

| SHEET INDEX | | |
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| CONTENTS | SHEET NO. | SHEET ISSUE |
| SHEET INDEX SUPPORTING INFORMATION CURRENT DRAIN USED ON NOTES SYMBOL RECORD OF CHANGES | 1 | 1 |
| CIRCUIT SCHEMATIC COMPONENT LIST | 2 | 1 |

SYMBOL

| | | | |
|-----|------|-------|-----|
| 118 | DA0 | GSA0 | 219 |
| 019 | GSDA | | |
| 018 | DA1 | GSA1 | 318 |
| 117 | DA2 | GSA2 | 218 |
| 017 | DA3 | GSA3 | 317 |
| 116 | DA4 | GSA4 | 217 |
| 016 | DA5 | GSA5 | 316 |
| 115 | DA6 | GSA6 | 216 |
| 015 | DA7 | GSA7 | 315 |
| 114 | DA8 | GSA8 | 215 |
| 014 | DA9 | GSA9 | 314 |
| 113 | DA10 | GSA10 | 214 |
| 013 | DA11 | GSA11 | 313 |
| 112 | DA12 | GSA12 | 213 |
| 012 | DA13 | GSA13 | 312 |
| 111 | DA14 | GSA14 | 212 |
| 011 | DA15 | GSA15 | 311 |
| 110 | DA16 | GSA16 | 211 |
| 108 | DB0 | GSB0 | 308 |
| 009 | GSDB | | |
| 008 | DB1 | GSB1 | 208 |
| 107 | DB2 | GSB2 | 307 |
| 007 | DB3 | GSB3 | 207 |
| 106 | DB4 | GSB4 | 306 |
| 006 | DB5 | GSB5 | 206 |
| 105 | DB6 | GSB6 | 305 |
| 005 | DB7 | GSB7 | 205 |
| 104 | DB8 | GSB8 | 304 |
| 004 | DB9 | GSB9 | 204 |
| 103 | DB10 | GSB10 | 303 |
| 003 | DB11 | GSB11 | 203 |
| 102 | DB12 | GSB12 | 302 |
| 002 | DB13 | GSB13 | 202 |
| 101 | DB14 | GSB14 | 301 |
| 001 | DB15 | GSB15 | 201 |
| 100 | DB16 | GSB16 | 300 |

FC307
GATE SELECTOR
CIRCUIT

| RECORD OF CHANGES | | | | |
|-------------------|-----------|-----|----------|----------|
| DWG ISS | PREV FURN | STD | MFR DISC | SEE NOTE |
| | | | | |
| | | | | |
| | | | | |
| | | | | |

NOTES:

1. UNLESS OTHERWISE SPECIFIED:
RESISTANCE VALUES ARE IN OHMS
CAPACITANCE VALUES ARE IN MICROFARADS
VALUES PRECEDED BY THE SYMBOL + (PLUS)
OR - (MINUS) ARE IN VOLTS.

2. POWER AND GROUND TERMINALS FOR
INTEGRATED CIRCUITS:

| IC CODE | GRD TERM. | | | |
|---------|-----------|--|--|--|
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |

3. BATTERY AND GROUND TERMINALS FOR THIS
CIRCUIT PACK ARE AS FOLLOWS:

| FUNCTION | TERMINAL |
|----------|----------|
| | |
| | |
| | |
| | |

4. THE TERMINAL NUMBER ARRANGEMENT OF THE
51E TRANSISTOR IS



5. HORIZONTAL MOUNTING CENTERS AT 0.50 INCH.

| SYSTEM USED ON | DESIGN CONTROL |
|----------------|----------------|
| NO. 3 ESS | TH |

CURRENT DRAIN: 0 mA

SHEET INDEX NOTES

- FOR SINGLE REISSUES, A CHANGED OR NEW SHEET WILL BE ASSIGNED THE SAME ISSUE NUMBER AS SHEET 1.
- FOR CONCURRENT REISSUES, A CHANGED OR NEW SHEET WILL BE ASSIGNED THE HIGHEST ISSUE NUMBER AFFECTING THAT SHEET.
- THE ISSUE NUMBER OF SHEET 1 IS RECOGNIZED AS THE ISSUE NUMBER OF THE WHOLE DRAWING.

SUPPORTING INFORMATION

| CATEGORY | NUMBER |
|------------------------------------|---------------------|
| CONNECTOR ON FRAME | 947A, 947C, OR 947E |
| CIRCUIT PACK INFORMATION DRAWING | FC307 |
| SERIES FOR LATEST CLASS "A" CHANGE | |
| ACCEPTABLE SERIES | 1 |

NOTICE - NOT FOR USE OR DISCLOSURE OUTSIDE THE BELL SYSTEM EXCEPT UNDER WRITTEN AGREEMENT.

| | |
|--|-----------------|
| IT11 | AT&TCO STANDARD |
| FC307 CIRCUIT PACK GATE SELECTOR CIRCUIT | |
| DWG SIZE 6S | ISSUE 2 |
| BELL LABORATORIES | CPS-FC307 |
| 2 SHEETS | |

GATE SELECTOR CIRCUIT

COMPONENT LIST

DIODE

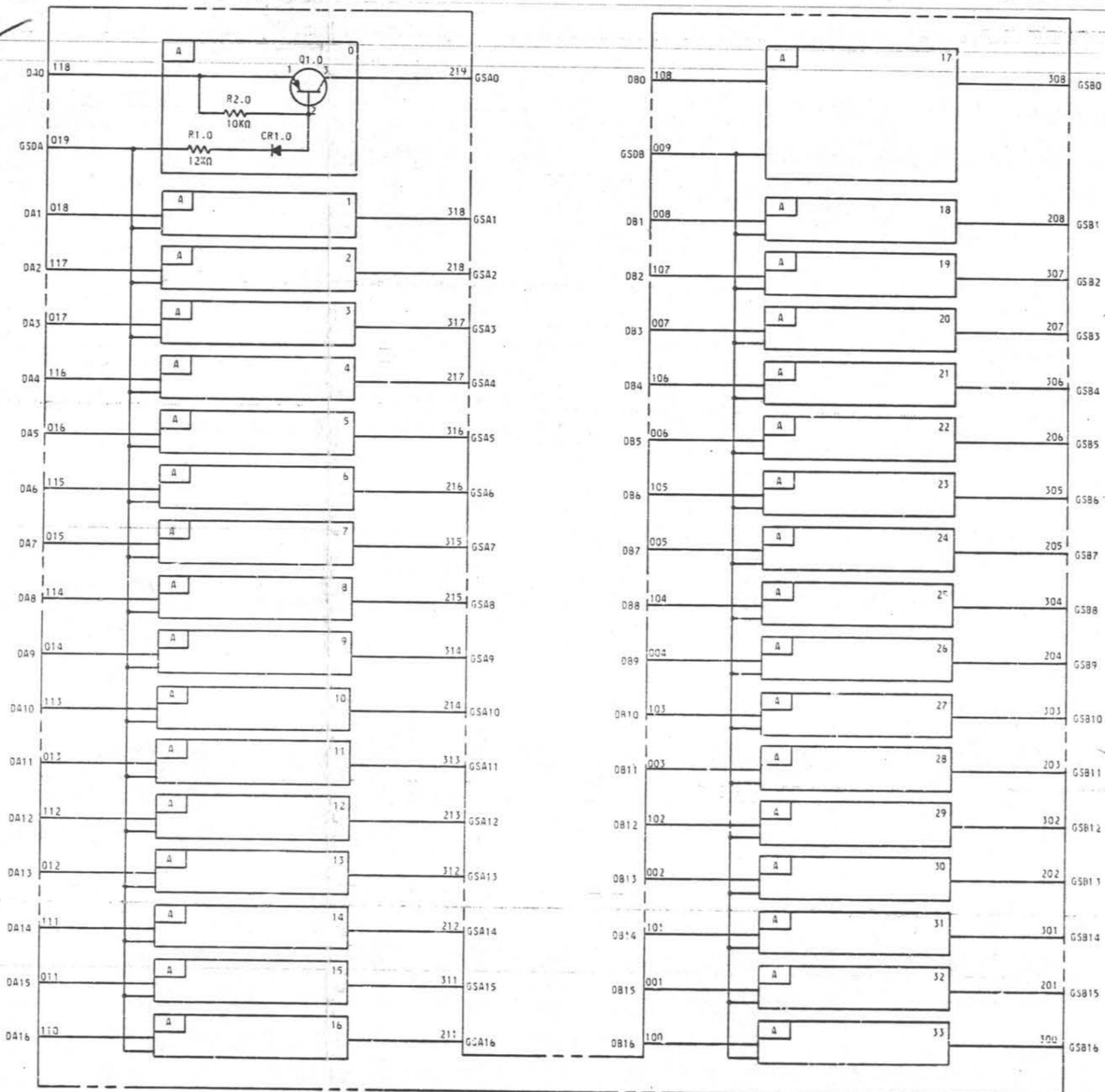
| DESIG | CODE |
|-------------------|------|
| [34] CR1.0-CR1.33 | 4584 |

RESISTOR

| DESIG | CODE |
|-----------------|---------------------|
| [34] R1.0-R1.33 | KS-20616, L1A, 12KΩ |
| [34] R2.0-R2.33 | KS-15645, L2, 10KΩ |

TRANSISTOR

| DESIG | CODE |
|-----------------|------|
| [34] Q1.0-Q1.33 | 51E |



| | | |
|---|----|-----------|
| FC307 CIRCUIT PACK | 2 | CPS-FC307 |
| BELL TELEPHONE LABORATORIES INCORPORATED | 68 | SHEET 2 |