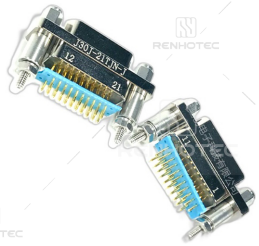


J30J(MIL-DTL-83513 / MDM) Metal Shell 21pin Straight PCB Micro-D MIL-Spec Male Connector, 1.27x2.54mm Grid

Part Number:

# J30J-21TJN-J

## Basic Information

| | |
|---|---|
| Color | Primary Color |
| Connector Type | Plug |
| Contact Spacing | 1.27mm |
| Contact Termination | PCB Mount |
| Contact Type | Male |
| Mounting Type | Free Hanging |
| Number of Cores | 21 |
| Number of Interface Rows | 2 |
| Orientation | Straight |

## Electrical Specification

| | |
|---|---|
| Contact Resistance | ≤ 10mΩ |
| Insulation Resistance | ≥ 5000MΩ |
| Rated Current | 3A |
| Wire Gauge | $0.1mm^2$~$0.15mm^2$ |
| Withstand Dielectric Voltage | 800V |

## Material Specification

| | |
|---|---|
| Contacts Plating | Gold-plated |
| Housing Material | Aluminum Alloy |
| Housing Plating | Nickel-plated |

## Environmental Specification

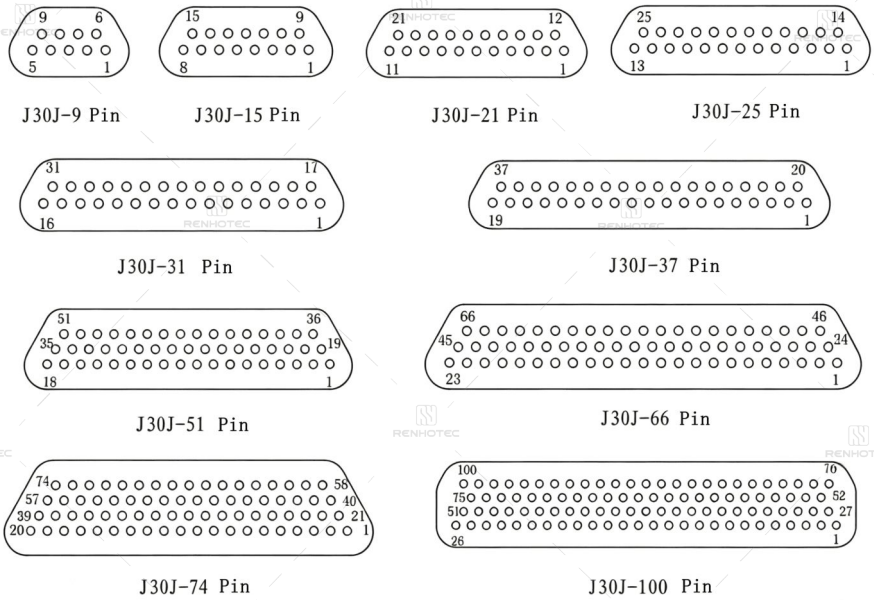
| | |
|---|---|
| Operating Temperature | -55℃ to +125℃ |

## How to Order

J30 — J — X- — X — TJ / ZK — X — X- — X

| Code | Description | Options | |
|---|---|---|---|
| **J30** | Series / Basic Type | Micro-D Rectangular Connector (MIL-DTL-83513 Equivalent) | |
| **J** | Shell Material | **J** — Metal Shell | |
| **X-** | Series Modification | **Blank** — Basic Type<br>**D** — M2-6H Mounting Holes<br>**M1** — Glass Sintered Hermetic | **A** — Quick-lock<br>**M** — Rubber Seal<br>**S** — Stainless Steel Shell |
| **X** | Number of Contacts | 9, 15, 21, 25, 31, 37, 51, 66, 69, 74, 100 pins | |
| **TJ / ZK** | Connector and Contact Type | **TJ** — Plug with Male Pins<br>**ZK** — Receptacle with Female Sockets | |
| **X** | Termination Style | **Blank** — Crimp<br>**N** — Straight PCB (Through-hole) | **S** — Solder Cup<br>**W** — Right Angle PCB |
| **X-** | Locking Hardware Type | **K, L** — Free-end Locking Assembly<br>**P, V** — Fixed-end Locking Assembly | |
| **X** | Modification Code | **A** — Shielding Sleeve (Crimp only)<br>**D** — Anti-rotation Structure (Fixed-end only)<br>**J** — 1.27mm × 2.54mm PCB Grid Spacing | **C** — Vertical Wire Exit (Crimp only)<br>**AD** — Combination of A and D<br>**Q, Q8** — Widened Flange |

## Contact Layout




## Disclaimer

The information in this specification is subject to change without notice. Please confirm the latest version before use. Technical parameters are for reference only, and sufficient testing and verification should be conducted in actual applications.