

Technical Data Sheet

Battery Mating Connectors RRC-MC11-Serie



Battery Mating Connectors

Features:

- Mating connectors for RRC batteries RRC1120, RRC1130
- 2A max. charge or discharge current to battery
- 4-pin male spring pin connector
- 2.5mm pitch
- RoHS compatible

Applications:

- Mating connectors for RRC's 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	

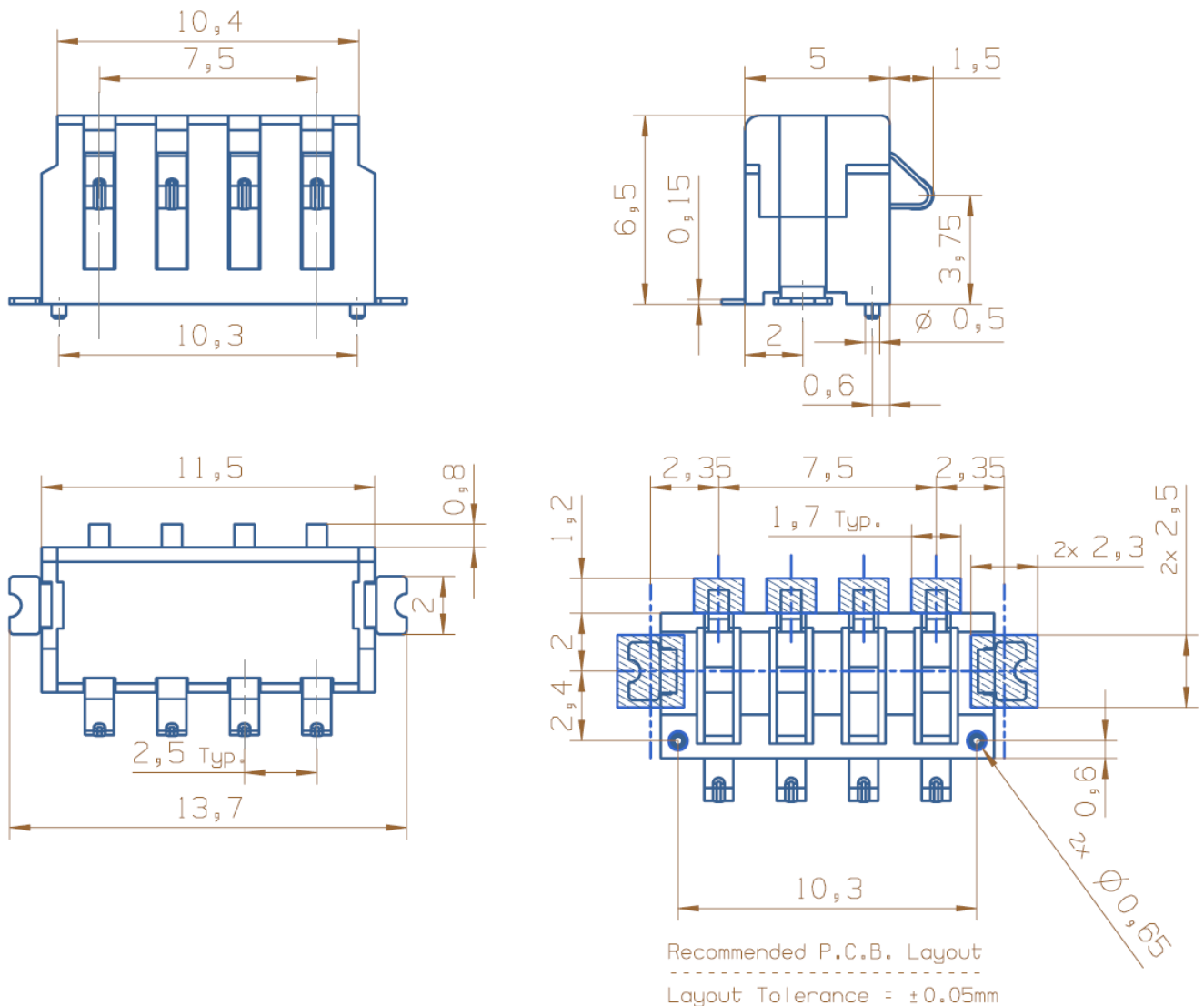
Germany/Headquarters	USA	Hong Kong	China
RRC power solutions GmbH Technologiepark 1 D-66424 Homburg / Saar Tel.: +49 6841 98090 Fax: +49 6841 9809280 Email: sales@rrc-ps.de Web: www.rrc-ps.de	RRC power solutions Inc. 18340 Yorba Linda Blvd., Suite 107-437 Yorba Linda, CA 92886-4104 Tel.: +1 714 777 3604 Fax: +1 714 777 3658 Email: usa@rrc-ps.com Web: www.rrc-ps.com	RRC power solutions Ltd. S-V,6/F, Valiant Industrial Centre 2-12 Au Pui Wan Street Fo Tan, N.T., Hong Kong Tel.: +852 2376 0106 Fax: +852 2375 0107 Email: hkrrc@rrc-ps.cn Web: www.rrc-ps.com	RRC power solutions Ltd. Room 520, Yuanlin Building, Aiguo Road No. 3066, Luohu District, Shenzhen 518021 Tel.: +86 755 8374 1908 Fax: +86 755 8374 1861 Email: hkrrc@rrc-ps.cn Web: www.rrc-ps.com

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RRC-MC11-90-2



To facilitate a fast design-in process for developers, RRC is providing 3D data of the mating connectors and the battery housings of RRC smart batteries. Please contact your RRC representative. For further information on the RRC smart batteries please refer to the RRC website (www.rrc-ps.com).

Germany/Headquarters	USA	Hong Kong	China
RRC power solutions GmbH Technologiepark 1 D-66424 Homburg / Saar	RRC power solutions Inc. 18340 Yorba Linda Blvd., Suite 107-437 Yorba Linda, CA 92886-4104	RRC power solutions Ltd. S-V,6/F, Valiant Industrial Centre 2-12 Au Pui Wan Street Fo Tan, N.T., Hong Kong	RRC power solutions Ltd. Room 520, Yuanlin Building, Aiguo Road No. 3066, Luohu District, Shenzhen 518021
Tel.: +49 6841 98090 Fax: +49 6841 9809280 Email: sales@rrc-ps.de Web: www.rrc-ps.de	Tel.: +1 714 777 3604 Fax: +1 714 777 3658 Email: usa@rrc-ps.com Web: www.rrc-ps.com	Tel.: +852 2376 0106 Fax: +852 2375 0107 Email: hkrcc@rrc-ps.cn Web: www.rrc-ps.com	Tel.: +86 755 8374 1908 Fax: +86 755 8374 1861 Email: hkrcc@rrc-ps.cn Web: www.rrc-ps.com