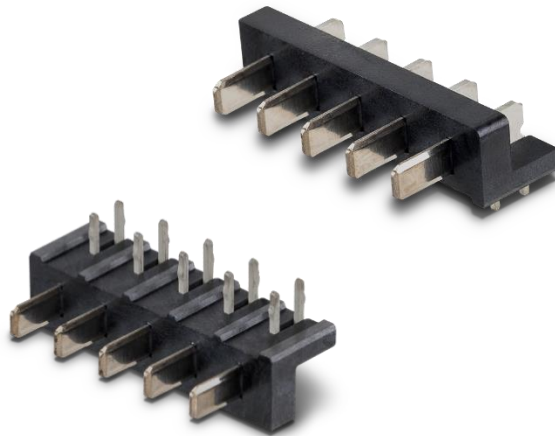


RRC-MC20-90-10

Battery Mating Connector

P/N: 210519

Distributed by:



Features:

- Mating connector for standard battery form factors RRC20xx
- 10.00A max. charge or discharge current to battery
- 5-pin male connector
- 5mm pitch
- RoHS and REACH compliant

Applications:

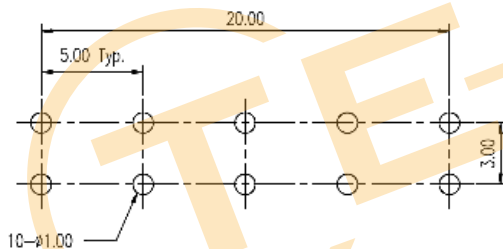
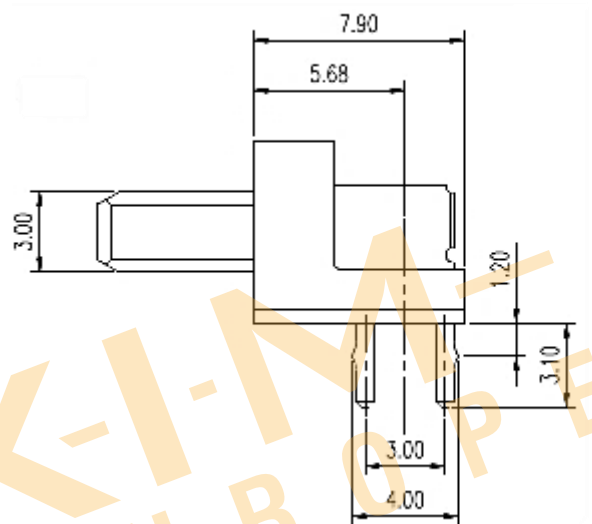
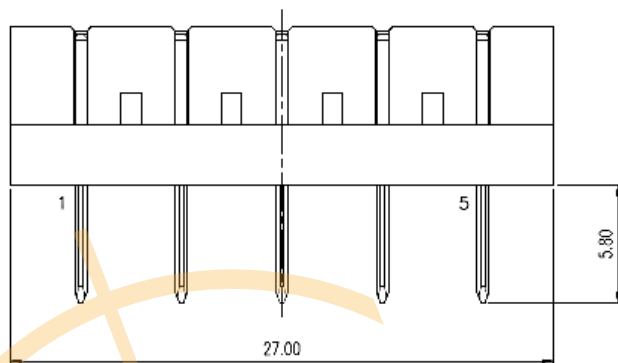
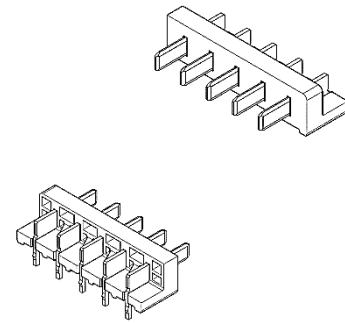
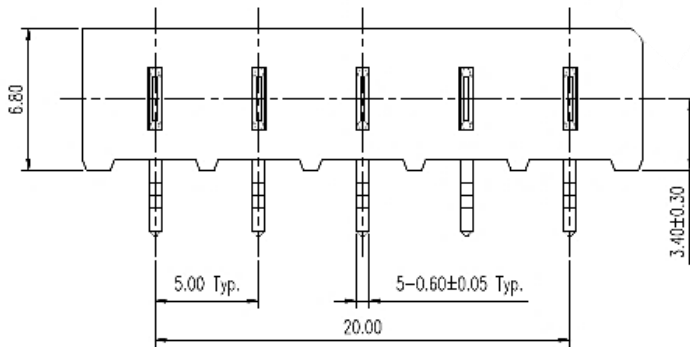
Mating connector for RRC's smart batteries used in medical, industrial and consumer applications

Specification

Ratings	
Current	10.00A max. / pin
Voltage	125.00VAC / 1min
Materials	
Housing	Thermoplastic High Temperature, UL 94 V-0, black
Contacts	Copper Alloy
Plating	80µin Nickel on contact area, 100µin Matte-Tin on solder tails
Environmental Condition	
Operating Temperature	-55°C to +105°C
Electrical Requirements	
Contact Resistance	30mOhm max.
Insulation Resistance	100mOhm min. at 500VDC / 2min
Dielectric withstand	500.00V
Mechanical Requirements	
Dimensions (LxWxH)	27mm x 13.70mm x 9.90mm
Weight	Typical 3g
PCB mounting	90°
Contact Retention Force	500g min. / pin
Durability	5000 cycles
Physical Requirements	
Solder Temperature	260°C ± 5°C
Immersion Period	5sec (EIA-364-56C)
Regulatory Approvals	
Green Procurement	RoHS REACH
Packaging	
22 connectors per tube	
77 tubes per carton	

Drawings

All dimension are provided in mm.



All dimensions in mm.

Tolerance (unless otherwise specified)	
X.	X.° ± 10°
X.X ± 0.38	X.X° ± 5°
X.XX ± 0.25	X.XX° ± 2°
X.XXX ± 0.13	X.XXX°

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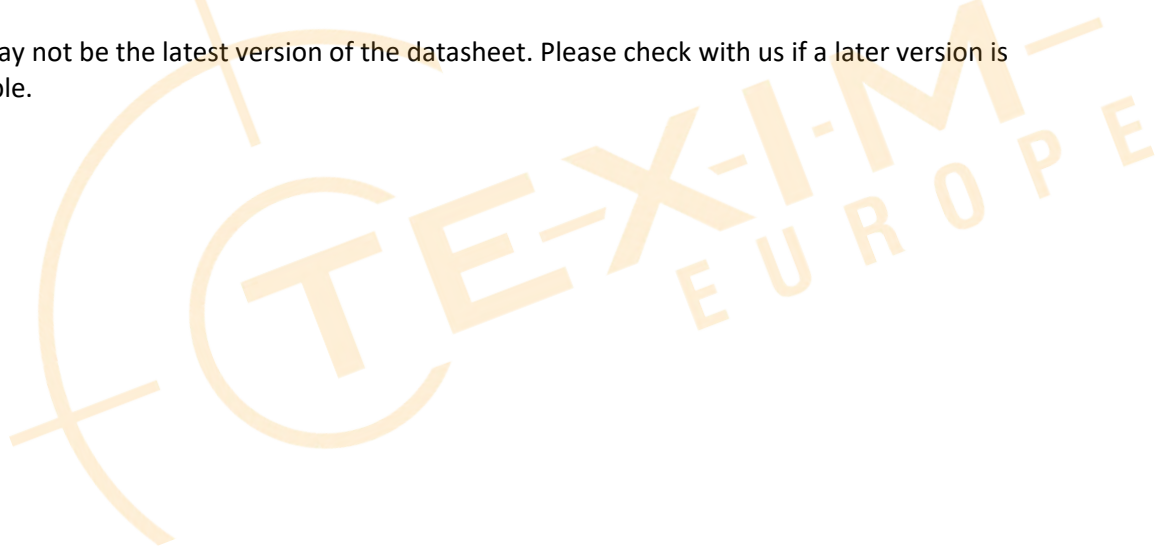
It is the customer's responsibility to validate that a particular product with the properties described in the product specification is suitable for use in a particular application.

Parameters provided in datasheets and / or specifications may vary in different applications and performance may vary over time.

All operating parameters, including typical parameters, must be validated for each customer application by the customer's technical experts.

Please contact us if you have any questions about the contents of the datasheet.

This may not be the latest version of the datasheet. Please check with us if a later version is available.





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