

PCC22

Series

2.54 × 5.08 mm

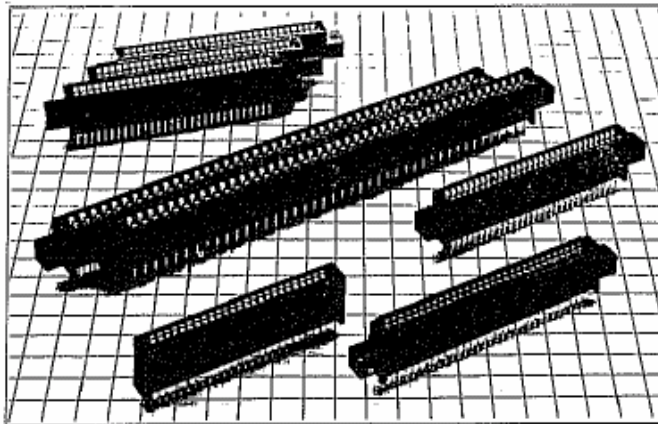
GRID PATTERN DUAL LINE CONNECTORS

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

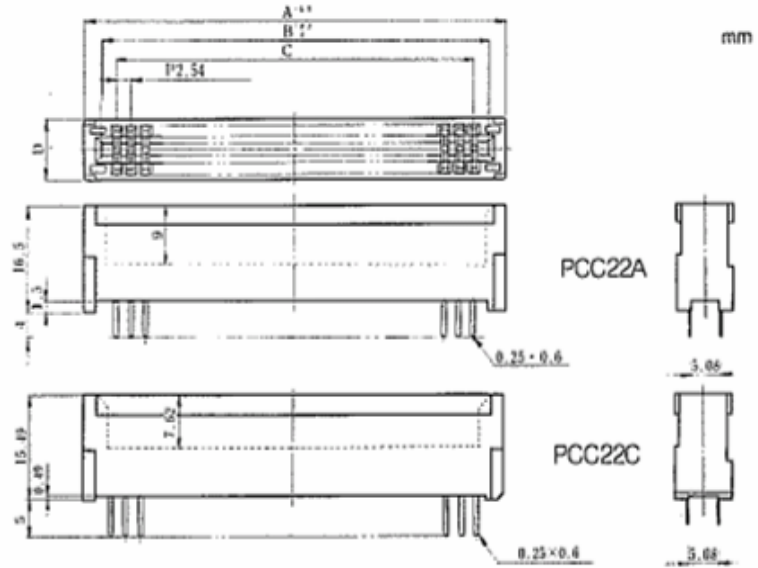
Salt Spray : MIL-STD-202, No heavy corrosion at 5%, 35°C Salt Water spray for 48 hours

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

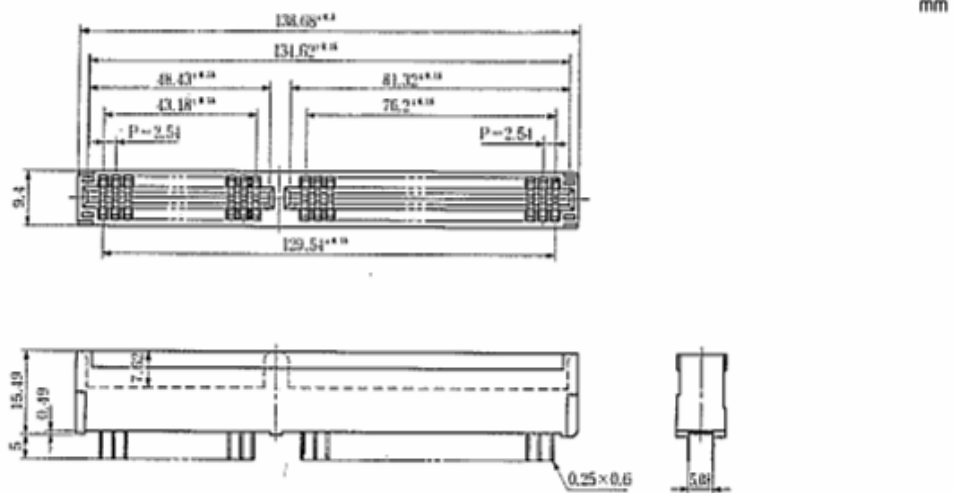
Without Mounting Hole



PCC22A-50D-2.54DS

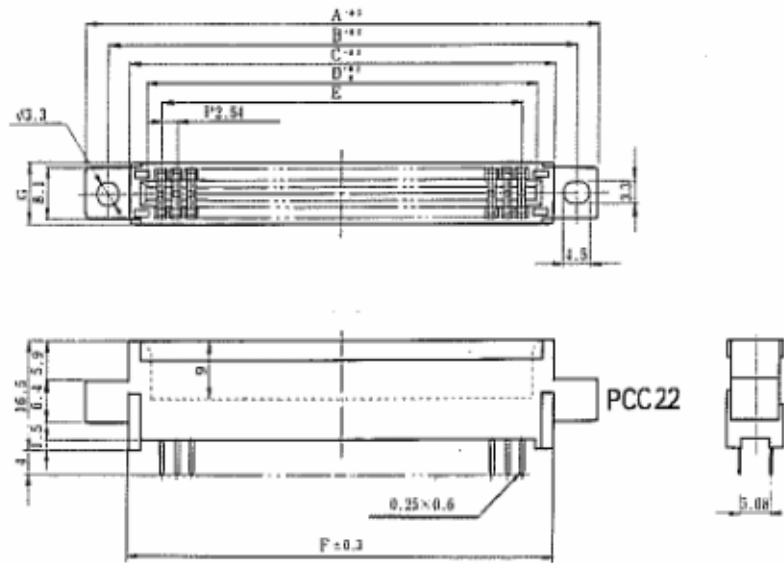
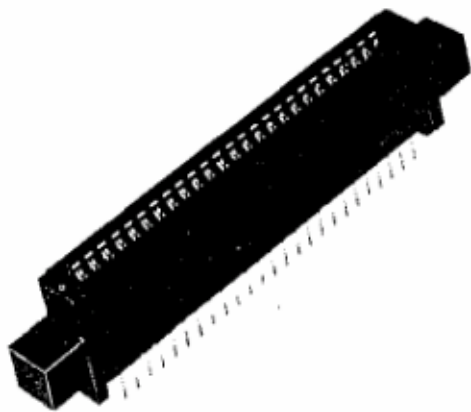


| No. of pin | Part. No. | A | B | C | D |
|------------|---------------------|--------|--------|--------|-----|
| 20 | PCC22A-20D-2.54DS | 34.04 | 27.94 | 22.86 | 9.5 |
| 30 | PCC22A-30D-2.54DS | 46.74 | 40.64 | 35.56 | 9.5 |
| 36 | PCC22A-36D-2.54DS | 54.36 | 48.26 | 43.18 | 9.5 |
| | PCC22C-36D-2.54DS | 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 |

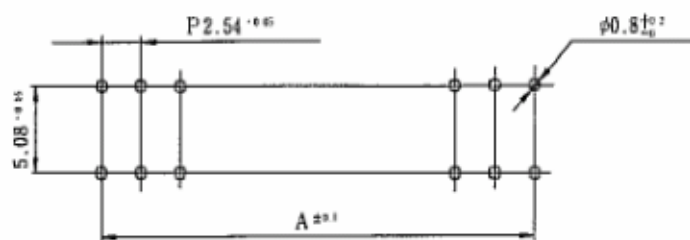
With Mounting Hole



mm

| 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 |