



ACRON PRECISION INDUSTRIAL CO., LTD.

Product Specification

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TITLE	REV	ECN NO.	REV	ECN NO.
D-SUB CONNECTOR –RIGHT ANGLE, ULTRA COMPACT FOOTPRINT	A	021225		
SPEC NO. PS-SR-0001				



Product Specification

1. SCOPE

This specification defines the performances for ****DSR**** series.

2. PRODUCT DESCRIPTION

The D-Subminiature right angle, PCB mount ultra compact footprint connector of which one row, two rows & high density PCB type.

3. APPLICABLE DOCUMENTS AND SPECIFICATIONS

See product drawing and other sections of this specification for the relevant reference documents and specifications. In cases where the specification differs from the product drawings, the product drawings take precedence.

4. RATINGS

4.1	Current	5 Amps
4.2	Voltage	300 VDC (maximum)
4.3	Temperature	-55°C to 105°C
4.4	Durability	500 mating cycles

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5. PERFORMANCE

5.1 Electrical Performance

Test Description	Requirement	Procedure
Contacts resistance (Initial value)	maximum: 13 m Ω	Maximum applied voltage 20mv at a current of 100mA per. EIA-364-23A
Dielectric Withstanding Voltage	No Breakdown	Test between adjacent contacts at 1000VAC (rms) and 60 seconds hold time per EIA-364-20B
Insulation Resistance	1000 M Ω minimum	Test between adjacent contacts at 500vdc (rms) and 2 minutes per EIA-364-21B

5.2 MECHANICAL

Test Description	Requirement	Procedure
Durability	Appearances-no damage 30 m Ω Maximum (change from initial)	The sample should be mounted in the tester and fully mated and unmated 300 times per hour at the rate of 25mm/min. per EIA-364-09B.
Solderability	Solderable area shall have minimum of 95% solder coverage.	EIA-364-52
Mating and Unmating Forces	See table 1	Mate the connector with its mating part and measure force per EIA-364-13B

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table 1																				
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5.3 ENVIRONMENTAL																				
<table><tr><td>Salt spray</td><td>No damage</td><td>Subject mated connector to test salt spray for 48 hour per EIA-364-26B</td></tr></table>						Salt spray	No damage	Subject mated connector to test salt spray for 48 hour per EIA-364-26B												
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6. PACKING																				
All parts shall be packaged and packed to protect against physical damage, corrosion and deterioration during shipment and storage.																				
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