

3.175×3.175mm GRID PATTERN CR13 SERIES DUAL LINE CONNECTORS

General

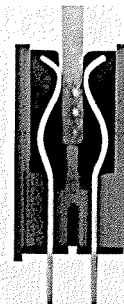
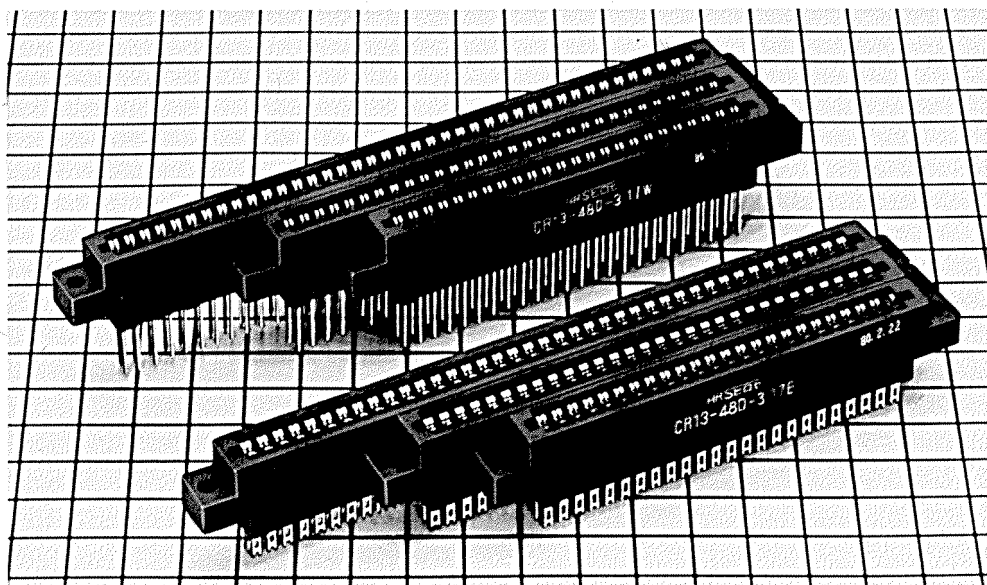
CR13 series are 3.175mm (.125 inch) centers dual line connectors featuring bifurcated contacts finished by traditional whole gold plating or contemporary selective gold plating except soldering eyelet type. 48, 60, and 80

pin are line-uped with Wire Wrapping Post, Dip Soldering Post or Soldering Eyelet Post. The recommended wrapping wire is AWG28. A polarizing key is available for protection of coupling errors.

Material and Finish

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

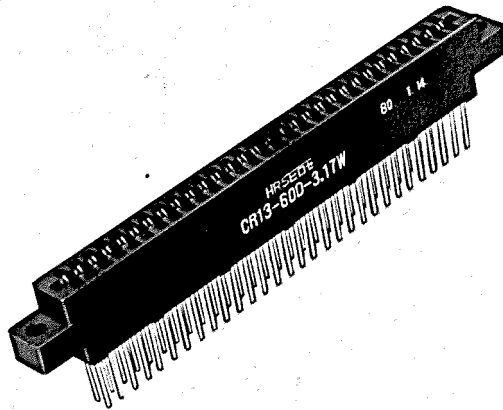
Contact : Phosphor Bronze, (1) Whole gold plating over nickel or (2) Selective gold plating and solder over nickel



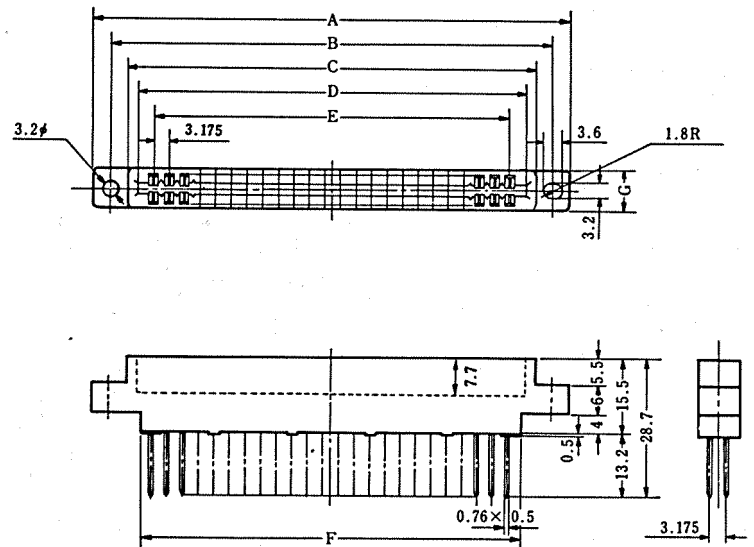
Electrical and Environmental Performance

Current Rating	: 3A
Voltage Rating	: AC600V, DC750V
Insulation Resistance	: 5000MΩ MIN at DC500V
Contact Resistance	: 15mΩ MAX at DC1A
Voltage Withstanding	: AC1800V for a minute
Insertion and	
Extraction Force	: 57–450grs/contact at 1.575 ^{±0.002} mm steel gauge
Humidity	: MIL-STD-202, Insulation Resistance 1000MΩ MIN at 40 ^{±2} °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°C
Durability	: Contact Resistance 15mΩ MAX after 500 times consecutive coupling operation
Salt Spray	: MIL-STD-202, No heavy corrosion at 5%, 35°C salt water spray for 48 hours
Low Level Circuit	: MIL-C-21097, Contact Resistance 15mΩ MAX at DC1mA

mm



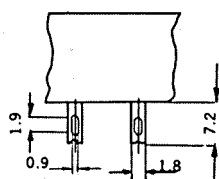
CR13-60D-3.17W



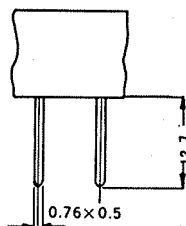
No. of pin	Part No.		Terminal Post								mm
	Wholly Gold Plated	Selectively Gold Plated		A	B	C	D	E	F	G	
48	CR13-48D-3.17W	CR13-48DA-3.17W	Wire Wrap	98	91	84	80	73.025	78	8.6	
	CR13-48D-3.17DS	CR13-48DA-3.17DS	Dip Solder								
	CR13-48D-3.17E	CR13-48DA-3.17E	Eyelet Solder								
60	CR13-60D-3.17W	CR13-60DA-3.17W	Wire Wrap	116	109	102	98	92.075	97	8.6	
	CR13-60D-3.17DS	CR13-60DA-3.17DS	Dip Solder								
	CR13-60D-3.17E	CR13-60DA-3.17E	Eyelet Solder								
80	CR13-80D-3.17W	CR13-80DA-3.17W	Wire Wrap	147	141	135	130	123.825	129	10.0	
	CR13-80D-3.17DS	CR13-80DA-3.17DS	Dip Solder								
	CR13-80D-3.17E	CR13-80DA-3.17E	Eyelet Solder								

JEI

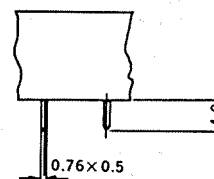
Terminals



(1) Eylet



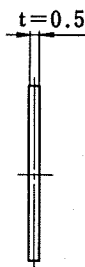
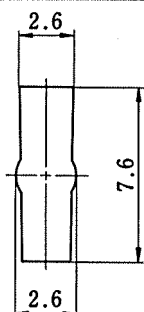
(2) Wrapping



(3) Dip Solder

mm

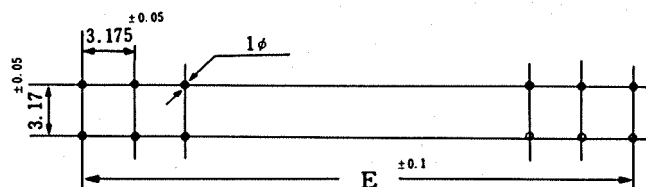
Polarizing Key



mm

Part No.
CR13-GPIN (A)
Polyacetal, White

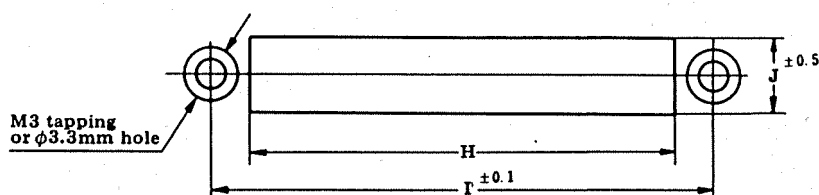
Dip Soldering Pattern



mm

	mm		
No. of pin	48	60	80
E	73.025	92.075	123.825

Mounting Cutout



mm

	mm		
No. of pin	48	60	80
H	79.5	98.5	130.5
L	91	109	141
J	9.6	9.6	11