

### 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
- UL Recognized—file 130965
- CSA LR 31996

### Performance Data

#### Materials

**Insulation Material:** UL 94V-0 rated glass-filled polyester, green

**Contact Material:** Spring brass

**Contact Plating:** 10 µinch selective gold over 30 µinch nickel in the contact area, 5 µinch gold tails

#### Electrical Characteristics

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

**Current Rating:** 5 Amps

**Contact Resistance:** 6 Milliohms maximum

**Insulation Resistance:** 5000 Megohms minimum

### Mechanical Characteristics

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

### Environmental Characteristics

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

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

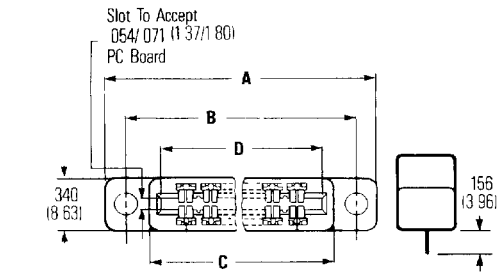
**Vibration:** Per MIL-STD-202E, Method 204, Condition B

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

### Accessories

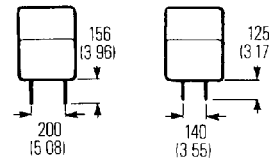
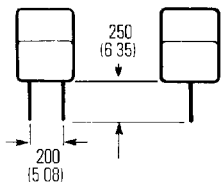
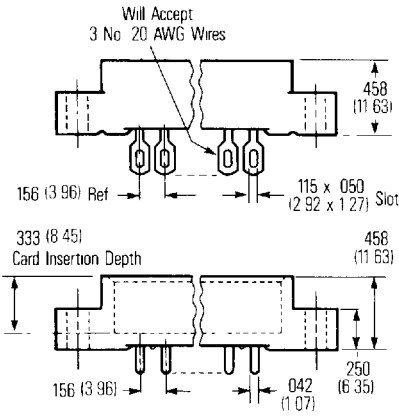
**Polarizing Key:** Two types (order separately): a) for between-contact polarization and b) for in-contact polarization. See page 36 for more information.

**Card Guide Posts:** (Order separately) Attach to mounting ears and guide PC board into connector. See page 36 for more information.



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
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	Solder Eyelet
Part No.	Part No.	
	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	Dip Solder Tails .156" (3.96mm) Long .200" (5.08mm) Between Row Spacing	Dip Solder Tails .125" (3.18mm) Long .140" (3.56mm) Between Row Spacing	Less Mounting Ears
Part No.	Part No.		Part No.	
	Part No.		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

