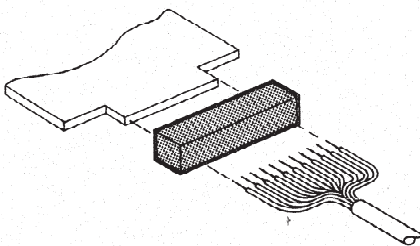
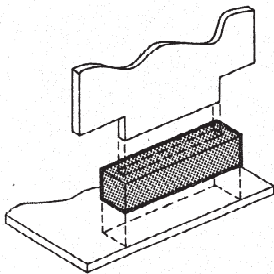
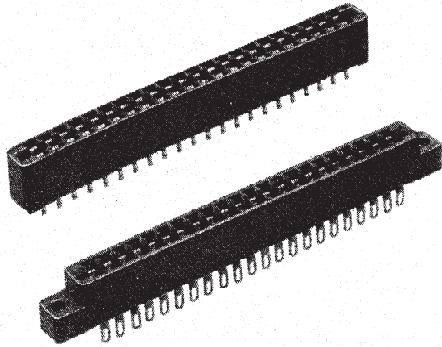


## Edge Connector Commercial

.156" (3.96mm) Density  
Dip Solder/Solder Eyelet

# CINCH



Mates with PC board fingers

### Features

- Dip solder tails, single readout, .156" (3.96mm) long
- Dip solder tails, double readout .156" (3.96mm) on .200" (5.08mm) row spacing, or .125" (3.18mm) long on .140" (3.56mm) row spacing
- Solder eyelet, single readout and double readout on .200" (5.08mm) row centers
- Available with unique tails for PC board retention; holds the connector firmly on the board during wave soldering operations
- Bifurcated semi-bellows contacts for added contact reliability
- Ideal for applications involving vibration or board irregularities
- Contact positions: 6, 10, 12, 15, 18, 22, 24, and 25
- Accepts single or double sided .062" (1.59mm) thick PC boards
- Available less mounting ears, or with .128" (3.25mm) mounting hole
- Meets applicable performance criteria of MIL-C-21097

### Performance Data

#### Materials

**Insulating Material:** UL 94V-0 rated glass-filled polyester

**Contact Material:** Spring brass

**Contact Plating:** Gold over nickel

#### Environmental

**Individual Contact Insertion and Separation Force:** 16 oz. maximum with .070" (1.78mm) blade; 1 oz. minimum with .054" (1.37mm) blade

**Shock:** Per MIL-STD-202E, Method 213, Condition C

**Operating Temperature:** -65°C to +105°C

**Vibration:** Per MIL-STD-202E, Method 204, Condition B

**Humidity:** Per MIL-STD-202E, Method 103, Condition B

### Electrical

**Withstanding Voltage:** 1800 VAC rms (@ sea level)

**Current Rating:** 5 Amps

**Contact Resistance:** 6 Milliohms maximum

**Insulation Resistance:** 5000 Megohms minimum

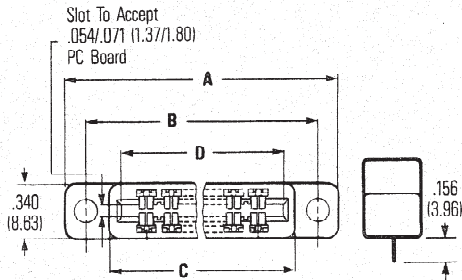
### Accessories

**Polarizing Key:** Two types (order separately): a) glass epoxy, for between-contact polarization Part No. 50-PK3 and b) glass-filled thermoplastic for in-contact polarization Part No. 50-PK4 See page 35 for more information

**Card Guide Posts:** (Order separately) Attach to mounting ears and guide PC board into connector Part No. 50-GP-2B See page 35 for more information

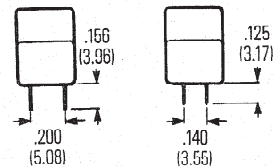
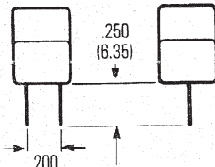
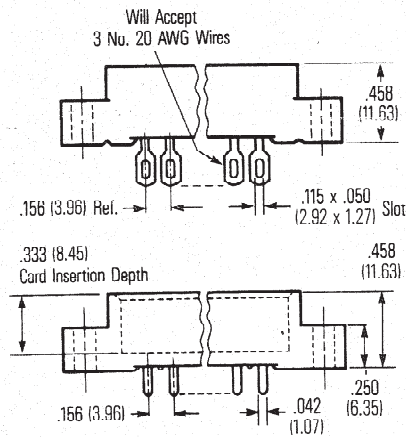
# Edge Connector Commercial

# .156" (3.96mm) Density Dip Solder/Solder Eyelet



## Dimensions

| No. of Pos./Cont. | A     |        | B     |        | C     |        | D     |        |
|-------------------|-------|--------|-------|--------|-------|--------|-------|--------|
|                   | in    | mm     | in    | mm     | in    | mm     | in    | mm     |
| 6/12              | 1.785 | 45.34  | 1.531 | 38.89  | 1.239 | 31.47  | 1.100 | 27.94  |
| 10/20             | 2.410 | 61.21  | 2.156 | 54.76  | 1.874 | 47.34  | 1.724 | 43.79  |
| 12/24             | 2.723 | 69.16  | 2.469 | 62.71  | 2.177 | 55.30  | 2.036 | 51.71  |
| 15/30             | 3.191 | 81.05  | 2.937 | 74.60  | 2.645 | 67.18  | 2.504 | 63.60  |
| 18/36             | 3.660 | 92.96  | 3.406 | 86.51  | 3.114 | 79.10  | 2.972 | 75.49  |
| 22/44             | 4.285 | 108.84 | 4.031 | 102.39 | 3.739 | 94.94  | 3.596 | 91.34  |
| 24/48             | 4.598 | 116.79 | 4.344 | 110.34 | 4.052 | 102.92 | 3.911 | 99.34  |
| 25/50             | 4.754 | 120.75 | 4.500 | 114.30 | 4.208 | 106.88 | 4.067 | 103.30 |



## Ordering Information

### Single Readout

| No. of Pos./Cont. | .128" (3.25mm) Mounting Hole                  |                        |
|-------------------|-----------------------------------------------|------------------------|
|                   | Dip Solder Tails .156" (3.96mm) Long Part No. | Solder Eyelet Part No. |
| 6/6               | 50-6B-10                                      | 50-6A-20               |
| 10/10             | 50-10B-10                                     | 50-10A-20              |
| 12/12             | 50-12C-10                                     | 50-12A-20              |
| 15/15             | 50-15B-10                                     | 50-15A-20              |
| 18/18             | 50-18B-10                                     | 50-18A-20              |
| 22/22             | 50-22B-10                                     | 50-22A-20              |
| 25/25             | 50-25B-10                                     | 50-25A-20              |

### Double Readout

| No. of Pos./Cont. | .128" (3.25mm) Mounting Hole Solder Eyelet                                       |                                                                                  | Less Mounting Ears                                                               |                                                                                  |
|-------------------|----------------------------------------------------------------------------------|----------------------------------------------------------------------------------|----------------------------------------------------------------------------------|----------------------------------------------------------------------------------|
|                   | Dip Solder Tails .156" (3.96mm) Long .200" (5.08mm) Between Row Spacing Part No. | Dip Solder Tails .125" (3.18mm) Long .140" (3.56mm) Between Row Spacing Part No. | Dip Solder Tails .125" (3.18mm) Long .140" (3.56mm) Between Row Spacing Part No. | Dip Solder Tails .125" (3.18mm) Long .140" (3.56mm) Between Row Spacing Part No. |
| 6/12              | 50-12A-30                                                                        | 50-12B-10                                                                        | 50-12S-30-2                                                                      | 50-12S-30-1                                                                      |
| 10/20             | 50-20A-30                                                                        | 50-20B-10                                                                        | 50-20S-30-2                                                                      | 50-20S-30-1                                                                      |
| 12/24             | 50-24A-30                                                                        | 50-24B-10                                                                        | 50-24S-30-2                                                                      | 50-24S-30-1                                                                      |
| 15/30             | 50-30A-30                                                                        | 50-30B-10                                                                        | 50-30S-30-2                                                                      | 50-30S-30-1                                                                      |
| 18/36             | 50-36A-30                                                                        | 50-36B-10                                                                        | 50-36S-30-2                                                                      | 50-36S-30-1                                                                      |
| 22/44             | 50-44A-30                                                                        | 50-44B-10                                                                        | 50-44S-30-2                                                                      | 50-44S-30-1                                                                      |
| 25/50             | 50-50A-30                                                                        | 50-50B-10                                                                        | 50-50S-30-2                                                                      | 50-50S-30-1                                                                      |

