

3.96mm CENTERS CR6 SERIES SINGLE LINE CONNECTORS

General

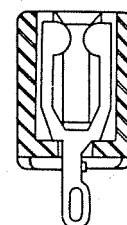
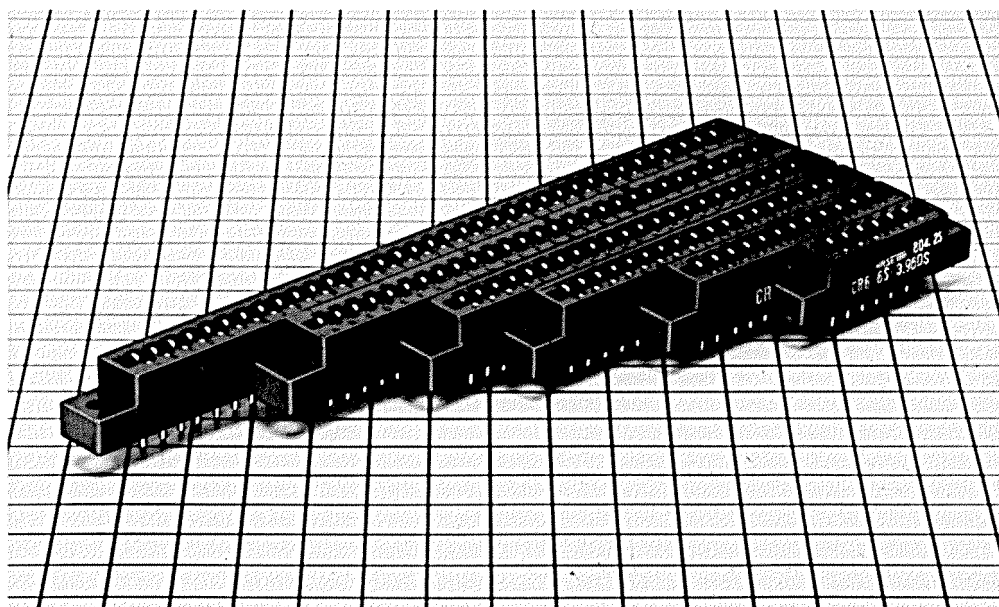
CR6 series are 3.96mm centers single line connectors featuring tuning fork contacts which offer high reliable performance at low cost. CR6 series are fully line-uped in 6, 10, 12, 15, 18, 22, 28, and 36 pin with 4 different types of

terminals of Solder Eyelet, Open End, Dip Solder, and Wire Wrapping. A polarizing key is available for protection of coupling errors.

Material and Finish

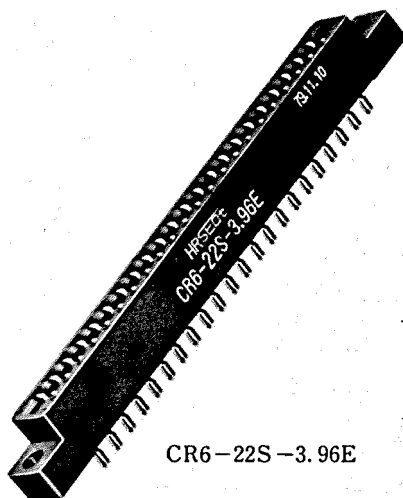
Molding : Dially Phthalate, Blue

Contact : Phosphor Bronze, Whole gold plating over nickel

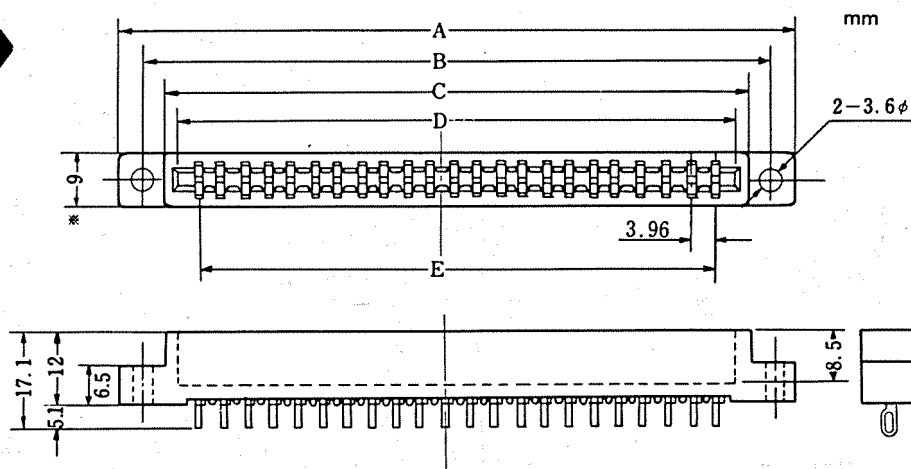


Electrical and Environmental Performance

Current Rating	: 5A
Voltage Rating	: AC600V, DC850V
Insulation Resistance	: 5000M Ω MIN at DC500V
Contact Resistance	: 6m Ω MAX at DC1A
Voltage Withstanding	: AC1800V for a minute
Insertion and	
Extraction Force	: 57–450grs/contact at 1.575 $\pm$ 0.002 mm steel gauge
Humidity	: MIL-STD-202, Insulation Resistance 1000M Ω MIN at 40 $\pm$ 2 $^{\circ}$ C, 90–95%, and 96 hours
Vibration	: MIL-STD-202, No visual damage nor looseness of parts at 50G in 3 directions
Temperature Cycling	: MIL-STD-202, No visual damage at –65 to +125 $^{\circ}$ C
Durability	: Contact Resistance 6m Ω at DC1A after 500 times consecutive coupling operation
Salt Spray	: MIL-STD-202, No heavy corrosion at 5%, 35 $^{\circ}$ C Salt Water spray for 48 hours
Low Level Circuit	: MIL-C-21097, Contact Resistance 6m Ω MAX at DC1mA



CR6-22S-3.96E

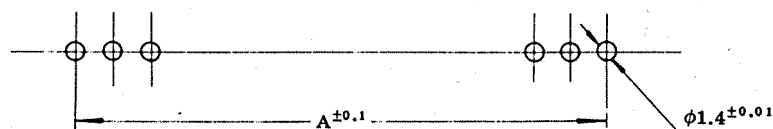


mm							
No. of pin	Part No.	Terminals	A	B	C	D	E
6	CR6- 6S-3.96E	Eyelet	45	38.9	31.47	28	19.8
	CR6- 6S-3.96DS	Dip Solder					
10	CR6-10S-3.96E	Eyelet	61	54.8	47.3	43.8	35.64
	CR6-10S-3.96DS	Dip Solder					
12	CR6-12S-3.96E	Eyelet	68.8	62.7	55.27	51.7	43.56
	CR6-12S-3.96DS	Dip Solder					
15	CR6-15S-3.96E	Eyelet	81	74.6	67.2	63.6	55.44
	CR6-15S-3.96OE	Open End					
	CR6-15S-3.96DS	Dip Solder					
18	CR6-18S-3.96E	Eyelet	93	86.5	79	75.5	67.32
	CR6-18S-3.96OE	Open End					
	CR6-18S-3.96DS	Dip Solder					
22	CR6-22S-3.96E	Eyelet	109	102.4	95	91.3	83.16
	CR6-22S-3.96OE	Open End					
	CR6-22S-3.96DS	Dip Solder					
28	CR6-28S-3.96E	Eyelet	133.7	126.1	118.2	115.1	106.98
	CR6-28S-3.96OE	Open End					
	CR6-28S-3.96DS	Dip Solder					
36	CR6-36S-3.96E	Eyelet	166	158	150	146.8	138.68
	CR6-36S-3.96DS	Dip Solder					

* 28, 36 pin: 11.1mm

Joy k

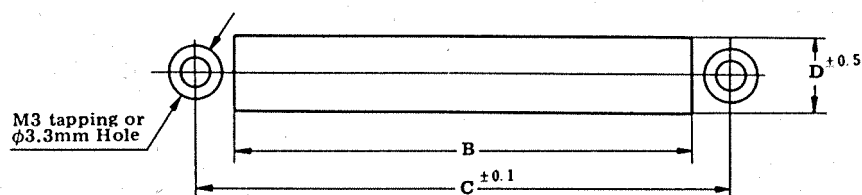
Dip Soldering Pattern



No. of pin	6	10	12	15	18	22	28	36
A	19.8	35.64	43.56	55.44	67.32	83.16	106.98	138.68

mm

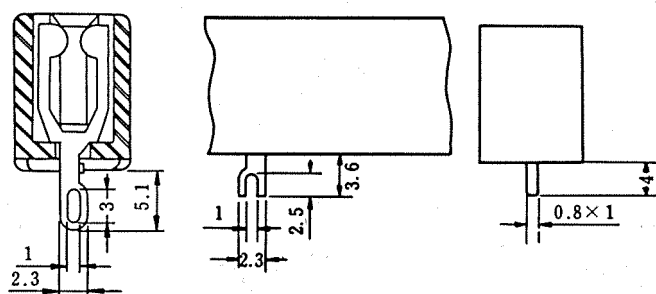
Mounting Cutout



No. of pin	6	10	12	15	18	22	28	36
B	32.47	48.30	56.26	68.20	80.00	96.00	119.10	151.00
C	38.90	54.80	62.70	74.60	86.50	102.40	126.00	158.00
D	10						12	

mm

Terminals

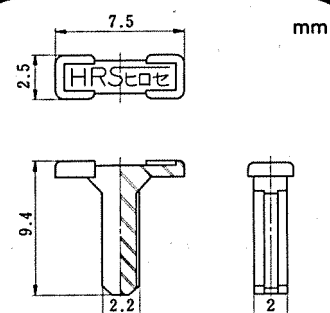


(1)Eyelet

(2)Open End

(3)Dip Solder

Polarizing Key



Part No.	Material
CR6-GPIN (A)	ABS, grey