

**PCC22**

**Series**

**2.54 × 5.08 mm**

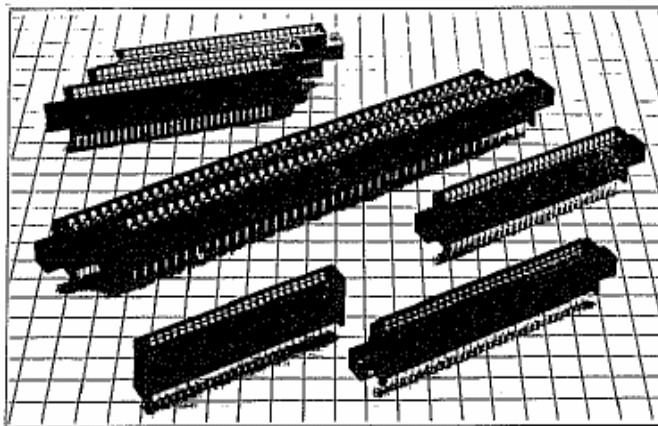
**GRID PATTERN DUAL LINE CONNECTORS**

### General

These low cost, high performance Card Edge Connectors have been designed for office automation and personal computer equipment markets. They conserve precious metal and reduce material cost by means of selective gold plating.

This, together with improved production methods, assures the availability of a high performance connector at low cost to satisfy market requirements.

Contact spacing is 2.54mm and available sizes are 20 – 100.



### Material and Finish

Molding : UL94V-0, Glass-reinforced P.B.T., Black

Contact : Phosphor Bronze

(1) Gold over nickel ..... Contact

(2) Solder over nickel ..... Terminal Post

### Electrical and Environmental Performance

Current Rating : 3A

Voltage Rating : AC300V

Insulation Resistance : 1000MΩ MIN at DC500V

Contact Resistance : 20mΩ MAX at DC 1A

Voltage Withstanding : AC1000V for a minute

Insertion and

Extraction Force : 30–300grs/contact at 1.575±0.002mm steel gauge

Humidity : MIL-STD-202, Insulation Resistance 1000MΩ MIN at 40±2°C, 90–95%, and 48 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

Durability : Contact Resistance 20mΩ MAX after 500 times consecutive coupling operation

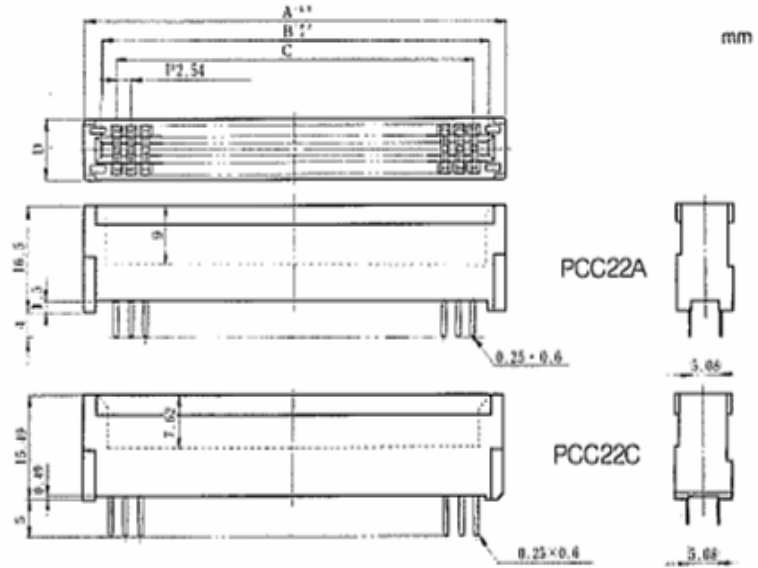
Salt Spray : MIL-STD-202, No heavy corrosion at 5%, 35°C Salt Water spray for 48 hours

Low Level Circuit : MIL-C-21097, Contact Resistance 20mΩ MAX at DC1mA

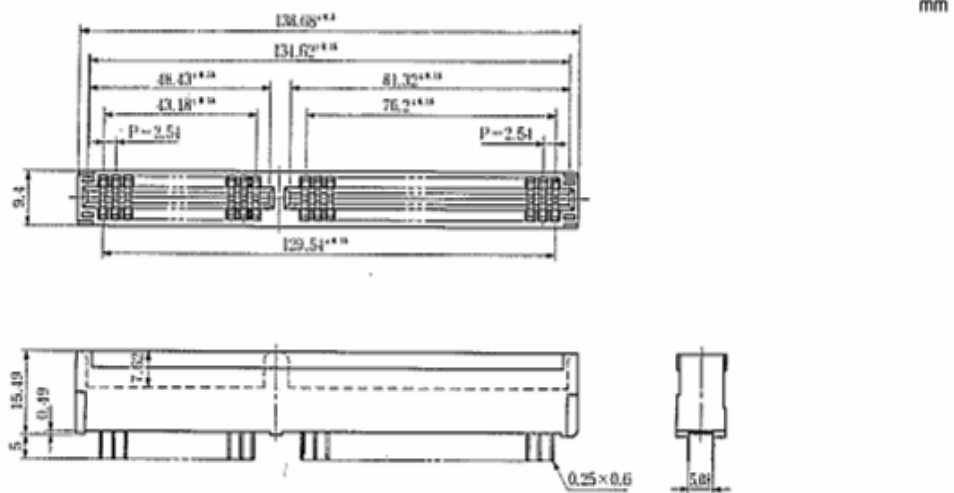
# Without Mounting Hole



PCC22A-50D-2.54DS



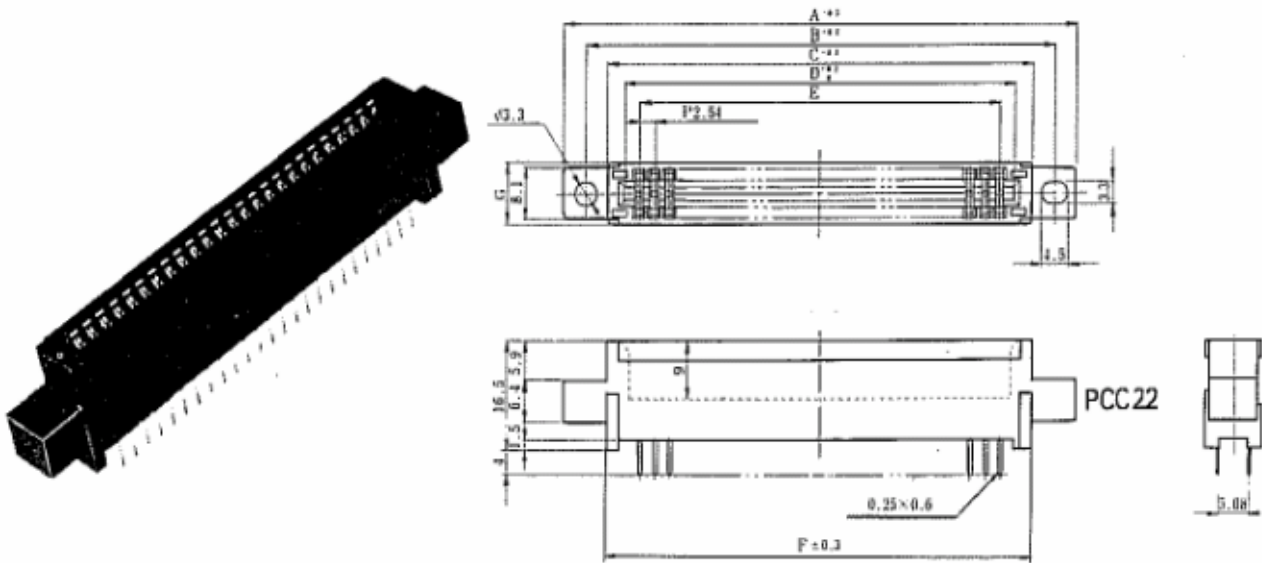
No. of pin	Part. No.	A	B	C	D
20	PCC22A-20D-2.54DS	34.04	27.94	22.86	9.5
30	PCC22A-30D-2.54DS	46.74	40.64	35.56	9.5
36	PCC22A-36D-2.54DS	54.36	48.26	43.18	9.5
	PCC22C-36D-2.54DS	52.32	48.26	43.18	9.4
44	PCC22A-44D-2.54DS	64.52	58.42	53.34	9.5
50	PCC22A-50D-2.54DS	72.14	66.04	60.96	9.5
60	PCC22A-60D-2.54DS	84.84	78.74	73.66	9.5
62	PCC22A-62D-2.54DS	87.98	81.28	76.2	9.4
	PCC22C-62D-2.54DS	85.34	81.28	76.2	9.4
68	PCC22A-68D-2.54DS	95	88.9	83.82	9.5
72	PCC22A-72D-2.54DS	100.08	93.98	88.9	9.5
80	PCC22A-80D-2.54DS	110.24	104.14	99.08	9.5
98	PCC22C-98D-2.54DS	138.68	134.62	129.54	9.4
100	PCC22A-100D-2.54DS	135.64	129.54	124.46	9.5
120	PCC22E-120D-2.54DS	161.04	154.75	149.86	10
120	PCC22EC-120D-2.54DS	161.04	154.75	149.86	10



No. of pin	Part No.
98	PCC22C-98D-2.54DS

## With Mounting Hole

mm

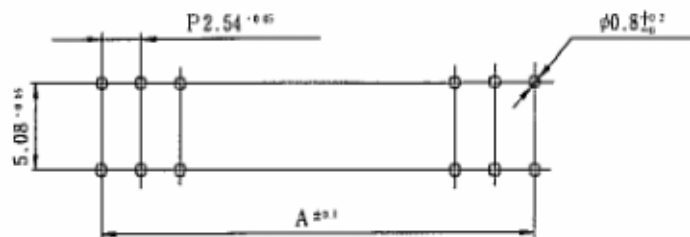


mm

No. of pin	Part. No.	A	B	C	D	E	F	G
20	PCC22-20D-2.54DS	49.04	41.44	34.04	27.94	22.86	34.04	9.5
30	PCC22-30D-2.54DS	61.74	54.14	46.74	40.64	35.56	46.74	9.5
34	PCC22-34D-2.54DS	66.82	59.22	51.82	45.72	40.64	51.82	9.5
36	PCC22-36D-2.54DS	69.36	61.76	54.36	48.26	43.18	54.36	9.5
44	PCC22-44D-2.54DS	79.62	71.92	64.62	58.42	53.34	64.62	9.5
50	PCC22-50D-2.54DS	87.14	79.54	72.14	66.04	60.96	72.14	9.5
60	PCC22-60D-2.54DS	99.84	92.24	84.84	78.74	73.66	84.84	9.5
62	PCC22-62D-2.54DS	102.38	94.78	87.38	81.28	76.2	87.38	9.5
68	PCC22-68D-2.54DS	110	102.4	95	88.9	83.82	95	9.5
72	PCC22-72D-2.54DS	115.08	107.48	100.08	93.98	88.9	100.08	9.5
80	PCC22-80D-2.54DS	125.24	117.64	110.24	104.14	99.06	110.24	9.5
100	PCC22-100D-2.54DS	150.64	143.04	135.64	129.54	124.46	135.64	9.5

## PCB Hole Pattern (Backboard)

mm



No. of pin	20	30	34	36	44	50	60	62	68	72	80	100	120
A	22.86	35.56	40.64	43.18	53.34	60.96	73.66	76.20	83.82	88.90	99.06	124.46	149.86