



- ▲ HOUSING MATERIAL: BLACK THERMOPLASTIC
- ▲ SIGNAL CONTACTS: PHOSPHOR BRONZE WITH 0.0076[.00030] MINIMUM GOLD OVER 0.0076[.000030] NICKEL PLATE IN CONTACT AREA.
- ▲ GROUND BUS: BRASS WITH 0.0076[.00030] GOLD OVER 0.0076[.000030] NICKEL IN CONTACT AREA.
- 4. CHARACTERISTIC IMPEDANCE: 50±5 Ohms.
- 5. PROPAGATION DELAY: 4.75±.1 ns/M [1.45±.03 ns/FT].
- ▲ CABLE INSULATION MATERIAL: FEP OR EQUIVALENT.
- 7. CONDUCTOR RESISTANCE: .472 Ohm/M [.144 Ohm/FT].
- 8. CAPACITANCE TO GROUND: 98± pF/M [30±3 pF/FT].
- 9. CABLE AND PC BOARD WIRING:

| PC BOARD RCPT A | CABLE ASSY END C1 | CABLE ASSY END C2 | PC BOARD RCPT B |
|-----------------|-------------------|-------------------|-----------------|
| 1 | N/C | N/C | 1 |
| 2 | N/C | N/C | 2 |
| 3 | 1 | 1 | 3 |
| 4 | 2 | 2 | 4 |
| - | - | - | - |
| - | - | - | - |
| 37 | 35 | 35 | 37 |
| 38 | 36 | 36 | 38 |
| 39 | N/C | N/C | 39 |
| 40 | N/C | N/C | 40 |

▲ LABEL TO READ AS FOLLOWS

AMP PART NUMBER:
DATE CODE:

DATE CODE TO BE FOUR DIGIT AND APPEAR AS YEAR/WEEK (EXAMPLE 9222).

THIS CABLE ASSEMBLY IS TO BE MATED WITH A 40 POSITION BOARD RECEPTACLE. THE RECEPTACLE PRINTED CIRCUIT BOARD MUST HAVE THROUGH HOLES FOR ALL CONTACTS INCLUDING THE UNUSABLE BOARD RECEPTACLE SIGNAL CONTACTS. THE UNUSABLE BOARD RECEPTACLE SIGNALS ARE 1,2,39, AND 40.

▲ GROUND BUSES ARE COMMON.

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| | | |
|-------------|----------|--------------|
| 2-621189-6 | 1270 | [50] |
| 2-621189-5 | 4269.2 | [168.00] |
| 2-621189-4 | 3048.0 | [120.00] |
| 2-621189-3 | 2743.2 | [108.00] |
| 2-621189-2 | 2438.4 | [96.00] |
| 2-621189-1 | 2133.6 | [84.00] |
| 2-621189-0 | 1828.8 | [72.00] |
| 1-621189-9 | 1524.0 | [60.00] |
| 1-621189-8 | 1219.2 | [48.00] |
| 1-621189-7 | 1066.8 | [42.00] |
| 1-621189-6 | 914.4 | [36.00] |
| 1-621189-5 | 762.0 | [30.00] |
| OBSOLETE | OBSOLETE | |
| 1-621189-3 | 533.4 | [21.00] |
| OBSOLETE | OBSOLETE | |
| 1-621189-1 | 381.0 | [15.00] |
| 1-621189-0 | 304.8 | [12.00] |
| 621189-9 | 279.4 | [11.00] |
| 621189-8 | 254.0 | [10.00] |
| 621189-7 | 228.6 | [9.00] |
| 621189-6 | 203.2 | [8.00] |
| 621189-5 | 177.8 | [7.00] |
| 621189-4 | 152.4 | [6.00] |
| 621189-3 | 127.0 | [5.00] |
| 621189-2 | 101.6 | [4.00] |
| 621189-1 | 76.2 | [3.00] |
| PART NUMBER | | [±6.4 [.25] |

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Raychem Harnessing
CUSTOMER DRAWING

| | | | | | | |
|------------|---------------|----------|-------------------------------------|-----|------------|---|
| DRN | D. EISENTRAUT | 10-04-94 | MATERIAL | - | HEAT TREAT | - |
| CR | L. SMITH | 02-04-95 | | | | |
| APD | L. SMITH | 02-04-95 | | | | |
| NAME | | | ENHANCED MICRO STRIP CABLE ASSEMBLY | | | |
| SCALE | | | 50 Ohm - 36 POSITION WITH LATCH | | | |
| DRAWING NO | | | C-621189 | | | |
| REV | 1 | OF | 1 | REV | D | |

| REV | DESCRIPTION | DATE | DRN | APD |
|-----|---------------------------|----------|-----|-----|
| D | REVISED PER ECO-13-005673 | 04-01-13 | T.N | P.G |
| C | REVISED PER 0820-1058-96 | 12-19-96 | VEC | KN |
| B | REVISED PER 0820-0920-96 | 11-04-96 | SSG | KN |

| | | |
|------------|--------|---------------|
| DIMENSIONS | INCHES | 0.001 |
| PLC | ± | 0.001 |
| PLC | ± | 0.001 (0.254) |
| PLC | ± | 0.005 (0.127) |
| PLC | ± | 0.001 |

| | | | |
|-----------------|-----|----------|-------|
| SURFACE TEXTURE | ✓ | ONE CODE | 00779 |
| SCALE | N/A | SIZE | A1 |

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LOC
DIST

8

7

6

5

4

3

2

1

D

C

B

A