

PRODUCT DATA SHEET

RRC-MC21-90-20

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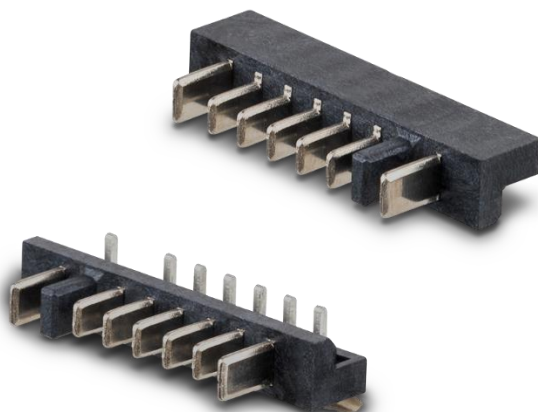
Battery Mating Connector

P/N: 211278

Distributed by:



www.texim-europe.com



Features:

- Mating connector for standard battery form factors RRC21xx
- 7.00A max. charge or discharge current to battery
- 7-pin male connector
- 2.5mm pitch
- RoHS and REACH compliant

Applications:

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

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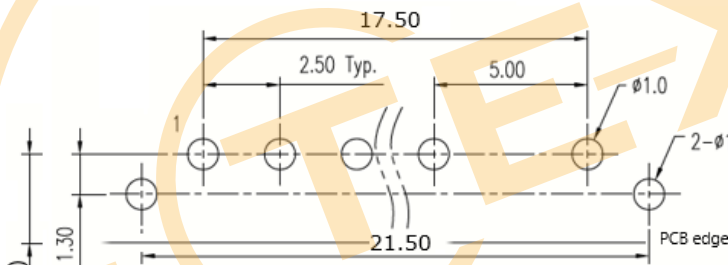
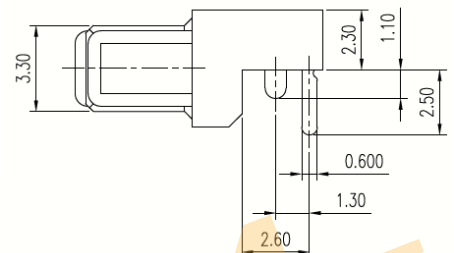
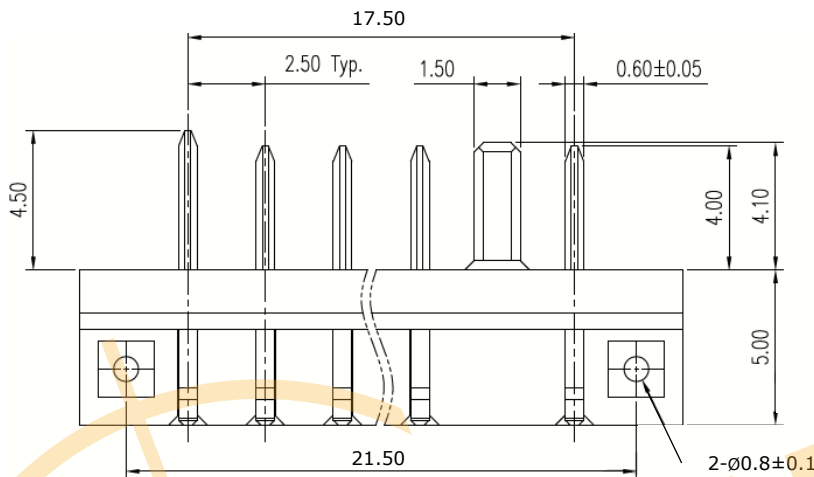
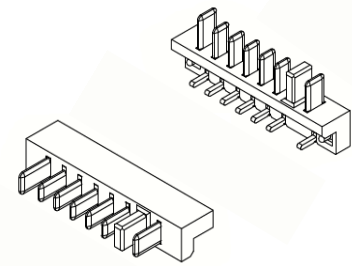
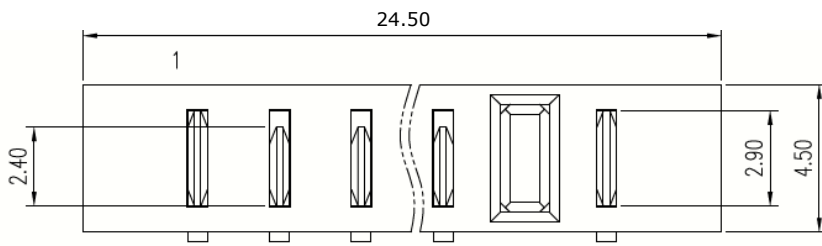
Specification

Ratings	
Current	7.00A max. / pin
Voltage	30.00VDC
Materials	
Housing	Thermoplastic High Temperature, UL 94 V-0, black
Contacts	Copper Alloy
Plating	50µin Nickel on contact area, 100µin Matte-Tin on solder tails
Environmental Condition	
Operating Temperature	-40°C to +105°C
Electrical Requirements	
Contact Resistance	40mOhm max.
Insulation Resistance	100MOhm min. at 500.00VDC / 1min
Dielectric withstand	500.00VAC / 1min
Mechanical Requirements	
Dimensions (LxWxH)	24.50mm x 9.50mm x 4.50mm
Weight	Typical 1g
PCB mounting	90° PCB edge mounting
Contact Retention Force	300g min. / pin
Physical Requirements	
Solder Temperature	260°C ± 5°C
Immersion Period	5sec (EIA-364-56C)
Regulatory Approvals	
Green Procurement	RoHS REACH
Packaging	
24 connectors per tube	
200 tubes per carton	

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Drawings



Recommended P.C.B. Layout
Layout Tolerance = ± 0.05mm

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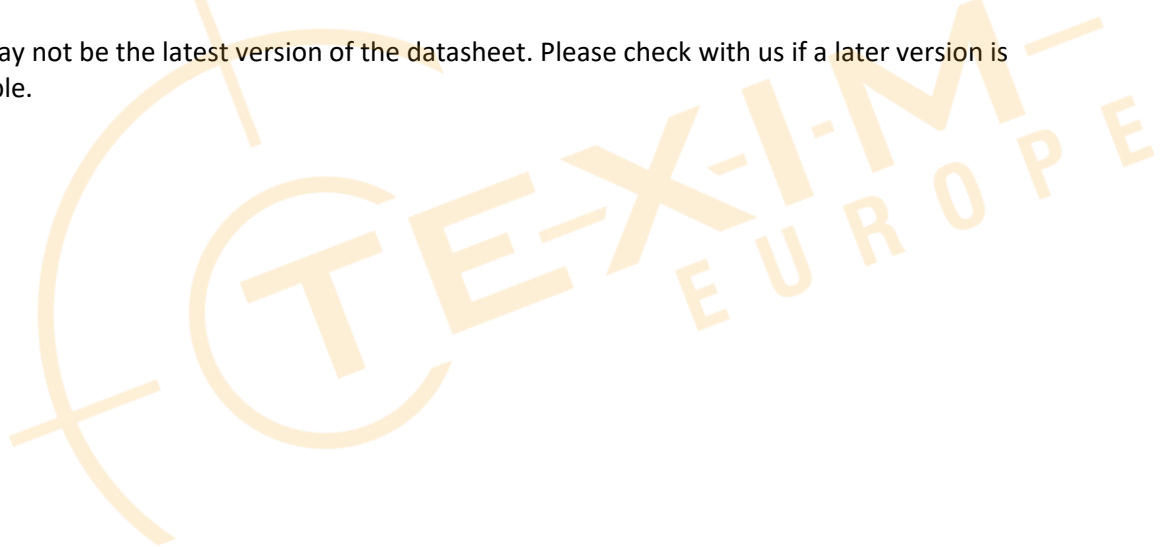
It is the customer's responsibility to validate that a particular product with the properties described in the product specification is suitable for use in a particular application.

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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