



NOW AVAILABLE: PRINTED CIRCUIT BOARD PLUGS AND RECEPTACLES

Quick-Disconnect						Threaded	
Right Angle, Rear Panel Mount	Right Angle, Rear Panel Mount, PCB Mounting Holes	Vertical, Rear Panel Mount	Vertical, Rear Panel Mount, PCB Mounting Holes	Vertical, Rear Panel Mount, Ground Pins	Vertical, Rear Panel Mount	Vertical, Rear Panel Mount	Right Angle, Rear Panel Mount

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Mechanical and Environmental Specifications

Description	Requirement	Standard
Water Immersion, mated	1 meter, 1 hour	MIL-STD-810F Method 512.4
Ingress Protection, mated	IP67 rating	IEC-60529
Vibration, Sine	30 g's	EIA-364-28
Vibration, Random	37.8 g's	EIA-364-28 Test Condition V IEC-60512-6-4
Gunfire Vibration	No discontinuity	MIL-STD-810 Method 519
Mechanical Shock	300g's	EIA-364-27 Condition D IEC-60512-6-3
Corrosion (Salt Mist)	Nickel-plated aluminum: 48 hours Other finishes: 500 hours	EIA-364-26 IEC 60512-11-6
Fluid Immersion	No damage from immersion in various fuels and oils.	EIA-364-10
Magnetic Permeability	2 μ maximum.	EIA-364-54
Durability (mating cycles)	2000	EIA-364-09

Electrical Specifications

Property	5 Amp Contact	3 Amp Contact	1 Amp Contact
Current Rating	5A	3A	1A
Wire Size	#22 - #28 AWG	#24 - #30 AWG	#28 - #32 AWG
Dielectric Withstanding Voltage	500Vac	500 Vac	250Vac
Contact Resistance	20 milliohms	32 milliohms	80 milliohms
Contact Specification	AS39029	MIL-DTL-83513	MIL-DTL-32139
Shell Resistance	< 5 milliohms		
Shielding Effectiveness	>55 dB thru 1000MHz		
Insulation Resistance	5000 megohms minimum		

Materials

Property	Description
Insulator	Thermoplastic, glass-filled
Shell	Aluminum or stainless steel
1A. Contact	Precious metal alloy pin, gold-plated copper alloy socket
3A. and 5A. Contact	Copper alloy, 50 microinches gold over nickel finish
Encapsulant	Epoxy
Wire	Space-Grade High strength silver-coated copper alloy, ETFE insulation (M22759/33 or equiv.)