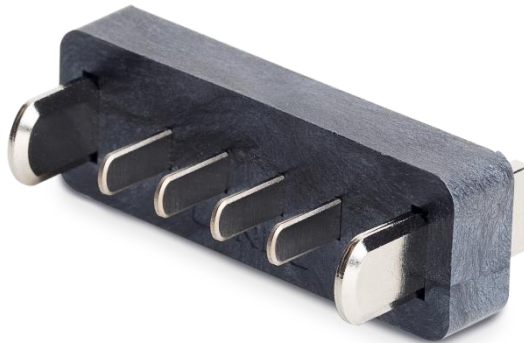# RRC-MC35-180-30

Battery Mating Connector
P/N: 211947

Picture only for reference

Features:

- Mating connector for standard battery form factors RRC35xx
- 30.00A max. charge or discharge current to battery
- 6-pin male connector
    - 4 signal pins: 5mm pitch
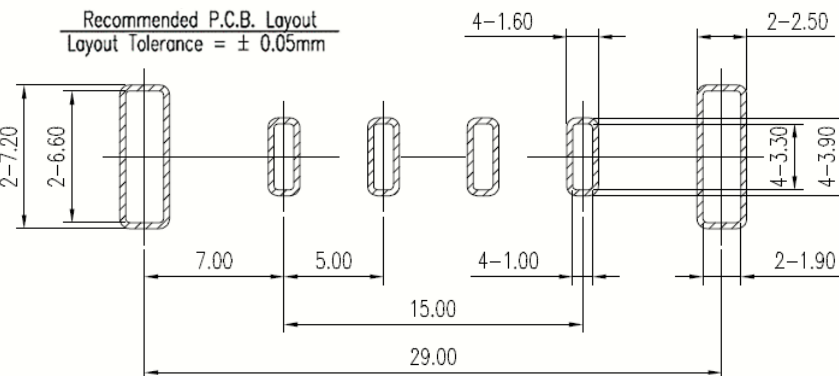   - 2 power pins: 7mm pitch
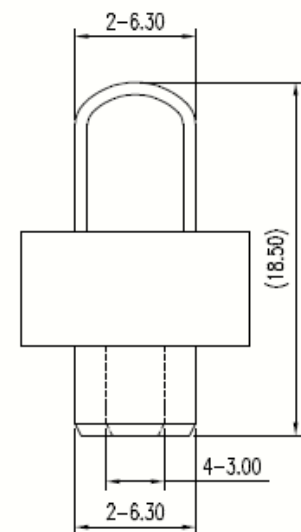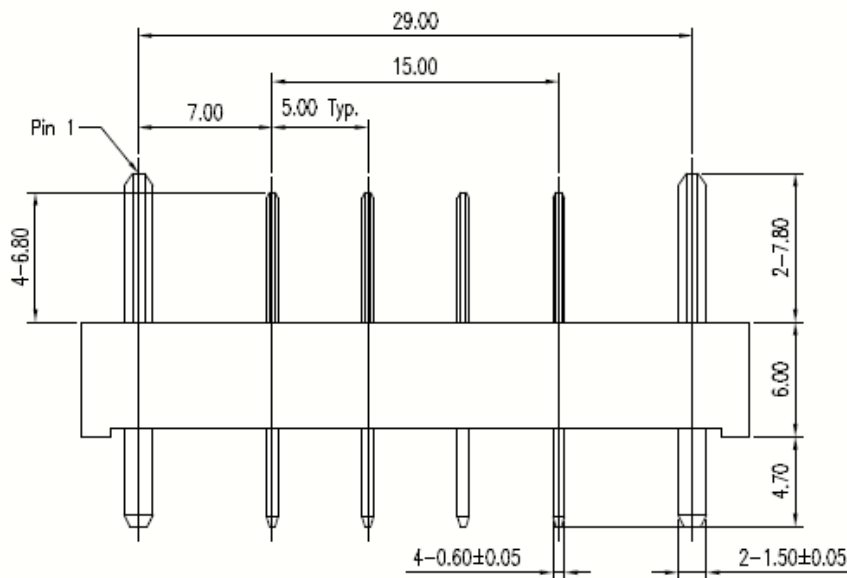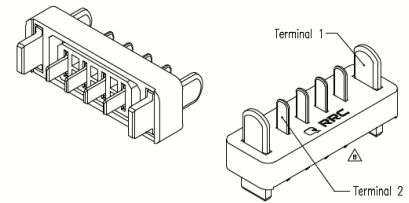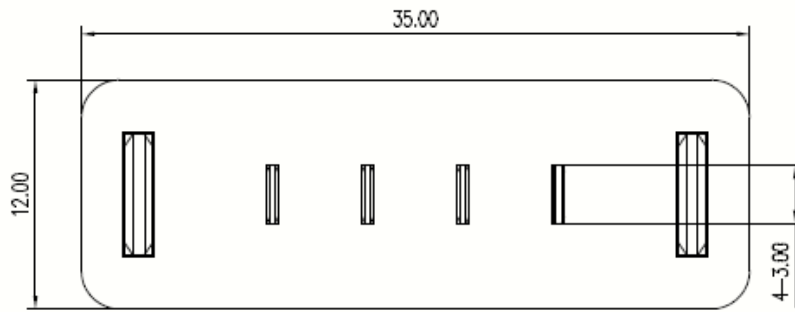- RoHS and REACH compliant

Applications:

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

Specification

Ratings	
Current	30.00A max. / power pin 1.00A max. / signal pin
Voltage	60.00V (power) 6.00V (signal)

Materials	
Housing	Thermoplastic High Temperature, UL 94 V-0 (LCP), black
Contacts	Copper Alloy
Plating	120µin Nickel overall, 50µin Nickel on contact area

Environmental Condition	
Operating Temperature	-40°C to +85°C

Electrical Requirements	
Contact Resistance	50mOhm max.
Insulation Resistance	1000MOhm min. at 500VDC / 1min
Dielectric withstand	500.00V / 1min

Mechanical Requirements	
Dimensions (LxWxH)	35mm x 12mm x 18.50mm
Weight	7g
PCB mounting	180°
Contact Retention Force	1500g min. / power pin 1000g min. / signal pin
Durability	5000 cycles

Physical Requirements	
Solder Temperature	260°C ± 5°C
Immersion Period	5sec

Regulatory Approvals	
Green Procurement	RoHS REACH

Packaging
17 connectors per tube
48 tubes per carton

Drawings

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°	

All dimensions in mm.

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