

PCC7**Series**

3.96 or 4.00 × 4.4 mm GRID PATTERN DUAL LINE CONNECTORS

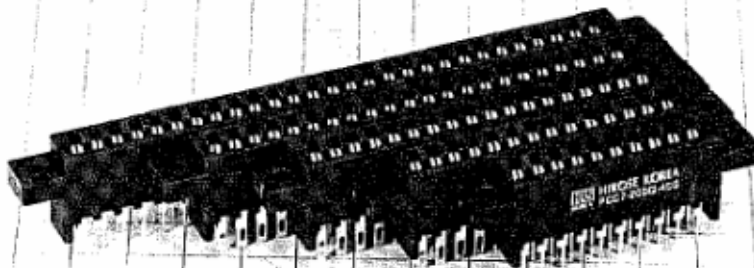
General

PCC7 series are 3.96 or 4.00mm centers dual line connectors featuring bellows contacts of 8 contact point in 2 steps which offer excellent electrical and mechanical characteristics.

20,28,36,44,56 and 72 pin in 4.00mm centers are line-uped with Solder Eyelet or Dip Solder terminals. A polarizing key is available for protection of coupling errors.

Material and Finish

Molding : UL94V-O, Glass-reinforced Polycarbonate, Blue
Contact : Phosphor Bronze, Whole gold Plating over nickel

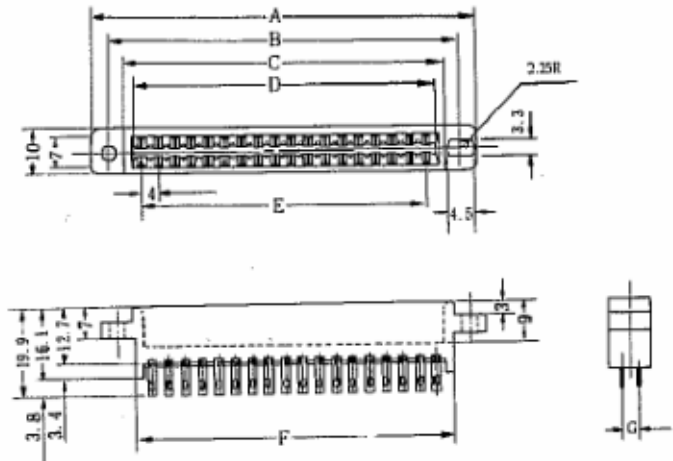
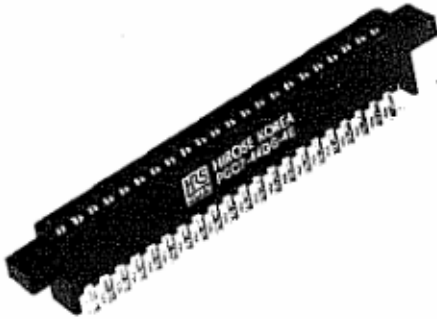


Electrical and Environmental Performance

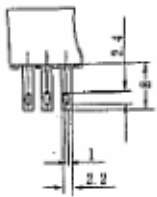
Current Rating	: 3A
Voltage Rating	: AC600V, DC850V
Insulation Resistance	: 5000MΩ MIN at DC500V
Contact Resistance	: 15mΩ MAX at DC1A
Voltage Withstanding	: AC1800V for a minute
Insertion and	
Extraction Force	: 57—450grs/contact at 1.575±0.002mm steel gauge
Humidity	: MIL-STD-202, Insulation Resistance 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

4.00mm Centers Type

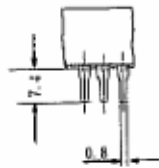
mm



Terminals



Eyelet

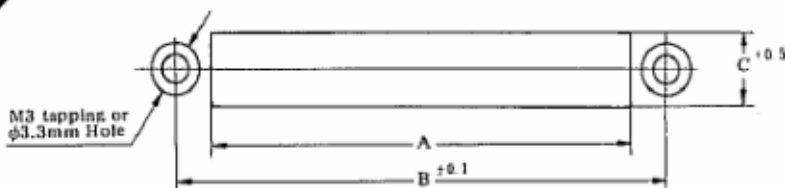


Dip Solder

No. of pin	Part No.	A	B	C	D	E	F	G
20	PCC7-20DG-4E	58	50	43	41	36	43	4.0
	PCC7-20DG-4DS							4.4
28	PCC7-28DG-4E	75	67	60	57	52	59	4.0
	PCC7-28DG-4DS							4.4
36	PCC7-36DG-4E	92	84	77	73	68	76	4.0
	PCC7-36DG-4DS							4.4
44	PCC7-44DG-4E	109	101	93	89	84	93	4.0
	PCC7-44DG-4DS							4.4
56	PCC7-56DG-4E	133	125	117	113.5	108	117	4.0
	PCC7-56DG-4DS							4.4

Mounting Cutout

mm



No. of pin	20	28	36	44	56
A	44	61	78	94	118
B	50	67	84	101	125
C	11.5		11.0		

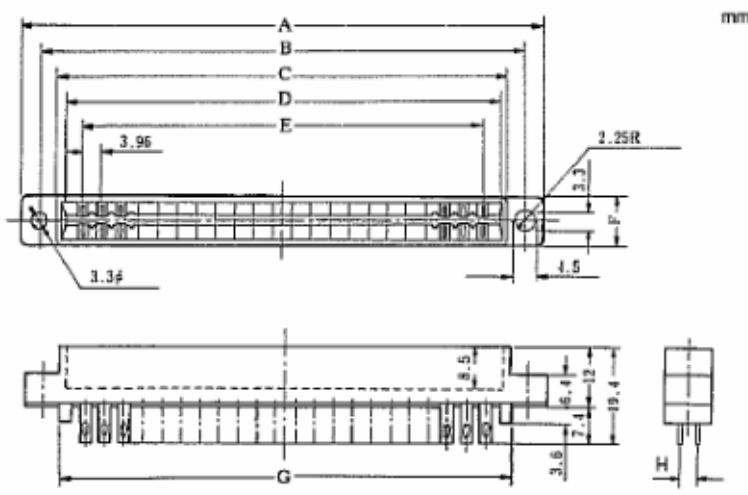
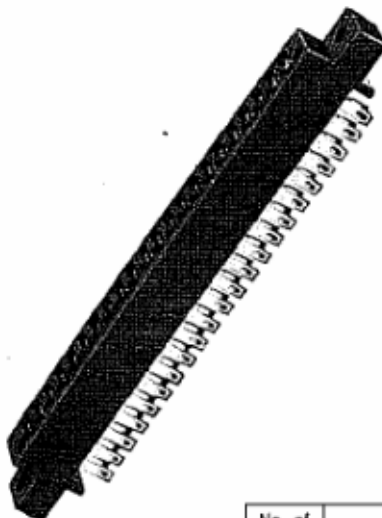
Dip Soldering Pattern

mm



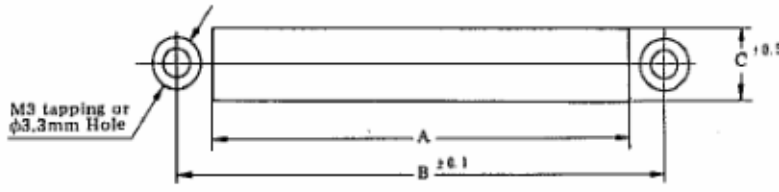
No. of pin	20	28	36	44	56
D	36	52	68	84	108

3.96mm Centers Type



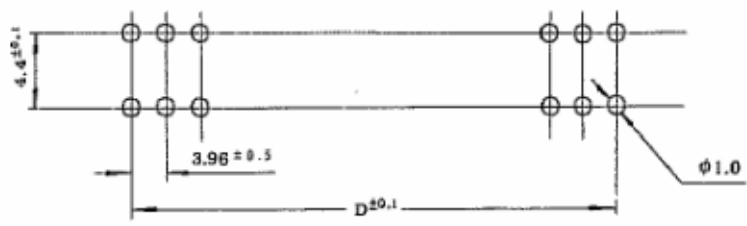
No. of pin	Part No.	A	B	C	D	E	F	G	H
20	PCC7E-20DG-3.96E	83	54.8	47.3	43.8	35.64	9	46.3	4.0
	PCC7E-20DG-3.96DS								4.4
36	PCC7E-36DG-3.96E	94.4	86.5	79	75.5	67.32	9	78	4.0
	PCC7E-36DG-3.96DS								4.4
44	PCC7E-44DG-3.96E	110.2	102.4	95	91.4	83.16	9	94	4.0
	PCC7E-44DG-3.96DS								4.4
56	PCC7E-56DG-3.96E	133.7	126	118.1	115	106.98	11.1	117.1	4.0
	PCC7E-56DG-3.96DS								4.4
72	PCC7E-72DG-3.96E	166	158	150	146.8	138.68	11.1	149	4.0
	PCC7E-72DG-3.96DS								4.4

Mounting Cutout



No. of pin	20	36	44	56	72
A	48.3	80.0	96.0	119.1	151.0
B	54.8	86.5	102.4	126.0	158.0
C	10		12		

Dip Soldering Pattern



No. of pin	20	36	44	56	72
D	35.64	67.32	83.16	106.98	138.68