

Datamate J-Tek 3-Row Specification

Materials

| | |
|------------------|--|
| Housings: | Glass-filled thermoplastic UL94V-0 |
| Female contacts: | Brass shell, with Beryllium Copper inner contact |
| Male contacts: | Phosphor bronze |
| Finish: | Gold |

Electrical

| | |
|-----------------------------------|--|
| Current | |
| Individual contacts in isolation: | 3.3A max (at 25°C) 2.6A max (at 85°C) |
| All contacts simultaneously: | 3.0A max (at 25°C) 2.2A max (at 85°C) |
| Working voltage | |
| At sea level 1013 mbar: | 800V DC or AC _{rms} |
| Voltage proof | |
| At sea level 1013 mbar: | 1200V DC or AC _{rms} |
| Contact resistance | |
| Initial: | 20mΩ max |
| After conditioning: | 25mΩ max |
| Insulation resistance | |
| Initial: | 1000MΩ min |
| After conditioning: | 100MΩ min |

Mechanical

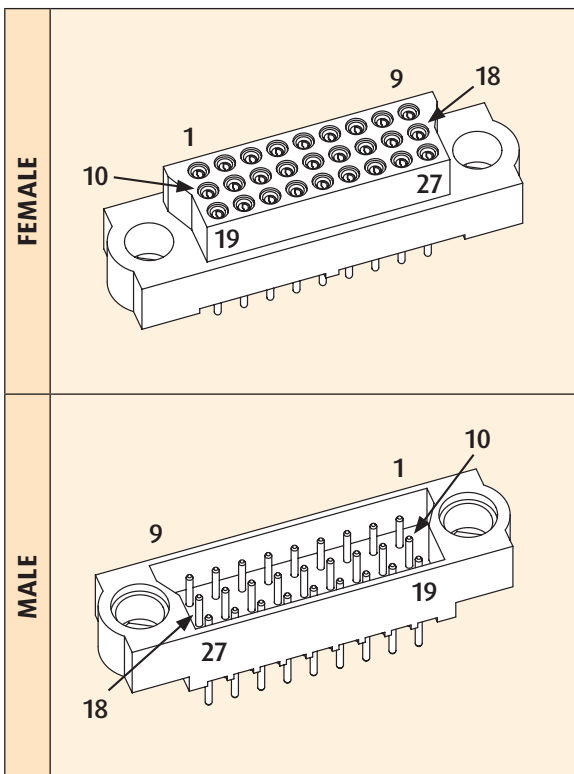
| | |
|-----------------------------|--|
| Durability: | 500 operations |
| Insertion force (max): | 1.0N |
| Withdrawal force (min): | 0.2N |
| Signal crimp accommodation: | 22 AWG to 28 AWG BS 3G 210 Type A or MIL-DTL-16878/6 Type ET |

Environmental

| | |
|-------------------------------|---|
| Environmental classification: | 55/125/56 days at 95% RH |
| Operational temperature: | -55°C to +125°C |
| *Vibration sensitivity: | 10Hz to 2000Hz, 0.75mm, 98m/s ² (10G), duration 6h |
| *Bump severity: | 390m/s ² (40G), 4000 ±10 bumps |
| *Shock severity: | 981m/s ² (100G) for 6ms |
| *Acceleration severity: | 490m/s ² (50G) |

* Tested with connectors with Jackscrews.

Pin Numbering



Mating Profiles

| | | FEMALE | |
|------|-------------------------|-----------------------|-------|
| | | VERTICAL THROUGHBOARD | CRIMP |
| MALE | VERTICAL THROUGHBOARD | | |
| | HORIZONTAL THROUGHBOARD | | |

All dimensions in mm.