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E350787

Product Specification:	Document No	PS-9502-01
Subject: 9.50mm Pitch 9502Series Connector Specification	Date Issued	2016/07/20
	Date Revised	2020/05/19
	Version	B

This specification is referred to the 9.50mm series wire to board connector

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1. Scope

This Specification Covers the 9.50mm Pitch 9502 Series Connector Specification.

2. Spec and Part number

Specification	Production No.	Picture of Product
Terminal Blocks	9502WV-XX-N0SWBK	

3. Disposal of Material and surface

Specification		Materials	Disposal of Surface
Terminal Blocks	Housing	PA66	UL94V-0
	Terminal	Brass	3-5μm Sn Over 1-2μm Cu
	Screw	Steel	2-5μm Zn

（**Please Refer to the Project drawing for the above Specification**）

4. Ratings and applicable wires

Item	Standard	
Rated Voltage (Max.)	300V	[AC/DC]
Rated Current (Max.)	30A	
Ambient temperature Range	-40℃~105℃	
Applicable wire insulation O.D	AWG #12~22	

*Including terminal temperature rise.

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5. PERFORMANCE

5-1. Electrical Performance.

Item		Test Condition	Requirement
5-1-1	Contact Resistance	Mate connectors, measure by dry circuit, 20mV MAX,10mA. (Based upon EIA-364-06A).	Initial: 30 milliohms Max.
5-1-2	Insulation Resistance	Mate connectors, apply 1000V DC between adjacent terminal or ground. (Based upon EIA-364-21B / MIL-STD-202 Method 302 Cond.B)	1000 Megohms Min.
5-1-3	Dielectric Strength	Mate connectors, apply 3400V AC for 1 minute between adjacent terminal or ground. (Based upon EIA-364-20A / MIL-STD-202 Method 301)	No Breakdown and Flashover

5-2. Mechanical Performance.

Item		Test Condition	Requirement
5-2-1	Terminal Retention	Force required to dislodge terminals from thehousing, applied at a rate of 25 ± 6 mm (1 ±¼ inch) per minute, in the irection opposite terminal insertion.	150N {15.3kgf} min.
5-2-2	Screw Torque	Tighten screw to 110% rated torque [1.01 Nm(9.0 in-lb)] with max. and min. wire sizes and loosen 5 timesper	No damage to housing, terminal, or screw

5-3. Environmental Performance and Others.

Item		Test Condition	Requirement	
5-3-1	Temperature Rise	Carrying rated current load.	Temperature rise	30℃ Max.
5-3-2	Salt Spray	24±1 hours exposure to a salt spray from the 5±1% solution at 35±2℃. (Based upon EIA-364-26A/MIL-STD-202 Method 101D Cond.B).	Appearance	No Damage