

TECHNICAL DATA

Power Module Input Connector

Materials		
Insulator	PBT (UL 94-V0)	
Power Contacts	Copper alloy, Precision machined contacts	Mating side gold over nickel Soldering side tin over nickel
Signal contacts	Copper alloy, Precision machined contacts	Mating side gold over nickel Soldering side gold over nickel
Shell	Steel	Tin plated
Mounting bracket	Zink die-cast	Tin plated
4-40 UNC threaded insert	Copper alloy	Tin plated
Hex bolt with 4-40 UNC threaded insert and washers	Steel	Nickel plated
PCB clip for 1.6 mm PCB LP	Copper alloy	Tin plated
Electrical characteristics		
Current rating	Power contacts	24 A at max. 30°C temperature rise
	Signal contacts	7.5 A nominal
Clearance- and creepage distance	Power contacts	1.5 mm min.
	Signal contacts	0.4 mm min.
	Signal and power contacts	1.5 mm min.
	Power contacts and shell	1.5 mm min.
	Signal contacts and shell	1.5 mm min.
Insulation resistance	Power contact	5000 MΩ min.
	Signal contact	5000 MΩ min.
	Signal and power contacts	5000 MΩ min.
	Power contacts and shell	5000 MΩ min.
	Signal contacts and shell	5000 MΩ min.
Dielectric with standing voltage	1000 V r.m.s.	
Mechanical characteristics		
Mating cycles	250	
Mating force	100 N max.	
Unmating force	65 N max.	

Technical alterations are subjects to change without notice.