

# 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

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

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

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

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