
| 2 | A2 | 18 | 5 |
| 3 | GND | | 2 |
| 4 | A5 | 19 | 7 |
| 5 | A5 | 22 | 5 |
| 6 | GND | | 2 |
| 7 | A7 | 25 | 9 |
| 8 | A4 | 19 | 5 |
| 9 | D6 | 12 | 15 |
| 10 | D2 | 24 | 15 |
| 11 | C1 | 19 | 11 |
| 12 | A2 | 2 | 5 |
| 13 | D1 | 17 | 13 |
| 14 | C1 | 8 | 11 |
| 15 | GND | | 2 |
| 16 | D6 | 2 | 13 |
| 17 | C1 | 16 | 11 |
| 18 | C2 | 21 | 11 |
| 19 | D5 | 19 | 13 |
| 20 | B7 | 20 | 9 |
| 21 | | | |
| 22 | B1 | 21 | 7 |
| 23 | D2 | 18 | 13 |
| 24 | A7 | 19 | 41 |
| 25 | C1 | 2 | 45 |
| 26 | A2 | 6 | 5 |
| 27 | E2 | 19 | 15 |
| 28 | D2 | 15 | 11 |

JACK PIN LG

CIRCUIT SPEC

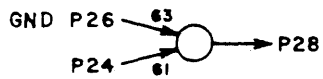
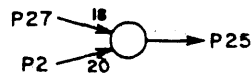
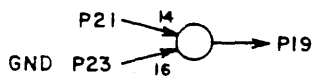
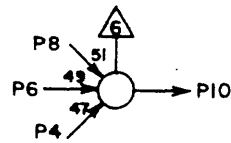
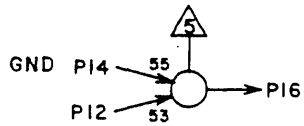
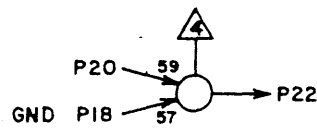
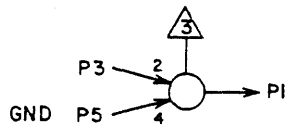
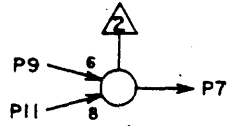
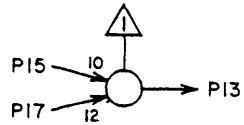
11827600

LS 18060300
ASSY

D
REV.

TR

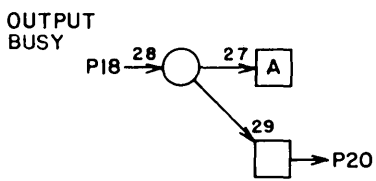
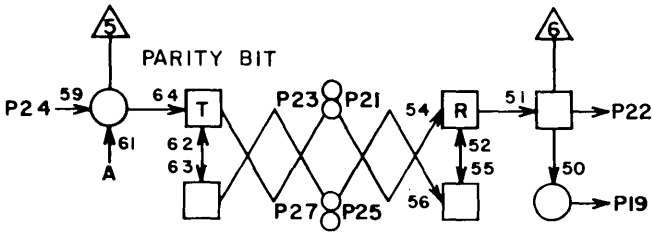
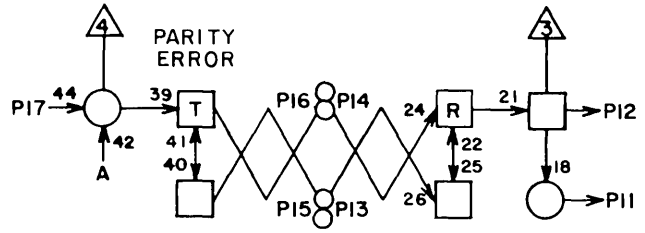
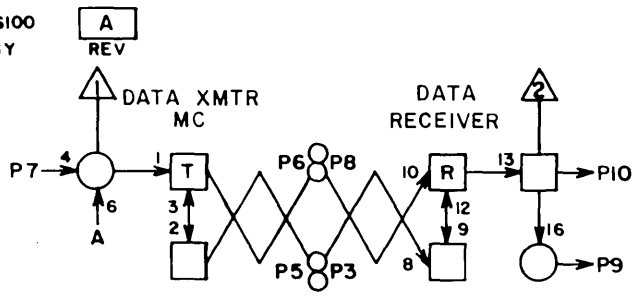
A04



| | | | |
|----|------|-----|----|
| 1 | B07 | 27 | 11 |
| 2 | C01 | 15 | 11 |
| 3 | D04 | 27 | 15 |
| 4 | C09 | 8 | 13 |
| 5 | GND | | 2 |
| 6 | B03 | 14 | 7 |
| 7 | E09 | 2 | 17 |
| 8 | A04 | 16 | 5 |
| 9 | B06 | 9 | 7 |
| 10 | E04 | 6 | 17 |
| 11 | B06 | 17 | 41 |
| 12 | A06 | 20 | 5 |
| 13 | A04 | 21 | 5 |
| 14 | GND | | 2 |
| 15 | A02 | 1 | 7 |
| 16 | A04 | 8 | 5 |
| 17 | C01 | 6 | 11 |
| 18 | GND | | 2 |
| 19 | A03 | 8 | 5 |
| 20 | D08 | 28 | 15 |
| 21 | A04 | 13 | 5 |
| 22 | A02 | 21 | 5 |
| 23 | GND | | 2 |
| 24 | A02 | 19 | 5 |
| 25 | A01 | 17 | 7 |
| 26 | GND | | 2 |
| 27 | E12 | 7 | 19 |
| 28 | D02 | 23 | 13 |
| | JACK | PIN | LG |

CIRCUIT SPECIFICATION 11827000

LS17876100
ASSY



NOTES:

1. REFERENCE DRAWINGS:
17876500 LOGIC SCHEMATIC ZT
17876300 LOGIC SCHEMATIC ZR
2. THIS CIRCUIT IS A COMBINATION OF CIRCUITS ZR & ZT.
3. THE BASE RESISTORS ON TRANSISTOR 6, 42, & 61 ARE 150 OHMS.
4. THERE ARE ONLY TWO FILTER CAPACITORS. ONE BETWEEN +6V AND GROUND AND ONE BETWEEN -6V AND GROUND.

ZS

A05

| | | | |
|----|-----|----|-----|
| 1 | | | |
| 2 | | | |
| 3 | 1A1 | E8 | |
| 4 | | | |
| 5 | 1A2 | E8 | |
| 6 | 1A1 | E7 | |
| 7 | E04 | 5 | 17 |
| 8 | 1A2 | E7 | |
| 9 | D05 | 26 | 120 |
| 10 | D02 | 21 | 45 |
| 11 | A02 | 4 | 7 |
| 12 | A07 | 2 | 5 |
| 13 | 1A1 | E4 | |
| 14 | 1A1 | E3 | |
| 15 | 1A2 | E4 | |
| 16 | 1A2 | E3 | |
| 17 | D02 | 22 | 15 |
| 18 | A02 | 11 | 7 |
| 19 | A03 | 4 | 7 |
| 20 | | | |
| 21 | 1A1 | E5 | |
| 22 | A03 | 5 | 5 |
| 23 | 1A2 | E5 | |
| 24 | D02 | 6 | 13 |
| 25 | 1A1 | E6 | |
| 26 | | | |
| 27 | 1A2 | E6 | |
| 28 | | | |

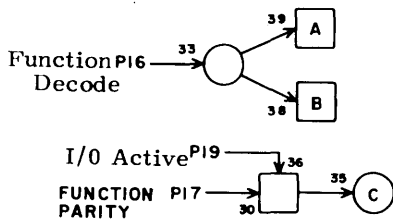
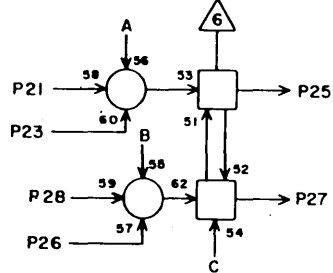
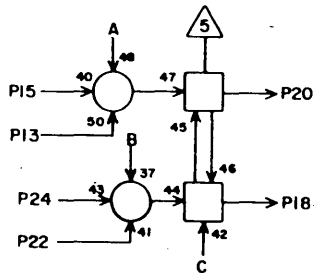
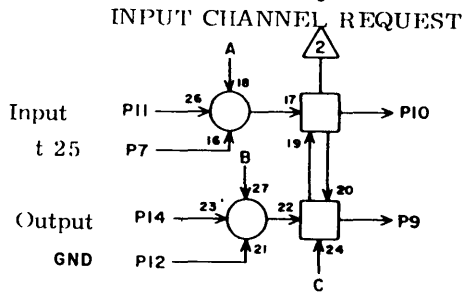
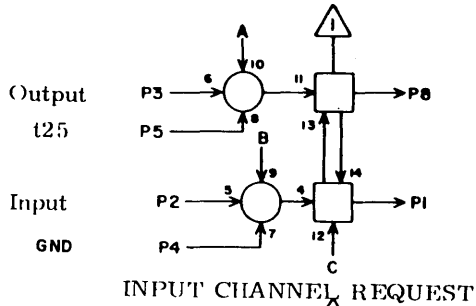
JACK PIN LG
60440900 A

LS 63040400
ASSY

C
REV

OUTPUT CHANNEL REQUEST: FF1 AE

A06



| | | | |
|----|-----|----|----|
| 1 | A8 | 27 | 5 |
| 2 | B6 | 12 | 7 |
| 3 | B6 | 7 | 5 |
| 4 | Gnd | | 2 |
| 5 | D6 | 20 | 13 |
| 6 | | | |
| 7 | D6 | 18 | 13 |
| 8 | C4 | 13 | 11 |
| 9 | A7 | 1 | 3 |
| 10 | | | |
| 11 | B6 | 4 | 5 |
| 12 | Gnd | | 2 |
| 13 | D08 | 16 | 13 |
| 14 | B6 | 8 | 5 |
| 15 | D06 | 8 | 13 |
| 16 | E02 | 21 | 17 |
| 17 | D02 | 17 | 45 |
| 18 | | | |
| 19 | B6 | 15 | 5 |
| 20 | A4 | 12 | 5 |
| 21 | | | |
| 22 | | | |
| 23 | | | |
| 24 | B03 | 20 | 7 |
| 25 | | | |
| 26 | | | |
| 27 | | | |
| 28 | | | |

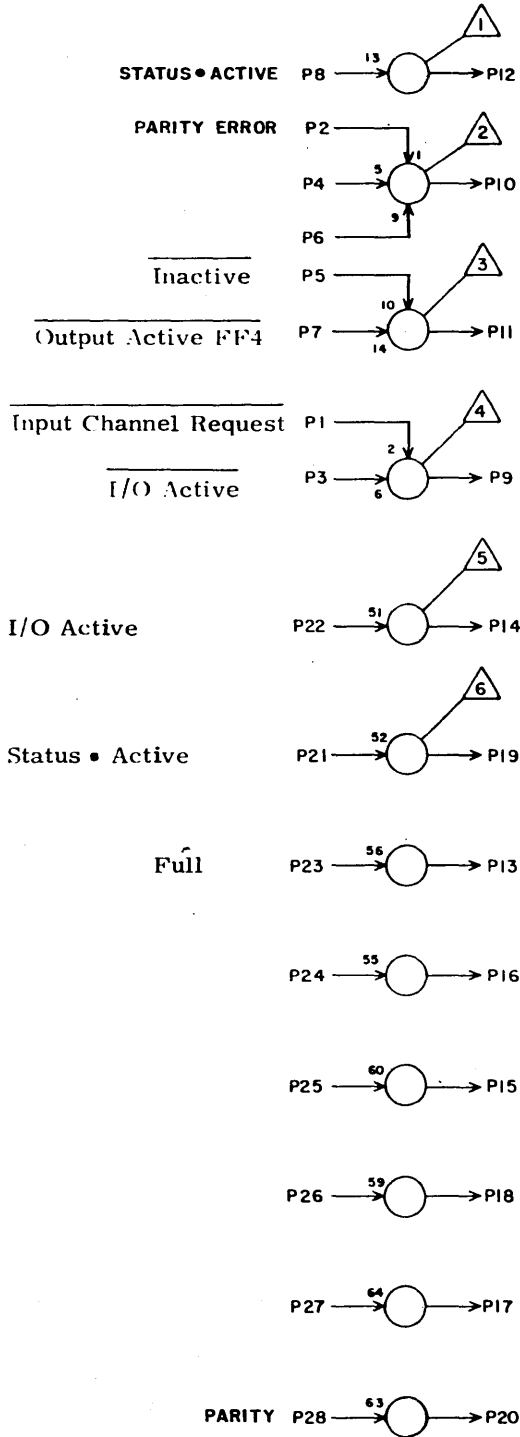
JACK PIN LG
CIRCUIT SPECIFICATION 11627600
60440900 A

LS 63064400
ASSY

REV

TL

A07

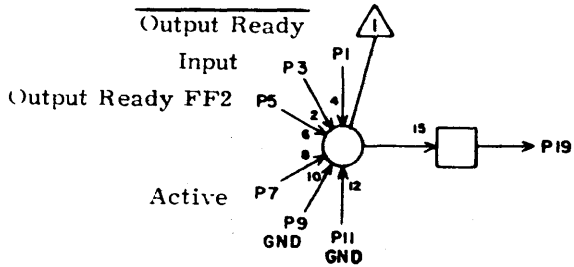


| | | | |
|----|-----|----|----|
| 1 | A6 | 9 | 3 |
| 2 | A05 | 12 | 5 |
| 3 | B6 | 22 | 7 |
| 4 | C01 | 10 | 13 |
| 5 | C10 | 25 | 11 |
| 6 | A07 | 15 | 5 |
| 7 | B05 | 27 | 96 |
| 8 | C01 | 17 | 13 |
| 9 | A12 | 27 | 9 |
| 10 | A07 | 26 | 5 |
| 11 | B08 | 9 | 5 |
| 12 | E09 | 14 | 17 |
| 13 | E09 | 26 | 15 |
| 14 | B05 | 15 | 7 |
| 15 | A07 | 6 | 5 |
| 16 | A02 | 24 | 9 |
| 17 | A12 | 9 | 9 |
| 18 | A01 | 7 | 9 |
| 19 | A03 | 24 | 9 |
| 20 | A02 | 26 | 9 |
| 21 | E10 | 7 | 17 |
| 22 | B08 | 25 | 7 |
| 23 | D11 | 17 | 13 |
| 24 | E02 | 27 | 19 |
| 25 | A03 | 7 | 9 |
| 26 | A07 | 10 | 5 |
| 27 | A10 | 25 | 5 |
| 28 | D03 | 19 | 13 |

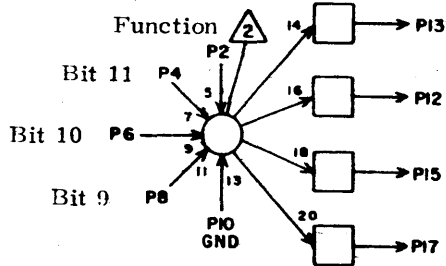
JACK PIN LG
CIRCUIT SPECIFICATION 11827600

INPUT REQUEST

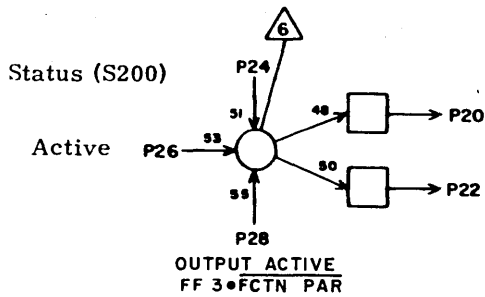
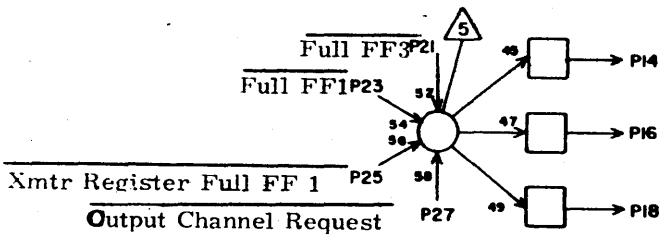
T8



FUNCTION DECODE



INPUT + BUFFER + XMTR REGISTERS FULL + OUTPUT CHANNEL REQUEST



| | | | |
|----|-----|----|----|
| 1 | E4 | 8 | 17 |
| 2 | C9 | 5 | 9 |
| 3 | B6 | 2 | 7 |
| 4 | C11 | 6 | 9 |
| 5 | A9 | 9 | 3 |
| 6 | C11 | 8 | 9 |
| 7 | B6 | 23 | 7 |
| 8 | C11 | 23 | 11 |
| 9 | Gnd | | 2 |
| 10 | Gnd | | 2 |
| 11 | Gnd | | 2 |
| 12 | E9 | 17 | 12 |
| 13 | B8 | 13 | 5 |
| 14 | C4 | 22 | 11 |
| 15 | B8 | 14 | 5 |
| 16 | | | |
| 17 | E02 | 24 | 19 |
| 18 | | | |
| 19 | A12 | 12 | 7 |
| 20 | E9 | 25 | 15 |
| 21 | B4 | 20 | 9 |
| 22 | A02 | 25 | 9 |
| 23 | B8 | 1 | 5 |
| 24 | B6 | 13 | 5 |
| 25 | A10 | 19 | 5 |
| 26 | B6 | 19 | 5 |
| 27 | A6 | 1 | 5 |
| 28 | C01 | 11 | 13 |

JACK PIN LG
CIRCUIT SPECIFICATION 11827600

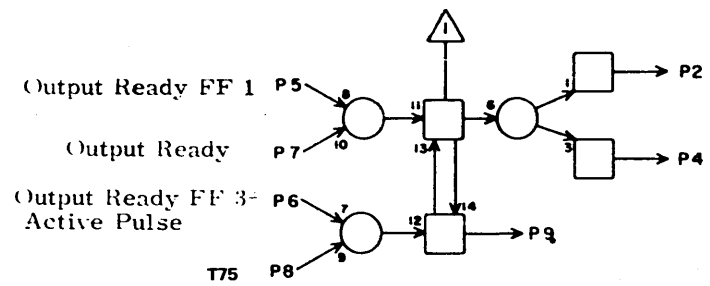
LS 63040000
ASSY

D
REV

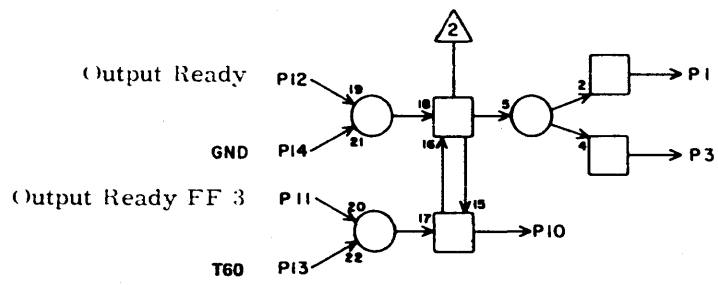
OUTPUT READY FF 2

AA

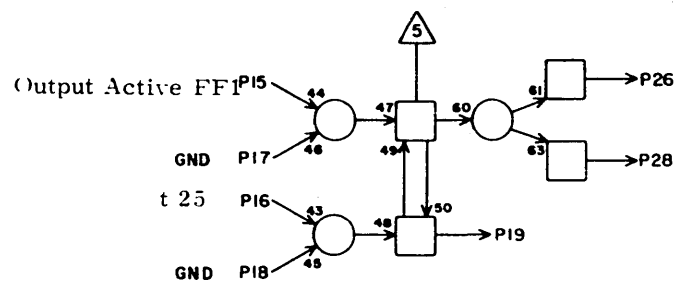
A9



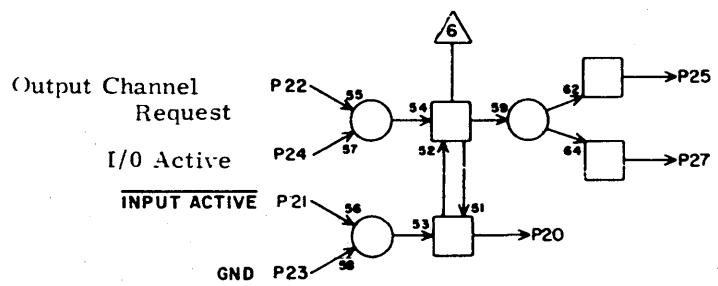
OUTPUT READY FF 1



OUTPUT ACTIVE FF 2



STATUS (XXX4): OUTPUT BUSY



| | | | |
|----|-----|----|----|
| 1 | A9 | 5 | 3 |
| 2 | D4 | 23 | 15 |
| 3 | | | |
| 4 | A10 | 11 | 7 |
| 5 | A9 | 1 | 3 |
| 6 | E9 | 11 | 15 |
| 7 | A11 | 28 | 5 |
| 8 | E12 | 4 | 15 |
| 9 | A8 | 5 | 3 |
| 10 | B5 | 7 | 9 |
| 11 | E4 | 2 | 17 |
| 12 | E4 | 14 | 17 |
| 13 | D07 | 10 | 65 |
| 14 | Gnd | | 2 |
| 15 | B5 | 10 | 9 |
| 16 | D6 | 21 | 13 |
| 17 | Gnd | | 2 |
| 18 | Gnd | | 2 |
| 19 | | | |
| 20 | | | |
| 21 | A11 | 13 | 5 |
| 22 | B6 | 16 | 7 |
| 23 | Gnd | | 2 |
| 24 | B5 | 20 | 7 |
| 25 | E03 | 12 | 17 |
| 26 | | | |
| 27 | B9 | 18 | 5 |
| 28 | E9 | 13 | 15 |

JACK PIN LG
CIRCUIT SPECIFICATION 11827600

LS 62040000
ASSY

D
REV

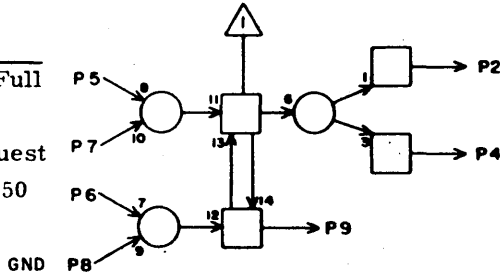
INPUT REQUEST

AA

A10

Xntr Register Full
FF 2

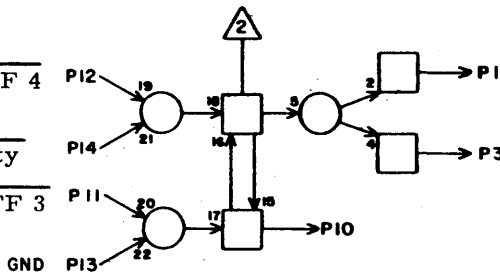
Input Request
t 50



Output Ready FF 4

Empty

Output Active FF 3

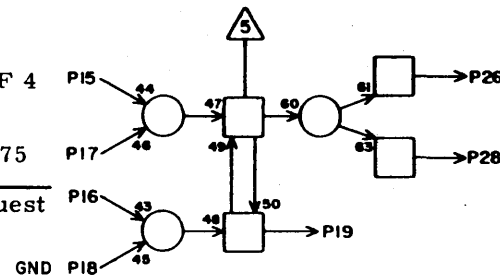


XMTR REGISTER FULL FF 1

Full FF 4

t 75

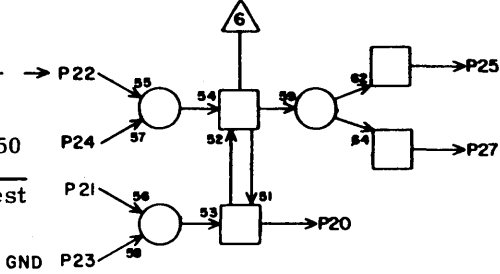
Input Request



XMTR REGISTER FULL FF 2

t 50

Input Request



| | | | |
|----|-----|----|----|
| 1 | B5 | 14 | 9 |
| 2 | D4 | 3 | 13 |
| 3 | | | |
| 4 | | | |
| 5 | A10 | 20 | 3 |
| 6 | D7 | 7 | 13 |
| 7 | A11 | 23 | 3 |
| 8 | Gnd | | 2 |
| 9 | | | |
| 10 | | | |
| 11 | A09 | 4 | 7 |
| 12 | E4 | 18 | 17 |
| 13 | Gnd | | 2 |
| 14 | C10 | 11 | 9 |
| 15 | B4 | 19 | 9 |
| 16 | B4 | 9 | 9 |
| 17 | D7 | 27 | 13 |
| 18 | Gnd | | 2 |
| 19 | A8 | 25 | 5 |
| 20 | A10 | 5 | 3 |
| 21 | B4 | 5 | 9 |
| 22 | A10 | 26 | 3 |
| 23 | Gnd | | 2 |
| 24 | D7 | 4 | 11 |
| 25 | A07 | 27 | 5 |
| 26 | A10 | 22 | 3 |
| 27 | | | |
| 28 | B5 | 4 | 7 |

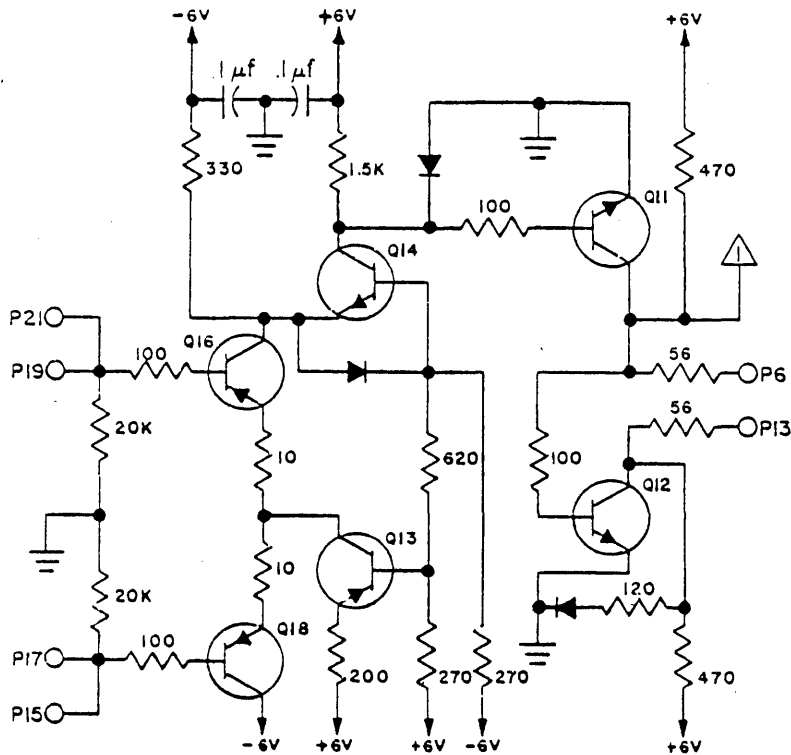
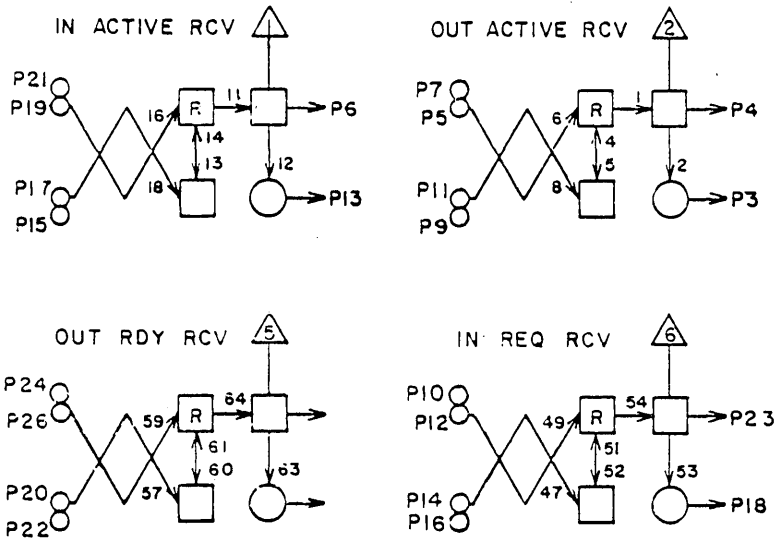
JACK PIN LG
CIRCUIT SPECIFICATION 11827800

S17876300
ASSY



ZR

A11



6682/83 COUPLER

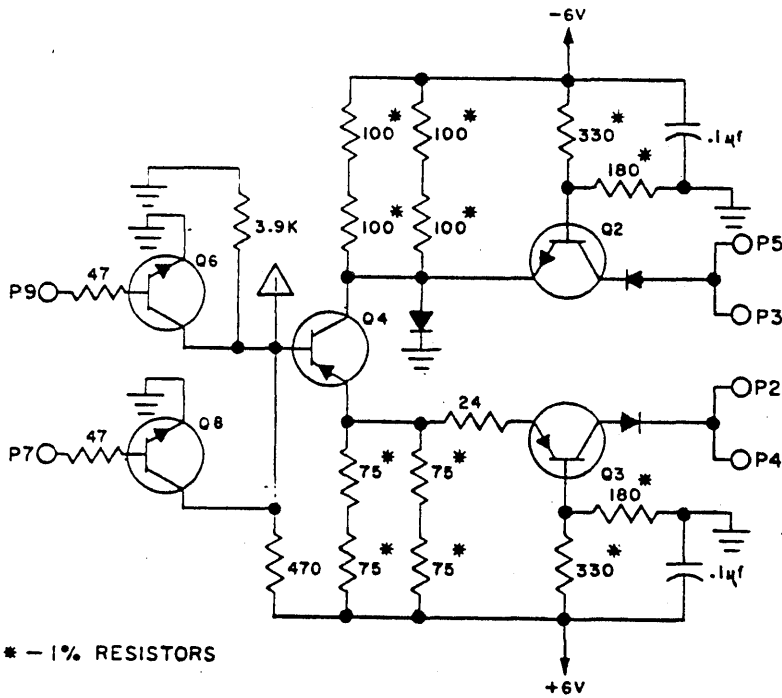
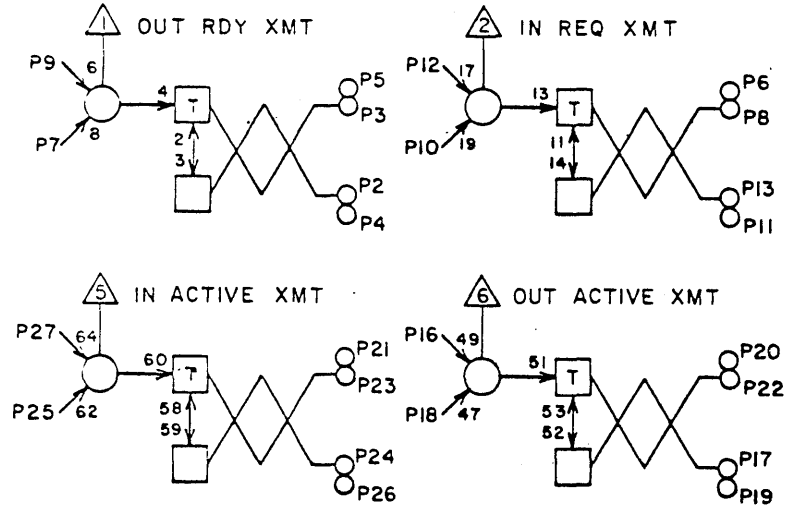
| | | | |
|----|------|-----|----|
| 1 | | | |
| 2 | | | |
| 3 | B5 | 12 | 11 |
| 4 | E4 | 28 | 19 |
| 5 | 1A2 | C5 | |
| 6 | E3 | 5 | 19 |
| 7 | 1A1 | C7 | |
| 8 | | | |
| 9 | 1A2 | C6 | |
| 10 | 1A1 | D9 | |
| 11 | 1A1 | C8 | |
| 12 | 1A2 | D7 | |
| 13 | A9 | 21 | 5 |
| 14 | 1A1 | D10 | |
| 15 | 1A2 | C10 | |
| 16 | 1A2 | D8 | |
| 17 | 1A1 | D2 | |
| 18 | B4 | 6 | 11 |
| 19 | 1A2 | C9 | |
| 20 | 1A1 | D6 | |
| 21 | 1A1 | D1 | |
| 22 | 1A2 | D4 | |
| 23 | A10 | 7 | 3 |
| 24 | 1A1 | D5 | |
| 25 | E4 | 1 | 15 |
| 26 | 1A2 | D3 | |
| 27 | | | |
| 28 | A9 | 7 | 5 |
| | JACK | PIN | LG |

LSI7876500
ASSY

REV

ZT

A12



| | | | |
|----|-----|-----|----|
| 1 | | | |
| 2 | 1A1 | D4 | |
| 3 | 1A2 | D5 | |
| 4 | 1A2 | D6 | |
| 5 | 1A1 | D3 | |
| 6 | 1A1 | D7 | |
| 7 | Gnd | | 2 |
| 8 | 1A2 | D9 | |
| 9 | A7 | 17 | 9 |
| 10 | Gnd | | 2 |
| 11 | 1A2 | D10 | |
| 12 | A8 | 19 | 7 |
| 13 | 1A1 | D8 | |
| 14 | | | |
| 15 | | | |
| 16 | B6 | 20 | 15 |
| 17 | 1A1 | C6 | |
| 18 | Gnd | | 2 |
| 19 | 1A2 | C8 | |
| 20 | 1A1 | C5 | |
| 21 | 1A1 | C9 | |
| 22 | 1A2 | C7 | |
| 23 | 1A2 | D1 | |
| 24 | 1A1 | C10 | |
| 25 | C4 | 18 | 13 |
| 26 | 1A2 | D2 | |
| 27 | A07 | 9 | 9 |
| 28 | | | |

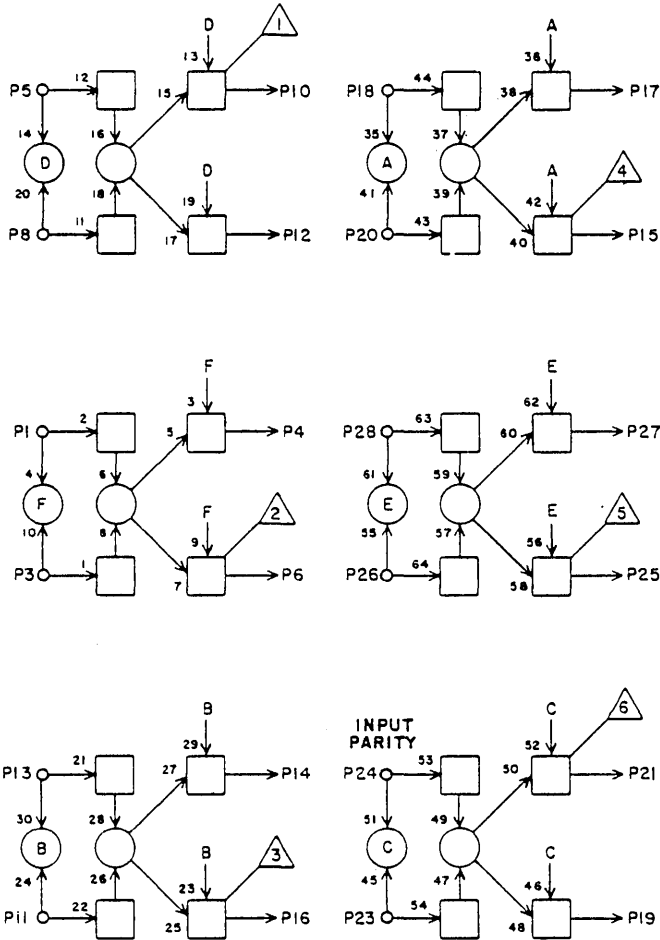
JACK P1-I LG

LS 52543500
ASSY

C
REV

AB

B1



| | | | |
|----|----|----|---|
| 1 | B2 | 16 | 5 |
| 2 | | | |
| 3 | B2 | 15 | 5 |
| 4 | | | |
| 5 | B2 | 10 | 5 |
| 6 | B1 | 20 | 5 |
| 7 | | | |
| 8 | B2 | 6 | 5 |
| 9 | | | |
| 10 | B1 | 18 | 5 |
| 11 | B2 | 21 | 5 |
| 12 | | | |
| 13 | B2 | 25 | 5 |
| 14 | | | |
| 15 | B1 | 26 | 5 |
| 16 | B1 | 28 | 5 |
| 17 | | | |
| 18 | B1 | 10 | 5 |
| 19 | | | |
| 20 | B1 | 6 | 5 |
| 21 | A3 | 22 | 7 |
| 22 | | | |
| 23 | B1 | 25 | 3 |
| 24 | A3 | 1 | 9 |
| 25 | B1 | 23 | 3 |
| 26 | B1 | 15 | 5 |
| 27 | A2 | 22 | 7 |
| 28 | B1 | 16 | 5 |

JACK PIN LG

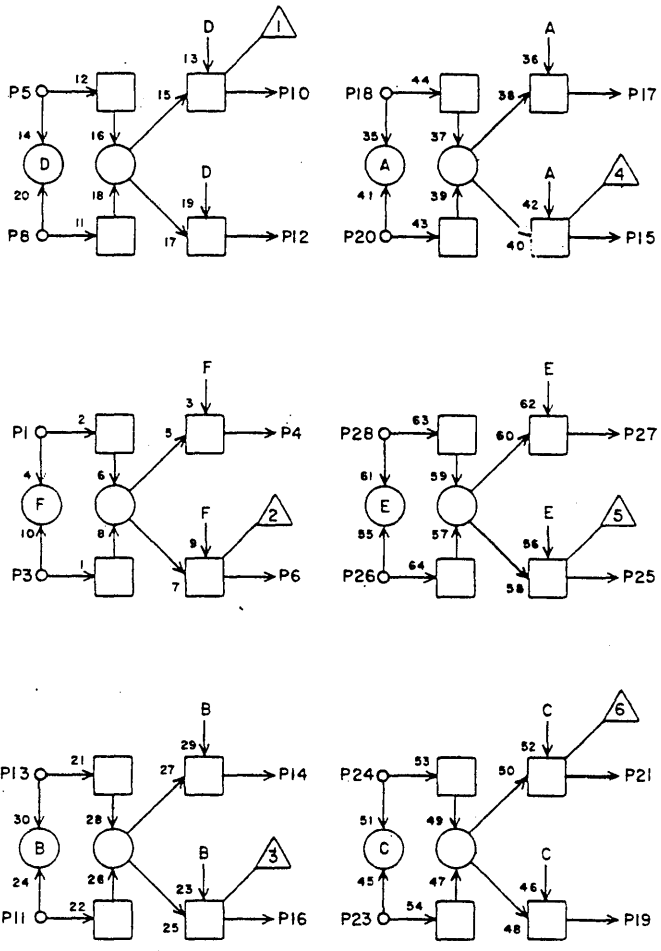
CIRCUIT SPECIFICATION 11827600

LS 52543500
ASSY

C
REV

AB

B2



6683-D COUPLER

| | | | |
|----|-----|----|----|
| 1 | B12 | 9 | 13 |
| 2 | | | |
| 3 | B11 | 19 | 13 |
| 4 | | | |
| 5 | B12 | 19 | 15 |
| 6 | B1 | 8 | 5 |
| 7 | | | |
| 8 | B12 | 11 | 15 |
| 9 | | | |
| 10 | B1 | 5 | 5 |
| 11 | B11 | 9 | 13 |
| 12 | | | |
| 13 | B11 | 11 | 13 |
| 14 | | | |
| 15 | B1 | 3 | 5 |
| 16 | B1 | 1 | 5 |
| 17 | | | |
| 18 | B10 | 19 | 11 |
| 19 | | | |
| 20 | B10 | 11 | 13 |
| 21 | B1 | 11 | 5 |
| 22 | | | |
| 23 | B9 | 9 | 11 |
| 24 | B9 | 11 | 11 |
| 25 | B1 | 13 | 5 |
| 26 | B9 | 19 | 11 |
| 27 | | | |
| 28 | B10 | 9 | 13 |

JACK PIN LG

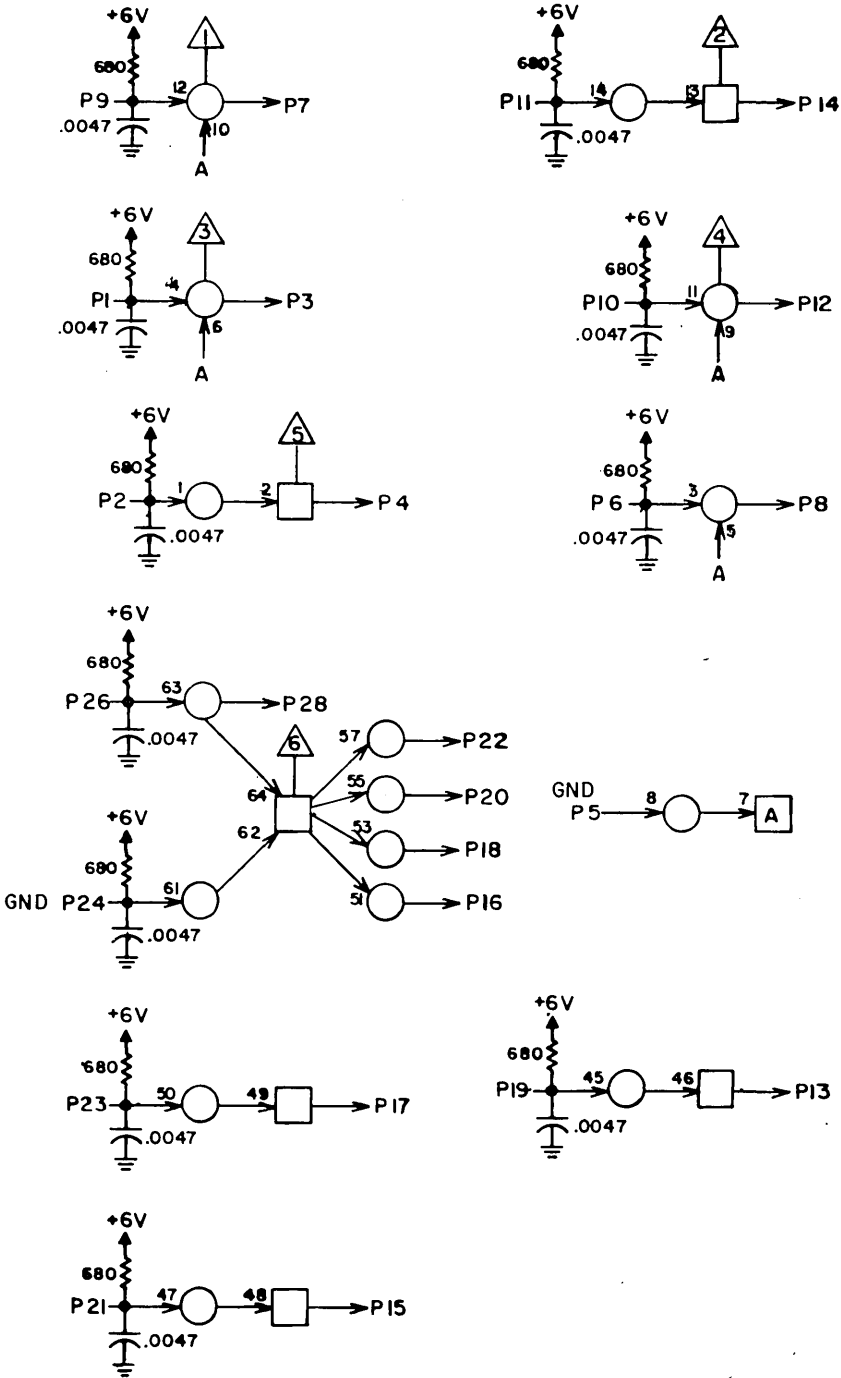
CIRCUIT SPECIFICATION I1827600

LS 18430000 E

V 66

B03

ASSY REV



| | | | |
|----|-----|----|---|
| 1 | | | |
| 2 | | | |
| 3 | | | |
| 4 | | | |
| 5 | GND | | 2 |
| 6 | | | |
| 7 | | | |
| 8 | | | |
| 9 | | | |
| 10 | | | |
| 11 | | | |
| 12 | | | |
| 13 | | | |
| 14 | A04 | 6 | 7 |
| 15 | | | |
| 16 | | | |
| 17 | | | |
| 18 | | | |
| 19 | | | |
| 20 | A06 | 24 | 7 |
| 21 | | | |
| 22 | | | |
| 23 | | | |
| 24 | GND | | 2 |
| 25 | | | |
| 26 | | | |
| 27 | | | |
| 28 | | | |

JACK PIN LG

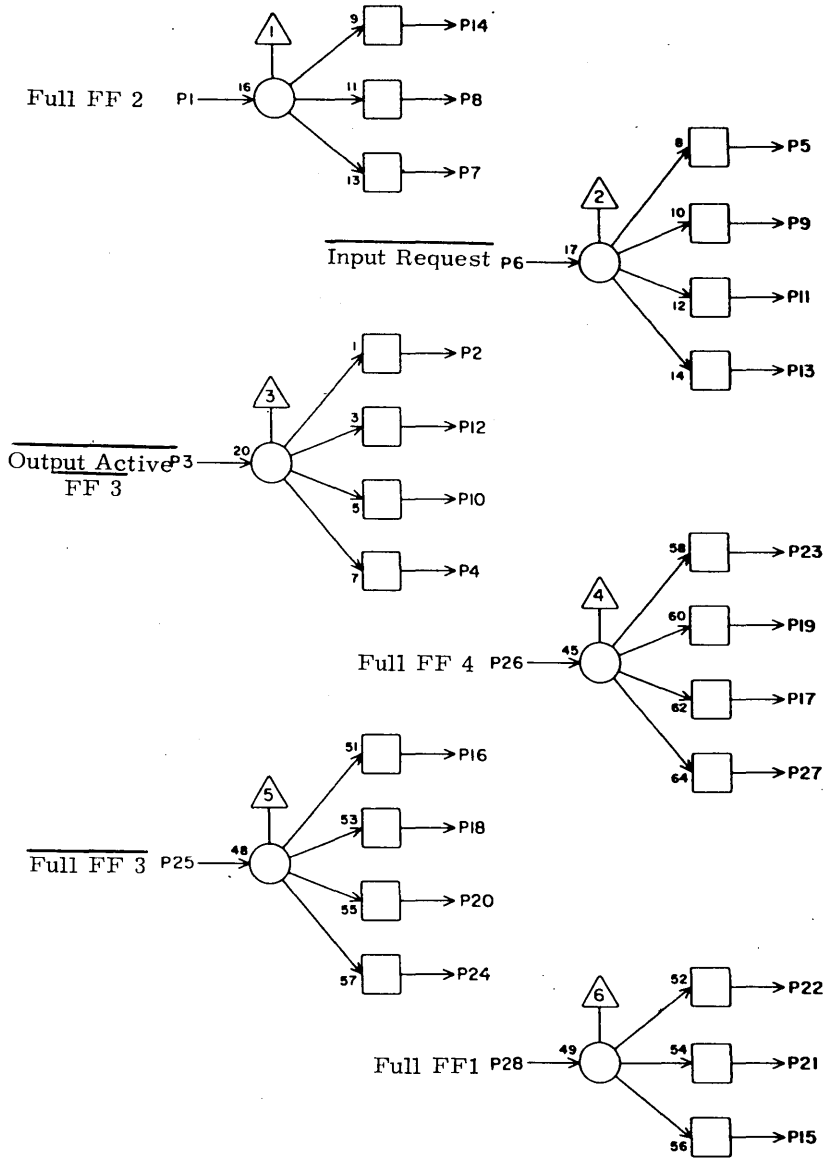
CIRCUIT SPECIFICATION 11827600
52000021

LS 63064000
ASSY

C
REV

TH

B4



| | | | |
|----|-----|----|----|
| 1 | B5 | 8 | 3 |
| 2 | B5 | 28 | 5 |
| 3 | D4 | 18 | 9 |
| 4 | A01 | 11 | 9 |
| 5 | A10 | 21 | 9 |
| 6 | A11 | 18 | 11 |
| 7 | C4 | 21 | 7 |
| 8 | B7 | 3 | 5 |
| 9 | A10 | 16 | 9 |
| 10 | | | |
| 11 | | | |
| 12 | | | |
| 13 | | | |
| 14 | B8 | 4 | 7 |
| 15 | | | |
| 16 | B7 | 28 | 5 |
| 17 | | | |
| 18 | D4 | 2 | 7 |
| 19 | A10 | 15 | 9 |
| 20 | A8 | 21 | 9 |
| 21 | B5 | 5 | 5 |
| 22 | B7 | 26 | 5 |
| 23 | B7 | 1 | 5 |
| 24 | B8 | 6 | 7 |
| 25 | C4 | 27 | 5 |
| 26 | D4 | 8 | 7 |
| 27 | B5 | 2 | 5 |
| 28 | B8 | 2 | 7 |

JACK PIN LG
CIRCUIT SPECIFICATION 11827600

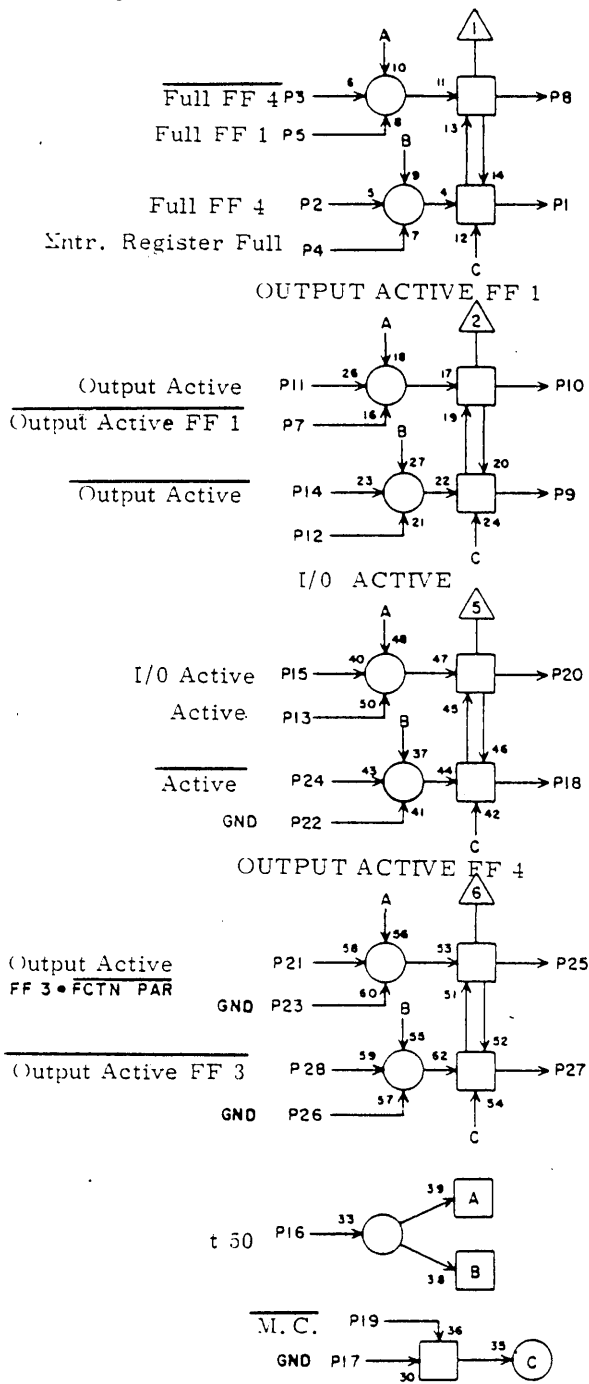
LS 63040400
ASSY

C
REV

FULL FF 2

AE

B5



| | | | |
|----|-----|----|----|
| 1 | C4 | 28 | 7 |
| 2 | B4 | 27 | 5 |
| 3 | D4 | 1 | 9 |
| 4 | A10 | 28 | 7 |
| 5 | B4 | 21 | 5 |
| 6 | | | |
| 7 | A9 | 10 | 9 |
| 8 | B4 | 1 | 3 |
| 9 | E9 | 15 | 13 |
| 10 | A9 | 15 | 9 |
| 11 | E4 | 21 | 13 |
| 12 | A11 | 3 | 11 |
| 13 | B6 | 27 | 3 |
| 14 | A10 | 1 | 9 |
| 15 | A07 | 14 | 7 |
| 16 | D7 | 6 | 9 |
| 17 | Gnd | | 2 |
| 18 | B6 | 28 | 3 |
| 19 | D5 | 23 | 9 |
| 20 | A9 | 24 | 7 |
| 21 | C01 | 9 | 45 |
| 22 | Gnd | | 2 |
| 23 | Gnd | | 2 |
| 24 | B8 | 10 | 7 |
| 25 | D4 | 24 | 9 |
| 26 | Gnd | | 2 |
| 27 | A07 | 7 | 7 |
| 28 | B4 | 2 | 5 |

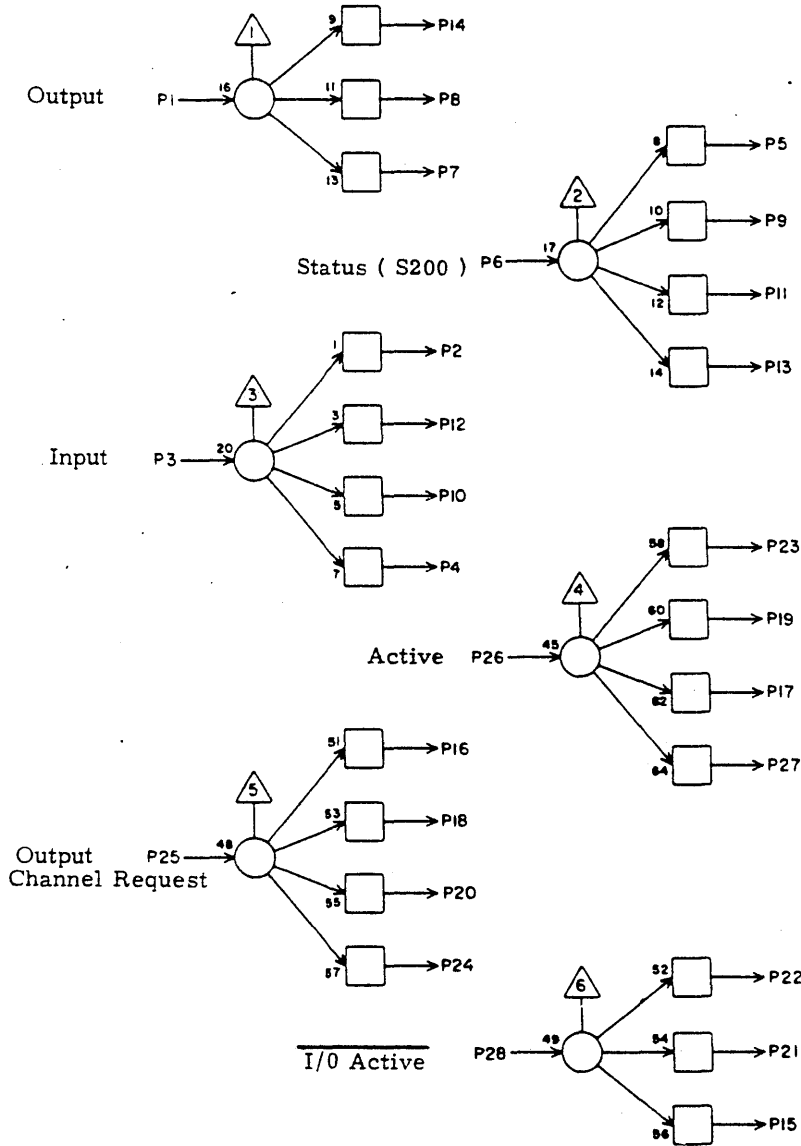
JACK PIN LG
CIRCUIT SPECIFICATION 11827600

LS 63064000
ASSY

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TH

B6



| | | | |
|----|-----|----|----|
| 1 | B8 | 28 | 5 |
| 2 | A8 | 3 | 7 |
| 3 | B8 | 26 | 5 |
| 4 | A6 | 11 | 5 |
| 5 | C01 | 28 | 11 |
| 6 | B8 | 12 | |
| 7 | A6 | 3 | 5 |
| 8 | A6 | 14 | 5 |
| 9 | A04 | 9 | 7 |
| 10 | D5 | 3 | 9 |
| 11 | | | |
| 12 | A6 | 2 | 7 |
| 13 | A8 | 24 | 5 |
| 14 | B8 | 17 | 5 |
| 15 | A6 | 19 | 5 |
| 16 | A9 | 22 | 7 |
| 17 | A04 | 11 | 41 |
| 18 | | | |
| 19 | A8 | 26 | 5 |
| 20 | A12 | 16 | 15 |
| 21 | C4 | 24 | 7 |
| 22 | A7 | 3 | 7 |
| 23 | A8 | 7 | 7 |
| 24 | | | |
| 25 | C4 | 20 | 7 |
| 26 | B8 | 7 | 5 |
| 27 | B5 | 13 | 3 |
| 28 | B5 | 18 | 3 |

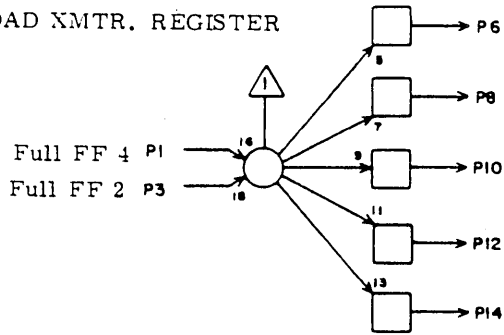
JACK PIN LG
CIRCUIT SPECIFICATION 11827800

LS 63063600 C
 ASSY REV

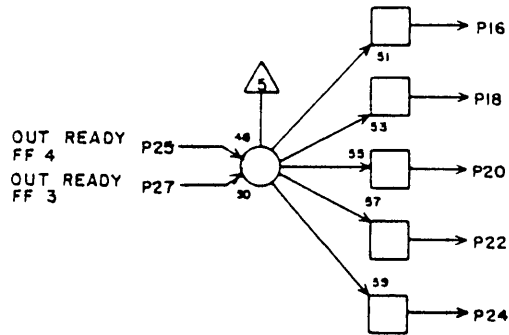
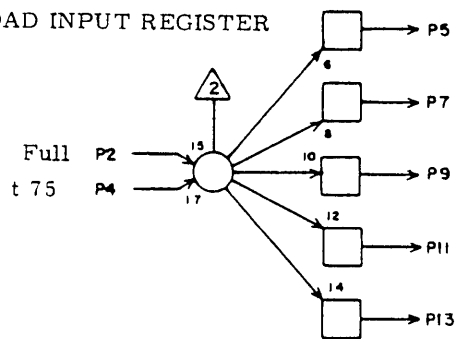
TD

B7

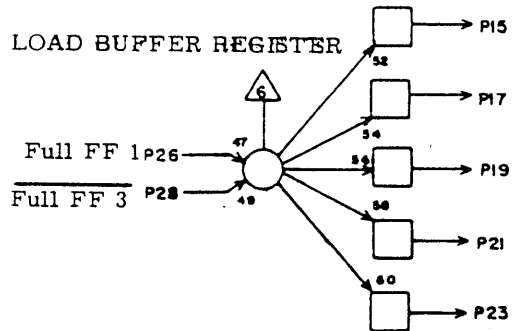
LOAD XMTR. REGISTER



LOAD INPUT REGISTER



LOAD BUFFER REGISTER



| | | | |
|----|-----|----|----|
| 1 | B4 | 23 | 5 |
| 2 | C10 | 5 | 7 |
| 3 | B4 | 8 | 7 |
| 4 | D7 | 25 | 11 |
| 5 | C5 | 5 | 7 |
| 6 | C5 | 27 | 7 |
| 7 | C6 | 5 | 5 |
| 8 | C6 | 27 | 7 |
| 9 | C7 | 5 | 5 |
| 10 | C7 | 27 | 7 |
| 11 | C8 | 5 | 5 |
| 12 | C8 | 27 | 7 |
| 13 | D02 | 13 | 13 |
| 14 | D02 | 2 | 11 |
| 15 | C5 | 22 | 5 |
| 16 | D02 | 27 | 13 |
| 17 | C6 | 22 | 5 |
| 18 | | | |
| 19 | C7 | 22 | 5 |
| 20 | A03 | 20 | 9 |
| 21 | C8 | 22 | 5 |
| 22 | | | |
| 23 | D05 | 1 | 9 |
| 24 | | | |
| 25 | E04 | 17 | 13 |
| 26 | B4 | 22 | 5 |
| 27 | A04 | 1 | 11 |
| 28 | B4 | 16 | 5 |

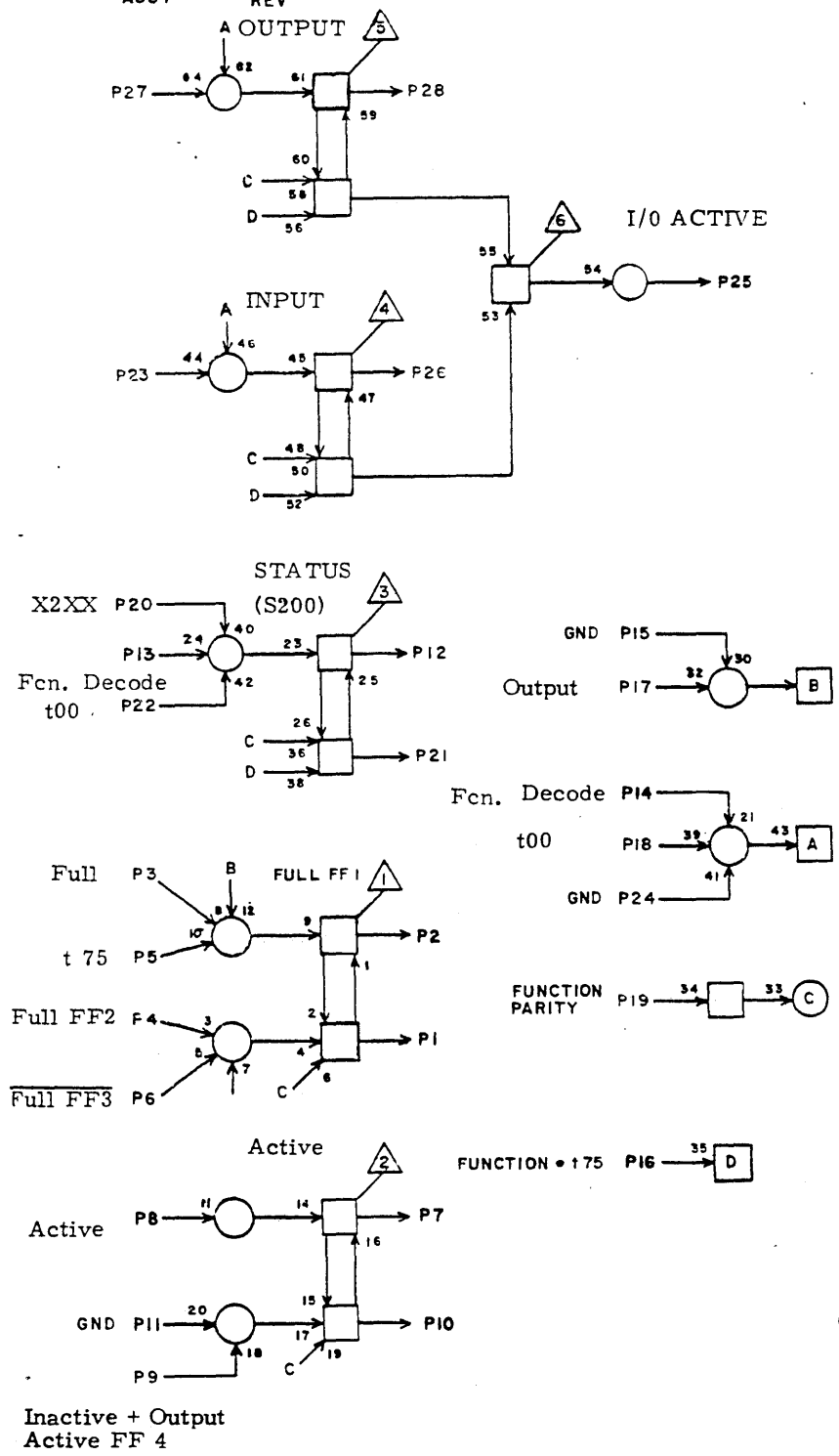
JACK PIN LG
 CIRCUIT SPECIFICATION 11827600

LS 17660000
ASSY

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REV

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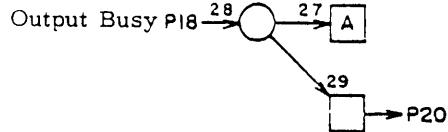
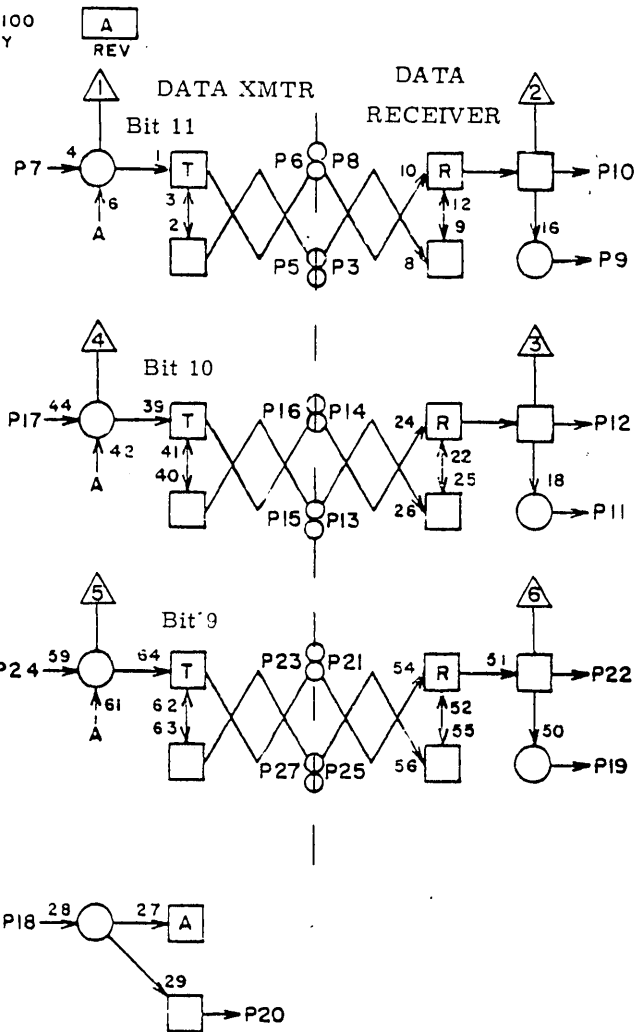
B8



| | | | |
|----|-----|----|----|
| 1 | A8 | 23 | 5 |
| 2 | B4 | 28 | 7 |
| 3 | C10 | 7 | 3 |
| 4 | B4 | 14 | 5 |
| 5 | D7 | 23 | 11 |
| 6 | B4 | 24 | 7 |
| 7 | B6 | 26 | 5 |
| 8 | C10 | 18 | 7 |
| 9 | A07 | 11 | 5 |
| 10 | B5 | 24 | 7 |
| 11 | Gnd | | 2 |
| 12 | B6 | 6 | 5 |
| 13 | A8 | 13 | 5 |
| 14 | A8 | 15 | 5 |
| 15 | Gnd | | 2 |
| 16 | D1 | 12 | 13 |
| 17 | B6 | 14 | 5 |
| 18 | D6 | 15 | 9 |
| 19 | D2 | 19 | 13 |
| 20 | D8 | 9 | 9 |
| 21 | | | |
| 22 | D6 | 7 | 7 |
| 23 | D8 | 13 | 9 |
| 24 | Gnd | | 2 |
| 25 | A07 | 22 | 7 |
| 26 | B6 | 3 | 5 |
| 27 | D8 | 15 | 9 |
| 28 | B6 | 1 | 5 |

JACK PIN LG
CIRCUIT SPEC
11827600

LS 17876100
ASSY



NOTES:

1. REFERENCE DRAWINGS:
17876500 LOGIC SCHEMATIC ZT
17876300 LOGIC SCHEMATIC ZR
2. THIS CIRCUIT IS A COMBINATION OF CIRCUITS ZR & ZT.
3. THE BASE RESISTORS ON TRANSISTOR 6, 42, & 61 ARE 150 OHMS.
4. THERE ARE ONLY TWO FILTER CAPACITORS. ONE BETWEEN +6V AND GROUND AND ONE BETWEEN -6V AND GROUND.

ZS

B9

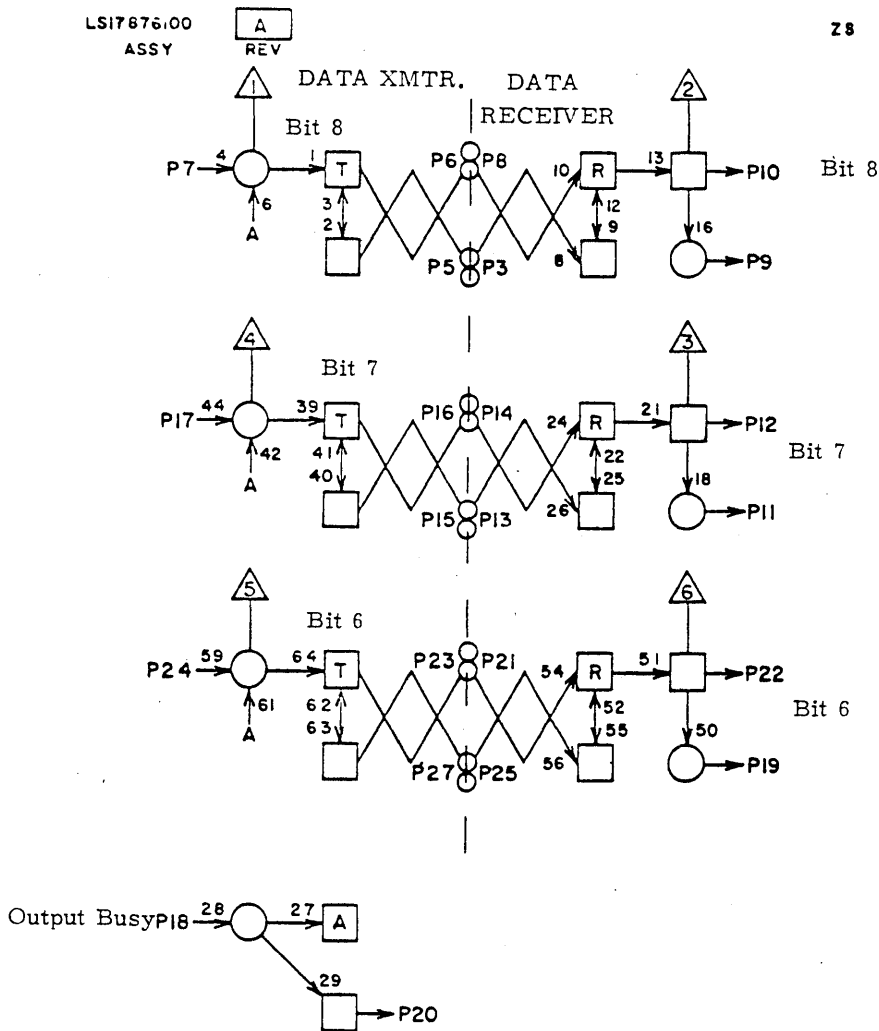
| | | | |
|----|-----|-----|----|
| 1 | -6V | | |
| 2 | | | |
| 3 | 1A1 | C4 | |
| 4 | | | |
| 5 | 1A2 | C4 | |
| 6 | 1A1 | C3 | |
| 7 | C5 | 9 | 7 |
| 8 | 1A2 | C3 | |
| 9 | B2 | 23 | 11 |
| 10 | E5 | 8 | 13 |
| 11 | B2 | 24 | 11 |
| 12 | E5 | 5 | 13 |
| 13 | 1A1 | C2 | |
| 14 | 1A1 | C1 | |
| 15 | 1A2 | C2 | |
| 16 | 1A2 | C1 | |
| 17 | C5 | 3 | 7 |
| 18 | A9 | 27 | 5 |
| 19 | B02 | 26 | 11 |
| 20 | B10 | 18 | 3 |
| 21 | 1A1 | B9 | |
| 22 | E5 | 12 | 13 |
| 23 | 1A2 | B9 | |
| 24 | C5 | 1 | 7 |
| 25 | 1A1 | B10 | |
| 26 | | | |
| 27 | 1A2 | B10 | |
| 28 | | | |

JACK PIN LG

LS17876.00
ASSY

Z8

B10



NOTES:

1. REFERENCE DRAWINGS:
17876500 LOGIC SCHEMATIC ZT
17876300 LOGIC SCHEMATIC ZR
2. THIS CIRCUIT IS A COMBINATION OF CIRCUITS ZR & ZT.
3. THE BASE RESISTORS ON TRANSISTOR 6, 42, & 61 ARE 150 OHMS.
4. THERE ARE ONLY TWO FILTER CAPACITORS. ONE BETWEEN +6V AND GROUND AND ONE BETWEEN -6V AND GROUND.

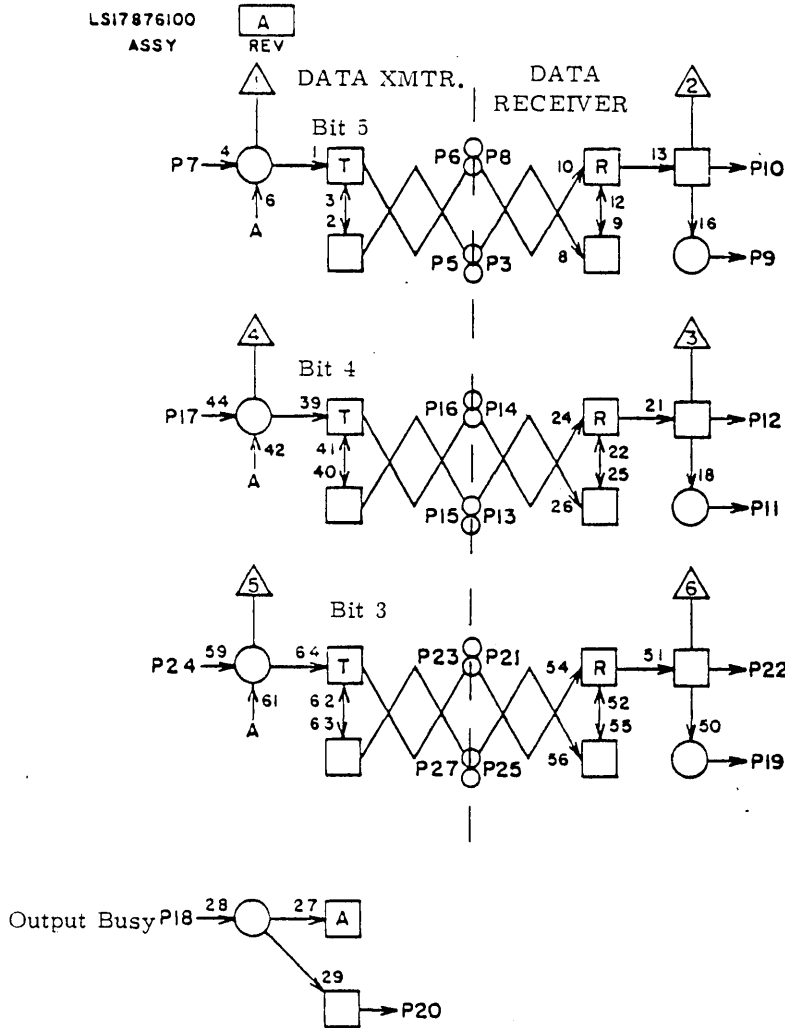
| | | | |
|----|-----|----|----|
| 1 | -6V | | |
| 2 | | | |
| 3 | 1A1 | B8 | |
| 4 | | | |
| 5 | 1A2 | B8 | |
| 6 | 1A1 | B7 | |
| 7 | C6 | 9 | 7 |
| 8 | 1A2 | B7 | |
| 9 | B2 | 28 | 13 |
| 10 | E5 | 21 | 15 |
| 11 | B2 | 20 | 13 |
| 12 | E5 | 24 | 15 |
| 13 | 1A1 | B6 | |
| 14 | 1A1 | B5 | |
| 15 | 1A2 | B6 | |
| 16 | 1A2 | B5 | |
| 17 | C6 | 3 | 7 |
| 18 | B9 | 20 | 3 |
| 19 | B2 | 18 | 11 |
| 20 | B11 | 18 | 3 |
| 21 | 1A1 | B3 | |
| 22 | E5 | 23 | 13 |
| 23 | 1A2 | B3 | |
| 24 | C6 | 1 | 7 |
| 25 | 1A1 | B4 | |
| 26 | | | |
| 27 | 1A2 | B4 | |
| 28 | | | |

JACK PIN LG

LS17876100
ASSY

ZS

B11



NOTES:

1. REFERENCE DRAWINGS:
17876500 LOGIC SCHEMATIC ZT
17876300 LOGIC SCHEMATIC ZR
2. THIS CIRCUIT IS A COMBINATION OF CIRCUITS ZR & ZT.
3. THE BASE RESISTORS ON TRANSISTOR 6, 42, & 61 ARE 150 OHMS.
4. THERE ARE ONLY TWO FILTER CAPACITORS. ONE BETWEEN +6V AND GROUND AND ONE BETWEEN -6V AND GROUND.

| | | | |
|----|-----|-----|----|
| 1 | -6V | | |
| 2 | | | |
| 3 | 1A1 | B2 | |
| 4 | | | |
| 5 | 1A2 | B2 | |
| 6 | 1A1 | B1 | |
| 7 | C7 | 9 | 7 |
| 8 | 1A2 | B1 | |
| 9 | B2 | 11 | 13 |
| 10 | E6 | 8 | 13 |
| 11 | B2 | 13 | 13 |
| 12 | E6 | 5 | 13 |
| 13 | 1A1 | A10 | |
| 14 | 1A1 | A9 | |
| 15 | 1A2 | A10 | |
| 16 | 1A2 | A9 | |
| 17 | C7 | 3 | 7 |
| 18 | B10 | 20 | 3 |
| 19 | B2 | 3 | 13 |
| 20 | B12 | 18 | 3 |
| 21 | 1A1 | A7 | |
| 22 | E6 | 12 | 13 |
| 23 | 1A2 | A7 | |
| 24 | C7 | 1 | 7 |
| 25 | 1A1 | A8 | |
| 26 | | | |
| 27 | 1A2 | A8 | |
| 28 | | | |

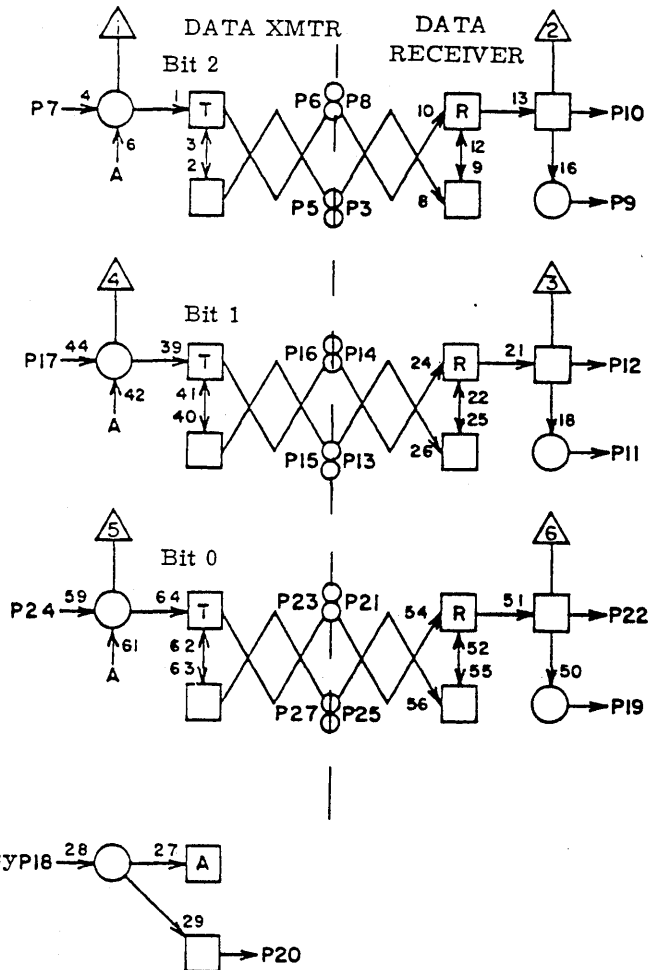
JACK PIN LG

LS17876100
ASSY

A
REV

ZS

B12



NOTES:

1. REFERENCE DRAWINGS:
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17876300 LOGIC SCHEMATIC ZR
2. THIS CIRCUIT IS A COMBINATION OF CIRCUITS ZR & ZT.
3. THE BASE RESISTORS ON TRANSISTOR 6, 42, & 61 ARE 150 OHMS.
4. THERE ARE ONLY TWO FILTER CAPACITORS. ONE BETWEEN +6V AND GROUND AND ONE BETWEEN -6V AND GROUND.

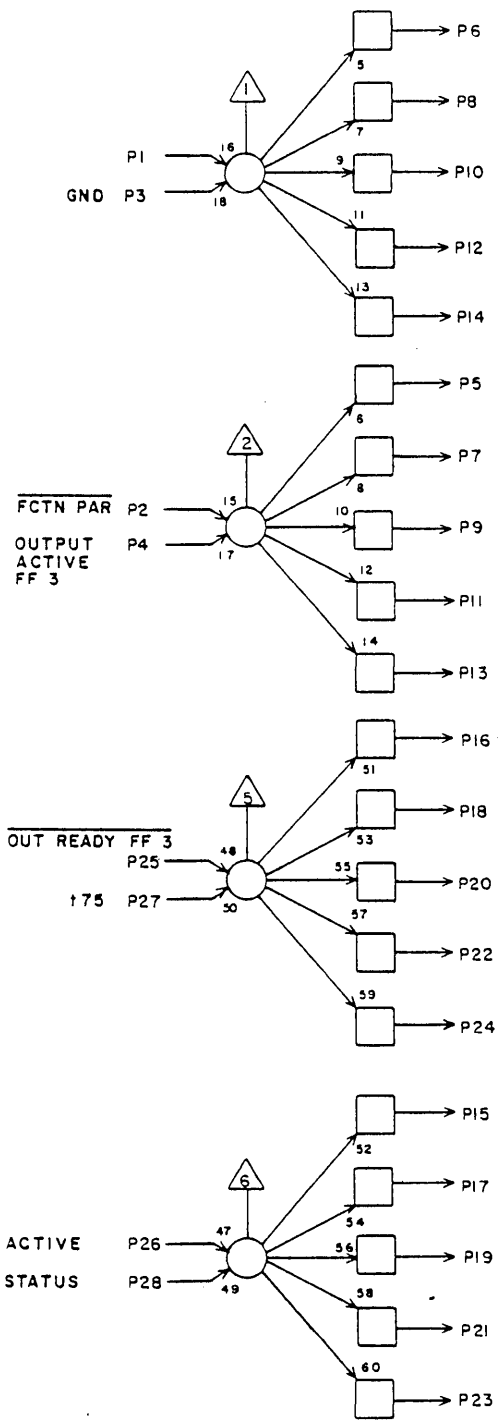
| | | | |
|----|-----|----|----|
| 1 | -6V | | |
| 2 | | | |
| 3 | 1A1 | A6 | |
| 4 | | | |
| 5 | 1A2 | A6 | |
| 6 | 1A1 | A5 | |
| 7 | C8 | 9 | 7 |
| 8 | 1A2 | A5 | |
| 9 | B2 | 1 | 13 |
| 10 | E6 | 21 | 15 |
| 11 | B2 | 8 | 15 |
| 12 | E6 | 24 | 15 |
| 13 | 1A1 | A4 | |
| 14 | 1A1 | A3 | |
| 15 | 1A2 | A4 | |
| 16 | 1A2 | A3 | |
| 17 | C8 | 3 | 7 |
| 18 | B11 | 20 | 3 |
| 19 | B2 | 5 | 15 |
| 20 | A2 | 9 | 13 |
| 21 | 1A1 | A1 | |
| 22 | E6 | 23 | 15 |
| 23 | 1A2 | A1 | |
| 24 | C8 | 1 | 7 |
| 25 | 1A1 | A2 | |
| 26 | | | |
| 27 | 1A2 | A2 | |
| 28 | | | |

JACK PIN LG

LS 52551200 L
 ASSY REV

TD

C01



| | | | |
|----|-----|----|----|
| 1 | D1 | 9 | 7 |
| 2 | A3 | 25 | 45 |
| 3 | GND | | 2 |
| 4 | D4 | 20 | 9 |
| 5 | E9 | 27 | 15 |
| 6 | A4 | 17 | 11 |
| 7 | E9 | 4 | 13 |
| 8 | A3 | 14 | 11 |
| 9 | B5 | 21 | 45 |
| 10 | A7 | 4 | 13 |
| 11 | A8 | 28 | 13 |
| 12 | | | |
| 13 | | | |
| 14 | E2 | 28 | 11 |
| 15 | A4 | 2 | 11 |
| 16 | A3 | 17 | 11 |
| 17 | A7 | 8 | 13 |
| 18 | E6 | 22 | 13 |
| 19 | A3 | 11 | 11 |
| 20 | E6 | 9 | 11 |
| 21 | E3 | 7 | 9 |
| 22 | E5 | 22 | 11 |
| 23 | E3 | 20 | 11 |
| 24 | E5 | 7 | 11 |
| 25 | E4 | 12 | 9 |
| 26 | D5 | 16 | 9 |
| 27 | D7 | 17 | 11 |
| 28 | B6 | 5 | 11 |

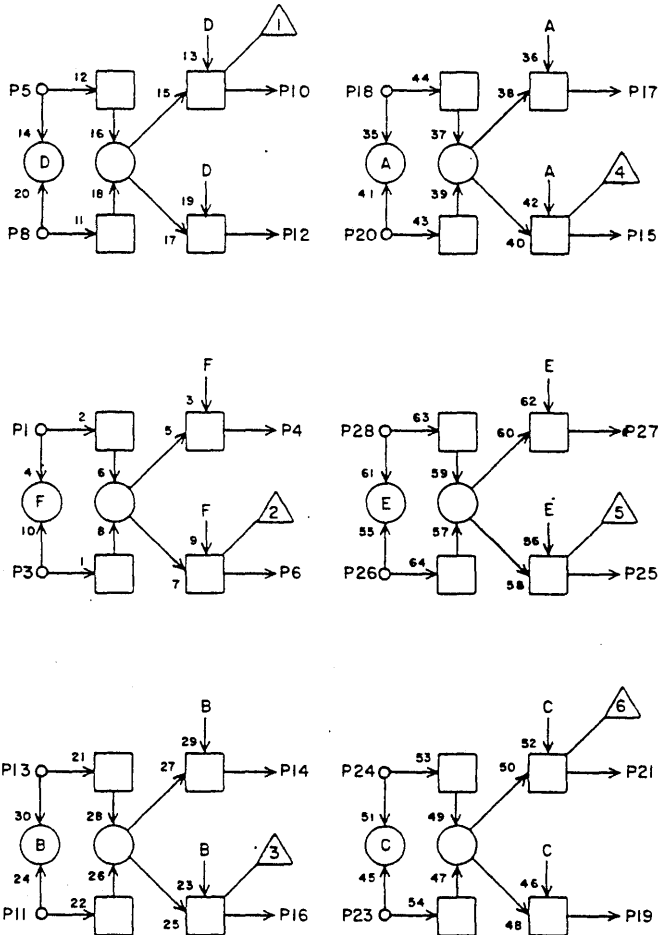
JACK PIN LG
 CIRCUIT SPECIFICATION 11827600

LS 52543500
ASSY

C
REV

AB

C02



| | | | |
|----|----|----|-----|
| 1 | C3 | 16 | 5 |
| 2 | | | |
| 3 | C3 | 15 | 5 |
| 4 | | | |
| 5 | C3 | 10 | 5 |
| 6 | C2 | 20 | 5 |
| 7 | | | |
| 8 | C3 | 6 | 5 |
| 9 | | | |
| 10 | C2 | 18 | 5 |
| 11 | C3 | 21 | 5 |
| 12 | | | |
| 13 | C3 | 25 | 5 |
| 14 | | | |
| 15 | C2 | 28 | 5 |
| 16 | C2 | 26 | 5 |
| 17 | | | |
| 18 | C2 | 10 | 5 |
| 19 | | | |
| 20 | C2 | 6 | 5 |
| 21 | A3 | 18 | 11 |
| 22 | | | |
| 23 | C2 | 25 | 3 |
| 24 | C9 | 25 | 120 |
| 25 | C2 | 23 | 3 |
| 26 | C2 | 16 | 5 |
| 27 | | | |
| 28 | C2 | 15 | 5 |

JACK PIN LG

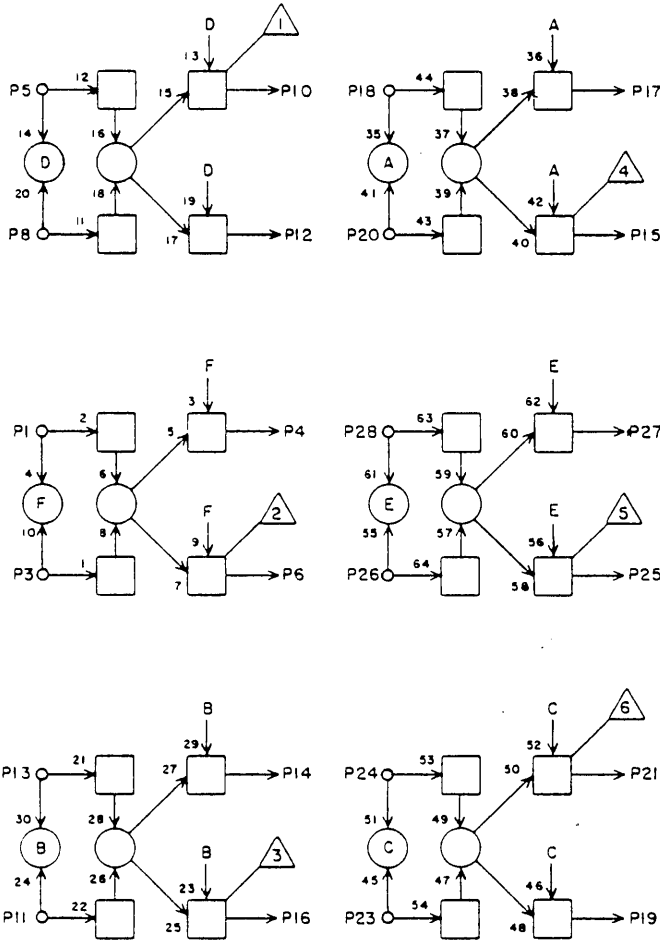
CIRCUIT SPECIFICATION 11827600

LS 52543500
ASSY

C
REV

AB

C03



| | | | |
|----|-----|----|----|
| 1 | D12 | 11 | 15 |
| 2 | | | |
| 3 | D12 | 5 | 15 |
| 4 | | | |
| 5 | D12 | 24 | 15 |
| 6 | C2 | 8 | 5 |
| 7 | | | |
| 8 | D12 | 18 | 5 |
| 9 | | | |
| 10 | C2 | 5 | 5 |
| 11 | C12 | 18 | 13 |
| 12 | | | |
| 13 | C12 | 24 | 13 |
| 14 | | | |
| 15 | C2 | 3 | 5 |
| 16 | C2 | 1 | 5 |
| 17 | | | |
| 18 | C12 | 11 | 13 |
| 19 | | | |
| 20 | C12 | 5 | 13 |
| 21 | C2 | 11 | 5 |
| 22 | | | |
| 23 | C11 | 5 | 13 |
| 24 | C11 | 11 | 13 |
| 25 | C2 | 13 | 5 |
| 26 | C11 | 18 | 11 |
| 27 | | | |
| 28 | C11 | 24 | 11 |

JACK PIN LG

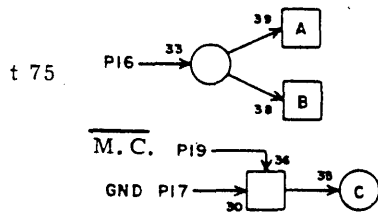
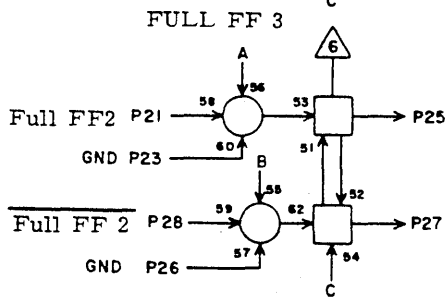
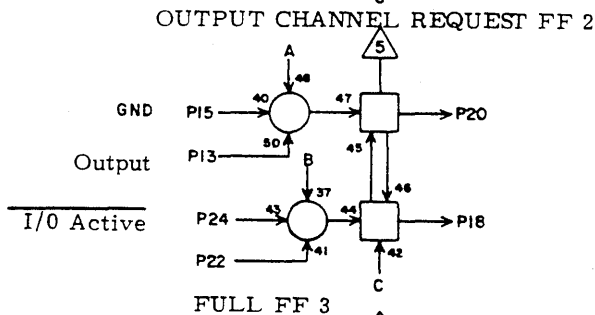
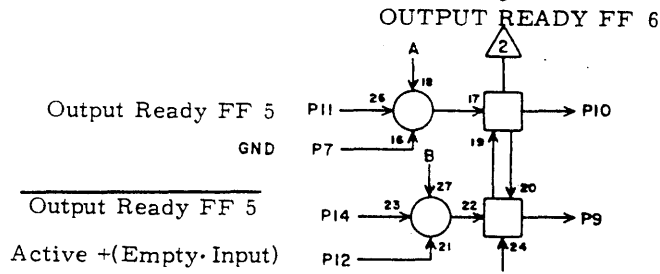
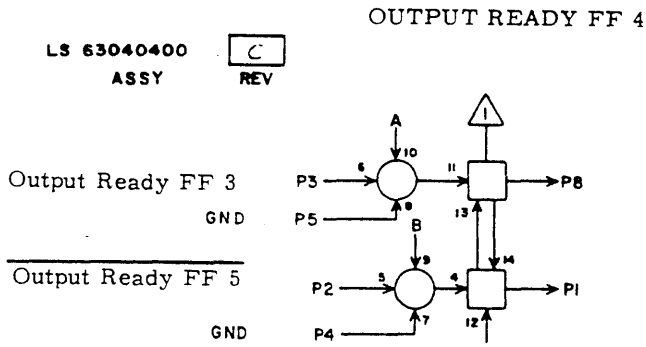
CIRCUIT SPECIFICATION 11827600

LS 63040400
ASSY

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REV

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C4



| | | | |
|----|-----|----|----|
| 1 | E4 | 25 | 11 |
| 2 | D5 | 11 | 9 |
| 3 | E4 | 10 | 9 |
| 4 | Gnd | | 2 |
| 5 | Gnd | | 2 |
| 6 | | | |
| 7 | Gnd | | 2 |
| 8 | E4 | 26 | 11 |
| 9 | D4 | 11 | 5 |
| 10 | D4 | 14 | 5 |
| 11 | D5 | 9 | 7 |
| 12 | E9 | 19 | 11 |
| 13 | A6 | 8 | 11 |
| 14 | D5 | 22 | 7 |
| 15 | GND | | 2 |
| 16 | D7 | 24 | 7 |
| 17 | Gnd | | 2 |
| 18 | A12 | 25 | 13 |
| 19 | D5 | 17 | 7 |
| 20 | B6 | 25 | 7 |
| 21 | B4 | 7 | 7 |
| 22 | A8 | 14 | 11 |
| 23 | Gnd | | 2 |
| 24 | B6 | 21 | 7 |
| 25 | D4 | 5 | 5 |
| 26 | Gnd | | 2 |
| 27 | R4 | 25 | 5 |
| 28 | B5 | 1 | 7 |

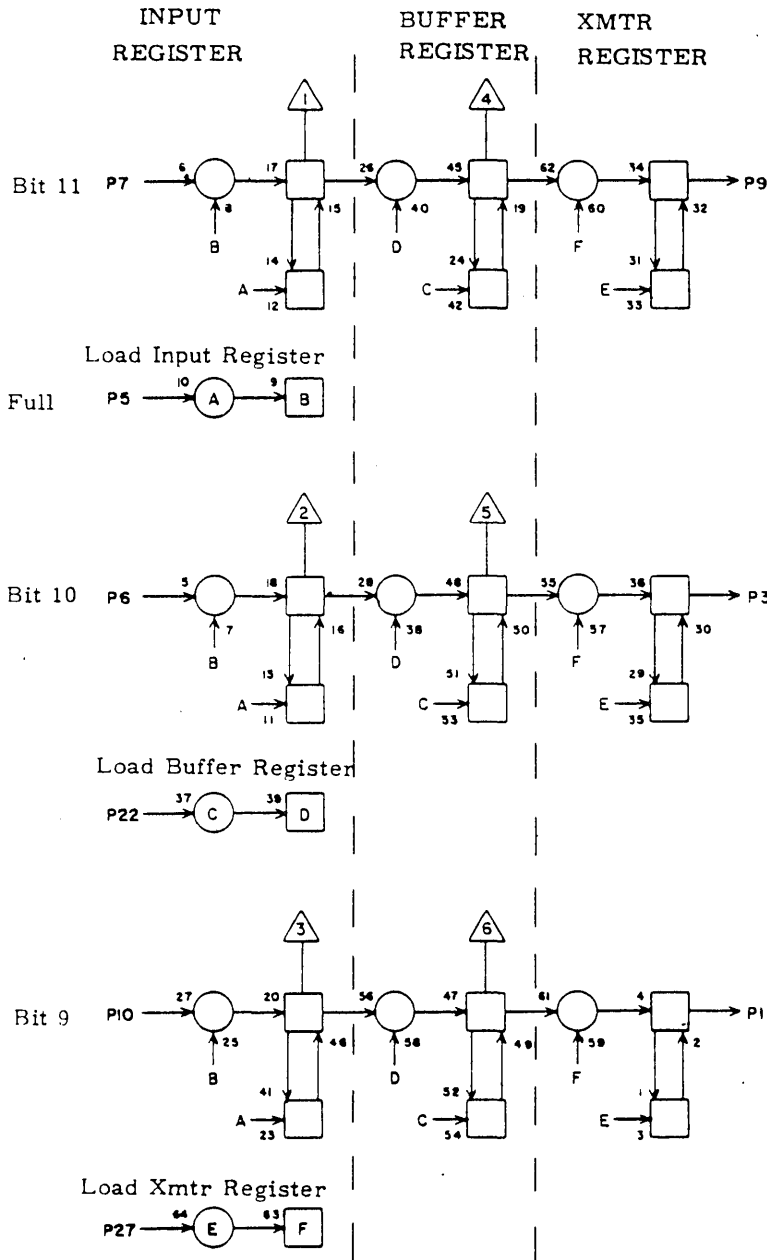
JACK PIN LG
CIRCUIT SPECIFICATION 11827800

LS 63057700
ASSY

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REV

P8

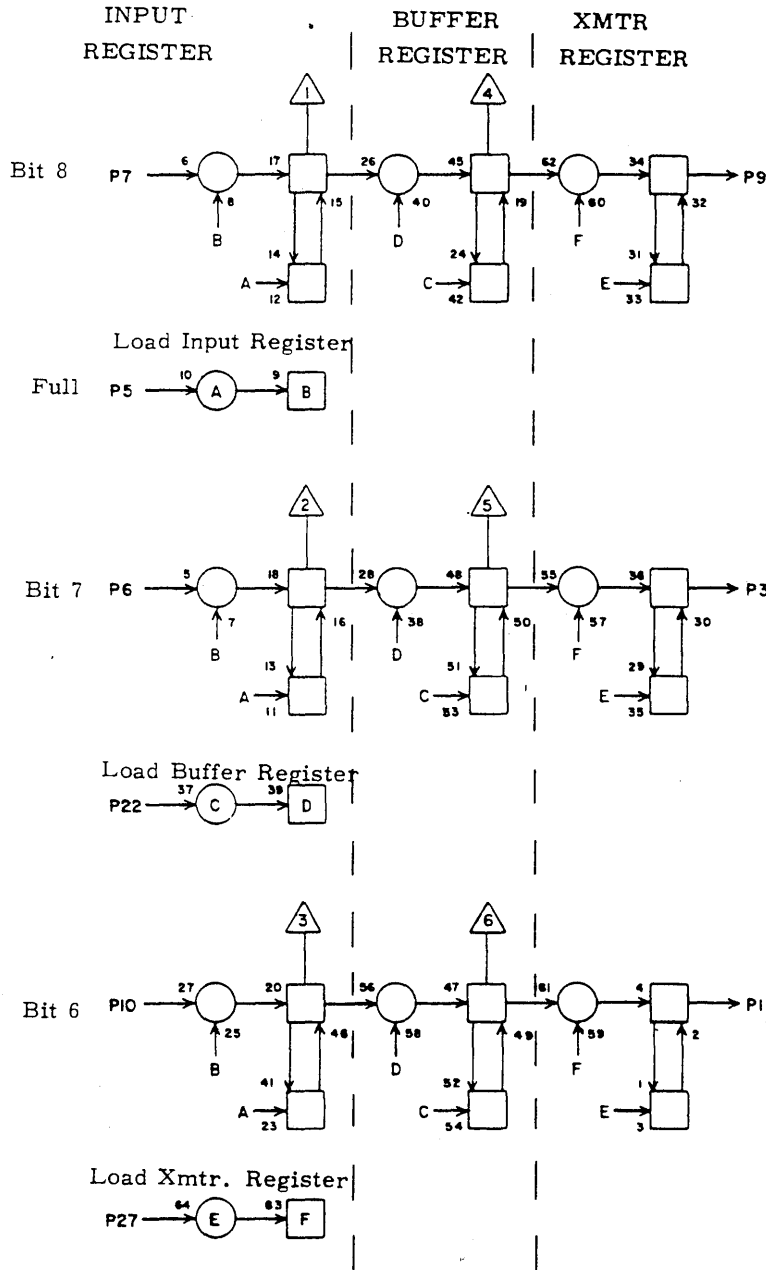
C5



| | | | |
|----|-----|----|---|
| 1 | B9 | 24 | 7 |
| 2 | | | |
| 3 | B9 | 17 | 7 |
| 4 | | | |
| 5 | B7 | 5 | 7 |
| 6 | C11 | 9 | 9 |
| 7 | C11 | 7 | 9 |
| 8 | | | |
| 9 | B9 | 7 | 7 |
| 10 | C11 | 20 | 9 |
| 11 | | | |
| 12 | | | |
| 13 | | | |
| 14 | | | |
| 15 | | | |
| 16 | | | |
| 17 | | | |
| 18 | | | |
| 19 | | | |
| 20 | | | |
| 21 | | | |
| 22 | B7 | 15 | 7 |
| 23 | | | |
| 24 | | | |
| 25 | | | |
| 26 | | | |
| 27 | B7 | 6 | 7 |
| 28 | | | |

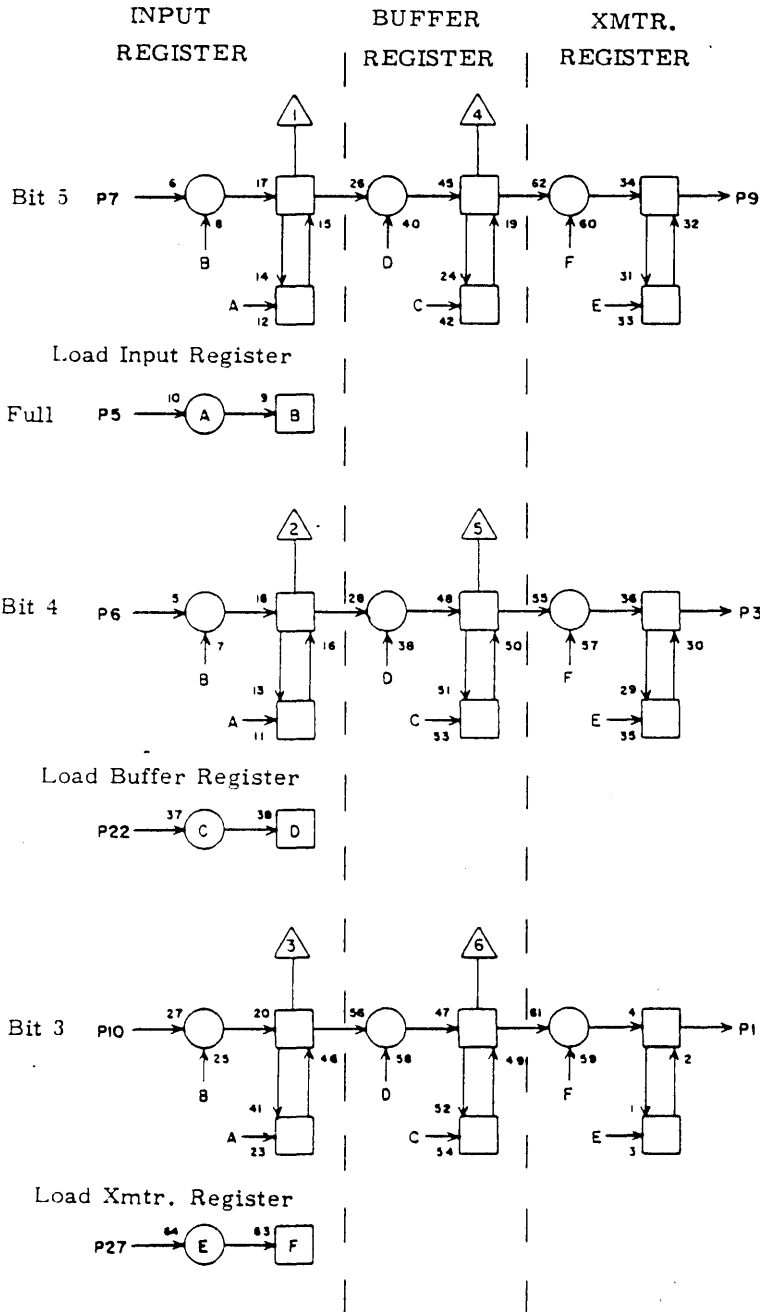
JACK PIN LG
CIRCUIT SPECIFICATION 11827600

6682/83 COUPLER



| | | | |
|----|-----|----|---|
| 1 | B10 | 24 | 7 |
| 2 | | | |
| 3 | B10 | 17 | 7 |
| 4 | | | |
| 5 | B7 | 7 | 5 |
| 6 | C12 | 7 | 9 |
| 7 | C11 | 22 | 7 |
| 8 | | | |
| 9 | B10 | 7 | 7 |
| 10 | C12 | 9 | 9 |
| 11 | | | |
| 12 | | | |
| 13 | | | |
| 14 | | | |
| 15 | | | |
| 16 | | | |
| 17 | | | |
| 18 | | | |
| 19 | | | |
| 20 | | | |
| 21 | | | |
| 22 | B7 | 17 | 7 |
| 23 | | | |
| 24 | | | |
| 25 | | | |
| 26 | | | |
| 27 | B7 | 8 | 7 |
| 28 | | | |

JACK PIN LG
CIRCUIT SPECIFICATION 11827600

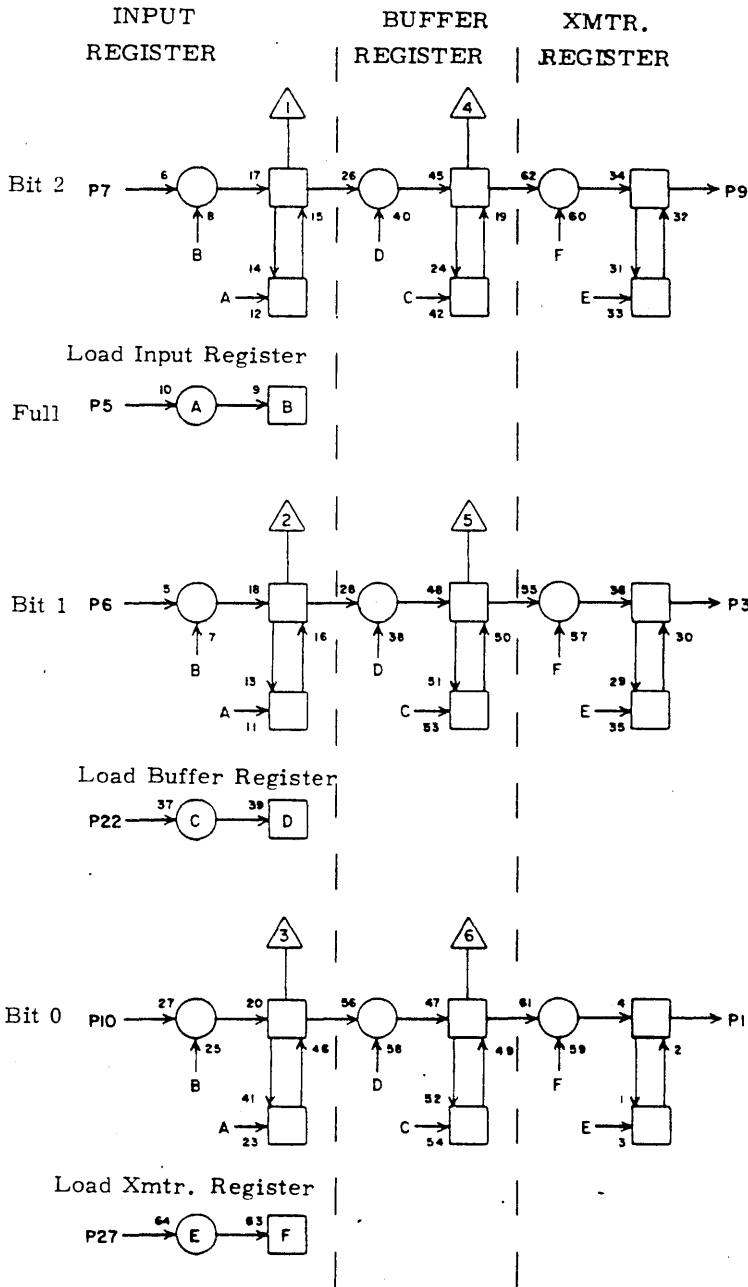


| | | | |
|----|-----|----|---|
| 1 | B11 | 24 | 7 |
| 2 | | | |
| 3 | B11 | 17 | 7 |
| 4 | | | |
| 5 | B7 | 9 | 5 |
| 6 | C12 | 22 | 7 |
| 7 | C12 | 20 | 7 |
| 8 | | | |
| 9 | B11 | 7 | 7 |
| 10 | D12 | 7 | 9 |
| 11 | | | |
| 12 | | | |
| 13 | | | |
| 14 | | | |
| 15 | | | |
| 16 | | | |
| 17 | | | |
| 18 | | | |
| 19 | | | |
| 20 | | | |
| 21 | | | |
| 22 | B7 | 19 | 5 |
| 23 | | | |
| 24 | | | |
| 25 | | | |
| 26 | | | |
| 27 | B7 | 10 | 7 |
| 28 | | | |

JACK PIN LG

CIRCUIT SPECIFICATION 11827600

6682/83 COUPLER



| | | | |
|----|-----|----|---|
| 1 | B12 | 24 | 7 |
| 2 | | | |
| 3 | B12 | 17 | 7 |
| 4 | | | |
| 5 | B7 | 11 | 5 |
| 6 | D12 | 20 | 9 |
| 7 | D12 | 9 | 7 |
| 8 | | | |
| 9 | B12 | 7 | 7 |
| 10 | D12 | 22 | 9 |
| 11 | | | |
| 12 | | | |
| 13 | | | |
| 14 | | | |
| 15 | | | |
| 16 | | | |
| 17 | | | |
| 18 | | | |
| 19 | | | |
| 20 | | | |
| 21 | | | |
| 22 | B7 | 21 | 5 |
| 23 | | | |
| 24 | | | |
| 25 | | | |
| 26 | | | |
| 27 | B7 | 12 | 7 |
| 28 | | | |

JACK PIN LG
CIRCUIT SPECIFICATION 1827600

6682/83 COUPLER

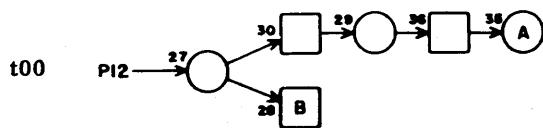
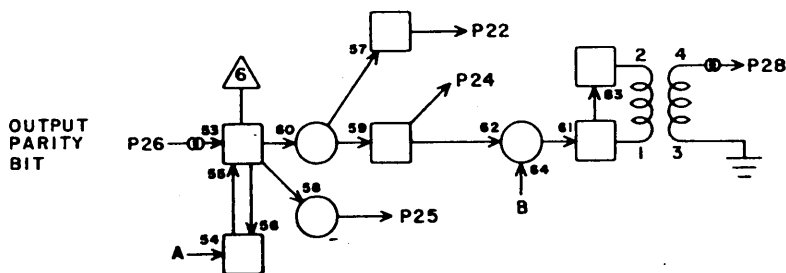
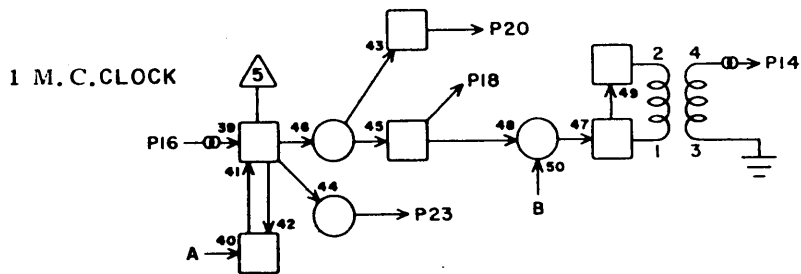
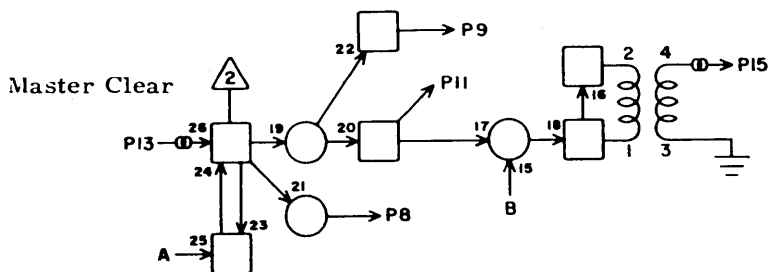
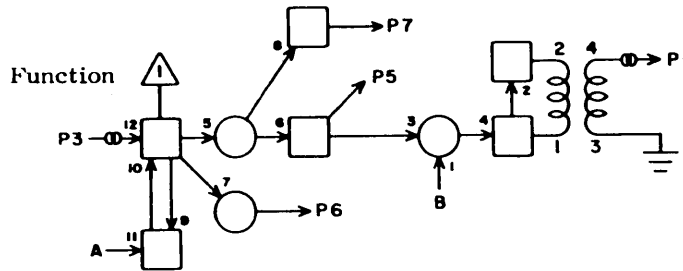
LS 63060800
ASSY

F
REV

FROM COMPUTER

PASS ON 01

C9



| | | | |
|----|-----|-----|----|
| 1 | W01 | 906 | |
| 2 | | | |
| 3 | W00 | 906 | |
| 4 | | | |
| 5 | A8 | 2 | 9 |
| 6 | | | |
| 7 | D1 | 13 | 13 |
| 8 | A04 | 4 | 13 |
| 9 | E09 | 22 | 11 |
| 10 | | | |
| 11 | E09 | 9 | 9 |
| 12 | D6 | 6 | 7 |
| 13 | W00 | 907 | |
| 14 | | | |
| 15 | W01 | 907 | |
| 16 | W02 | 907 | |
| 17 | | | |
| 18 | | | |
| 19 | | | |
| 20 | D11 | 25 | 7 |
| 21 | | | |
| 22 | | | |
| 23 | | | |
| 24 | D02 | 14 | 11 |
| 25 | C02 | 24 | 65 |
| 26 | W00 | 908 | |
| 27 | | | |
| 28 | W01 | 908 | |

JACK PIN LG
CIRCUIT SPECIFICATION 11027600

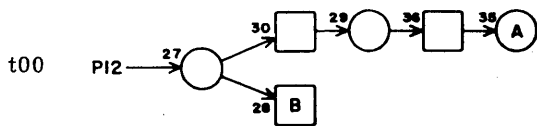
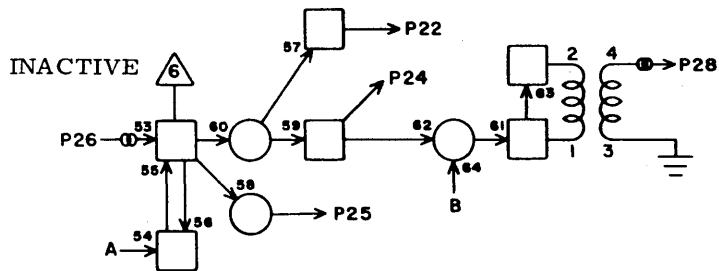
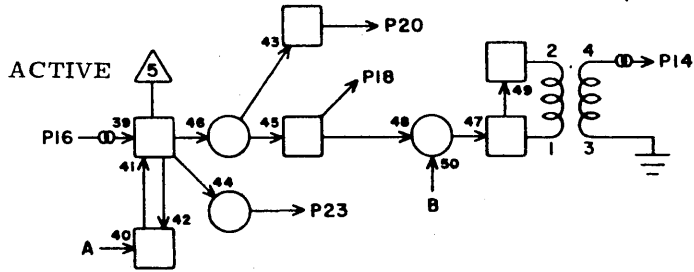
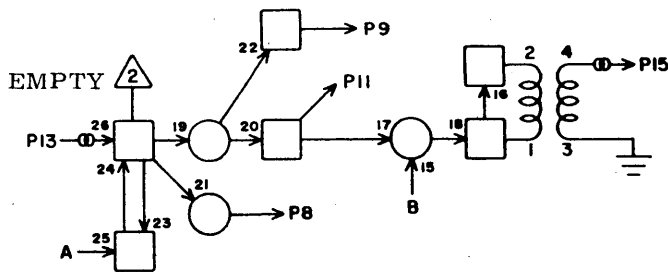
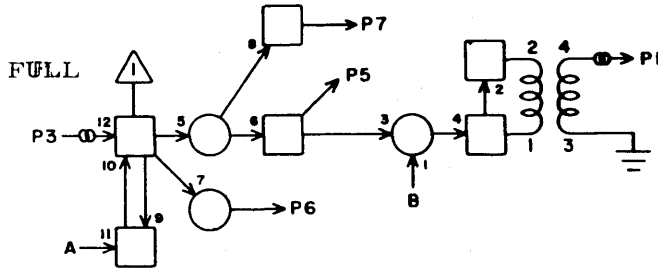
LS 63060800
ASSY

F
REV

FROM COMPUTER

PASS ON 01

C10



| | | | |
|----|-----|-----|----|
| 1 | W01 | 904 | |
| 2 | | | |
| 3 | W00 | 904 | |
| 4 | | | |
| 5 | B7 | 2 | 7 |
| 6 | D2 | 20 | 65 |
| 7 | B8 | 3 | 7 |
| 8 | | | |
| 9 | E9 | 18 | 9 |
| 10 | | | |
| 11 | A10 | 14 | 9 |
| 12 | D6 | 4 | 7 |
| 13 | W00 | 905 | |
| 14 | W01 | 902 | |
| 15 | W01 | 905 | |
| 16 | W00 | 902 | |
| 17 | | | |
| 18 | B8 | 8 | 7 |
| 19 | | | |
| 20 | D5 | 25 | 9 |
| 21 | | | |
| 22 | | | |
| 23 | | | |
| 24 | | | |
| 25 | A07 | 5 | 11 |
| 26 | W00 | 903 | |
| 27 | | | |
| 28 | W01 | 903 | |

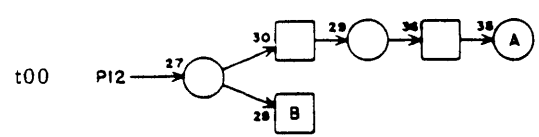
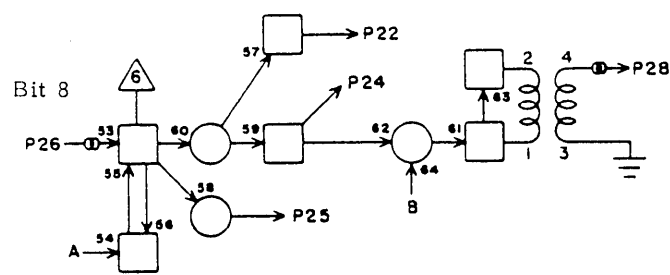
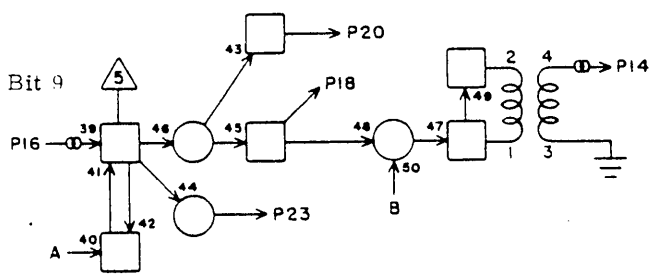
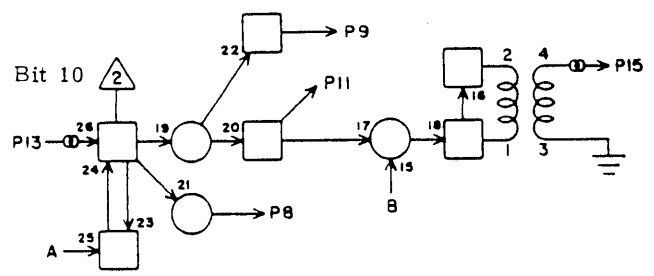
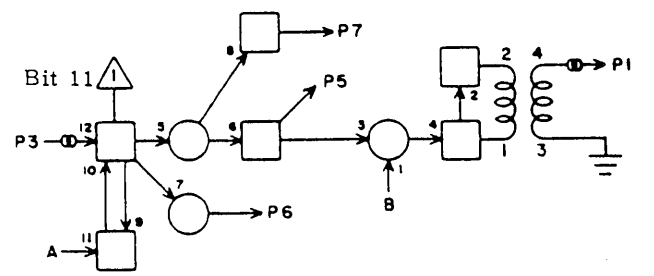
JACK PIN LG

CIRCUIT SPECIFICATION 11827000

LS 63060800 F REV FROM COMPUTER

PASS ON Q1

C11



| | | | |
|----|-----|-----|----|
| 1 | W01 | 901 | |
| 2 | | | |
| 3 | W00 | 901 | |
| 4 | | | |
| 5 | C3 | 23 | 13 |
| 6 | A8 | 4 | 9 |
| 7 | C5 | 7 | 9 |
| 8 | A8 | 6 | 9 |
| 9 | C5 | 6 | 9 |
| 10 | | | |
| 11 | C3 | 24 | 13 |
| 12 | D6 | 13 | 9 |
| 13 | W00 | 900 | |
| 14 | W01 | 99 | |
| 15 | W01 | 900 | |
| 16 | W00 | 99 | |
| 17 | | | |
| 18 | C3 | 26 | 11 |
| 19 | | | |
| 20 | C5 | 10 | 9 |
| 21 | | | |
| 22 | C6 | 7 | 7 |
| 23 | A8 | 8 | 11 |
| 24 | C3 | 28 | 11 |
| 25 | D8 | 26 | 9 |
| 26 | W00 | 98 | |
| 27 | | | |
| 28 | W01 | 98 | |

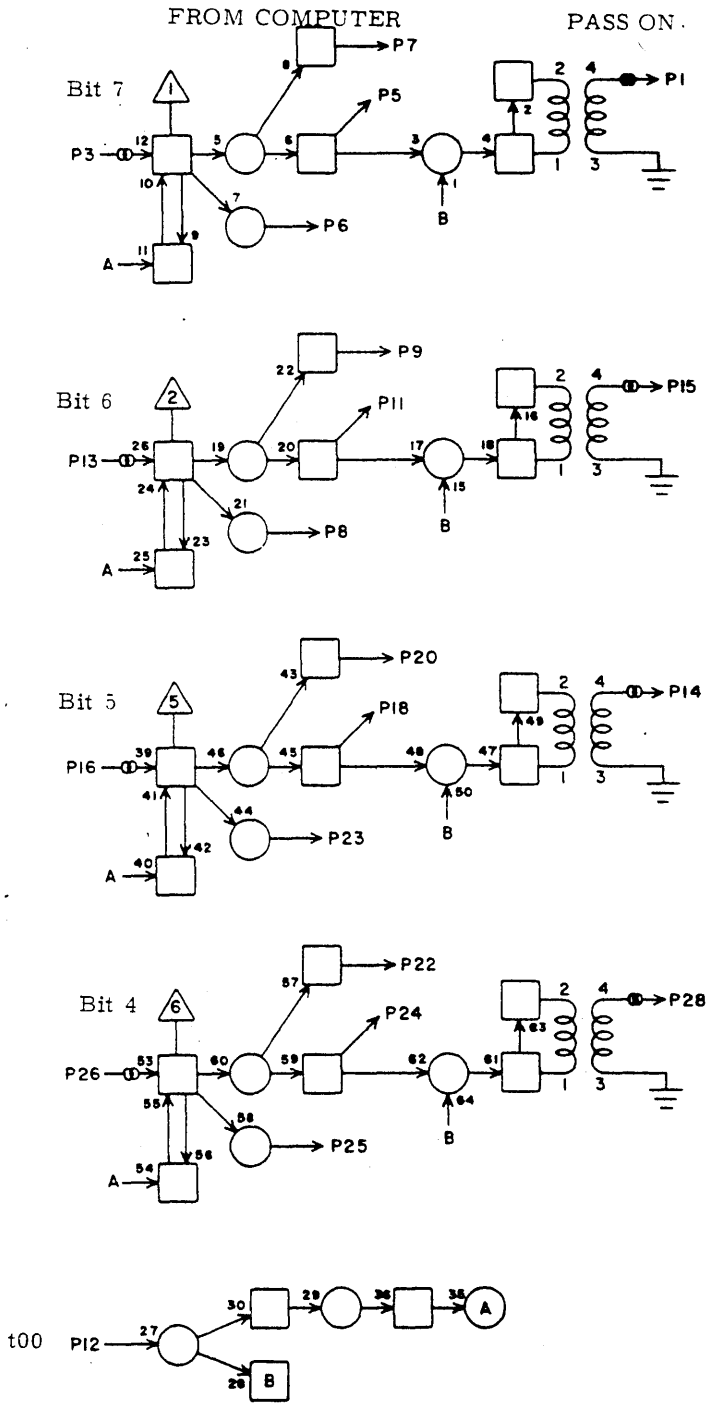
JACK PIN LG
CIRCUIT SPECIFICATION 11827600

LS 63060800
ASSY

F
REV

01

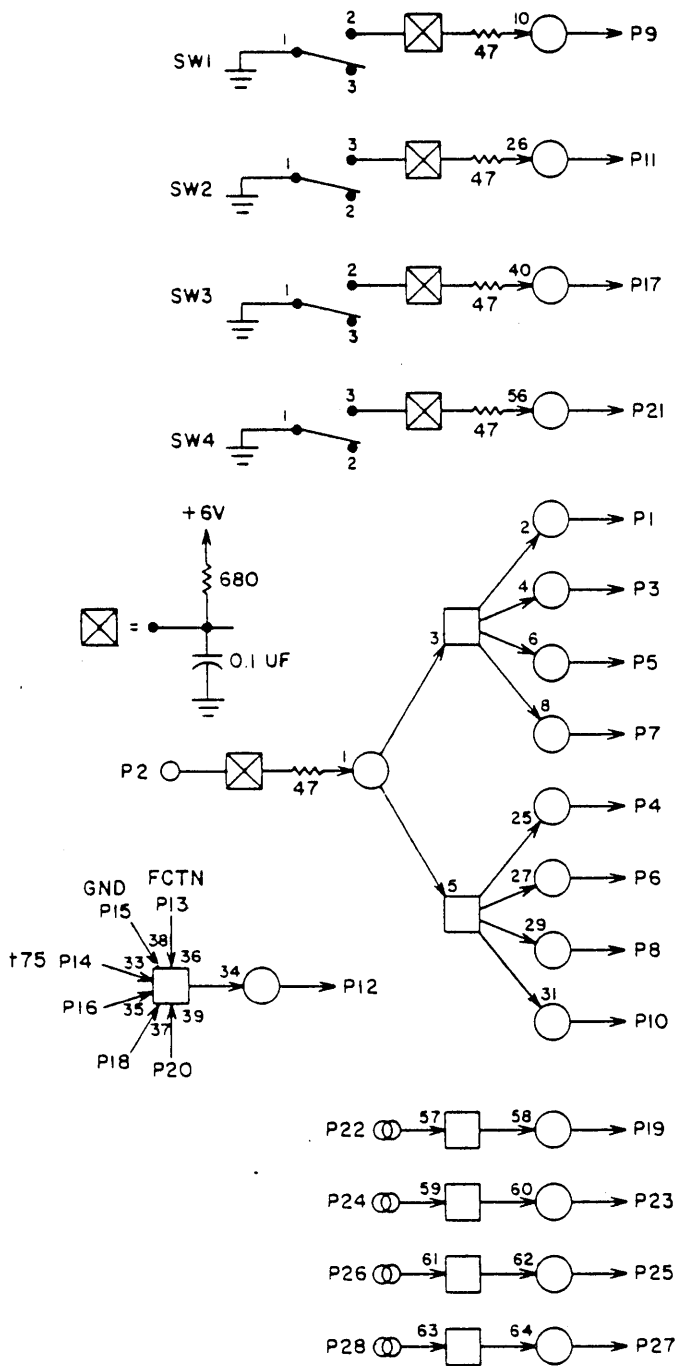
C12



| | | | |
|----|-----|----|----|
| 1 | W01 | 97 | |
| 2 | | | |
| 3 | W00 | 97 | |
| 4 | | | |
| 5 | C3 | 20 | 13 |
| 6 | D8 | 8 | 9 |
| 7 | C6 | 6 | 9 |
| 8 | D8 | 6 | 9 |
| 9 | C6 | 10 | 9 |
| 10 | | | |
| 11 | D8 | 18 | 13 |
| 12 | D6 | 1 | 9 |
| 13 | W00 | 96 | |
| 14 | W01 | 95 | |
| 15 | W01 | 96 | |
| 16 | W00 | 95 | |
| 17 | | | |
| 18 | C3 | 11 | 13 |
| 19 | | | |
| 20 | C7 | 7 | 7 |
| 21 | | | |
| 22 | C7 | 6 | 7 |
| 23 | | | |
| 24 | C3 | 13 | 13 |
| 25 | | | |
| 26 | W00 | 94 | |
| 27 | | | |
| 28 | W01 | 94 | |

JACK PIN LG
CIRCUIT SPECIFICATION 11827800

LS 18574100
ASSY REV



RX

D01

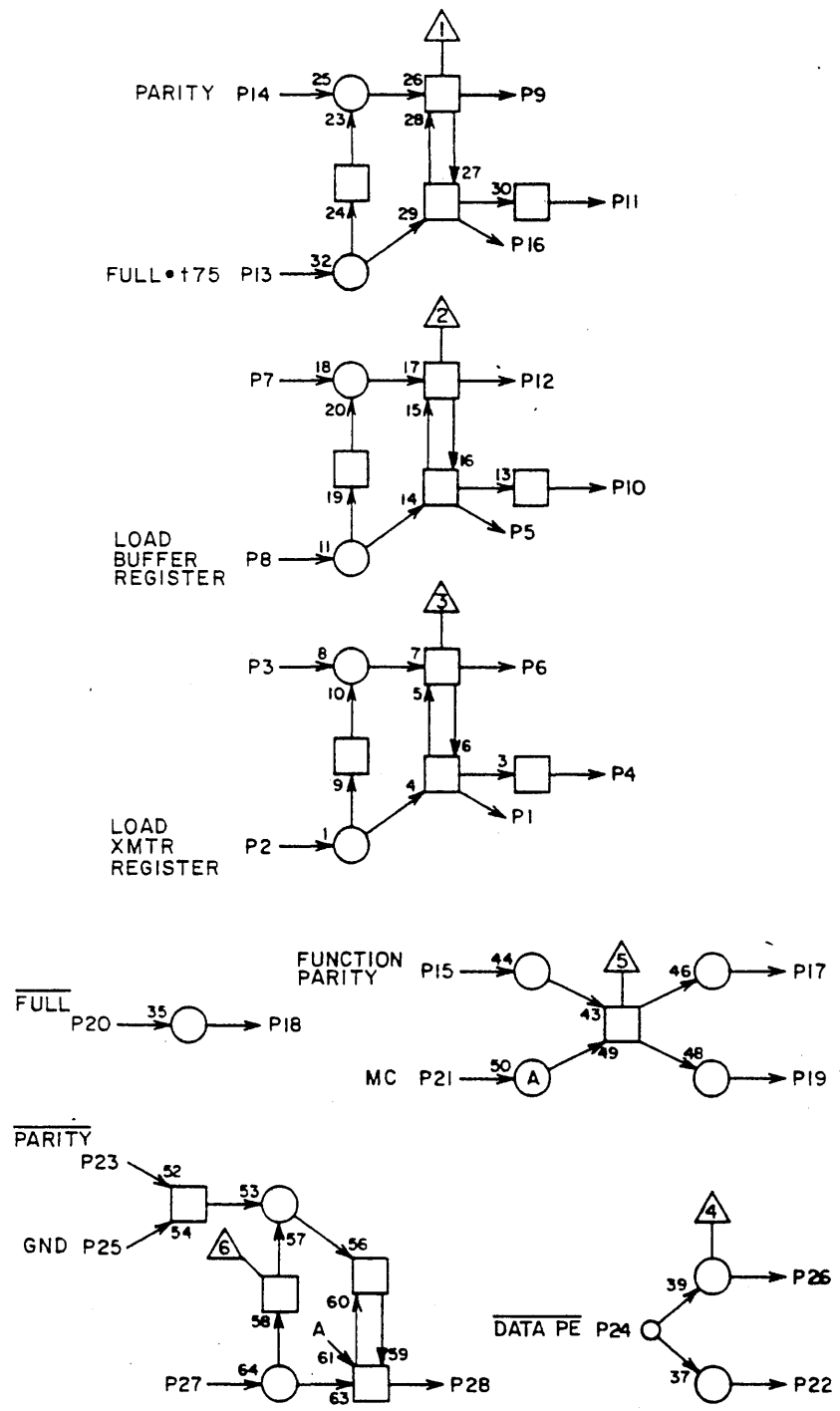
| | | | |
|----|-----|----|----|
| 1 | | | |
| 2 | | | |
| 3 | | | |
| 4 | | | |
| 5 | | | |
| 6 | | | |
| 7 | | | |
| 8 | | | |
| 9 | C1 | 1 | 7 |
| 10 | | | |
| 11 | E2 | 26 | 7 |
| 12 | B8 | 16 | 13 |
| 13 | C9 | 7 | 13 |
| 14 | D7 | 26 | 9 |
| 15 | GND | | 2 |
| 16 | | | |
| 17 | A3 | 13 | 13 |
| 18 | | | |
| 19 | | | |
| 20 | | | |
| 21 | | | |
| 22 | | | |
| 23 | | | |
| 24 | | | |
| 25 | | | |
| 26 | | | |
| 27 | | | |
| 28 | | | |

JACK PIN LG
SEE CIRCUIT SPECIFICATION
11827600

LS 18294700 E
 ASSY REV

J59

D02



| | | | |
|----|-----|----|----|
| 1 | | | |
| 2 | B17 | 14 | 11 |
| 3 | D2 | 12 | 5 |
| 4 | | | |
| 5 | | | |
| 6 | A5 | 24 | 13 |
| 7 | D2 | 9 | 3 |
| 8 | D5 | 7 | 7 |
| 9 | D2 | 7 | 3 |
| 10 | | | |
| 11 | | | |
| 12 | D2 | 3 | 5 |
| 13 | B7 | 13 | 13 |
| 14 | C9 | 24 | 11 |
| 15 | A3 | 28 | 11 |
| 16 | | | |
| 17 | A6 | 17 | 45 |
| 18 | A3 | 23 | 13 |
| 19 | B8 | 19 | 13 |
| 20 | C10 | 6 | 13 |
| 21 | A5 | 10 | 45 |
| 22 | A5 | 17 | 15 |
| 23 | A4 | 28 | 13 |
| 24 | A3 | 10 | 15 |
| 25 | GND | | 2 |
| 26 | E3 | 21 | 7 |
| 27 | B7 | 16 | 13 |
| 28 | A4 | 20 | 15 |

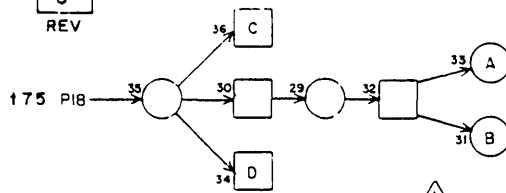
JACK PIN LG
 SEE CIRCUIT SPECIFICATION
 11827600

LS 52549900
ASSY

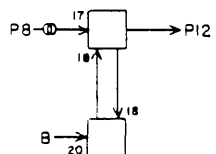
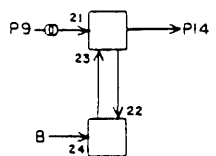
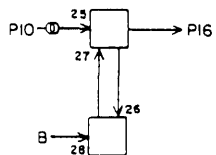
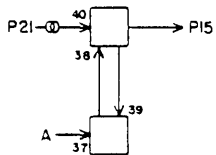
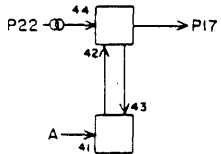
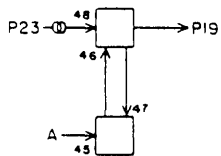
C
REV

QJ

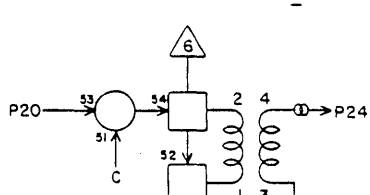
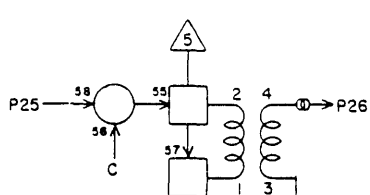
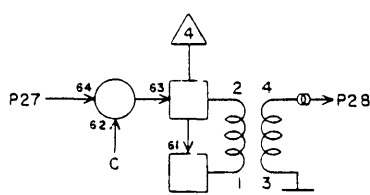
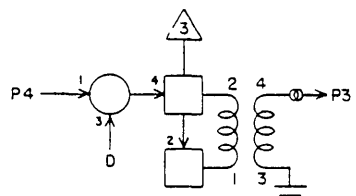
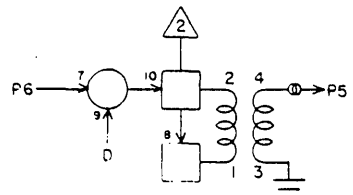
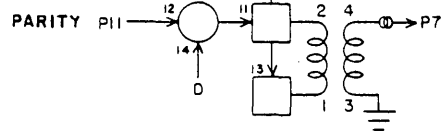
DO3



PASS BACK



PARITY P11 TO COMPUTER



| | | | |
|----|-----|-----|----|
| 1 | | | |
| 2 | | | |
| 3 | | | |
| 4 | | | |
| 5 | | | |
| 6 | | | |
| 7 | W02 | 908 | |
| 8 | | | |
| 9 | | | |
| 10 | | | |
| 11 | A2 | 28 | 13 |
| 12 | | | |
| 13 | | | |
| 14 | | | |
| 15 | | | |
| 16 | | | |
| 17 | | | |
| 18 | D7 | 19 | 96 |
| 19 | A7 | 23 | 13 |
| 20 | | | |
| 21 | | | |
| 22 | | | |
| 23 | W03 | 908 | |
| 24 | | | |
| 25 | | | |
| 26 | | | |
| 27 | | | |
| 28 | | | |

JACK PIN LG

CIRCUIT SPECIFICATION 11827600

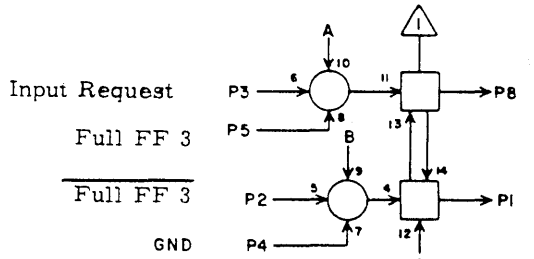
LS 63040400
ASSY

C
REV

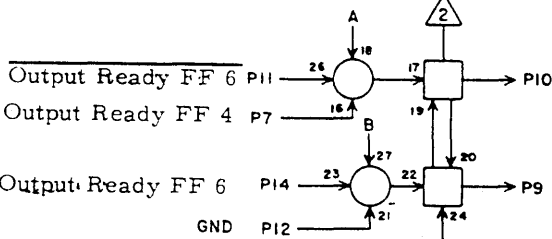
FULL FF 4

AE

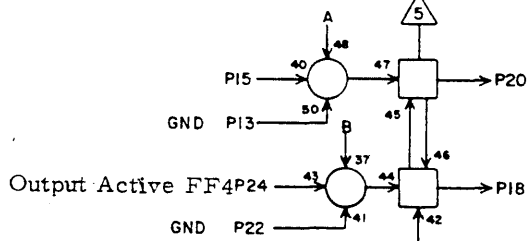
D4



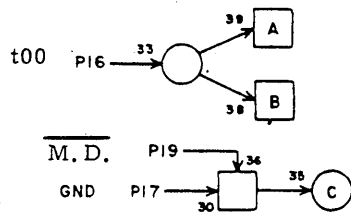
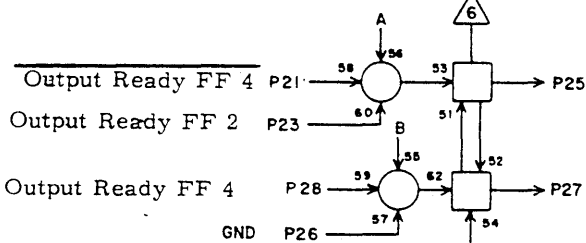
OUTPUT READY FF 5



OUTPUT ACTIVE FF 3



OUTPUT READY FF 3



| | | | |
|----|-----|----|----|
| 1 | B5 | 3 | 9 |
| 2 | B4 | 18 | 7 |
| 3 | A10 | 2 | 13 |
| 4 | Gnd | | 2 |
| 5 | C4 | 25 | 5 |
| 6 | | | |
| 7 | E4 | 23 | 7 |
| 8 | B4 | 26 | 7 |
| 9 | D5 | 28 | 3 |
| 10 | D5 | 6 | 5 |
| 11 | C4 | 9 | 5 |
| 12 | Gnd | | 2 |
| 13 | Gnd | | 2 |
| 14 | C4 | 10 | 5 |
| 15 | E9 | 16 | 9 |
| 16 | D6 | 9 | 5 |
| 17 | Gnd | | 2 |
| 18 | B4 | 3 | 9 |
| 19 | D5 | 27 | 65 |
| 20 | C1 | 4 | 9 |
| 21 | E4 | 16 | 5 |
| 22 | Gnd | | 2 |
| 23 | A9 | 2 | 15 |
| 24 | B5 | 25 | 9 |
| 25 | E4 | 3 | 3 |
| 26 | Gnd | | 2 |
| 27 | A4 | 3 | 15 |
| 28 | E4 | 19 | 5 |

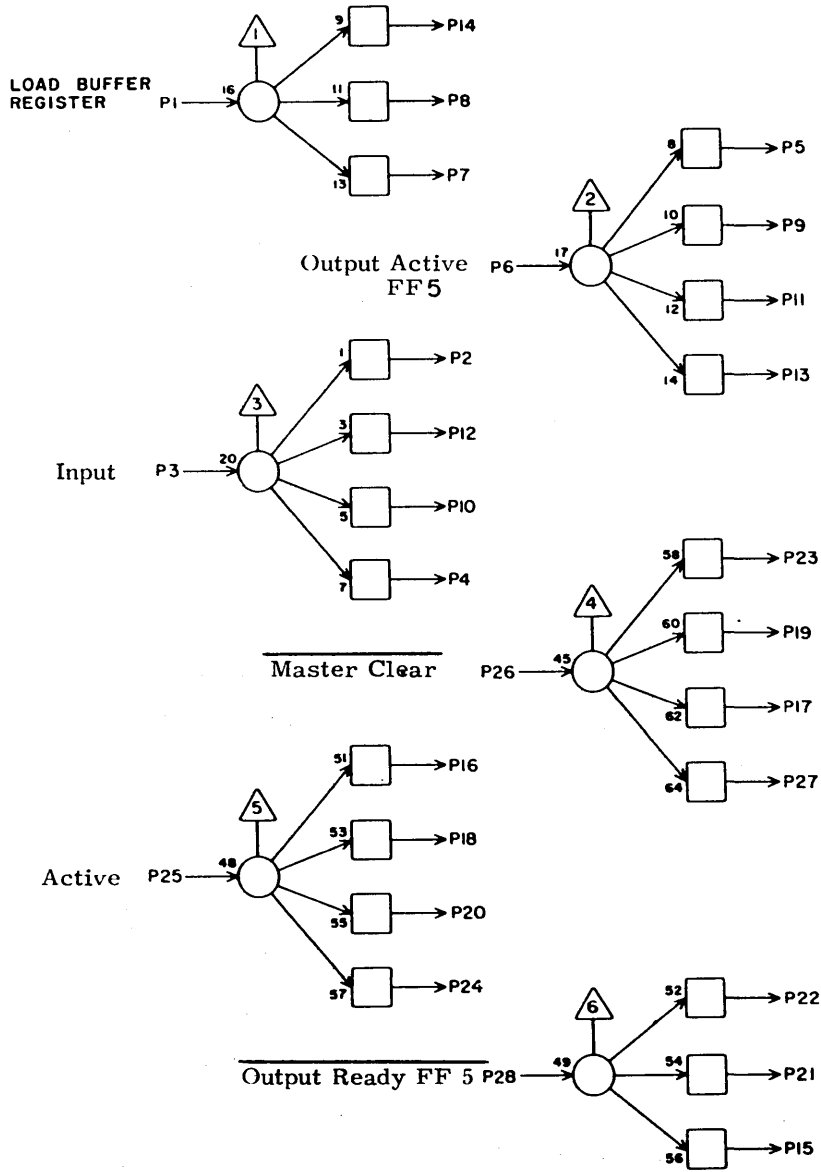
JACK PIN LG
CIRCUIT SPECIFICATION 11827600

LS 63064000
ASSY



TH

D5



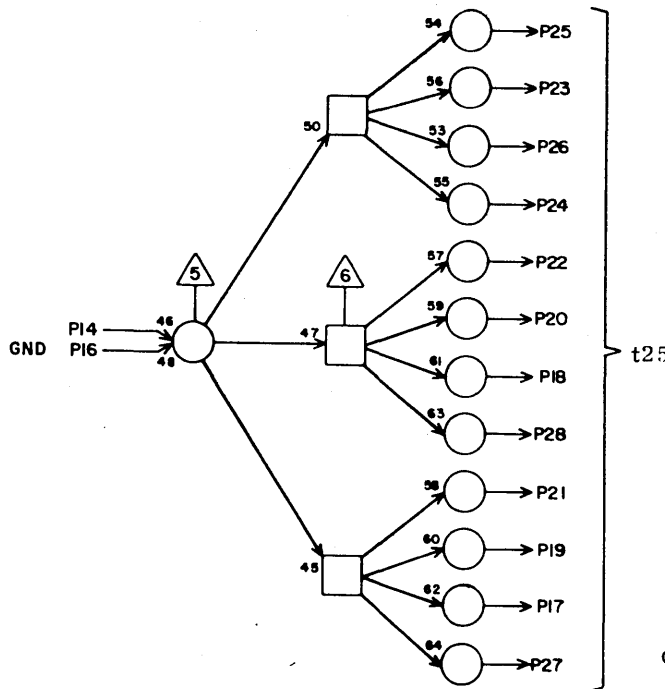
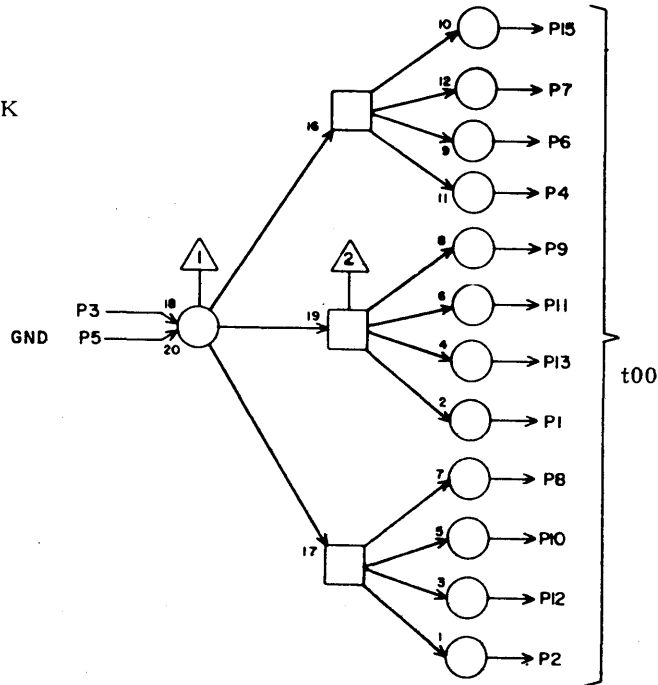
| | | | |
|----|-----|----|-----|
| 1 | B7 | 23 | 9 |
| 2 | E9 | 20 | 9 |
| 3 | B6 | 10 | 9 |
| 4 | | | |
| 5 | A2 | 23 | 13 |
| 6 | D4 | 10 | 5 |
| 7 | D2 | 8 | 7 |
| 8 | E9 | 12 | 9 |
| 9 | C4 | 11 | 7 |
| 10 | | | |
| 11 | C4 | 2 | 9 |
| 12 | E9 | 23 | 9 |
| 13 | E9 | 21 | 9 |
| 14 | | | |
| 15 | E8 | 14 | 9 |
| 16 | C1 | 26 | 9 |
| 17 | C4 | 19 | 7 |
| 18 | | | |
| 19 | A3 | 19 | 13 |
| 20 | | | |
| 21 | E7 | 14 | 7 |
| 22 | C4 | 14 | 7 |
| 23 | B5 | 19 | 9 |
| 24 | | | |
| 25 | C10 | 20 | 9 |
| 26 | A05 | 9 | 120 |
| 27 | D4 | 19 | 65 |
| 28 | D4 | 9 | 3 |

JACK PIN LG
CIRCUIT SPECIFICATION 11827800

LS 63063500
ASSY



CLOCK

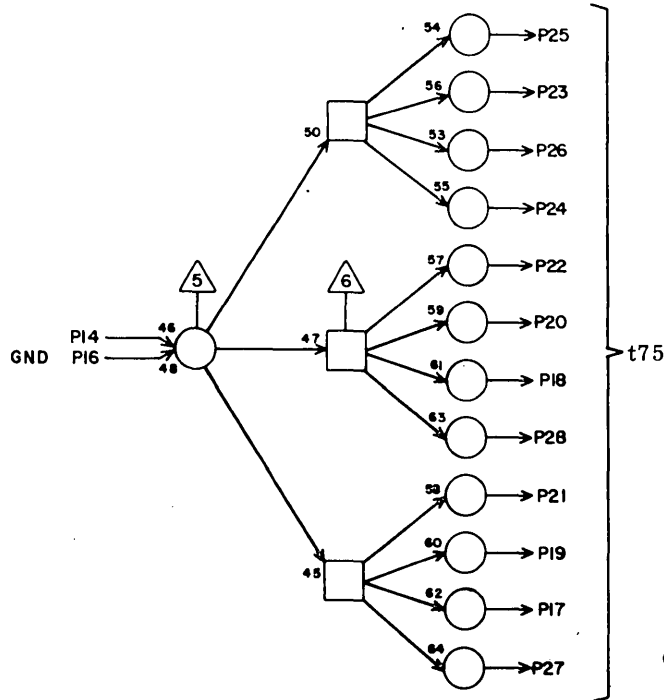
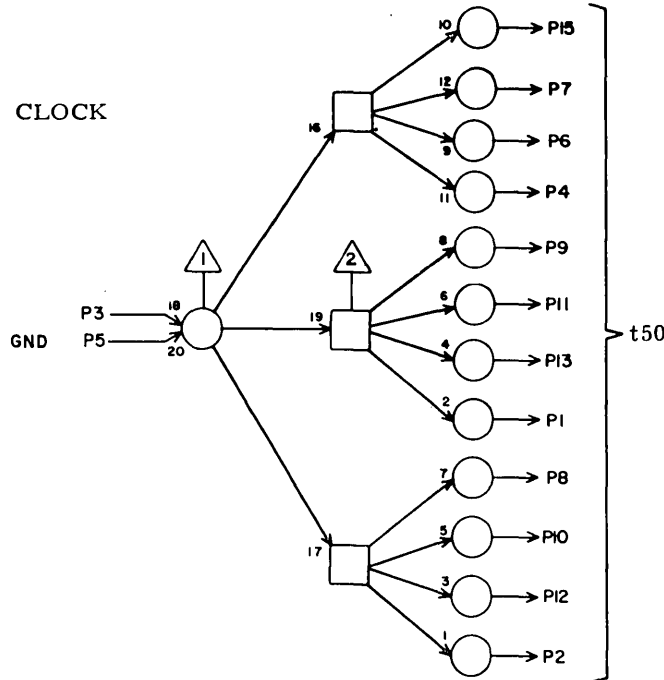


D6

| | | | |
|----|-----|----|----|
| 1 | C12 | 12 | 9 |
| 2 | A3 | 16 | 13 |
| 3 | E10 | 2 | 9 |
| 4 | C10 | 12 | 7 |
| 5 | Gnd | | 2 |
| 6 | C9 | 12 | 7 |
| 7 | B8 | 22 | 7 |
| 8 | A06 | 15 | 13 |
| 9 | D4 | 16 | 5 |
| 10 | | | |
| 11 | D12 | 12 | 7 |
| 12 | A3 | 9 | 15 |
| 13 | C11 | 12 | 9 |
| 14 | E10 | 1 | 9 |
| 15 | B8 | 18 | 9 |
| 16 | Gnd | | 2 |
| 17 | | | |
| 18 | A6 | 7 | 13 |
| 19 | | | |
| 20 | A6 | 5 | 13 |
| 21 | A9 | 16 | 13 |
| 22 | E7 | 16 | 5 |
| 23 | | | |
| 24 | E8 | 4 | 5 |
| 25 | E8 | 16 | 5 |
| 26 | | | |
| 27 | | | |
| 28 | | | |

JACK PIN LG
CIRCUIT SPECIFICATION 11827600

LS 63063500
ASSY



D7

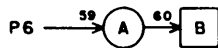
| | | | |
|----|-----|----|----|
| 1 | | | |
| 2 | | | |
| 3 | E10 | 22 | 9 |
| 4 | A10 | 24 | 11 |
| 5 | Gnd | | 2 |
| 6 | B5 | 16 | 9 |
| 7 | A10 | 6 | 13 |
| 8 | A1 | 5 | 15 |
| 9 | | | |
| 10 | A09 | 13 | 65 |
| 11 | | | |
| 12 | | | |
| 13 | | | |
| 14 | E10 | 21 | 9 |
| 15 | | | |
| 16 | Gnd | | 2 |
| 17 | C1 | 27 | 11 |
| 18 | D11 | 18 | 5 |
| 19 | D3 | 18 | 96 |
| 20 | D10 | 18 | 96 |
| 21 | E3 | 9 | 9 |
| 22 | D9 | 18 | 96 |
| 23 | B8 | 5 | 11 |
| 24 | C4 | 16 | 7 |
| 25 | B7 | 4 | 11 |
| 26 | D1 | 14 | 9 |
| 27 | A10 | 17 | 13 |
| 28 | E3 | 22 | 9 |

JACK PIN LG
CIRCUIT SPECIFICATION 1027600

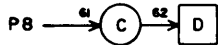
LS 63049300
ASSY

D
REV

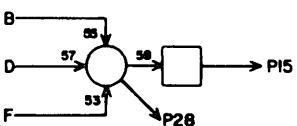
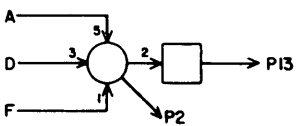
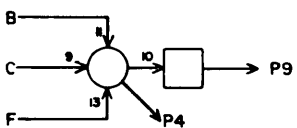
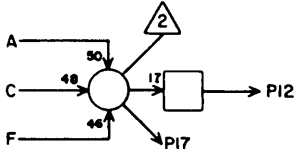
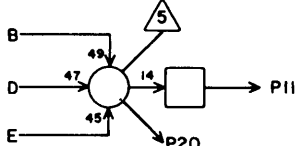
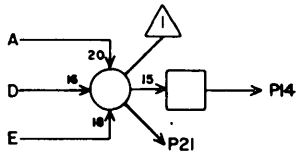
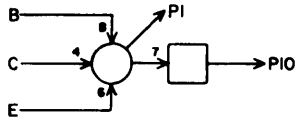
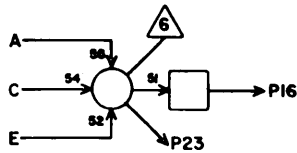
Bit 6



Bit 7



Bit 8



IV

D8

X7XX

X2XX

XIXX

XOXX

| | | | |
|----|-----|----|----|
| 1 | | | |
| 2 | | | |
| 3 | | | |
| 4 | | | |
| 5 | | | |
| 6 | C12 | 8 | 9 |
| 7 | | | |
| 8 | C12 | 6 | 9 |
| 9 | B8 | 20 | 9 |
| 10 | | | |
| 11 | | | |
| 12 | | | |
| 13 | B8 | 23 | 9 |
| 14 | | | |
| 15 | B8 | 27 | 9 |
| 16 | A6 | 13 | 13 |
| 17 | | | |
| 18 | | | |
| 19 | | | |
| 20 | | | |
| 21 | | | |
| 22 | | | |
| 23 | | | |
| 24 | | | |
| 25 | | | |
| 26 | C11 | 25 | 9 |
| 27 | | | |
| 28 | | | |

JACK PIN LG
CIRCUIT SPECIFICATION 11827600

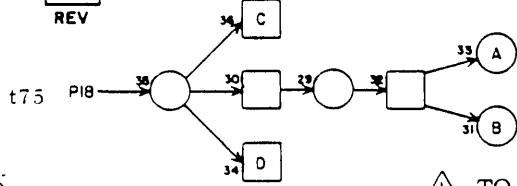
OUTPUT TRANSMITTER

LS 63060900
ASSY

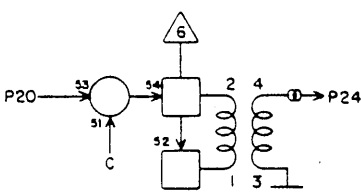
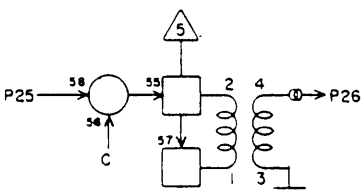
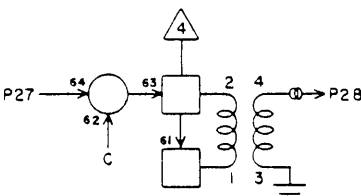
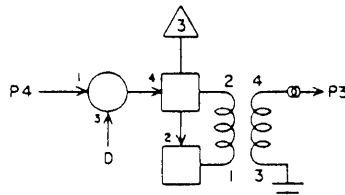
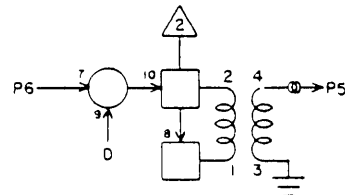
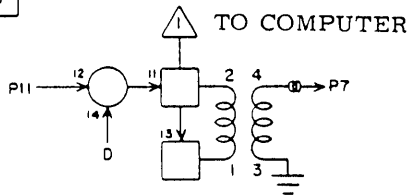
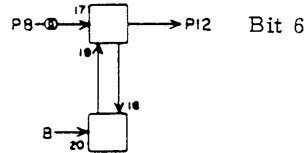
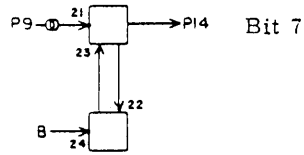
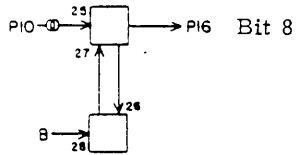
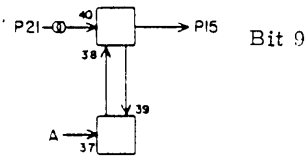
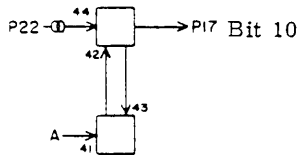
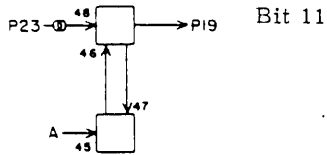
C
REV

QJ

D9



PASS BACK



| | | | |
|----|-----|-----|----|
| 1 | | | |
| 2 | | | |
| 3 | W02 | 99 | |
| 4 | E7 | 10 | 7 |
| 5 | W02 | 900 | |
| 6 | E7 | 8 | 7 |
| 7 | W02 | 901 | |
| 8 | W03 | 96 | |
| 9 | W03 | 97 | |
| 10 | W03 | 98 | |
| 11 | E7 | 9 | 7 |
| 12 | E7 | 27 | 7 |
| 13 | | | |
| 14 | E7 | 28 | 7 |
| 15 | E7 | 12 | 7 |
| 16 | E7 | 17 | 7 |
| 17 | E7 | 1 | 7 |
| 18 | D7 | 22 | 96 |
| 19 | E7 | 2 | 5 |
| 20 | E7 | 20 | 7 |
| 21 | W03 | 99 | |
| 22 | W03 | 900 | |
| 23 | W03 | 901 | |
| 24 | W02 | 96 | |
| 25 | E7 | 21 | 7 |
| 26 | W02 | 97 | |
| 27 | E7 | 19 | 7 |
| 28 | W02 | 98 | |

JACK PIN LG
CIRCUIT SPECIFICATION 1027600

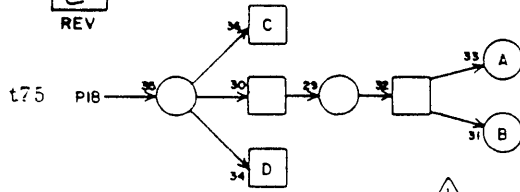
OUTPUT TRANSMITTER

LS 63060900
ASSY

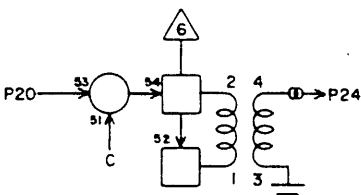
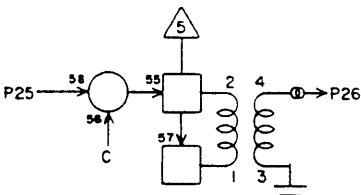
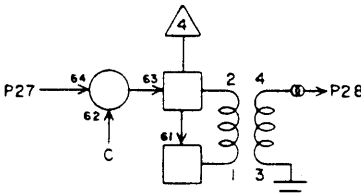
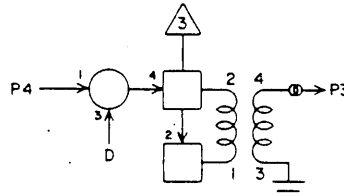
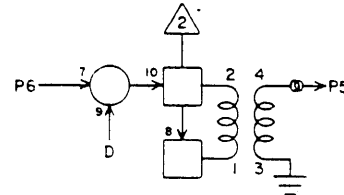
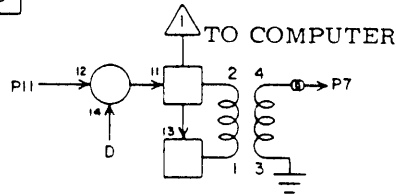
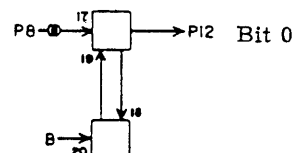
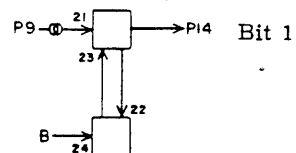
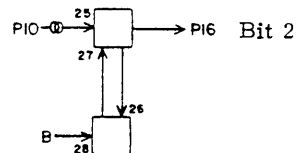
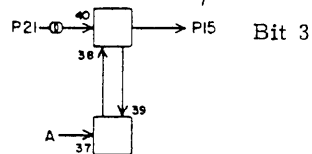
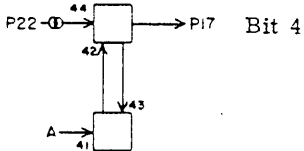
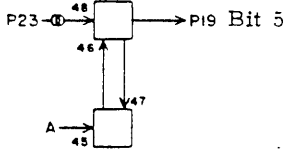
C
REV

QJ

D10



PASS BACK



| | | | |
|----|-----|----|----|
| 1 | | | |
| 2 | | | |
| 3 | W02 | 93 | |
| 4 | E8 | 10 | 7 |
| 5 | W02 | 94 | |
| 6 | E8 | 8 | 7 |
| 7 | W02 | 95 | |
| 8 | W03 | 90 | |
| 9 | W03 | 91 | |
| 10 | W03 | 92 | |
| 11 | E8 | 9 | 7 |
| 12 | E8 | 27 | 7 |
| 13 | | | |
| 14 | E8 | 28 | 7 |
| 15 | E8 | 12 | 7 |
| 16 | E8 | 17 | 7 |
| 17 | E8 | 1 | 5 |
| 18 | D7 | 20 | 96 |
| 19 | E8 | 2 | 7 |
| 20 | E8 | 20 | 7 |
| 21 | W03 | 93 | |
| 22 | W03 | 94 | |
| 23 | W03 | 95 | |
| 24 | W02 | 90 | |
| 25 | E8 | 21 | 7 |
| 26 | W02 | 91 | |
| 27 | E8 | 19 | 5 |
| 28 | W02 | 92 | |

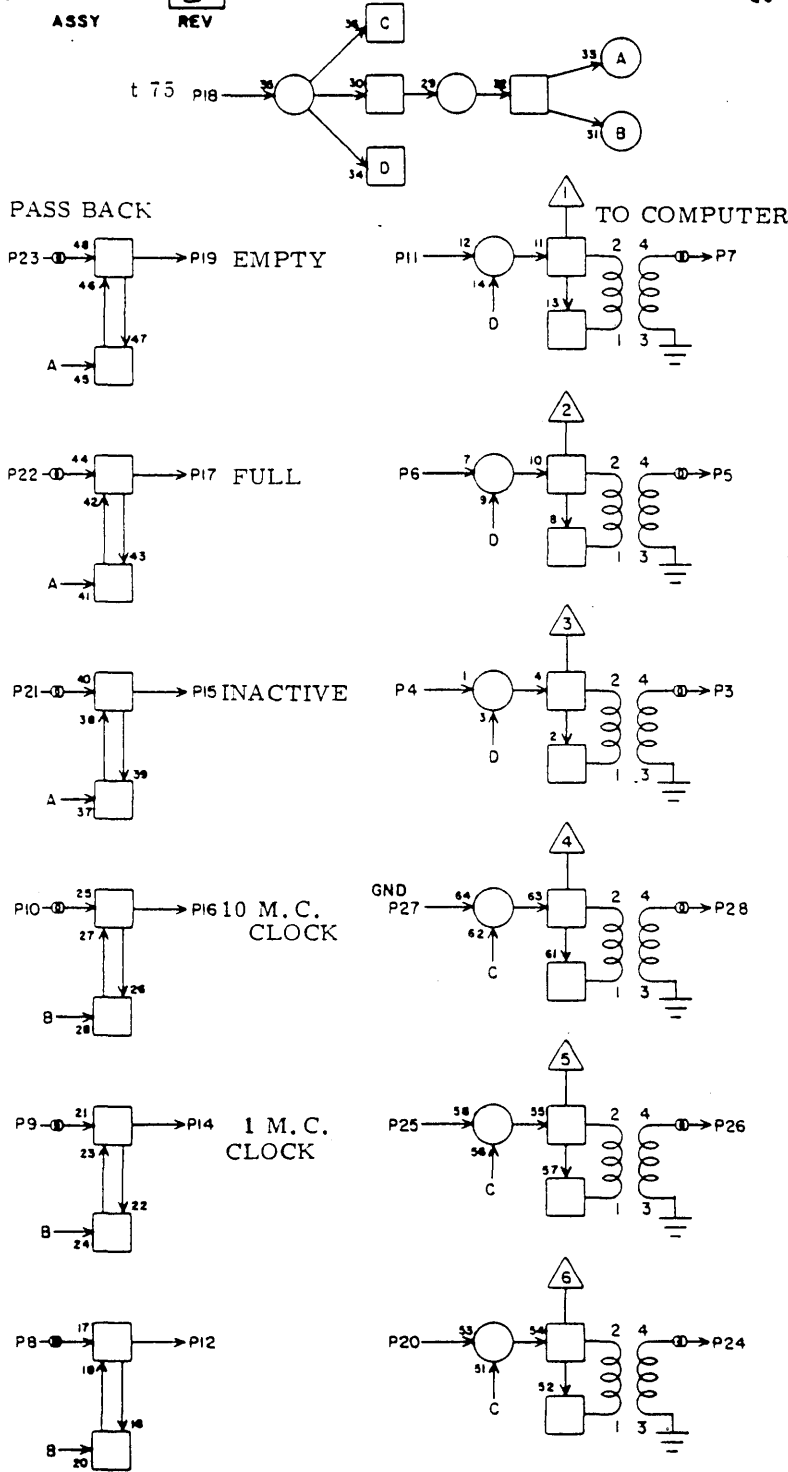
JACK PIN LG
CIRCUIT SPECIFICATION IIS27600

LS 63060900
ASSY

C
REV

QJ

D11



| | | | |
|----|-----|-----|----|
| 1 | | | |
| 2 | | | |
| 3 | W02 | 903 | |
| 4 | E9 | 1 | 5 |
| 5 | W02 | 904 | |
| 6 | E9 | 28 | 7 |
| 7 | W02 | 905 | |
| 8 | | | |
| 9 | | | |
| 10 | | | |
| 11 | E9 | 3 | 5 |
| 12 | | | |
| 13 | | | |
| 14 | | | |
| 15 | E9 | 6 | 5 |
| 16 | | | |
| 17 | A07 | 23 | 13 |
| 18 | D7 | 18 | 5 |
| 19 | E9 | 10 | 5 |
| 20 | | | |
| 21 | W03 | 903 | |
| 22 | W03 | 904 | |
| 23 | W03 | 905 | |
| 24 | | | |
| 25 | C9 | 20 | 7 |
| 26 | W03 | 907 | |
| 27 | Gnd | | 2 |
| 28 | W03 | 906 | |

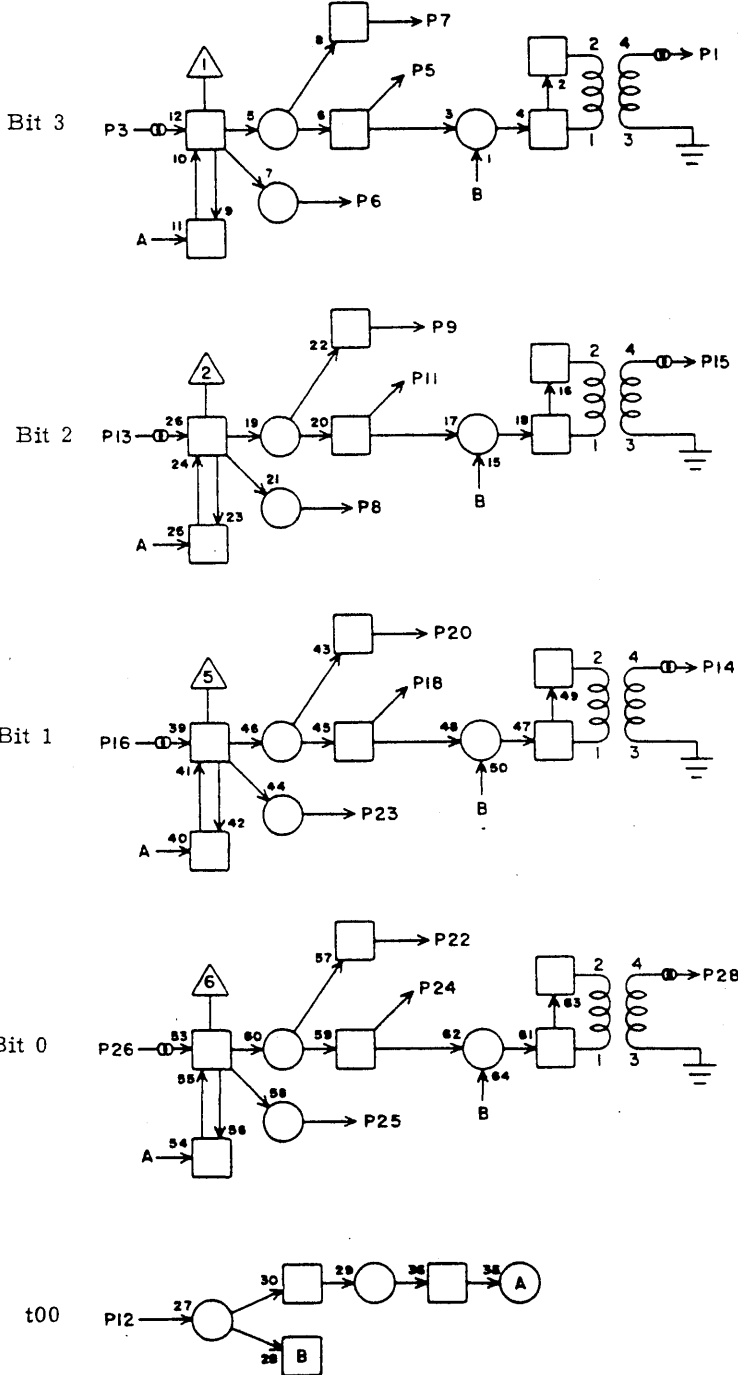
JACK PIN LG
CIRCUIT SPECIFICATION 11827600

LS 63060800 F
 ASSY REV
 FROM COMPUTER

Q1

D12

PASS ON



| | | | |
|----|-----|----|----|
| 1 | W01 | 93 | |
| 2 | | | |
| 3 | W00 | 93 | |
| 4 | | | |
| 5 | C3 | 3 | 15 |
| 6 | | | |
| 7 | C7 | 10 | 9 |
| 8 | | | |
| 9 | C8 | 7 | 7 |
| 10 | | | |
| 11 | C3 | 1 | 15 |
| 12 | D6 | 11 | 7 |
| 13 | W00 | 92 | |
| 14 | W01 | 91 | |
| 15 | W01 | 92 | |
| 16 | W00 | 91 | |
| 17 | | | |
| 18 | C3 | 8 | 15 |
| 19 | | | |
| 20 | C8 | 6 | 9 |
| 21 | | | |
| 22 | C8 | 10 | 9 |
| 23 | | | |
| 24 | C3 | 5 | 15 |
| 25 | | | |
| 26 | W00 | 90 | |
| 27 | | | |
| 28 | W01 | 90 | |

JACK PIN LG

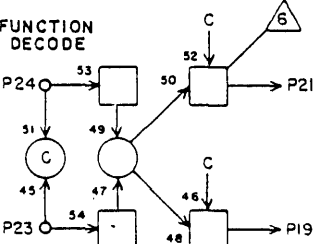
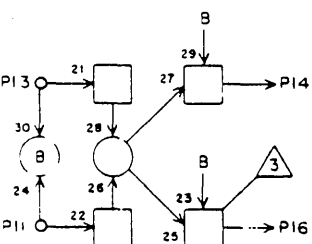
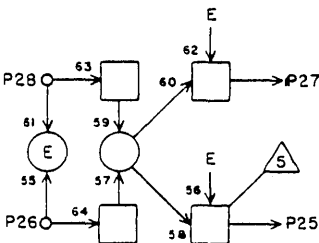
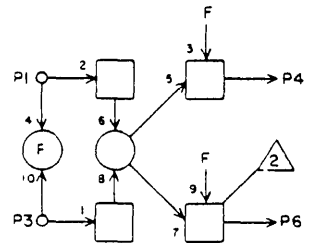
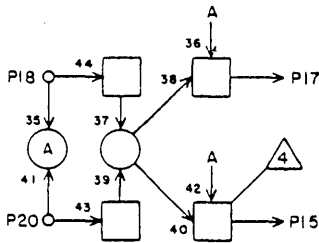
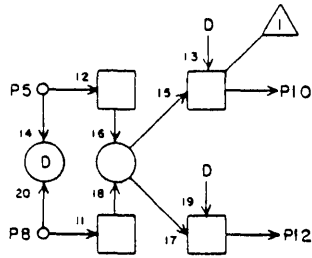
CIRCUIT SPECIFICATION 11827800

LS 52543500
ASSY



AB

E02

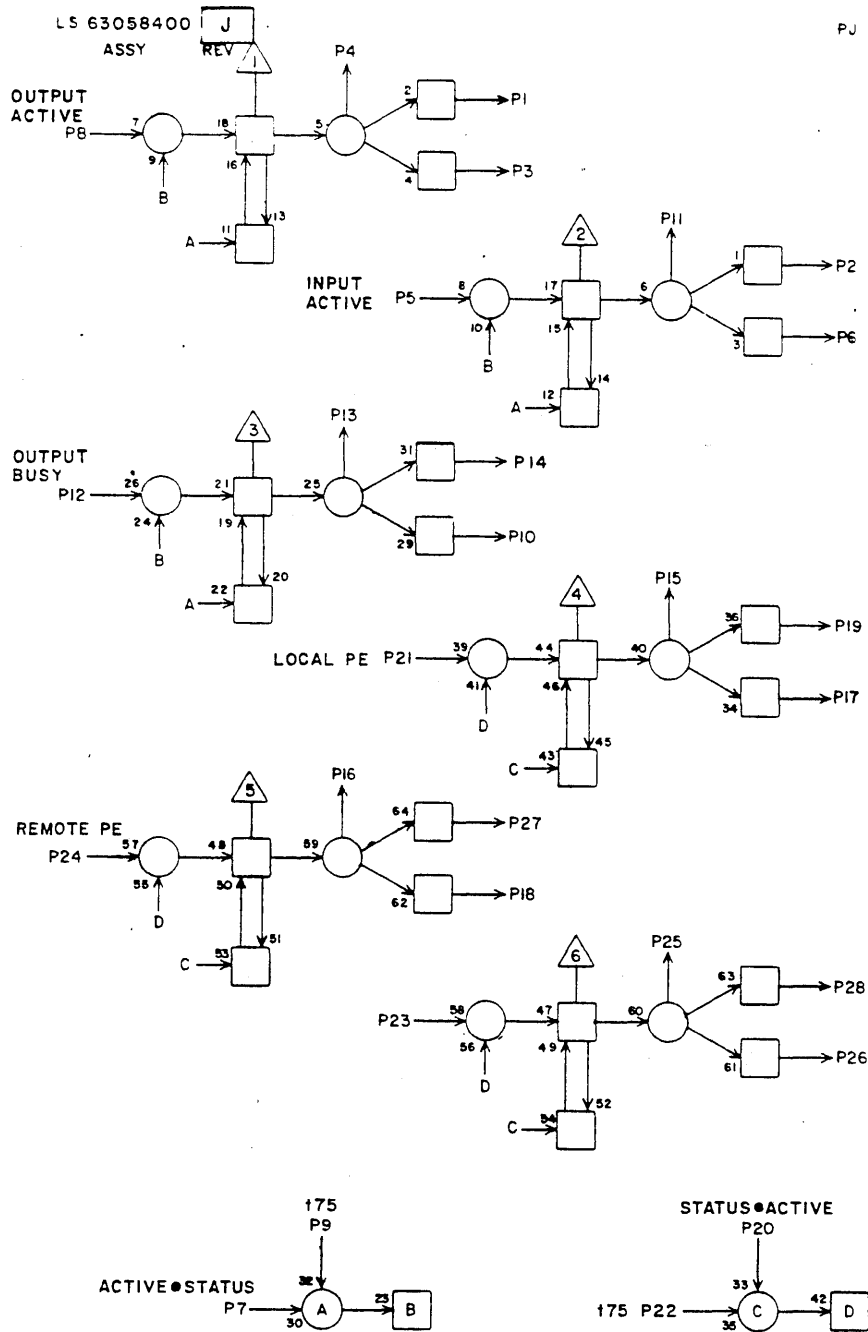


FUNCTION
DECODE

| | | | |
|----|-----|----|----|
| 1 | E3 | 13 | 5 |
| 2 | | | |
| 3 | E3 | 15 | 5 |
| 4 | | | |
| 5 | E3 | 4 | 5 |
| 6 | E2 | 18 | 5 |
| 7 | | | |
| 8 | E3 | 11 | 5 |
| 9 | | | |
| 10 | E2 | 11 | 3 |
| 11 | E2 | 10 | 3 |
| 12 | | | |
| 13 | E3 | 16 | 5 |
| 14 | | | |
| 15 | A2 | 27 | 15 |
| 16 | E2 | 20 | 3 |
| 17 | | | |
| 18 | E2 | 6 | 5 |
| 19 | A3 | 27 | 15 |
| 20 | E2 | 16 | 3 |
| 21 | A6 | 16 | 7 |
| 22 | | | |
| 23 | GND | | 2 |
| 24 | A8 | 17 | 19 |
| 25 | A2 | 20 | 17 |
| 26 | D1 | 11 | 7 |
| 27 | A7 | 24 | 19 |
| 28 | C1 | 14 | 11 |

JACK PIN LG

CIRCUIT SPECIFICATION 11827600



E03

| | | | |
|----|-----|----|----|
| 1 | E8 | 25 | 9 |
| 2 | E8 | 26 | 9 |
| 3 | | | |
| 4 | E2 | 5 | 5 |
| 5 | A11 | 6 | 19 |
| 6 | | | |
| 7 | C1 | 21 | 9 |
| 8 | E4 | 22 | 5 |
| 9 | D7 | 21 | 9 |
| 10 | E8 | 18 | 9 |
| 11 | E2 | 8 | 5 |
| 12 | A9 | 25 | 17 |
| 13 | E2 | 1 | 5 |
| 14 | | | |
| 15 | E2 | 3 | 5 |
| 16 | E2 | 13 | 5 |
| 17 | E8 | 13 | 9 |
| 18 | E8 | 3 | 9 |
| 19 | | | |
| 20 | C1 | 23 | 11 |
| 21 | D2 | 26 | 7 |
| 22 | D7 | 28 | 9 |
| 23 | | | |
| 24 | A1 | 8 | 17 |
| 25 | | | |
| 26 | | | |
| 27 | | | |
| 28 | | | |

JACK PIN LG

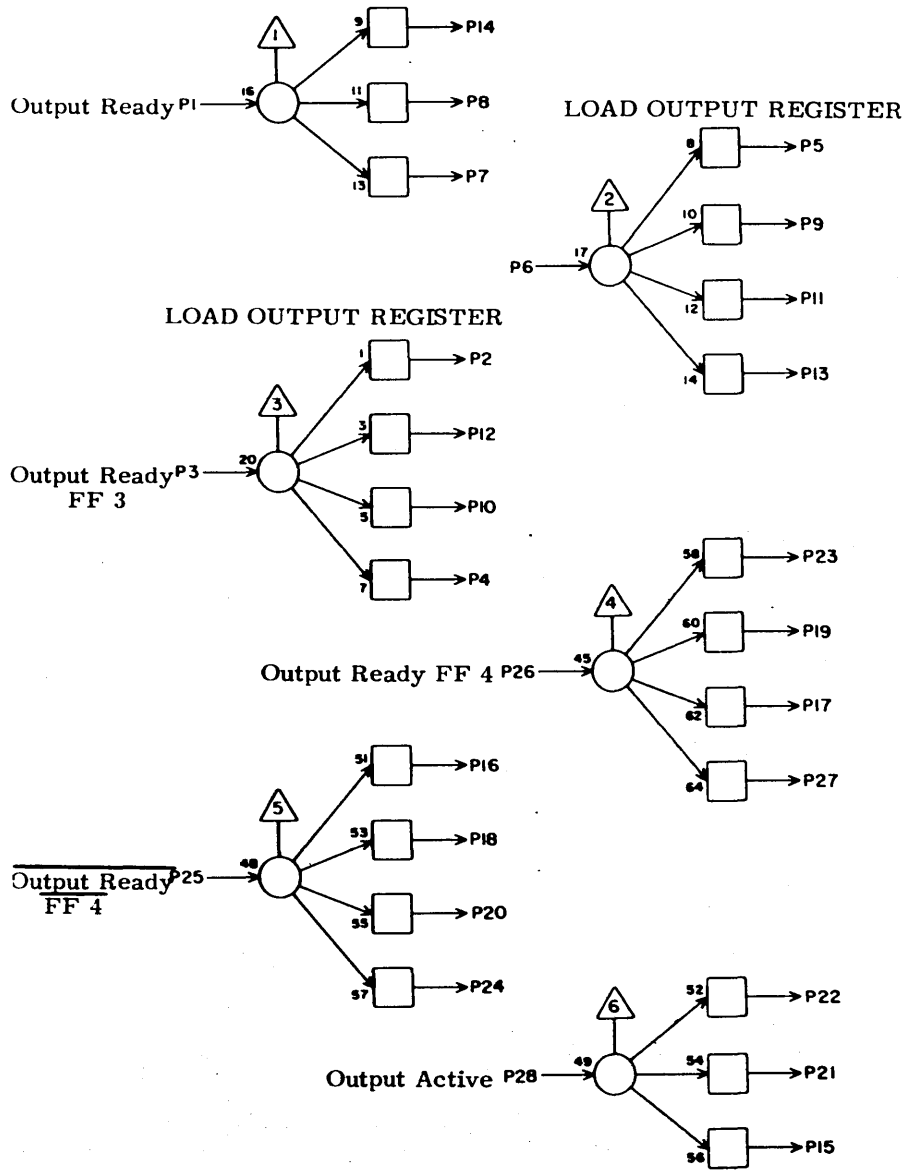
CIRCUIT SPECIFICATION 1182760C

LS 63064000
ASSY

C
REV

TH

E4



| | | | |
|----|-----|----|----|
| 1 | A11 | 25 | 15 |
| 2 | A9 | 11 | 17 |
| 3 | D4 | 25 | 3 |
| 4 | E9 | 7 | 9 |
| 5 | A5 | 7 | 17 |
| 6 | A4 | 10 | 17 |
| 7 | | | |
| 8 | A8 | 1 | 17 |
| 9 | A2 | 7 | 17 |
| 10 | C4 | 3 | 9 |
| 11 | E09 | 9 | 9 |
| 12 | C1 | 25 | 9 |
| 13 | A1 | 27 | 17 |
| 14 | A9 | 12 | 17 |
| 15 | | | |
| 16 | D4 | 21 | 5 |
| 17 | B7 | 25 | 13 |
| 18 | A10 | 12 | 17 |
| 19 | D4 | 28 | 5 |
| 20 | | | |
| 21 | B5 | 11 | 13 |
| 22 | E3 | 8 | 5 |
| 23 | D4 | 7 | 7 |
| 24 | | | |
| 25 | C4 | 1 | 11 |
| 26 | C4 | 8 | 11 |
| 27 | | | |
| 28 | A11 | 4 | 19 |

JACK PIN LG
CIRCUIT SPECIFICATION 11027000

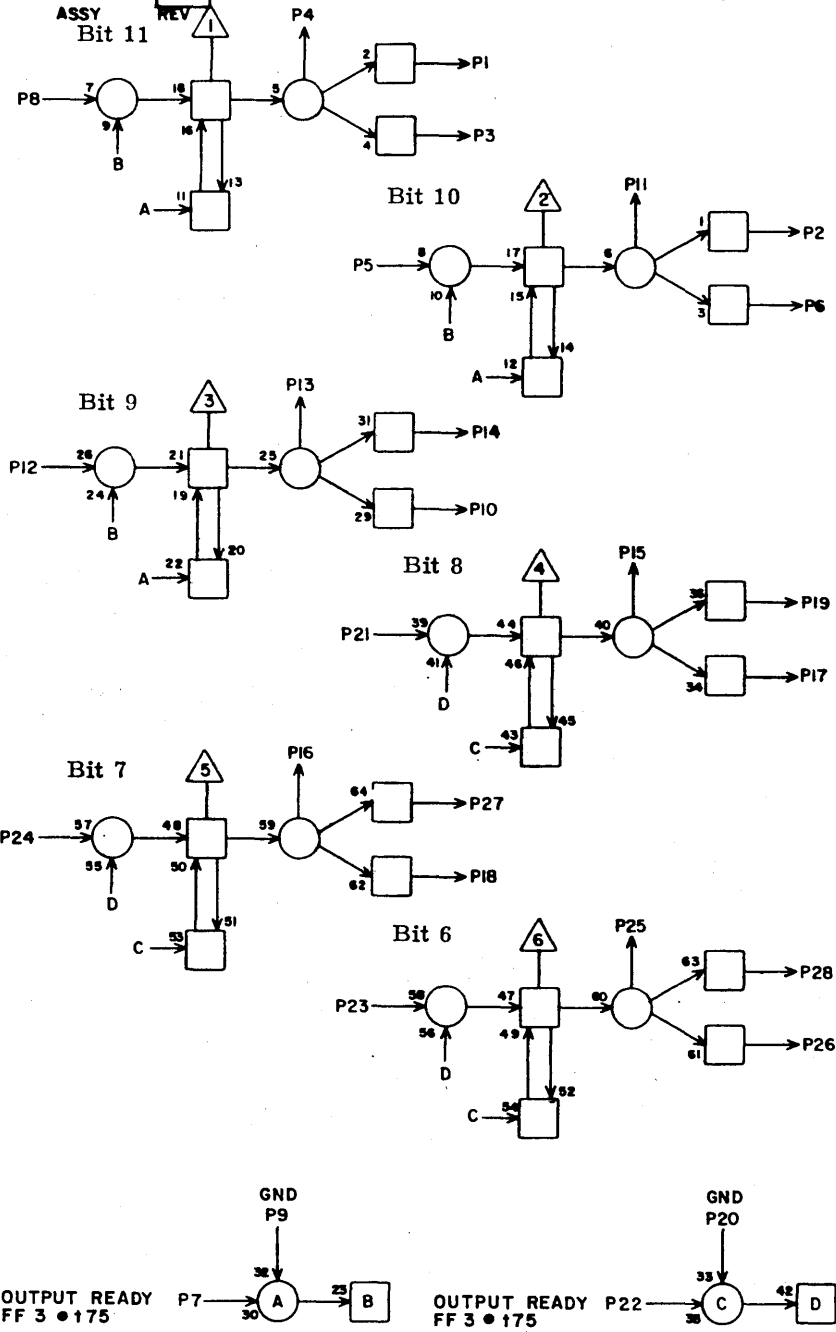
LS 63058400
ASSY
Bit 11



OUTPUT REGISTER

PJ

E5



| | | | |
|----|-----|----|----|
| 1 | E7 | 6 | 5 |
| 2 | E7 | 5 | 5 |
| 3 | | | |
| 4 | | | |
| 5 | B9 | 12 | 13 |
| 6 | | | |
| 7 | C1 | 24 | 11 |
| 8 | B9 | 10 | 13 |
| 9 | GND | | 2 |
| 10 | | | |
| 11 | | | |
| 12 | B9 | 22 | 13 |
| 13 | | | |
| 14 | E7 | 7 | 5 |
| 15 | | | |
| 16 | | | |
| 17 | | | |
| 18 | | | |
| 19 | E7 | 22 | 5 |
| 20 | GND | | 2 |
| 21 | B10 | 10 | 15 |
| 22 | C1 | 22 | 11 |
| 23 | B10 | 22 | 13 |
| 24 | B10 | 12 | 15 |
| 25 | | | |
| 26 | | | |
| 27 | E7 | 24 | 5 |
| 28 | E7 | 23 | 5 |

JACK PIN LG
CIRCUIT SPECIFICATION 11827600

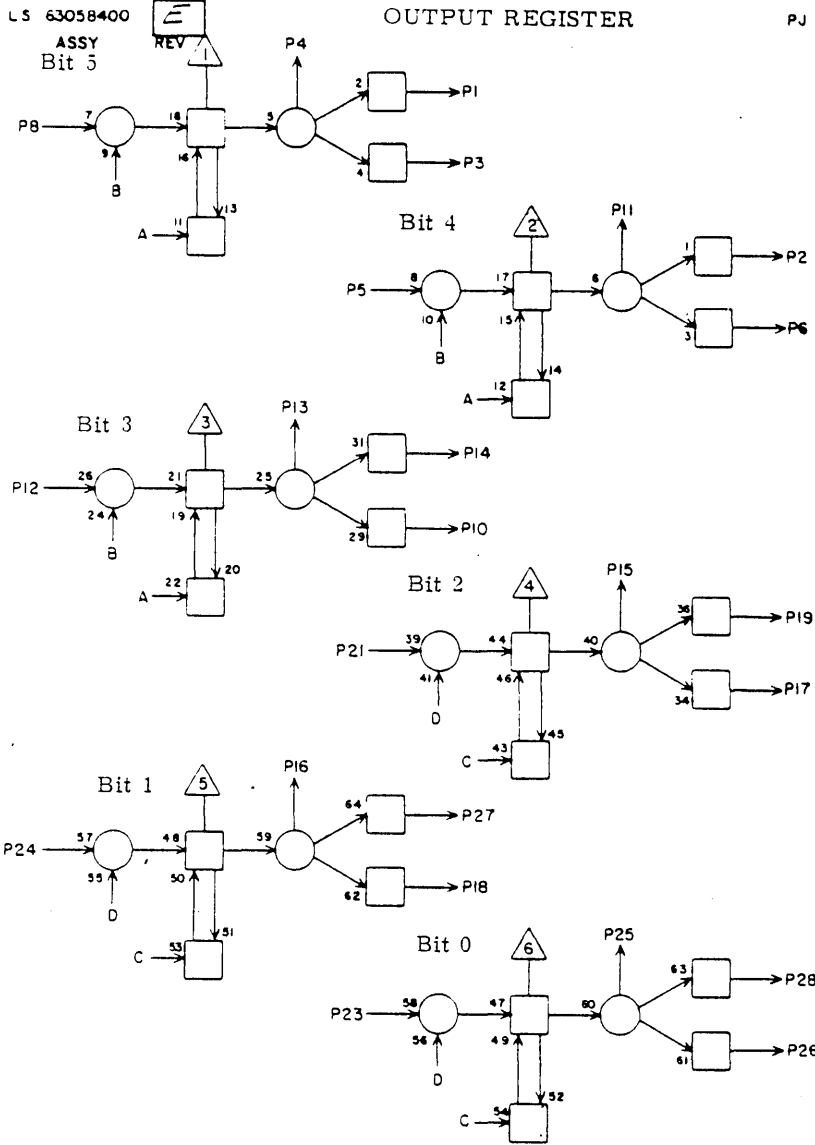
6682/83 COUPLER

LS 63058400
ASSY
Bit 5

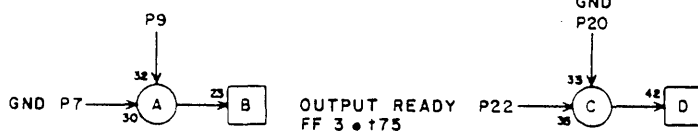
OUTPUT REGISTER

PJ

E6



Output Ready FF 3 • t75



| | | | |
|----|-----|----|----|
| 1 | E8 | 6 | 5 |
| 2 | E8 | 5 | 5 |
| 3 | | | |
| 4 | | | |
| 5 | B11 | 12 | 13 |
| 6 | | | |
| 7 | GND | | 2 |
| 8 | B11 | 10 | 13 |
| 9 | C1 | 20 | 11 |
| 10 | | | |
| 11 | | | |
| 12 | B11 | 22 | 13 |
| 13 | | | |
| 14 | E8 | 7 | 5 |
| 15 | | | |
| 16 | | | |
| 17 | | | |
| 18 | | | |
| 19 | E8 | 22 | 5 |
| 20 | GND | | 2 |
| 21 | B12 | 10 | 15 |
| 22 | C1 | 18 | 13 |
| 23 | B12 | 22 | 15 |
| 24 | B12 | 12 | 15 |
| 25 | | | |
| 26 | | | |
| 27 | E8 | 24 | 5 |
| 28 | E8 | 23 | 5 |

JACK PIN LG
CIRCUIT SPECIFICATION 10827600

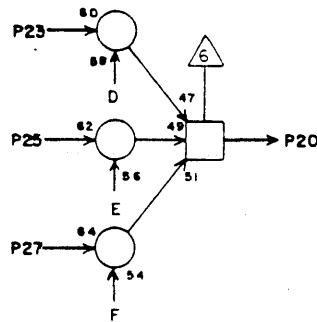
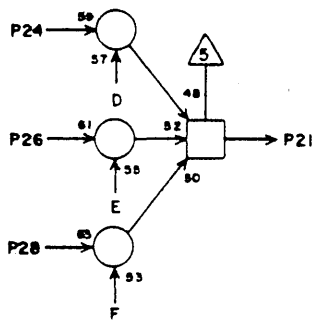
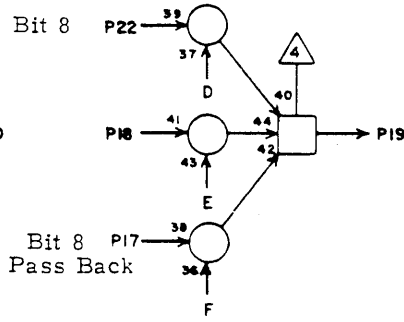
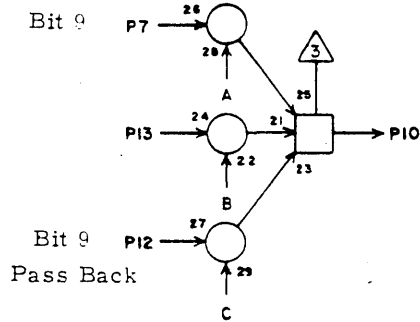
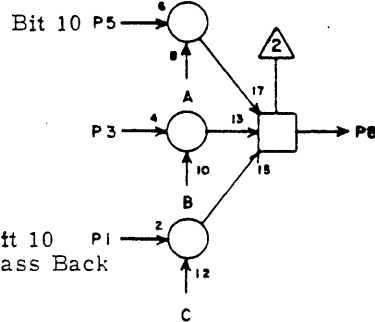
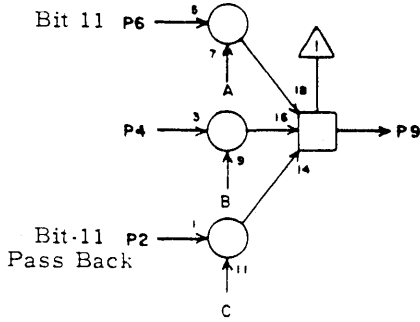
LS 63063700
ASSY

C
REV

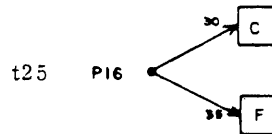
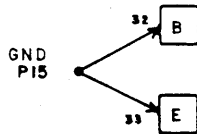
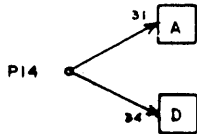
STATUS AND DATA FAN-IN

TE

E7



Output Ready FF 5



| | | | |
|----|-----|----|---|
| 1 | D9 | 17 | 7 |
| 2 | D9 | 19 | 5 |
| 3 | | | |
| 4 | | | |
| 5 | E5 | 2 | 5 |
| 6 | E5 | 1 | 5 |
| 7 | E5 | 14 | 5 |
| 8 | D9 | 6 | 7 |
| 9 | D9 | 11 | 7 |
| 10 | D9 | 4 | 7 |
| 11 | | | |
| 12 | D9 | 15 | 7 |
| 13 | | | |
| 14 | D5 | 21 | 7 |
| 15 | Gnd | | 2 |
| 16 | D6 | 22 | 5 |
| 17 | D9 | 16 | 7 |
| 18 | | | |
| 19 | D9 | 27 | 7 |
| 20 | D9 | 20 | 7 |
| 21 | D9 | 25 | 7 |
| 22 | E5 | 19 | 5 |
| 23 | E5 | 28 | 5 |
| 24 | E5 | 27 | 5 |
| 25 | | | |
| 26 | | | |
| 27 | D9 | 12 | 7 |
| 28 | D9 | 14 | 7 |

JACK PIN LG
CIRCUIT SPECIFICATION 11827600

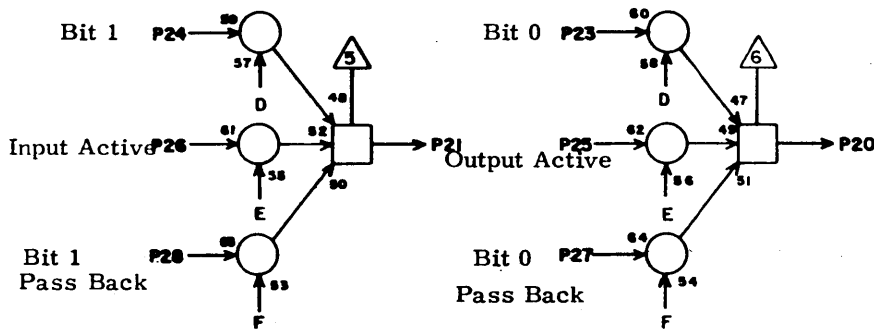
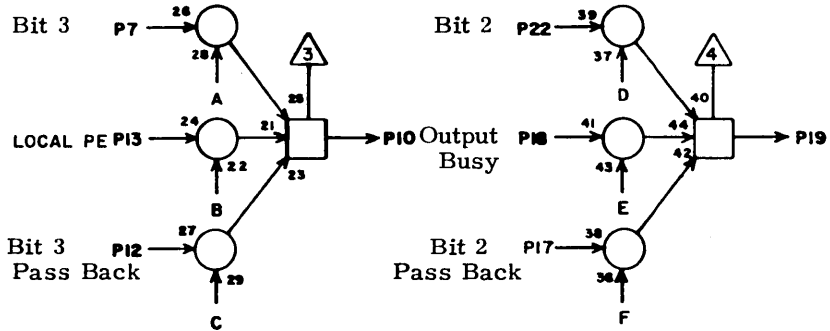
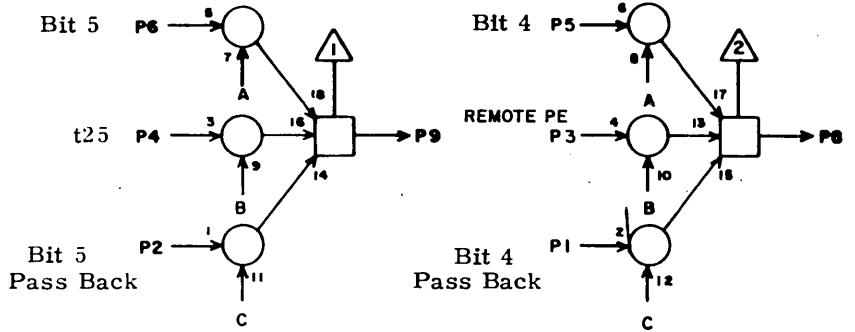
LS 63063700
ASSY

REV C

STATUS AND DATA FAN-IN

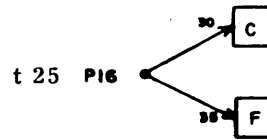
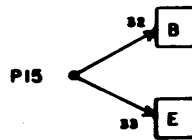
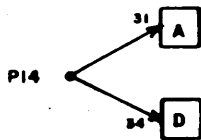
TE

E8



Output Ready FF 5

Output Active FF 3



| | | | |
|----|-----|----|----|
| 1 | D10 | 17 | 5 |
| 2 | D10 | 19 | 7 |
| 3 | E3 | 18 | 9 |
| 4 | D6 | 24 | 5 |
| 5 | E6 | 2 | 5 |
| 6 | E6 | 1 | 5 |
| 7 | E6 | 14 | 5 |
| 8 | D10 | 6 | 7 |
| 9 | D10 | 11 | 7 |
| 10 | D10 | 4 | 7 |
| 11 | | | |
| 12 | D10 | 15 | 7 |
| 13 | E3 | 17 | 9 |
| 14 | D5 | 15 | 9 |
| 15 | A01 | 12 | 19 |
| 16 | D6 | 25 | 5 |
| 17 | D10 | 16 | 7 |
| 18 | E3 | 10 | 9 |
| 19 | D10 | 27 | 5 |
| 20 | D10 | 20 | 7 |
| 21 | D10 | 25 | 7 |
| 22 | E6 | 19 | 5 |
| 23 | E6 | 28 | 5 |
| 24 | E6 | 27 | 5 |
| 25 | E3 | 1 | 9 |
| 26 | E3 | 2 | 9 |
| 27 | D10 | 12 | 7 |
| 28 | D10 | 14 | 7 |

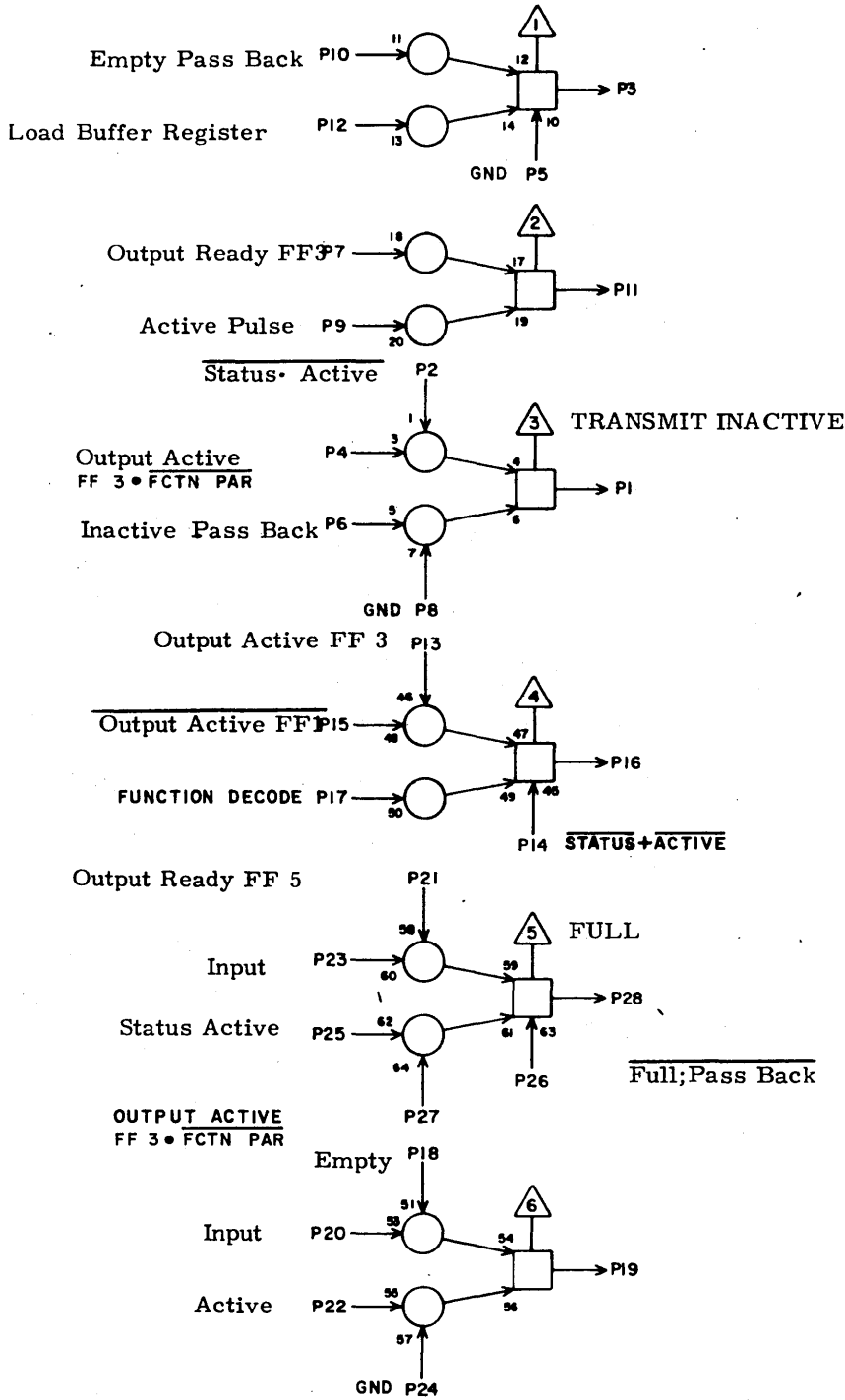
JACK PIN LG
CIRCUIT SPECIFICATION 11627600

LS 63060700
ASSY

REV

TRANSMIT EMPTY ON

E9



| | | | |
|----|-----|----|----|
| 1 | D11 | 4 | 5 |
| 2 | A07 | 19 | 17 |
| 3 | D11 | 11 | 5 |
| 4 | C1 | 7 | 13 |
| 5 | GND | | 2 |
| 6 | D11 | 15 | 5 |
| 7 | E4 | 4 | 9 |
| 8 | GND | | 2 |
| 9 | C09 | 11 | 9 |
| 10 | D11 | 19 | 5 |
| 11 | A9 | 6 | 17 |
| 12 | D5 | 8 | 9 |
| 13 | A9 | 28 | 15 |
| 14 | A07 | 12 | 17 |
| 15 | B5 | 9 | 13 |
| 16 | D4 | 15 | 9 |
| 17 | A8 | 12 | 17 |
| 18 | C10 | 9 | 9 |
| 19 | C4 | 12 | 11 |
| 20 | D5 | 2 | 9 |
| 21 | D5 | 13 | 9 |
| 22 | C09 | 9 | 11 |
| 23 | D5 | 12 | 9 |
| 24 | GND | | 2 |
| 25 | A8 | 20 | 15 |
| 26 | A07 | 13 | 17 |
| 27 | C01 | 5 | 15 |
| 28 | D11 | 6 | 5 |

JACK PIN LG
CIRCUIT SPECIFICATION 11627600

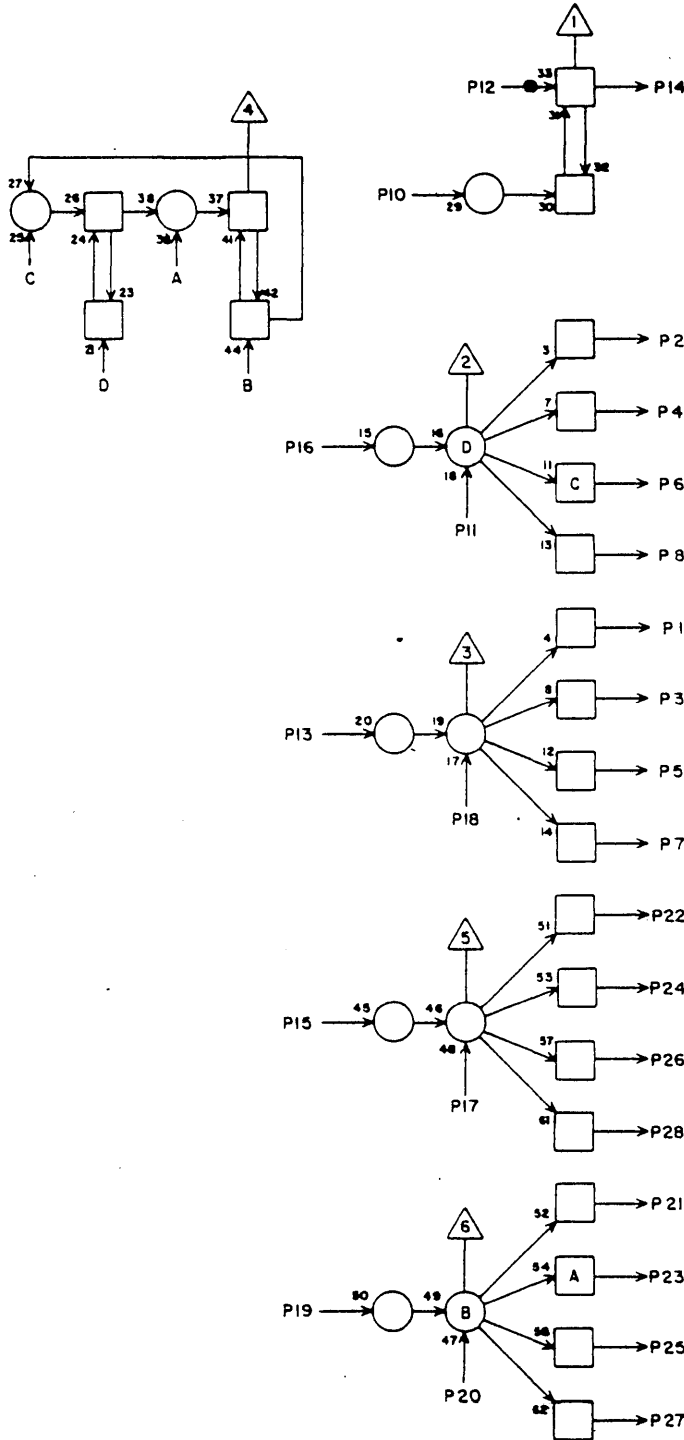
LS 63046200
ASSY

D
REV

HQ

E10

CLOCK



| | | | |
|----|-----|----|----|
| 1 | D6 | 14 | 9 |
| 2 | D6 | 3 | 9 |
| 3 | | | |
| 4 | | | |
| 5 | | | |
| 6 | | | |
| 7 | A7 | 21 | 17 |
| 8 | | | |
| 9 | | | |
| 10 | | | |
| 11 | Gnd | | 2 |
| 12 | | | |
| 13 | E12 | 1 | 7 |
| 14 | | | |
| 15 | E12 | 22 | 7 |
| 16 | E12 | 2 | 7 |
| 17 | Gnd | | 2 |
| 18 | Gnd | | 2 |
| 19 | E12 | 21 | 7 |
| 20 | Gnd | | 2 |
| 21 | D7 | 14 | 9 |
| 22 | D7 | 3 | 9 |
| 23 | | | |
| 24 | | | |
| 25 | | | |
| 26 | | | |
| 27 | | | |
| 28 | | | |

JACK PIN LG
CIRCUIT SPECIFICATION H027000

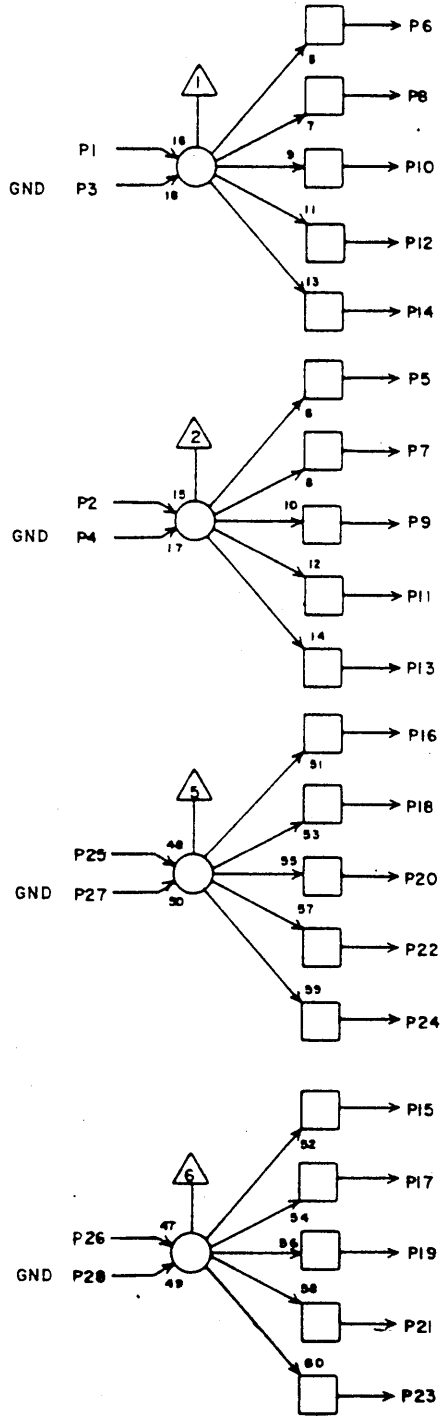
LS 63063600
ASSY

C
REV

CLOCK

TD

E11



| | | | |
|----|-----|----|-----|
| 1 | E12 | 14 | 156 |
| 2 | E11 | 10 | 108 |
| 3 | Gnd | | 2 |
| 4 | Gnd | | 2 |
| 5 | E12 | 16 | 17 |
| 6 | E12 | 19 | 17 |
| 7 | E12 | 18 | 55 |
| 8 | E12 | 11 | 55 |
| 9 | E11 | 25 | 108 |
| 10 | E11 | 2 | 108 |
| 11 | | | |
| 12 | E12 | 10 | 41 |
| 13 | | | |
| 14 | | | |
| 15 | E12 | 15 | 17 |
| 16 | E12 | 13 | 17 |
| 17 | E12 | 20 | 55 |
| 18 | E12 | 17 | 55 |
| 19 | | | |
| 20 | E11 | 26 | 108 |
| 21 | | | |
| 22 | | | |
| 23 | | | |
| 24 | | | |
| 25 | E11 | 9 | 108 |
| 26 | E11 | 20 | 108 |
| 27 | Gnd | | 2 |
| 28 | Gnd | | 2 |

JACK PIN LG
CIRCUIT SPECIFICATION 11827800

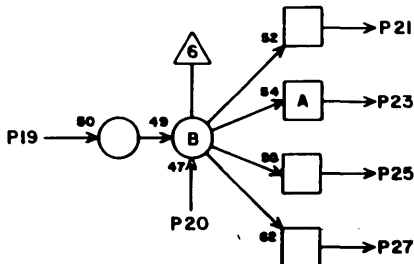
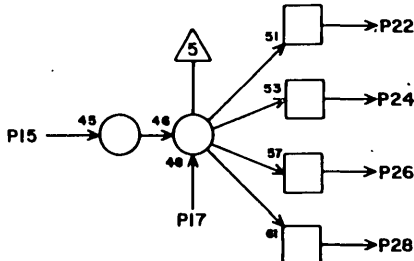
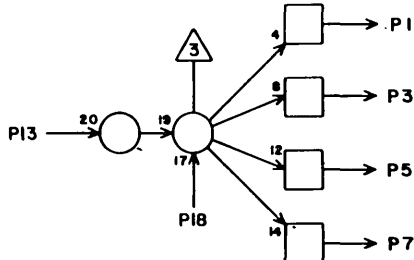
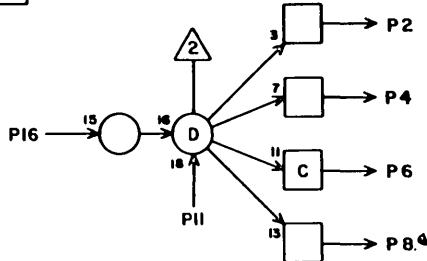
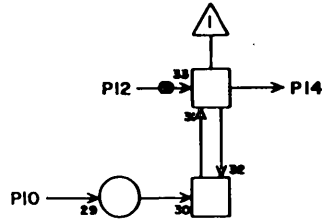
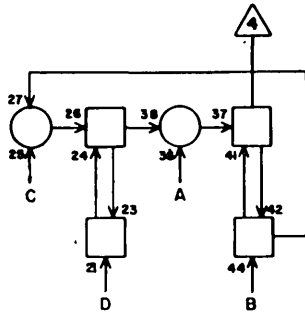
LS 63046200
ASSY

D
REV

CLOCK

HQ

E12



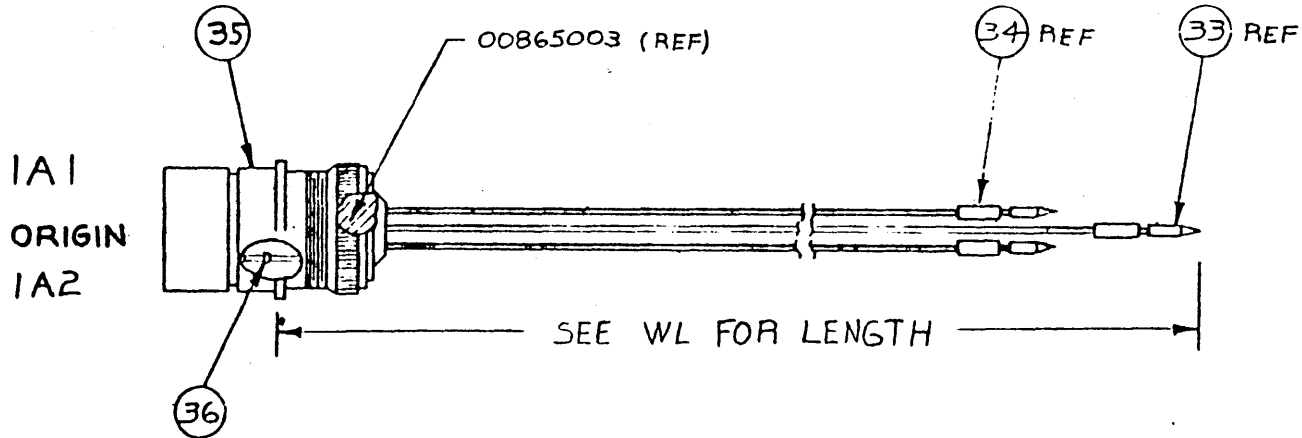
| | | | |
|----|-----|-----|-----|
| 1 | E10 | 13 | 7 |
| 2 | E10 | 16 | 7 |
| 3 | | | |
| 4 | A09 | 8 | 15 |
| 5 | | | |
| 6 | | | |
| 7 | A4 | 27 | 19 |
| 8 | | | |
| 9 | | | |
| 10 | E11 | 12 | 41 |
| 11 | E11 | 8 | 55 |
| 12 | W02 | 906 | |
| 13 | E11 | 16 | 17 |
| 14 | E11 | 1 | 156 |
| 15 | E11 | 15 | 17 |
| 16 | E11 | 5 | 17 |
| 17 | E11 | 18 | 55 |
| 18 | E11 | 7 | 55 |
| 19 | E11 | 6 | 17 |
| 20 | E11 | 17 | 55 |
| 21 | E10 | 19 | 7 |
| 22 | E10 | 15 | 7 |
| 23 | | | |
| 24 | | | |
| 25 | | | |
| 26 | | | |
| 27 | | | |
| 28 | | | |

JACK PIN LG
CIRCUIT SPECIFICATION 11627600

The following list indicates the wiring between logic terminals and the coupler-to-coupler interface connectors. The list also shows the relationship of signals to cable conductors.

GENERAL SUPPLEMENT SHEET

| | | | |
|---------------------------------|-------------------------------|--------------|------|
| CONTROL DATA CORPORATION | CONNECTOR ASSEMBLY- 61 PIN | DOCUMENT NO. | REV. |
| | | A 22747900 | A |
| SHEET 3 OF | | | |



1A1
ORIGIN
1A2

00865003 (REF)

34 REF

33 REF

SEE WL FOR LENGTH

| | |
|-----------------|--------|
| REF DESIGNATION | |
| (FOR REF ONLY) | |
| GROUP | ORIGIN |
| 22747900 | 1A1 |
| 22747900 | 1A2 |

FORM 587

| | | | | | |
|----|------|-------|------|-------|------|
| BY | DATE | CHKD. | DATE | APPD. | DATE |
|----|------|-------|------|-------|------|

60440900 A

| CONTROL DATA | | CONNECTOR ASSEMBLY-61 PIN | | | CODE IDENT | SHEET | 4 | WL | DOCUMENT NO | 22747900 | REV | A |
|-----------------|---------|---------------------------|-------------|-----------------|------------|-------|----------------|-------------|-------------|----------------|---------|---|
| CONDUCTOR IDENT | FIND NO | GAUGE (REF) | COLOR (REF) | LENGTH (APPROX) | ORIGIN | | ACCESS FIND NO | DESTINATION | | ACCESS FIND NO | REMARKS | |
| / | 1 | 24 | 1 | 13 | 1A1 | A1 | 36 | 812 | 21 | 33,34 | BIT 0 + | |
| ↑ | / | ↑ | 92 | 13 | ↑ | A2 | ↑ | 812 | 25 | ↑ | BIT 0 - | |
| ↑ | 2 | ↑ | 1 | 11 | ↑ | A3 | ↑ | 812 | 14 | ↑ | BIT 1 + | |
| ↑ | / | ↑ | 94 | 11 | ↑ | A4 | ↑ | 812 | 13 | ↑ | BIT 1 - | |
| ↑ | 3 | ↑ | 1 | 11 | ↑ | A5 | ↑ | 812 | 6 | ↑ | BIT 2 + | |
| ↑ | / | ↑ | 96 | 11 | ↑ | A6 | ↑ | 812 | 3 | ↑ | BIT 2 - | |
| ↑ | 4 | ↑ | 1 | 12 | ↑ | A7 | ↑ | 811 | 21 | ↑ | BIT 3 + | |
| ↑ | / | ↑ | 98 | 12 | ↑ | A8 | ↑ | 811 | 25 | ↑ | BIT 3 - | |
| ↑ | 5 | ↑ | 1 | 12 | ↑ | A9 | ↑ | 811 | 14 | ↑ | BIT 4 + | |
| ↑ | / | ↑ | 90 | 12 | ↑ | A10 | ↑ | 811 | 13 | ↑ | BIT 4 - | |
| ↑ | 6 | ↑ | 2 | 12 | ↑ | B1 | ↑ | 811 | 6 | ↑ | BIT 5 + | |
| ↑ | / | ↑ | 92 | 12 | ↑ | B2 | ↑ | 811 | 3 | ↑ | BIT 5 - | |
| ↑ | 7 | ↑ | 2 | 13 | ↑ | B3 | ↑ | 810 | 21 | ↑ | BIT 6 + | |
| ↑ | / | ↑ | 94 | 13 | ↑ | B4 | ↑ | 810 | 25 | ↑ | BIT 6 - | |
| ↑ | 8 | ↑ | 2 | 13 | ↑ | B5 | ↑ | 810 | 14 | ↑ | BIT 7 + | |
| ↑ | / | ↑ | 96 | 13 | ↑ | B6 | ↑ | 810 | 13 | ↑ | BIT 7 - | |
| ↑ | 9 | ↑ | 2 | 13 | ↑ | B7 | ↑ | 810 | 6 | ↑ | BIT 8 - | |
| / | / | 24 | 98 | 13 | 1A1 | B8 | 36 | 810 | 3 | 33,34 | BIT 8 - | |

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| CONTROL DATA | | | | | CONNECTOR ASSEMBLY-61 PIN | | CODE IDENT | | SHEET 5 | | WL | | DOCUMENT NO 22747900 | | REV A |
|-----------------|---------|-------------|-------------|-----------------|---------------------------|-----|----------------|-------------|---------|----------------|----------------------|--|-------------------------|--|----------|
| CONDUCTOR IDENT | FIND NO | GAUGE (REF) | COLOR (REF) | LENGTH (APPROX) | ORIGIN | | ACCESS FIND NO | DESTINATION | | ACCESS FIND NO | REMARKS | | | | |
| | 10 | 24 | 2 | 14 | 1A1 | B9 | 36 | B9 | 21 | 33,34 | BIT 9 + | | | | |
| | | 24 | 90 | 14 | 1A1 | B10 | | B9 | 25 | 33,34 | BIT 9 - | | | | |
| | 11 | 24 | 3 | 14 | 1A1 | C1 | | B9 | 14 | 33,34 | BIT 10 + | | | | |
| | | 24 | 92 | 14 | 1A1 | C2 | | B9 | 13 | 33,34 | BIT 10 - | | | | |
| | 12 | 24 | 3 | 13 | 1A1 | C3 | | B9 | 6 | 33,34 | BIT 11 + | | | | |
| | | 24 | 94 | 13 | 1A1 | C4 | | B9 | 3 | 33,34 | BIT 11 - | | | | |
| | 31 | 24 | 2 | 9 1/2 | 1A1 | F9 | | TB1 | 2 | 33,34 | +20V TAPER PIN BLOCK | | | | |
| | 32 | 24 | 6 | 8 1/2 | 1A1 | F10 | | TB3 | 2 | 33,34 | -20V TAPER PIN BLOCK | | | | |
| | 30 | 24 | 0 | 10 1/2 | 1A1 | GND | | TB2 | 2 | 33,34 | | | | | |
| | 22 | 24 | 5 | 15 | 1A1 | E3 | | A05 | 14 | 33,34 | PARITY ERROR + | | | | |
| | | 24 | 94 | 15 | 1A1 | E4 | | A05 | 13 | 33,34 | PARITY ERROR - | | | | |
| | 23 | 24 | 5 | 15 | 1A1 | E5 | | A05 | 21 | 33,34 | PARITY BIT + | | | | |
| | | 24 | 96 | 15 | 1A1 | E6 | | A05 | 25 | 33,34 | PARITY BIT - | | | | |
| | 24 | 24 | 5 | 15 | 1A1 | E7 | 36 | A05 | 8 | 33,34 | MASTER CLEAR + | | | | |
| | | 24 | 98 | 15 | 1A1 | E8 | 36 | A05 | 3 | 33,34 | MASTER CLEAR - | | | | |
| | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |

60440900 A

| CONNECTOR ASSEMBLY-61 PIN | | | | | CODE IDENT | | SHEET | | WL | | DOCUMENT NO | REV |
|---------------------------|---------|-------------|-------------|-----------------|------------|-----|----------------|-------------|----|----------------|------------------------|-----|
| | | | | | | | 6 | | | | 22747900 | A |
| CONDUCTOR IDENT | FIND NO | GAUGE (REF) | COLOR (REF) | LENGTH (APPROX) | ORIGIN | | ACCESS FIND NO | DESTINATION | | ACCESS FIND NO | REMARKS | |
| / | 13 | 24 | 3 | 10 | 1A1 | C5 | 36 | A12 | 20 | 33,34 | OUTPUT ACTIVE TRANSMIT | |
| ↑ | / | ↑ | 96 | 10 | ↑ | C6 | ↑ | A12 | 17 | ↑ | | |
| ↑ | 14 | ↑ | 3 | 11 | ↑ | C7 | ↑ | A11 | 7 | ↑ | OUTPUT ACTIVE RECEIVE | |
| ↑ | / | ↑ | 98 | 11 | ↑ | C8 | ↑ | A11 | 11 | ↑ | | |
| ↑ | 15 | ↑ | 3 | 10 | ↑ | C9 | ↑ | A12 | 21 | ↑ | INPUT ACTIVE TRANSMIT | |
| ↑ | / | ↑ | 90 | 10 | ↑ | C10 | ↑ | A12 | 24 | ↑ | | |
| ↑ | 16 | ↑ | 4 | 10 | ↑ | D1 | ↑ | A11 | 21 | ↑ | INPUT ACTIVE RECEIVE | |
| ↑ | / | ↑ | 92 | 10 | ↑ | D2 | ↑ | A11 | 17 | ↑ | | |
| ↑ | 17 | ↑ | 4 | 10 | ↑ | D3 | ↑ | A12 | 5 | ↑ | OUTPUT READY TRANSMIT | |
| ↑ | / | ↑ | 94 | 10 | ↑ | D4 | ↑ | A12 | 2 | ↑ | | |
| ↑ | 18 | ↑ | 4 | 11 | ↑ | D5 | ↑ | A11 | 24 | ↑ | OUTPUT READY RECEIVE | |
| ↑ | / | ↑ | 96 | 11 | ↑ | D6 | ↑ | A11 | 20 | ↑ | | |
| ↑ | 19 | ↑ | 4 | 10 | ↑ | D7 | ↑ | A12 | 6 | ↑ | INPUT REQUEST TRANSMIT | |
| ↑ | / | ↑ | 98 | 10 | ↑ | D8 | ↑ | A12 | 13 | ↑ | | |
| ↑ | 20 | ↑ | 4 | 11 | ↑ | D9 | ↑ | A11 | 10 | ↑ | INPUT REQUEST RECEIVE | |
| / | / | 24 | 90 | 11 | 1A1 | D10 | 36 | A11 | 14 | 33,34 | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |

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| CONNECTOR ASSEMBLY - 61 PIN | | | | | CODE IDENT | | SHEET 7 | | WL | DOCUMENT NO. 22747900 | REV A |
|-----------------------------|--------------|---------------|--------------|-----------------|----------------|-----|-----------------|-------------|----|--------------------------|----------|
| CONDUCTOR IDENT. | FIND NO. | GAUGE (REF.) | COLOR (REF.) | LENGTH (APPROX) | ORIGIN | | ACCESS FIND NO. | DESTINATION | | ACCESS FIND NO. | REMARKS |
| 1 | 1 | 24 | 1 | 13 | 1A2 | A1 | 36 | B12 | 23 | 33,34 | BIT 0 + |
| 1 | 1 | 24 | 92 | 13 | 1A2 | A2 | 36 | B12 | 27 | 33,34 | BIT 0 - |
| 2 | 2 | 24 | 1 | 11 | 1A2 | A3 | 36 | B12 | 16 | 33,34 | BIT 1 + |
| 2 | 2 | 24 | 94 | 11 | 1A2 | A4 | 36 | B12 | 15 | 33,34 | BIT 1 - |
| 3 | 3 | 24 | 1 | 11 | 1A2 | A5 | 36 | B12 | 8 | 33,34 | BIT 2 + |
| 3 | 3 | 24 | 96 | 11 | 1A2 | A6 | 36 | B12 | 5 | 33,34 | BIT 2 - |
| 4 | 4 | 24 | 1 | 12 | 1A2 | A7 | 36 | B11 | 23 | 33,34 | BIT 3 + |
| 4 | 4 | 24 | 98 | 12 | 1A2 | A8 | 36 | B11 | 27 | 33,34 | BIT 3 - |
| 5 | 5 | 24 | 1 | 12 | 1A2 | A9 | 36 | B11 | 16 | 33,34 | BIT 4 + |
| 5 | 5 | 24 | 90 | 12 | 1A2 | A10 | 36 | B11 | 15 | 33,34 | BIT 4 - |
| 6 | 6 | 24 | 2 | 12 | 1A2 | B1 | 36 | B11 | 8 | 33,34 | BIT 5 + |
| 6 | 6 | 24 | 92 | 12 | 1A2 | B2 | 36 | B11 | 5 | 33,34 | BIT 5 - |
| 7 | 7 | 24 | 2 | 13 | 1A2 | B3 | 36 | B10 | 23 | 33,34 | BIT 6 + |
| 7 | 7 | 24 | 94 | 13 | 1A2 | B4 | 36 | B10 | 27 | 33,34 | BIT 6 - |
| 8 | 8 | 24 | 2 | 13 | 1A2 | B5 | 36 | B10 | 16 | 33,34 | BIT 7 + |
| 8 | 8 | 24 | 96 | 13 | 1A2 | B6 | 36 | B10 | 15 | 33,34 | BIT 7 - |
| 9 | 9 | 24 | 2 | 13 | 1A2 | B7 | 36 | B10 | 8 | 33,34 | BIT 8 + |
| 9 | 9 | 24 | 98 | 13 | 1A2 | B8 | 36 | B10 | 5 | 33,34 | BIT 8 - |

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| CONNECTOR ASSEMBLY-61 PIN | | | | | CODE IDENT | SHEET 8 | WL | DOC | T NO. | REV. |
|---------------------------|---------|-------------|-------------|-----------------|------------|----------------|-------------|----------------|---------|----------------------|
| CONDUCTOR IDENT | FIND NO | GAUGE (REF) | COLOR (REF) | LENGTH (APPROX) | ORIGIN | ACCESS FIND NO | DESTINATION | ACCESS FIND NO | REMARKS | |
| / | 10 | 24 | 2 | 13 | 1A2 | B9 | B9 | 23 | 33,34 | BIT 8 + |
| ↑ | / | ↑ | 90 | 13 | ↑ | B10 | ↑ | 27 | ↑ | BIT 9 - |
| ↑ | 11 | ↑ | 3 | 14 | ↑ | C1 | ↑ | 16 | ↑ | BIT 10 + |
| ↑ | / | ↑ | 92 | 14 | ↑ | C2 | ↑ | 15 | ↑ | BIT 10 - |
| ↑ | 12 | ↑ | 3 | 13 | ↑ | C3 | ↓ | 8 | ↓ | BIT 11 + |
| ↑ | / | ↑ | 94 | 13 | ↑ | C4 | B9 | 5 | 33,34 | BIT 11 - |
| ↑ | 31 | ↑ | 2 | 10 | ↑ | F9 | T81 | 3 | 33,34 | -20V TAPER PIN BLOCK |
| ↑ | 32 | ↑ | 6 | 1/2 | ↑ | F10 | T83 | 3 | 33,34 | -20V TAPER PIN BLOCK |
| ↑ | 30 | ↑ | 0 | 1/2 | ↑ | GND | T82 | 3 | 33,34 | |
| ↑ | 22 | ↑ | 5 | 15 | ↑ | E3 | A05 | 14 | 33,34 | PARITY ERROR + |
| ↑ | / | ↑ | 94 | 15 | ↑ | E4 | A05 | 15 | 33,34 | PARITY ERROR - |
| ↑ | 23 | ↑ | 5 | 15 | ↑ | E5 | A05 | 23 | 33,34 | PARITY BIT + |
| ↑ | / | ↑ | 96 | 15 | ↑ | E6 | A05 | 27 | 34,34 | PARITY BIT - |
| ↓ | 24 | ↓ | 5 | 15 | ↓ | E7 | A05 | 8 | 33,34 | MASTER CLEAR + |
| / | / | 24 | 98 | 15 | 1A2 | E8 | A05 | 5 | 33,34 | MASTER CLEAR - |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |

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| CONDUCTOR DATA | | | | | CONNECTOR ASSEMBLY-61 PIN | CODE IDENT | SHEET | 9 | WL | DOCUMENT NO | 22747900 | REV | A |
|-----------------|---------|-------------|-------------|-----------------|---------------------------|------------|----------------|-------------|----|----------------|------------------------|-----|---|
| CONDUCTOR IDENT | FIND NO | GAUGE (REF) | COLOR (REF) | LENGTH (APPROX) | ORIGIN | | ACCESS FIND NO | DESTINATION | | ACCESS FIND NO | REMARKS | | |
| / | 13 | 24 | 3 | 10 | 1A2 | C5 | 36 | A11 | 5 | 33,34 | OUTPUT ACTIVE RECEIVE | | |
| ↑ | / | ↑ | 96 | 10 | ↑ | C6 | ↑ | A11 | 9 | ↑ | | | |
| ↑ | 14 | / | 3 | 12 | ↑ | C7 | ↑ | A12 | 22 | ↑ | OUTPUT ACTIVE TRANSMIT | | |
| ↑ | / | ↑ | 98 | 12 | ↑ | C8 | ↑ | A12 | 19 | ↑ | | | |
| ↑ | 15 | / | 3 | 10 | ↑ | C9 | ↑ | A11 | 19 | ↑ | INPUT ACTIVE RECEIVE | | |
| ↑ | / | ↑ | 90 | 10 | ↑ | C10 | ↑ | A11 | 15 | ↑ | | | |
| ↑ | 16 | / | 4 | 11 | ↑ | D1 | ↑ | A12 | 23 | ↑ | INPUT ACTIVE TRANSMIT | | |
| ↑ | / | ↑ | 92 | 11 | ↑ | D2 | ↑ | A12 | 26 | ↑ | | | |
| ↑ | 17 | / | 4 | 11 | ↑ | D3 | ↑ | A11 | 26 | ↑ | OUTPUT READY RECEIVE | | |
| ↑ | / | ↑ | 94 | 11 | ↑ | D4 | ↑ | A11 | 22 | ↑ | | | |
| ↑ | 18 | / | 4 | 11 | ↑ | D5 | ↑ | A12 | 3 | ↑ | OUTPUT READY TRANSMIT | | |
| ↑ | / | ↑ | 96 | 11 | ↑ | D6 | ↑ | A12 | 4 | ↑ | | | |
| ↑ | 19 | / | 4 | 11 | ↑ | D7 | ↑ | A11 | 12 | ↑ | INPUT REQUEST RECEIVE | | |
| ↑ | / | ↑ | 98 | 11 | ↑ | D8 | ↑ | A11 | 16 | ↑ | | | |
| ↓ | 20 | 24 | 4 | 12 | ↓ | D9 | ↓ | A12 | 8 | ↓ | INPUT READY TRANSMIT | | |
| / | / | / | 90 | 12 | 1A2 | D10 | 36 | A12 | 11 | 33,34 | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |

CABLE TABS

6683-D to I/O Channel

Pass-on

| | | | | | | | | |
|----------|-----|-----|---|--------------------|----------|-----|-----|---|
| 83D12-26 | W00 | 90 | W | OUTPUT DATA BIT 0 | 83D12-28 | W01 | 90 | W |
| 83D12-16 | W00 | 91 | W | OUTPUT DATA BIT 1 | 83D12-14 | W01 | 91 | W |
| 83D12-13 | W00 | 92 | W | OUTPUT DATA BIT 2 | 83D12-15 | W01 | 92 | W |
| 83D12- 3 | W00 | 93 | W | OUTPUT DATA BIT 3 | 83D12- 1 | W01 | 93 | W |
| 83C12-26 | W00 | 94 | W | OUTPUT DATA BIT 4 | 83C12-28 | W01 | 94 | W |
| 83C12-16 | W00 | 95 | W | OUTPUT DATA BIT 5 | 83C12-14 | W01 | 95 | W |
| 83C12-13 | W00 | 96 | W | OUTPUT DATA BIT 6 | 83C12-15 | W01 | 96 | W |
| 83C12- 3 | W00 | 97 | W | OUTPUT DATA BIT 7 | 83C12- 1 | W01 | 97 | W |
| 83C11-26 | W00 | 98 | W | OUTPUT DATA BIT 8 | 83C11-28 | W01 | 98 | W |
| 83C11-16 | W00 | 99 | W | OUTPUT DATA BIT 9 | 83C11-14 | W01 | 99 | W |
| 83C11-13 | W00 | 900 | W | OUTPUT DATA BIT 10 | 83C11-15 | W01 | 900 | W |
| 83C11- 3 | W00 | 901 | W | OUTPUT DATA BIT 11 | 83C11- 1 | W01 | 901 | W |
| 83C10-16 | W00 | 902 | W | ACTIVE | 83C10-14 | W01 | 902 | W |
| 83C10-26 | W00 | 903 | W | INACTIVE | 83C10-28 | W01 | 903 | W |
| 83C10- 3 | W00 | 904 | W | FULL | 83C10- 1 | W01 | 904 | W |
| 83C10-13 | W00 | 905 | W | EMPTY | 83C10-15 | W01 | 905 | W |
| 83C09- 3 | W00 | 906 | W | FUNCTION | 83C09- 1 | W01 | 906 | W |
| 83C09-13 | W00 | 907 | W | MASTER CLEAR | 83C09-15 | W01 | 907 | W |
| 83C09-26 | W00 | 908 | W | OUTPUT PARITY BIT | 83C09-28 | W01 | 908 | W |
| 83D10-24 | W02 | 90 | W | INPUT DATA BIT 0 | 83D10- 8 | W03 | 90 | W |
| 83D10-26 | W02 | 91 | W | INPUT DATA BIT 1 | 83D10- 9 | W03 | 91 | W |
| 83D10-28 | W02 | 92 | W | INPUT DATA BIT 2 | 83D10-10 | W03 | 92 | W |
| 83D10- 3 | W02 | 93 | W | INPUT DATA BIT 3 | 83D10-21 | W03 | 93 | W |
| 83D10- 5 | W02 | 94 | W | INPUT DATA BIT 4 | 83D10-22 | W03 | 94 | W |
| 83D10- 7 | W02 | 95 | W | INPUT DATA BIT 5 | 83D10-23 | W03 | 95 | W |
| 83D09-24 | W02 | 96 | W | INPUT DATA BIT 6 | 83D09- 8 | W03 | 96 | W |
| 83D09-26 | W02 | 97 | W | INPUT DATA BIT 7 | 83D09- 9 | W03 | 97 | W |
| 83D09-28 | W02 | 98 | W | INPUT DATA BIT 8 | 83D09-10 | W03 | 98 | W |
| 83D09- 3 | W02 | 99 | W | INPUT DATA BIT 9 | 83D09-21 | W03 | 99 | W |
| 83D09- 5 | W02 | 900 | W | INPUT DATA BIT 10 | 83D09-22 | W03 | 900 | W |
| 83D09- 7 | W02 | 901 | W | INPUT DATA BIT 11 | 83D09-23 | W03 | 901 | W |
| 83 - | W02 | 902 | W | ACTIVE | 83 - | W03 | 902 | W |
| 83D11- 3 | W02 | 903 | W | INACTIVE | 83D11-21 | W03 | 903 | W |
| 83D11- 5 | W02 | 904 | W | FULL | 83D11-22 | W03 | 904 | W |
| 83D11- 7 | W02 | 905 | W | EMPTY | 83D11-23 | W03 | 905 | W |
| 83E12-12 | W02 | 906 | W | 10 MC CLOCK | 83D11-28 | W03 | 906 | W |
| 83C09-16 | W02 | 907 | W | 1 MC CLOCK | 83D11-26 | W03 | 907 | W |
| 83D03- 7 | W02 | 908 | W | INPUT PARITY BIT | 83D03-23 | W03 | 908 | W |

COMMENT SHEET

MANUAL TITLE: CDC 6683-D Satellite Coupler Chassis
Hardware Maintenance Manual

PUBLICATION NO.: 60440900

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