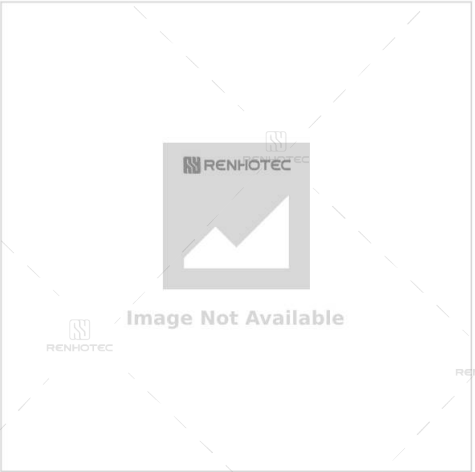


J30J(MIL-DTL-83513 / MDM) Metal Shell 51pin Straight PCB Micro-D MIL-Spec Male Connector

Part Number:

J30J-51TJN

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	51
Number of Interface Rows	3
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

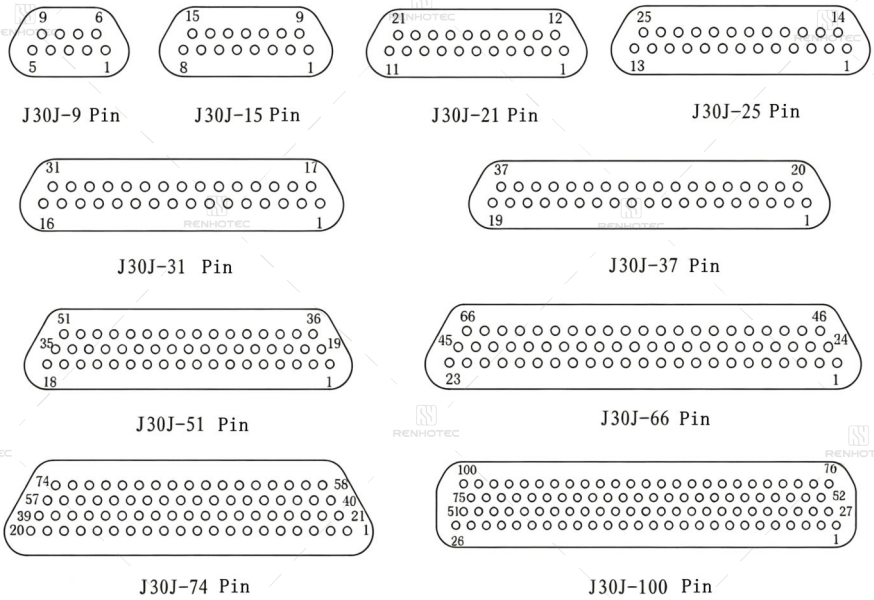
Operating Temperature	-55℃ to +125℃

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 **D** — M2-6H Mounting Holes **M1** — Glass Sintered Hermetic	**A** — Quick-lock **M** — Rubber Seal **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 **ZK** — Receptacle with Female Sockets	
X	Termination Style	**Blank** — Crimp **N** — Straight PCB (Through-hole)	**S** — Solder Cup **W** — Right Angle PCB
X-	Locking Hardware Type	**K, L** — Free-end Locking Assembly **P, V** — Fixed-end Locking Assembly	
X	Modification Code	**A** — Shielding Sleeve (Crimp only) **D** — Anti-rotation Structure (Fixed-end only) **J** — 1.27mm × 2.54mm PCB Grid Spacing	**C** — Vertical Wire Exit (Crimp only) **AD** — Combination of A and D **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.