## B325 SCHEMATIC AND PARTS LOCATION

### DRAWING PACKAGE

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# B325 Schematic and Parts Location

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NOTE: Drawings updated July, 1981
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**NOTE:** Drawings updated June 1982.
B325

Schematic and Parts Location

DRAWING PACKAGE
REVISION

1.  19242  FINAL RELEASE
2.  19562
3.  19717  ADDED M17
4.  19903  ADDED R76, CR39 8 015
5.  22115  C24 WAS 2μF, 103
6.  22061  C18 - C23 WAS 20V, 103

NOTES:
1. Unless otherwise specified all resistances in ohms, 1/4W, and all capacitances are in microfarads.
2. Highest reference designations:
   C25 CR39 8 015 R76 S4 / T4
   Reference designations omitted:
   J1, J2
3. Relay K1 shown idle (alarm).
4. Relay K2 shown idle (normal).
5. For 10 sec trunk processing, strap J to K1.
6. For 2 sec trunk processing, strap J to H.
7. For 285 ms local alarm detection, strap B to C, E to F, and L to N.
8. For 2 sec local alarm detection, strap A to B, 0 to E, and L to M.
9. Si, S2, S3 and S4 shown in normal state.

PARTS LOCATION - SEE SHEET 3
NOTES:
1. UNLESS OTHERWISE SPECIFIED ALL RESISTANCES ARE IN OHMS, 1/4W, ALL CAPACITANCES IN MICROFARADS.
2. HIGHEST REFERENCE DESIGNATIONS
   C21 CR9 J2 Kl Ml Pl 02
   R28 RVI SI T7
   REFERENCE DESIGNATIONS OMITTED
3. SI SHOWN IN BUST STATE.
4. Kl SHOWN DE-ENERGIZED •

REFERENCES:
204 ELON WAY. RENO, NEVADA
NOTES:
1. UNLESS OTHERWISE SPECIFIED, ALL RESISTANCES ARE IN OHMS, 1/4 W AND ALL CAPACITANCES ARE IN MICROFARADS.

REFERENCE DESIGNATIONS

C32, C2, M44, P1, Q7, T2, T24

LATEST MATERIALS

LIST OF MATERIALS

NOTES:
1. UNLESS OTHERWISE SPECIFIED, ALL RESISTANCES ARE IN OHMS, 1/4 W AND ALL CAPACITANCES ARE IN MICROFARADS.

REFERENCE DESIGNATIONS Omitted
PARTS LOCATION—SEE SHEET 2
E-LEAD OPTIONS

E & M TRUNK TYPE
1-WAY DIALS OR 2-WAY DIAL SERVICE
CALLING PARTY CONTROL STRAP A-B, C-D, E-M-N
1-WAY INCOMING STRAP A-B, C-D, E-M-N
ALL OTHERS STRAP A-B, C-D, E-M-N

TEST/BUSY

SCHMATIC & PARTS LOCATION

325EM03 MLP

LIST OF MATERIALS

REVISION A

D E S C R I P T I O N

DATE

APPROVED

EDISON WAY, RENO, NEVADA

SCHMATIC & PARTS LOCATION

325EM03-01
UNLESS OTHERWISE SPECIFIED ALL RESISTORS ARE IN OHMS, 1/4W AND ALL CAPACITANCES IN MICROFARADS.

HIGHEST REFERENCE DESIGNATIONS

Pl 03 R26 SI
T9
REFERENCE DESIGNATIONS OMITTED

3. SI SHOWN IN BUSY CONDITION.

4.

E-LEAD OPTIONS

ON HOOK OFF HOOK STRAP M-L

E-LEAD ALARM (CGA) OPTIONS

E-LEAD STRAP

NOTE 4

1. SI SHOWN IN BUSY CONDITION.

E-LEAD ALARM (CGA) OPTIONS

E-LEAD STRAP

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ON HOOK OFF HOOK STRAP M-L

E-LEAD ALARM (CGA) OPTIONS

E-LEAD STRAP

NOTE 4

1. SI SHOWN IN BUSY CONDITION.

E-LEAD OPTIONS

ON HOOK OFF HOOK STRAP M-L

E-LEAD ALARM (CGA) OPTIONS

E-LEAD STRAP

NOTE 4

1. SI SHOWN IN BUSY CONDITION.
1. All dynamic elements, all resistances and all capacitances are in ohms and microfarads.

2. Reference designations omitted.

3. B shown in busy condition.

4. S2 shown in normal condition.

5. K1 and K2 shown in idle condition.

6. STRIP START SLEEP
   - TO A AND E TO D FOR 03
   - TO A AND E TO D FOR 03

7. Maximum DC loop resistance - 500 ohms

8. Loop must be laid out symmetrically.

NOTES:
1. UNLESS OTHERWISE SPECIFIED ALL RESISTANCES ARE IN OHMS, 1/4W & ALL CAPACITANCES IN MICROFARADS.
2. HIGHEST REFERENCE DESIGNATIONS
   C22 CRIO J2 K1 M2 Pl Q2 R28 RV1 SI T 7
   REFERENCE DESIGNATIONS OMITTED T 3
3. SI SHOWN IN BUSY STATE.
4. K1 SHOWN DE-ENERGIZED.
5. 21100PF 29400PF 37900PF
6. 205K 42.2K 56K 620 1/2W
7. TEST ONLY

PARTS LOCATION
TYPE 325PY01
SEMICONDUCTOR DATA LOCATION
TYPE 325PY01
325PY01-MLP
NOTES
1. UNLESS OTHERWISE SPECIFIED ALL RESISTANCES 
   ARE IN OHMS 1/4W AND ALL CAPACITANCES ARE IN 
   MICROFARADS.
2. HIGHEST REFERENCE DESIGNATIONS
   C26 1  C31 1  J2 1  72 1  M45 1  R41
   REFERENCE DESIGNATIONS OMITTED
   R16-R18, R21, R24, R26-R28, R32, R36

SCHEMATIC & PARTS LOCATION
TYPE 325RCQIB
RCV CONVERTER
1. UNLESS OTHERWISE SPECIFIED ALL RESISTANCES ARE IN OHMS. ALL CAPACITANCES ARE IN MICROFARADS.

2. HIGHEST REFERENCE DESIGNATIONS:
- 0Ω LINES 0.5 W
- 0Ω LINES 1 W
- REFERENCE DESIGNATIONS OMITTED
- 20KΩ LINES: 1/4 W

3. WHEN SYNCHRONIZATION OF TRANSMITTER & RECEIVER ARE DESIRED, STRAP B-C. WHEN SYNCHRONIZATION IS NOT NEEDED, STRAP A-B.
NOTES:
1. UNLESS OTHERWISE SPECIFIED ALL RESISTANCES ARE EXPRESSED IN OHMS, 1/4 WATT, AND ALL CAPACITANCES IN MICROFARADS.

2. HIGHEST REFERENCE DESIGNATIONS

3. VF LEVEL OPTIONS

4. SI ShOWN IN OPERATING CONDITION.