

SDIR(S) - 1778mm (1778mm)



- ## SPECIFICATIONS

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|---------------------------------|--------------------------------|
| Insulation Resistance | 1,000M Ω min. at 500VDC |
| Dielectric Withstanding Voltage | 700VAC rms for 1 minute |
| Contact Resistance | 20m Ω max. at 10mA |
| Current Rating | 1A |
| Operating Temperature Range | 150°C max. continuous (IC7612) |
| | 170°C max. continuous (IC7620) |

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|----------|--|
| Housing | PSF (glass-filled), UL94V-0 rated (IC7612) PES (glass-filled), UL94V-0 rated (IC7620) |
| Contacts | Copper alloy, gold plating over nickel |

IC7620—4006—G4MF

MF = With
Flange option Unmarked = Without
Straight solder dip terminal
Type of contact plating G = Gold
Distance between IC terminal rows: 6 = 0.6 inches
Number of leads
Insulator 12 = PSF, 20 = PES

Technical drawing of a 4-pin connector. The drawing includes a top view, a side view, and a cross-sectional view. Dimensions are given in millimeters.

Top View Dimensions:

- A: Overall width
- B: Width of the central section
- C: Distance from the left edge to the center of the first pin
- H: Distance between the centers of the two rows of pins
- J: Distance from the left edge to the center of the second pin
- K: Distance between the centers of the two rows of pins
- 1.778: Distance from the center of the first pin to the center of the second pin
- 1.2: Distance from the center of the first pin to the center of the second pin

Side View Dimensions:

- D: Overall height
- E: Height of the central section
- F: Height of the side section
- G: Distance from the bottom edge to the center of the first pin
- 0.4: Thickness of the side section
- 3.2: Distance from the center of the first pin to the center of the second pin
- 4.0: Distance from the center of the first pin to the center of the second pin

Cross-sectional View Dimensions:

- 2.0: Overall width
- 1.0: Distance from the center of the first pin to the center of the second pin
- 14.5: Distance from the bottom edge to the center of the first pin
- 0.3: Thickness of the side section
- 0.5: Thickness of the side section
- 3.0: Distance from the bottom edge to the center of the first pin

Callouts:

- 4-R1.0: Radius of the top corners
- 2- ϕ 3.2 Hole: Two holes with a diameter of 3.2 mm
- Hole (3.2 dia.) with spot facing (6.2 dia., 3.0 deep): Spot facing details
- C1.5: Chamfer dimension

Technical drawing of a mechanical part with dimensions and tolerances:

- Overall width: $B \pm 0.1$
- Top hole diameter: $2-\phi 3.2$ Hole
- Top hole position: 77.8 ± 0.05
- Top hole diameter: $\phi 3.2$ Hole
- Top hole position: $H \pm 0.1$
- Top hole diameter: $2-\phi 3.2$ Hole
- Top hole position: $K \pm 0.1$
- Top hole diameter: $\phi 3.2$ Hole
- Top hole position: $J \pm 0.15$
- Top hole diameter: $\phi 3.2$ Hole
- Top hole position: $G \pm 0.1$
- Top hole diameter: $2-\phi 3.2$ Hole
- Top hole position: $N-\phi 0.7 \phi 1$ Hole

| Part No. | No. of Tests | A | B | C | D | E | F | G | H | I | J | K |
|-----------------------|--------------|------|--------|------|------|------|------|------|------|------|------|---|
| IC76 **—2003—G4 (MF) | 20 | 20.0 | 16.002 | 17.0 | 8.3 | 2.0 | 7.5 | 11.4 | — | 23.0 | 11.0 | |
| IC76 **—2006—G4 (MF) | 20 | 19.5 | 16.002 | 24.6 | 15.9 | 8.0 | 10.3 | 19.0 | — | 30.6 | 11.0 | |
| IC76 **—2203—G4 (MF) | 22 | 22.0 | 17.78 | 17.0 | 8.3 | 2.0 | 7.5 | 11.4 | — | 23.0 | 11.0 | |
| IC76 **—2403—G4 (MF) | 24 | 24.0 | 19.858 | 17.0 | 8.3 | 2.0 | 7.5 | 11.4 | — | 23.0 | 13.0 | |
| IC76 **—2804—G4 (MF) | 28 | 27.5 | 23.114 | 19.5 | 10.8 | 2.9 | 8.0 | 13.9 | — | 25.5 | 16.5 | |
| IC76 **—3004—G4 (MF) | 30 | 29.0 | 24.892 | 19.5 | 10.8 | 2.9 | 8.0 | 13.9 | — | 25.5 | 16.5 | |
| IC76 **—4006—G4 (MF) | 40 | 38.0 | 33.782 | 24.6 | 15.9 | 8.0 | 10.3 | 19.0 | 25.5 | 30.6 | 25.5 | |
| IC76 **—4206—G4 (MF) | 42 | 39.5 | 35.56 | 24.6 | 15.9 | 8.0 | 10.3 | 19.0 | 25.5 | 30.6 | 25.5 | |
| IC76 **—4806—G4 (MF) | 48 | 45.0 | 40.894 | 24.6 | 15.9 | 8.0 | 10.3 | 19.0 | 26.0 | 30.6 | 26.0 | |
| IC76 **—5206—G4 (MF) | 52 | 48.5 | 44.45 | 24.6 | 15.9 | 8.0 | 10.3 | 19.0 | 28.0 | 30.6 | 28.0 | |
| IC76 **—64075—G4 (MF) | 64 | 59.5 | 55.118 | 28.4 | 19.7 | 11.8 | 13.7 | 22.8 | 29.5 | 38.2 | 29.5 | |



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