

Technical Characteristics

Mechanical & Environmental		Standards
Temperature Rating	-65°C to 165°C	—
Durability	500 mate/unmate cycles min.	—
Corrosion	Meets requirements	MIL-STD-202 Method 101, Test Condition B
Shock	Meets requirements	MIL-STD-202 Method 213, Test Condition B
Vibration	Meets requirements	MIL-STD-202 Method 204, Test Condition B
Thermal Shock	Meets requirements	MIL-STD-202 Method 107, Test Condition B

Materials & Finishes		
Contact Body & Inner Contacts	BeCu, UNS C17200, C17300, TD04 Gold plating	ASTM-B196 — ASTM-B488
Other Metal Contact Parts	Brass, UNS C36000, H02 Gold plating	ASTM-B16 — ASTM-B488
Insulators	PTFE, Utlem 1000 or LCP	— —
Plug/Receptacle Shell	Aluminum 6061-T6 Electroless nickel plating	ASTM-B211 SAE AMS-C-26074

Electrical		
Contact Current Rating	3.0 A max.	—
DWV	500 VDC max.	—
Insulation Resistance	5,000 MΩ min. @ 200 VDC	—
Bandwidth	Up to 3 GHz	—
Data Rates	Exceeding 2 Gbps	—
Differential Pair Cable Impedance	150 Ω + 15 Ω 100 Ω + 10 Ω	—
Signal to Shield Cable Impedance	75 Ω + 10 Ω 50 Ω + 7 Ω	—