

4.00mm CENTERS CRIE SERIES SINGLE LINE CONNECTORS

General

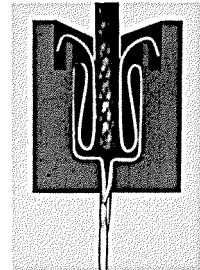
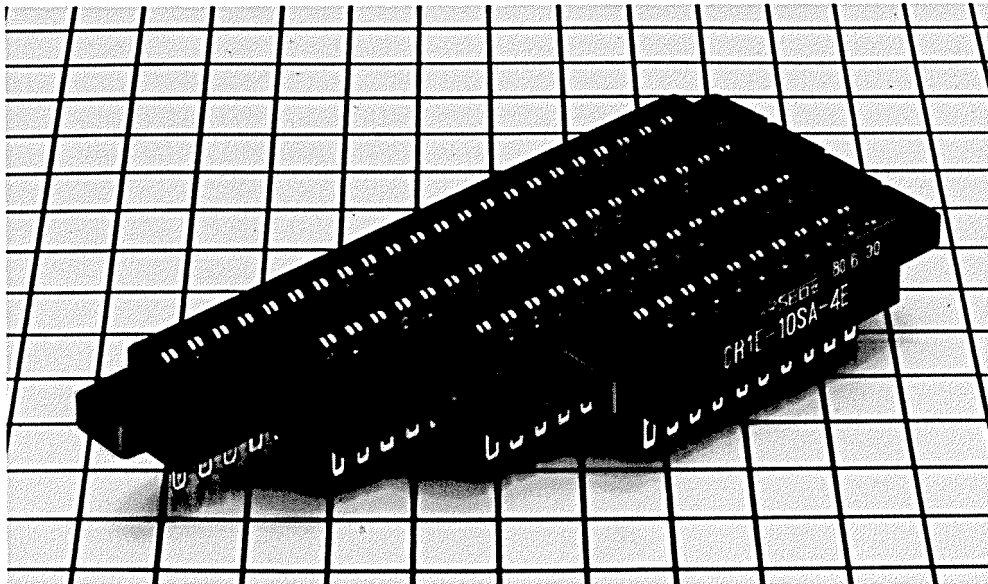
CR1E series are traditional 4.00mm centers single line connectors featuring bellows contacts of 8 contact points in 2 steps which offer excellent electrical and mechanical

characteristics. 10, 14, 18, and 22 pin are line-uped with error-free polarizing key.

Material and Finish

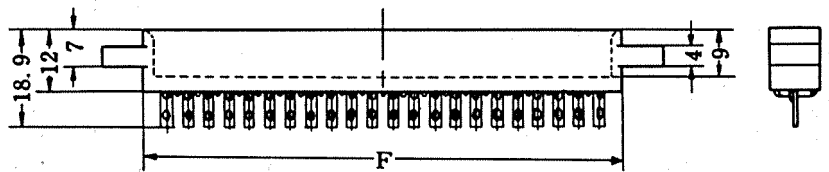
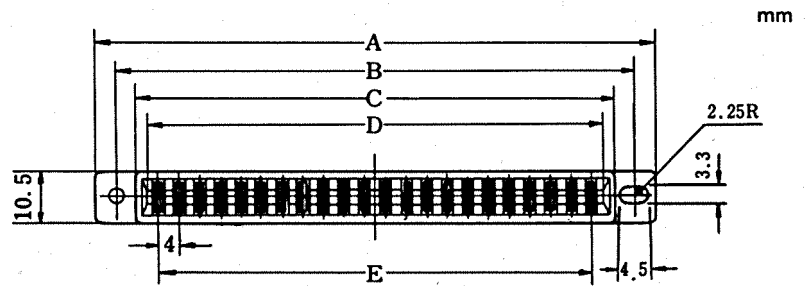
Molding : UL94V-0, Glass-reinforced Polycarbonate, Blue

Contact : Phosphor Bronze, Whole gold plating over nickel

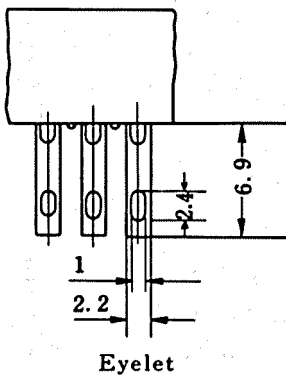


Electrical and Environmental Performance

Current Rating	: 5A
Voltage Rating	: AC600V, DC850V
Insulation Resistance	: 5000M Ω MIN at DC500V
Contact Resistance	: 10m Ω MAX at DC1A
Voltage Withstanding	: AC1800V MIN for a minute
Insertion and	
Extraction Force	: 57grs to 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 10–55Hz with 1.5mm amplitude
Shock	: MIL-STD-202, No visual damage nor looseness of parts at 50G in 3 directions
Temperature Cycling	: MIL-STD-202, No visual damage at –55 to +85 $^{\circ}$ C
Durability	: Contact Resistance 10m Ω MAX 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



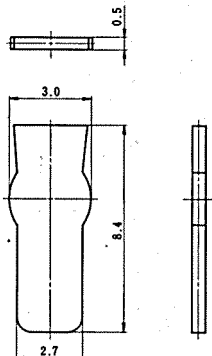
Terminal



Eyelet

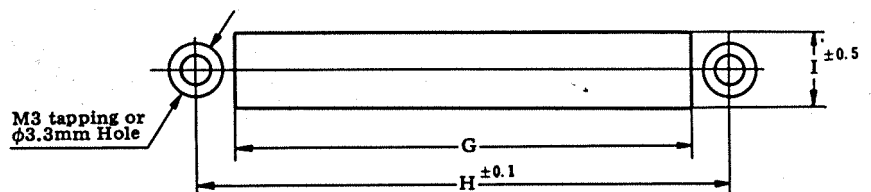
No. of pin	Part No.	A	B	C	D	E	F
10	CR1E-10SA-4E	58	50	43	41	36	43
14	CR1E-14SA-4E	75	67	60	57	52	59
18	CR1E-18SA-4E	92	84	77	73	68	76
22	CR1E-22SA-4E	109	101	93	89	84	93

Polarizing Key



Part No.	Material
CR1E-GPIN	Polyacetal, White

Mounting Cutout



No. of pin	10	14	18	22
G	44	61	78	94
H	50	67	84	101
I	11.5			