

Technical Data Sheet

Battery Mating Connectors MC11-Series (PN: D90553)



Battery Mating Connectors

Features:

- Mating connectors for batteries D91120, D91130
- 2A max. charge or discharge current to battery
- 4-pin male spring pin connector
- 2.5mm pitch
- RoHS compatible

Applications:

- Mating connectors for semi smart batteries used in medical and industrial applications

Specification

Ratings	
Current	2A max. / pin
Voltage	12V DC
Materials	
Housing	Thermoplastic High Temperature, UL 94V-0, black
Contacts	Copper Alloy
Plating	G/F on contact area G/F on solder tails
Environmental Condition	
Operating Temperature	-40°C to +105°C

Electrical Requirements	
Contact Resistance	40mOhm max.
Insulation Resistance	100MOhm min. at 500VDC/2min
Dielectric withstanding voltage	No breakdown @ 500V RMS
Mechanical Requirements	
Contact Retention Force	300gf min. / pin
Physical Requirements	
Solder Temperature	245°C ± 5°C
Immersion Period	5 ± 0.5sec
Regulatory Approvals	
RoHS	

RRC-MC11-90-2	
RRC part number	210520
PCB mounting	SMT 90°
Mechanical Requirements	
Dimensions (LxWxH)	10.5mm x 5.5mm x 6.5mm
Weight	<1g
Packaging	
44pcs connectors per tube	
144pcs tubes per carton	

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