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J14B rectangular connectors

Conform to Chinese military connector standard **GJB142A-94**, equivalent to MIL-C-24308A.2.

Product Description

Highly reliable J14B series is extended from J14 series, designed as crimp contact and higher density of contact for low-frequency electrical connections.

Performance specification

Temperature rating: -55 °C ~ +125 °C

Relative humidity: at 40 °C ± 2 °C, 90% ~ 95%

Vibration: at 10 Hz~2000 Hz, acceleration 196 m/s^2

Shock: 980 m/s^2

Atmospheric pressure: 101.3 KPa ~ 4.39 KPa

Acceleration: 780 m/s^2.

Electrical performance

Rated current: 2 A

Contacting resistance: ≤ 15 mΩ

≤ 0.006 ohm in normal conditions

≤ 0.010 ohm after aging test

Insulation resistance:

≥ 2000 MΩ in normal conditions

≥ 1000 MΩ in hot conditions

≥ 20 MΩ in wet conditions

≥ 5 MΩ rain conditions

Withstanding voltage: ≤ 800 V in Normal conditions

Endurance: ≥ 500 cycles

Material specification

Metal shell: Aluminum-alloy, type: 7A04, As per SAE-AMS-QQ-A-250/11. Electroless Nickel Plating, Thickness: 25um as per GJB142A-94

Contacts: Copper-Alloy, machined and gold plated, thickness: 0.4um as per GJB142A-94. Hermetically sealed receptacle - Conductive plating, with higher corrosion requirement.

Insulator: PBT (polybutylene terephthalate), withstanding voltage: 800V, as per GJB142A-94. Environment resisting - Corrosion resistant composite --65°C to +175°C.

Hardware: Stainless steel, type: 304 as per GJB142A-94. Environment and corrosion resistant steel - Passivated - Conductive - Space grade.

Wire: AF/250-0.15 mm2, White - Copper wire with silver plating as per GJB142A-94. Environment resisting - Corrosion resistant with firewall barrier - 65°C to +200°C.

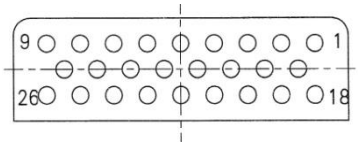
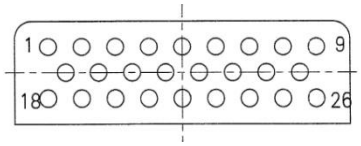
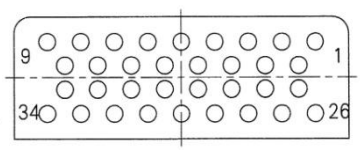
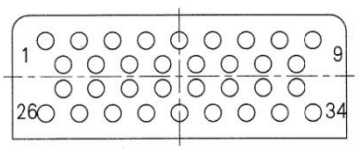
Encapsulant: Epoxy resin, Environment resisting - Corrosion resistant with firewall barrier - 65°C to +200°C.

Seal: Silicon Rubber.

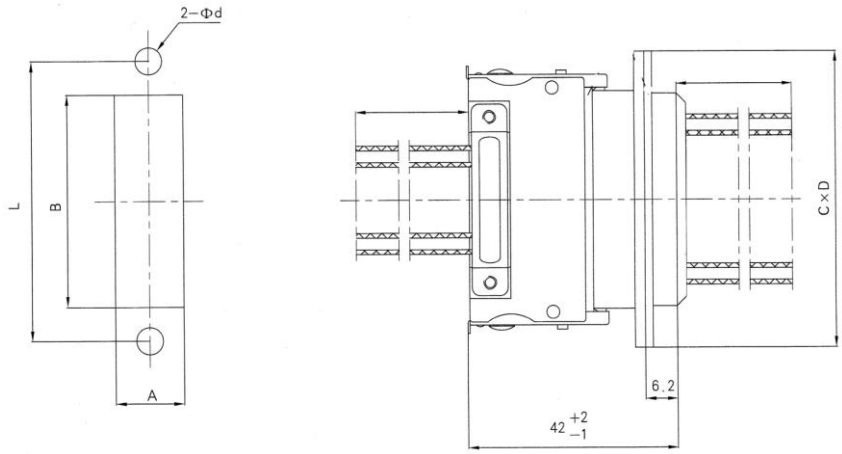
Part number

J14B	-26	T	K
Basic series			
Number of contact 26, 34			
Type of plug and receptacle T = Plug Z = Receptacle			
Type of contact J = Pin K = Socket			

Contact layout

Contact number	Male pin	Female pin
26		
34		

Shell size



Part number	L	A±0.05	B±0.05	C	D	d
J14B-26T/Z J14B-26TK/ZJ	28	6.6	21.2	12	34	3.0
J14B-34T/Z J14B-34TK/ZJ	34	10.0	25.0	16	41	3.5