

### RRC-MC21-90-20

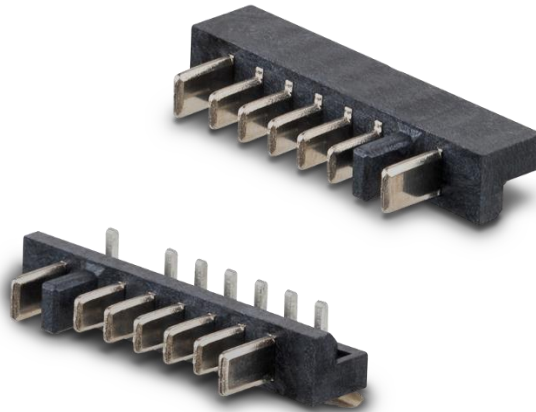
#### Battery Mating Connector

P/N: 211278

Distributed by:



[www.texim-europe.com](http://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

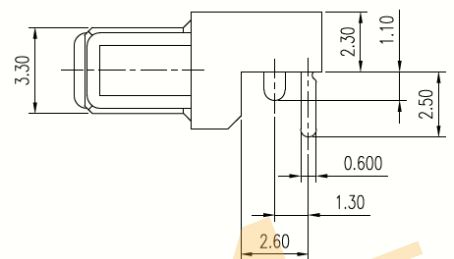
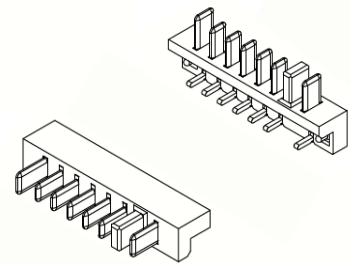
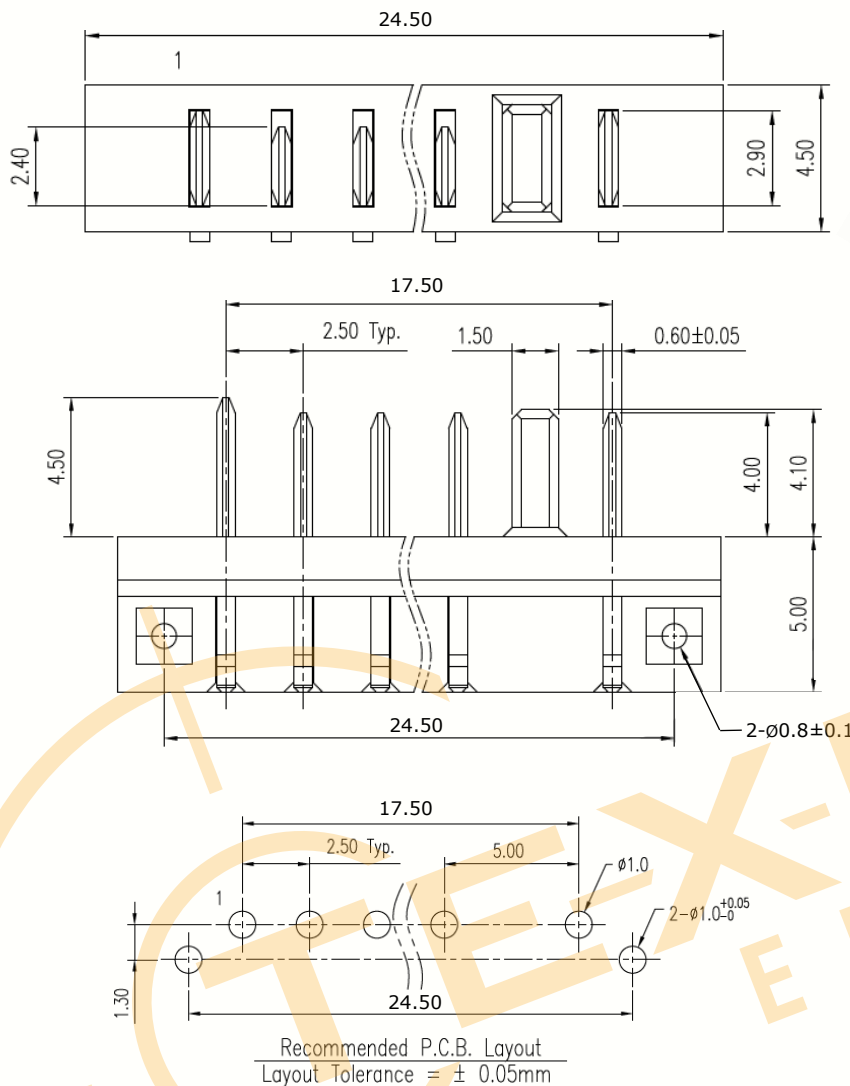
#### Applications:

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

## 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	

## Drawings



### Germany/Headquarters

RRC power solutions GmbH  
Technologiepark 1  
66424 Homburg / Saar

Tel.: +49 6841 98090  
Fax: +49 6841 9809280  
Email: sales@rrc-ps.de  
Web: www.rrc-ps.com

### USA

RRC power solutions Inc.  
18340 Yorba Linda Blvd.,  
# 107-437  
Yorba Linda, CA 92886

Tel.: +1 714 777 3604  
Fax: +1 714 777 3658  
Email: usa@rrc-ps.com  
Web: www.rrc-ps.com

### Hong Kong

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.cn

### China

RRC power solutions Ltd.  
Room 1306, C Building,  
Tianan International building,  
Renmin South Road, Luohu  
District, Shenzhen 518021

Tel.: +86 755 8374 1908  
Fax: +86 755 8374 1861  
Email: hkrrc@rrc-ps.cn  
Web: www.rrc-ps.cn

## **Disclaimer**

ALL PRODUCTS, PRODUCT SPECIFICATIONS AND DATA ARE SUBJECT TO CHANGE WITHOUT NOTICE TO IMPROVE RELIABILITY, FUNCTION OR DESIGN OR OTHERWISE.

Texim Europe B.V. its affiliates, agents, and employees, and all persons acting on its or their behalf (collectively, "Texim"), disclaim any and all liability for any errors, inaccuracies or incompleteness contained in any datasheet or in any other disclosure relating to any product.

Texim makes no warranty, representation or guarantee regarding the suitability of the products for any particular purpose or the continuing production of any product.

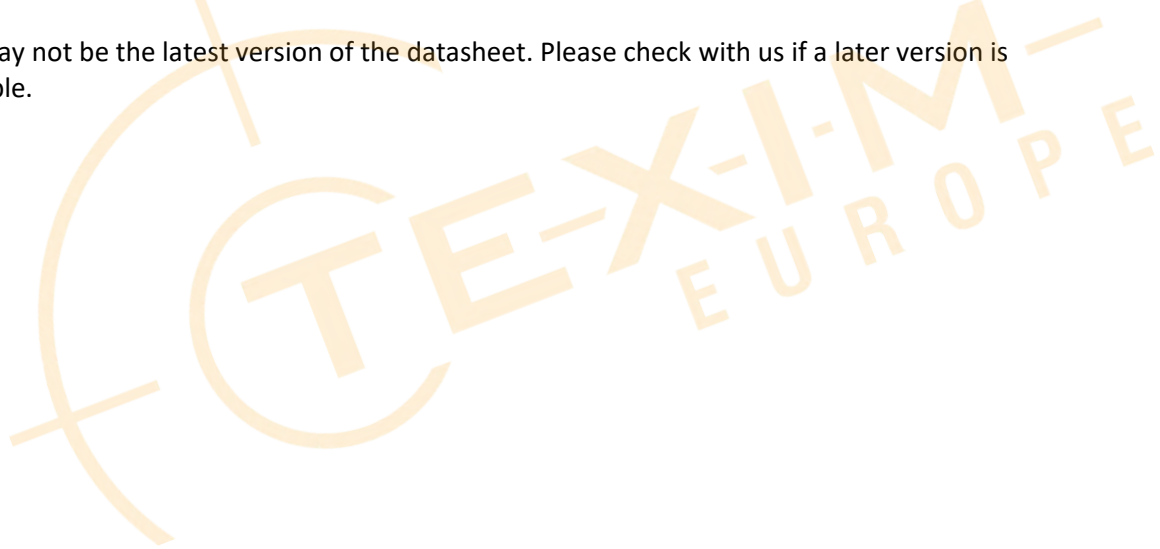
It is the customer's responsibility to validate that a particular product with the properties described in the product specification is suitable for use in a particular application.

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.





## Headquarters & Warehouse

Elektrostraat 17  
NL-7483 PG Haaksbergen  
The Netherlands

T: +31 (0)53 573 33 33  
E: [info@texim-europe.com](mailto:info@texim-europe.com)  
Homepage: [www.texim-europe.com](http://www.texim-europe.com)



### The Netherlands

Elektrostraat 17  
NL-7483 PG Haaksbergen

T: +31 (0)53 573 33 33  
E: [nl@texim-europe.com](mailto:nl@texim-europe.com)



### Belgium

Zuiderlaan 14, box 10  
B-1731 Zellik

T: +32 (0)2 462 01 00  
E: [belgium@texim-europe.com](mailto:belgium@texim-europe.com)



### UK & Ireland

St Mary's House, Church Lane  
Carlton Le Moorland  
Lincoln LN5 9HS

T: +44 (0)1522 789 555  
E: [uk@texim-europe.com](mailto:uk@texim-europe.com)



### Germany

Bahnhofstrasse 92  
D-25451 Quickborn

T: +49 (0)4106 627 07-0  
E: [germany@texim-europe.com](mailto:germany@texim-europe.com)



### Germany

Martin-Kollar-Strasse 9  
D-81829 München

T: +49 (0)89 436 086-0  
E: [muenchen@texim-europe.com](mailto:muenchen@texim-europe.com)



### Austria

Warwitzstrasse 9  
A-5020 Salzburg

T: +43 (0)662 216 026  
E: [austria@texim-europe.com](mailto:austria@texim-europe.com)



### Nordic

Stockholmsgade 45  
2100 Copenhagen

T: +45 88 20 26 30  
E: [nordic@texim-europe.com](mailto:nordic@texim-europe.com)



### Italy

Martin-Kollar-Strasse 9  
D-81829 München

T: +49 (0)89 436 086-0  
E: [italy@texim-europe.com](mailto:italy@texim-europe.com)