

SHEET INDEX

| SHEET NO. | CONTENTS |
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OPTION INDEX

| APP OR WIRING | LOCATION |
|---------------|----------|
| Z | 2A5, 2B4 |
| . | 2B4 |
| X | 2C5 |
| W | 2C5 |
| V | 2B2, 2C3 |
| T | 2B2, 2C3 |
| S | 2G2 |

SD-65750-01

CIRCUIT NOTES:

101.

| DESIG | FUSE AMP | POTENTIAL | ONE PER | TERM. DESIG |
|-------|----------|-----------------------|-----------------------|-------------|
| JT | 1-1/3 | -4B TALK | JUNCTION CKT | |
| | | BATTERY SYMBOL | VOLTAGE RANGE | |
| | | -4B | 45-52V | |
| | | 20~ | 75-110V AC, 45-52V DC | |

102.

| FEATURE OR OPTION | PROVIDE | | |
|--|----------|---------------|-----------|
| | APP FIG. | APP OR WIRING | QUANTITY |
| JUNCTION CIRCUIT | I | | 1 PER CKT |
| 3A CODE CALL CKT PROVIDED WITH 756A PBX (SEE NOTE 202) | YES | W | 1 PER CKT |
| | NO | X | 1 PER CKT |

103. RECORD OF APP FIGURES, WIRING AND APPARATUS CHANGES

| CHANGES ON ISS | IF JOB RECORDS DO NOT SPECIFY | THIS OPTION WAS FURN | SEE NOTE | USE IN CIRCUIT | | |
|----------------|-------------------------------|----------------------|----------|----------------|-------|-----|
| | | | | STD | A B M | M D |
| 4D | Y OR Z | Z | | Y | | Z |
| 5B | W OR X | W | 102 | W&X | | |
| 6B | T OR V | | | T | | V |
| 7D | S | NONE | | S | | |

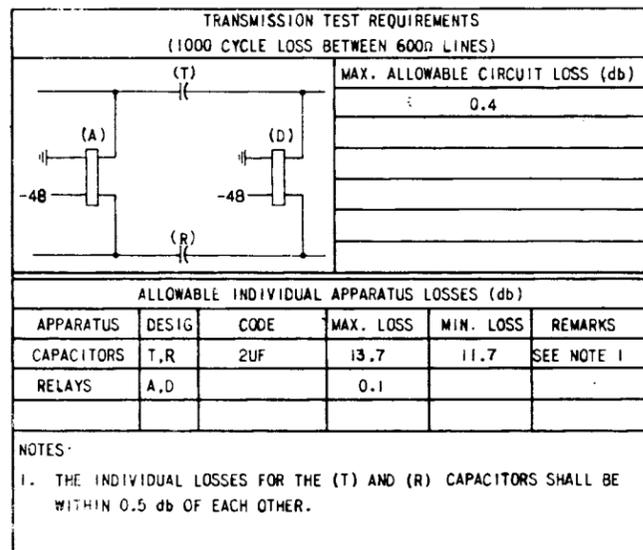
SUPPORTING INFORMATION

| CATEGORY | NO. |
|---------------------------------------|----------------------------|
| CABLING DIAGRAM EQUIPMENT DRAWINGS | SD-65746-01 ED-65870-01 |

| DWG ISSUE | CD ISSUE | DATE ISSUED | APPROVED |
|-----------|-----------|-------------|--|
| 1 | 1 | 4/30/56 | EDG RHP FJS WAA |
| 2D | 2D | 5/29/57 | CPL RHP HFB HHA |
| 3D | 2D APP 1D | 9-24-57 | OCR RHP GWW HHA |
| 4D | 3D | 4-20-59 | JB WVS NAE PWS |
| 5B | 4B | 5-3-63 | EWB LET HFB HHA |
| 6B | 4B APP 1B | 2-13-63 | R.T. HGS HFB HHA |
| 7D | 4B APP 2D | 5-11-67 | WUY P.D. BCM JJM PJS LAH UT RHP |

EQUIPMENT NOTES:

- 201. CAPACITORS DESIGNATED (T) AND (R) SHALL MATCH WITHIN 0.1UF.
- 202. WHEN 3A CODE CALL IS SPECIFIED, "X" WIRING SHALL BE DISCONNECTED AT THE (D) RELAY BY THE INSTALLER.



WORKING LIMITS
MAX. EXT CKT LOOP RES-1410
MIN. INS RES-20,000

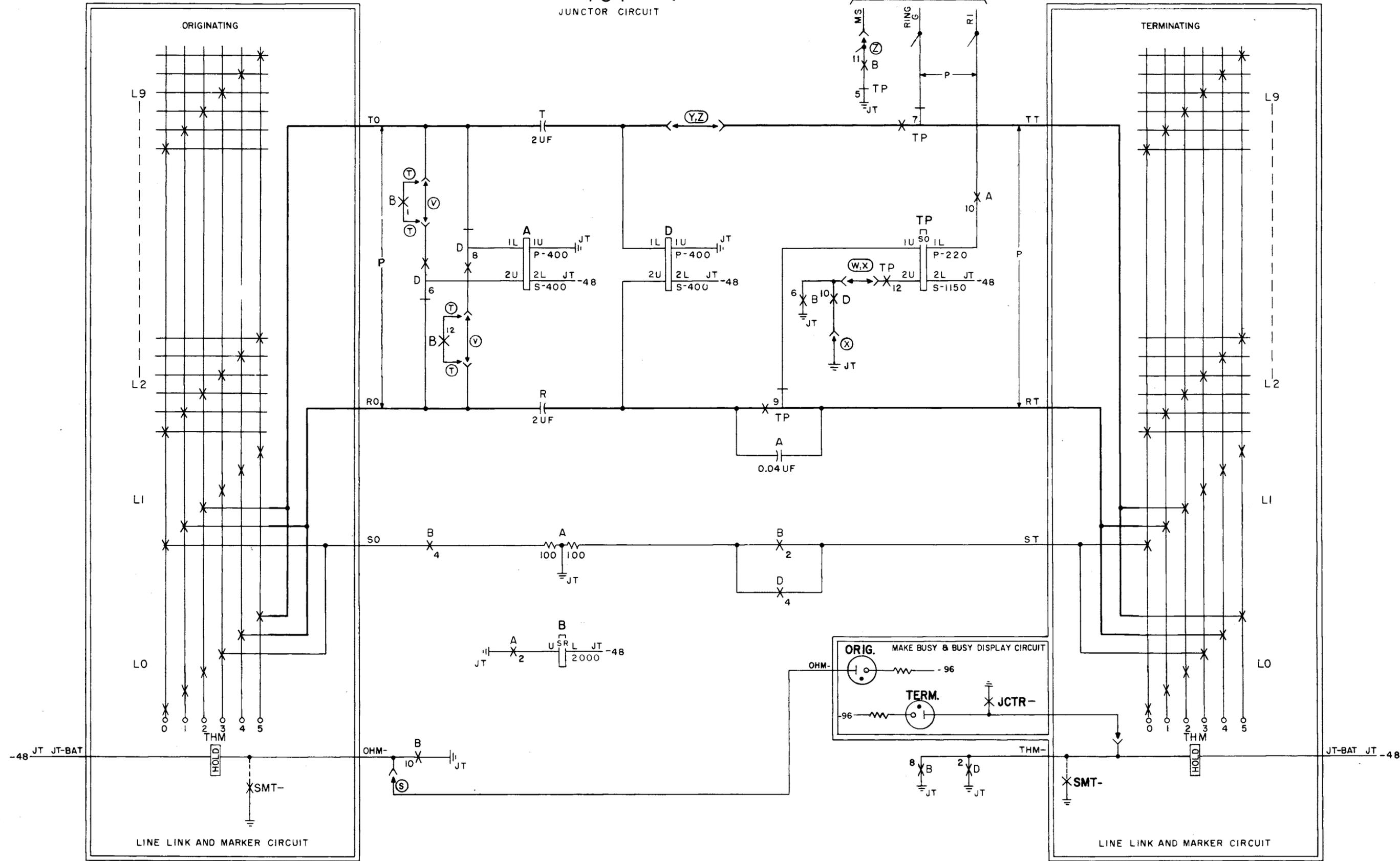
SD-65750-01-1

| | | |
|---|--|----------------------|
| PBX SYSTEMS NO. 756A JUNCTION CIRCUIT | | AT&TCO STANDARD |
| ② SD-65750-01-1 (JTR) 3 SHEETS | | |
| BELL TELEPHONE LABORATORIES INCORPORATED | | 65 PRINTED IN U.S.A. |

FS I
JUNCTOR CIRCUIT

TO POWER SUPPLY CIRCUIT

| DRAWING ISSUE | |
|---------------|-----|
| 1 | EDG |
| 2D | CFL |
| 3D | WV |
| 4D | WV |
| 5B | WV |
| 68 | WV |
| 7D | WV |



JUNCTOR CIRCUIT (2) SD-65750-01-2
 BELL TELEPHONE LABORATORIES INCORPORATED 65 PRINTED IN U.S.A.

CIRCUIT REQUIREMENTS
756A PBX JUNCTOR CIRCUIT (JTR)

DRAWING ISSUE
1 P.P. 4/65 W.S.
2D C.F.L. 1/65 RAC
3D P.P. 2/65 RAC
4D P.P. 3/65 RAC
5B EWB
6B R.T. W.M. P.D.
7D B.C.M. P.J. R.H.

| APPARATUS | | | | MECH REQ | | | CIRCUIT PREPARATION | | | DIRECT CURRENT FLOW REQ | | | | | REMARKS |
|-----------|------|--------|-----|----------|------------|----------|---------------------|----------------|----------|-------------------------|---------------|----------|----------|---------------|---------|
| DESIG | CODE | OPTION | FIG | BSP FIG. | CONT PRESS | ARM TRVL | BLOCK OR INSULATE | TEST CLIP DATA | | TEST SET PREP | SEE TEST NOTE | TEST | | | |
| | | | | | | | | CONN BAT | CONN GRD | | | TEST WDG | TEST FOR | AFTER SOAK MA | |
| RELAYS | | | | | | | | | | | | | | | |
| A | AJ52 | I | | 303 | | | | 1L(A) | 2U(A) | M | P/S | 0 | 13.3 | 12.6 | |
| | | | | | | | | 1L(A) | 2U(A) | M | P/S | R | 3.1 | 3.3 | |
| B | AG18 | I | | 48B | | | | 1U(B) | GRD | | P | 0 | 20 | 8 | 7.6 |
| | | | | | | | | 1U(B) | GRD | | P | H | 20 | 1.5 | 1.4 |
| | | | | | | | | 1U(B) | GRD | | P | R | 20 | 0.7 | 0.9 |
| D | AJ52 | I | | 303 | | | | 1L(D) | 2U(D) | M | P/S | 0 | 13.3 | 12.6 | |
| | | | | | | | | 1L(D) | 2U(D) | M | P/S | R | 3.1 | 3.3 | |
| TP | AJ49 | I | | 302 | | | | 1L(TP) | 1U(TP) | B/G | P | 0 | 28 | 26.5 | |
| | | | | | | | | 1L(TP) | 1U(TP) | B/G | P | NO | 20 | 21.5 | |
| | | | | | | | | 2U(TP) | GRD | | S | 0 | 19 | | |

PAGES PAGE

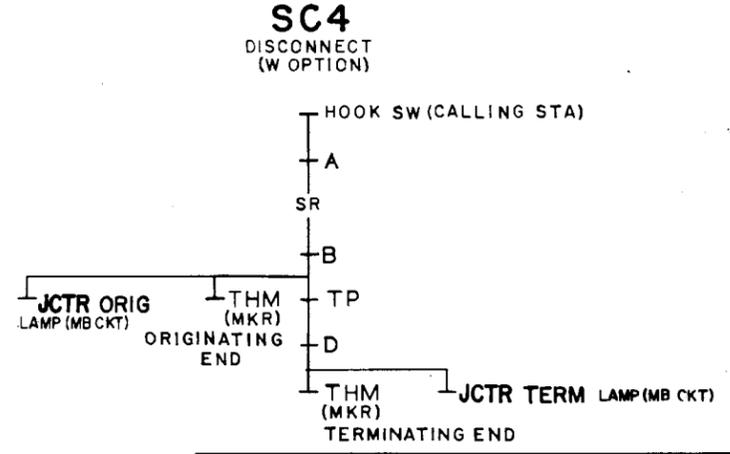
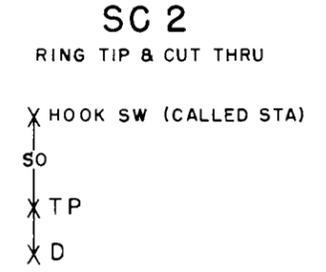
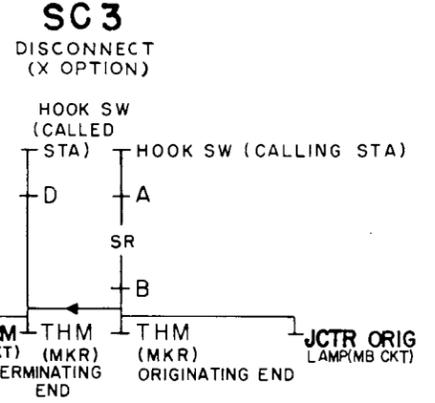
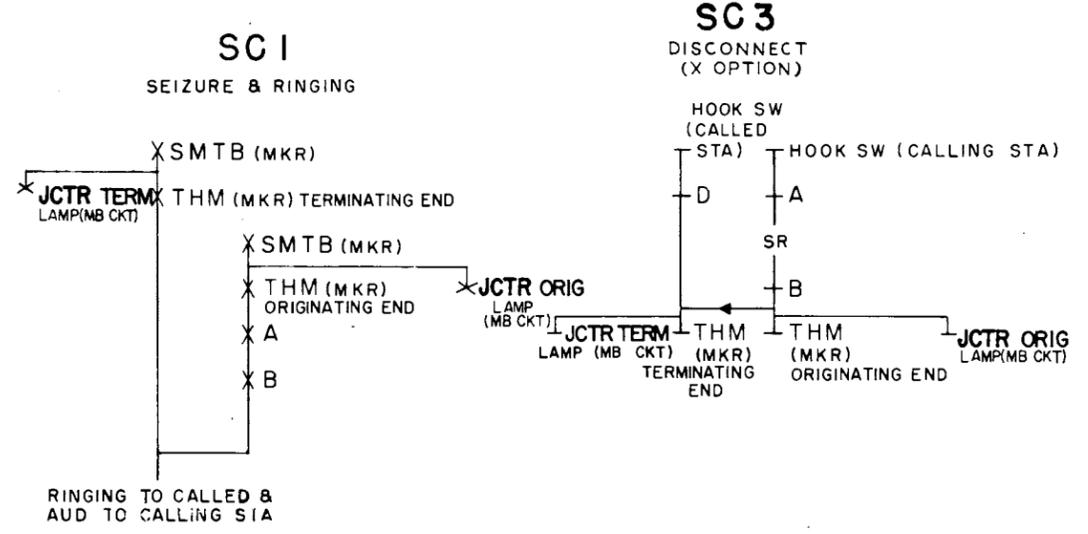
SD-65750-01-3

JUNCTOR CIRCUIT SD-65750-01-3
BELL TELEPHONE LABORATORIES, INC PRINTED IN U.S.A.

APP FIG. 1

| RELAY | | | | | | | | | | | | | |
|--------|----------|-----|----------|-----|----------|-----|----------|-----|----------|-----|----------|-----|--------|
| DESIG | A | | B | | D | | TP | | | | | | DESIG |
| CODE | AJ52 | | AG18 | | AJ52 | | AJ49 | | | | | | CODE |
| OPTION | | | | | | | | | | | | | OPTION |
| | CONT ARR | LOC | |
| 12 | | | M | 2C3 | | | EM | 2C6 | | | | | 12 |
| 11 | | | M | 2A5 | | | | | | | | | 11 |
| 10 | M | 2B6 | M | 2G2 | M | 2C5 | | | | | | | 10 |
| 9 | | | M | 2G6 | EMB | 2C3 | | | BM | 2D5 | | | 9 |
| 8 | EMB | | B | | | | | | | | | | 8 |
| 7 | | | M | 2C5 | EMB | 2C2 | | | BM | 2B6 | | | 7 |
| 6 | EMB | | M | 2E2 | EBM | 2E5 | | | | | | | 6 |
| 5 | | | M | 2E5 | M | 2G6 | | | | | | | 5 |
| 4 | EBM | | M | 2B2 | | | | | | | | | 4 |
| 3 | | | M | 2F3 | | | | | | | | | 3 |
| 2 | M | 2F3 | M | 2E5 | M | 2G6 | | | | | | | 2 |
| 1 | | | M | 2B2 | | | | | | | | | 1 |
| COIL | | 2C3 | | 2F3 | | 2C4 | | 2C6 | | | | | COIL |

| CAPACITOR | | | RESISTOR | | |
|-----------|-----|------|----------|-----|------|
| DESIG | LOC | CODE | DESIG | LOC | CODE |
| A | 2D5 | 441U | A | 2E3 | 19FG |
| R | 2D3 | 437E | | | |
| T | 2B3 | | | | |



JUNCTOR CIRCUIT (2) SD-65750-01-3
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