

SPECIFICATIONS

| | |
|----------------------------------|-----------------------------|
| Insulation Resistance: | 1,000MΩ min. at 500V DC |
| Dielectric Withstanding Voltage: | 700V AC for 1 minute |
| Contact Resistance: | 20mΩ max. at 10mA/20mV max. |
| Current Rating: | 1A max. |
| Operating Temperature Range: | -40°C to +170°C (PES) |
| Mating Cycles: | 25,000 to 50,000 insertions |

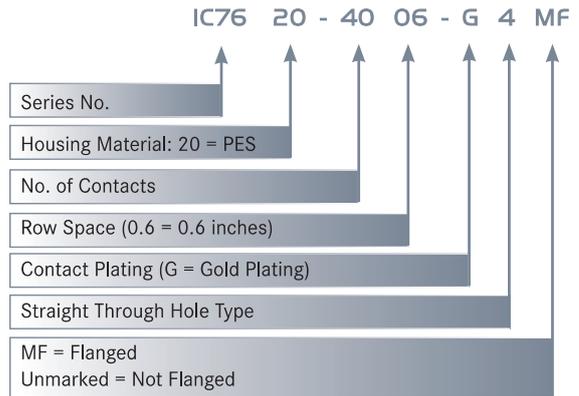
MATERIALS AND FINISH

| | |
|-----------|---------------------------------------|
| Housing: | Polyethersulphone (PES), glass-filled |
| Contacts: | Beryllium Copper (BeCu) |
| Plating: | Gold over Nickel |

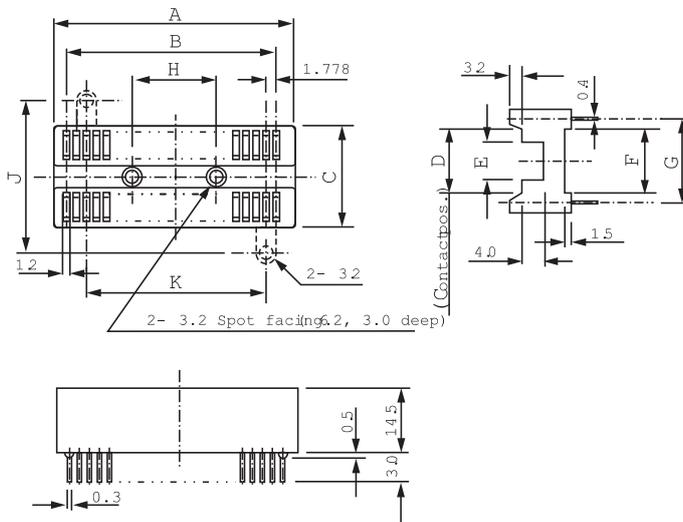
FEATURES

- Shrink pitch (1.778mm) sockets for high-density mounting
- Dual wipe contacts ensure high reliability

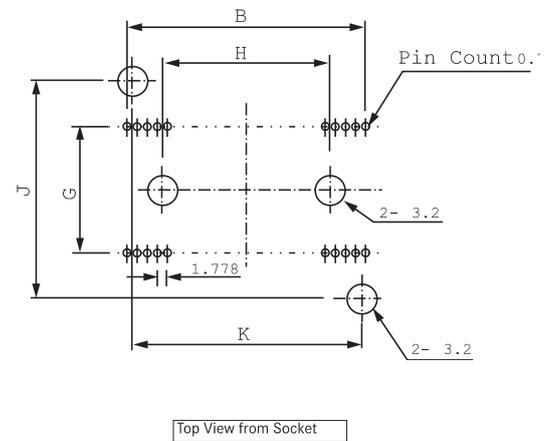
PART NUMBER



OUTLINE SOCKET DIMENSIONS



RECOMMENDED PCB LAYOUT



1.778MM PITCH

| Part Number | Pin Count | A | B | C | D | E | F | G | H | J | K |
|-------------------|-----------|------|---------------------|------|------|------|------|------|------|------|------|
| IC7620-2003-G4 ** | 20 | 20.0 | 1.778 x 9 = 16.002 | 17.0 | 8.3 | 2.0 | 7.5 | 11.4 | - | 23.0 | 11.0 |
| IC7620-2203-G4 ** | 22 | 22.0 | 1.778 x 10 = 17.78 | 17.0 | 8.3 | 2.0 | 7.5 | 11.4 | - | 23.0 | 11.0 |
| IC7620-2403-G4 ** | 24 | 24.0 | 1.778 x 11 = 19.558 | 17.0 | 8.3 | 2.0 | 7.5 | 11.4 | - | 23.0 | 13.0 |
| IC7620-2804-G4 ** | 28 | 27.5 | 1.778 x 13 = 23.114 | 19.5 | 10.8 | 2.9 | 8.0 | 13.9 | - | 25.5 | 16.5 |
| IC7620-3004-G4 ** | 30 | 29.0 | 1.778 x 14 = 24.892 | 19.5 | 10.8 | 2.9 | 8.0 | 13.9 | - | 25.5 | 16.5 |
| IC7620-4006-G4 ** | 40 | 38.0 | 1.778 x 19 = 33.782 | 24.6 | 15.9 | 8.0 | 10.3 | 19.0 | 25.5 | 30.6 | 25.5 |
| IC7620-4206-G4 ** | 42 | 39.5 | 1.778 x 20 = 35.56 | 24.6 | 15.9 | 8.0 | 10.3 | 19.0 | 25.5 | 30.6 | 25.5 |
| IC7620-4806-G4 ** | 48 | 45.0 | 1.778 x 23 = 40.894 | 24.6 | 15.9 | 8.0 | 10.3 | 19.0 | 26.0 | 30.6 | 26.0 |
| IC7620-5206-G4 ** | 52 | 48.5 | 1.778 x 25 = 44.45 | 24.6 | 15.9 | 8.0 | 10.3 | 19.0 | 28.0 | 30.6 | 28.0 |
| IC7620-64075-G4** | 64 | 59.5 | 1.778 x 31 = 55.118 | 28.4 | 19.7 | 11.8 | 13.7 | 22.8 | 29.5 | 38.2 | 29.5 |

Table shows only a selection of sockets available. For customised or other socket types, please contact Yamaichi Electronics