

Plastic 12-pin Plastic Shell Signal Connector



Introduction:

- ◆ Used for signal/low power transmissions in Electric Vehicles.
- ◆ Plastic shell; all parts GB/T 2408-2008 & RoHS Qualified.
- ◆ Punch structure adopted, low production cost for terminals.
- ◆ Reliable plastic shrapnel lock with secondary lock-in feature.
- ◆ Rated Current is 8A, cable ranges from 0.35mm² to 0.75 mm².
- ◆ Anti-misplug feature.
- ◆ IP68 rated in mated condition.

Specification:

Environmental:

- ◆ Working Temperature: -40℃ ~ +125℃;
- ◆ Humidity: 95% (40℃) ;
- ◆ Salt Spray Resistance: 480 小时 (5%NaCl) ;
- ◆ Sealing Rating: IP68;
- ◆ Flame Resistance Rating: UL94 V0;
- ◆ IPXXB Rated Plug;

Electrical:

- ◆ Rated Current:

Contact	Cable	Current	Outer Diameter (mm)
Φ1mm	0.35mm ²	3A	1.3±0.05
	0.5mm ²	5A	1.5±0.1
	0.75mm ²	8A	1.8±0.1

- ◆ Rated Voltage: 300V DC;
- ◆ Withstand Voltage: 1500V AC;
- ◆ Insulation Resistance: 1000V DC, 500MΩ (Damp Heat 100MΩ) ;

RS4-12 PIN SERIES

Mechanical:

- ◆ Mating cycle: >100 times;
- ◆ Vibration: 10-80Hz, amplitude 0.75;
81-500HZ, 20g;
500-2000HZ, 18g;

Material:

- ◆ Shell: Thermoplastic flame-retardant, PA66 G25;
- ◆ Contact: Copper alloy nickel plated;
- ◆ Sealing: Rubber or Elastomer;

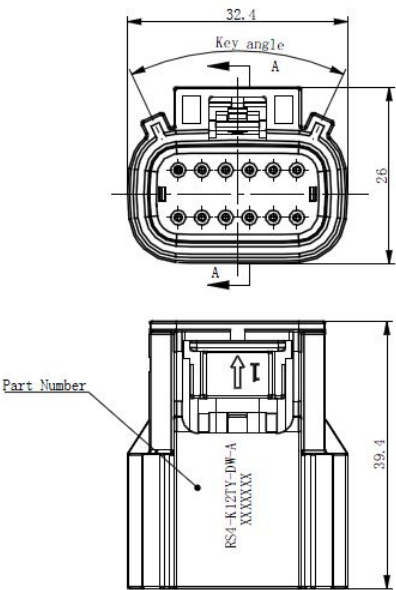
Product Number:

No.	Product Description	Model	Key Position	Serial Code	Remark
1	Plastic12-pin plug	3.653.601001R	D	RS4-K12TY-DW-A	D Key Gray(50°)
2	Plastic12-pin plug	3.653.601002R	A	RS4-K12TY-AH-A	A Key Black (120°)
3	Plastic12-pin plug	3.653.601003R	B	RS4-K12TY-BO-A	B Key Orange
4	Plastic12-pin plug	3.653.601004R	D	RS4-K12TY-DW-B	
5	Plastic12-pin plug	3.653.601005R	A	RS4-K12TY-AH-B	
6	Plastic12-pin plug	3.653.601006R	B	RS4-K12TY-BO-B	
7	Plug Stopper	8.070.601003R			
8	Plug Terminal	7.746.601001R			
9	Plastic 12-pin socket	3.663.601003R	D	RS4-J12ZY-DW-A	D Key Gray (50°)
10	Plastic 12-pin socket	3.663.601004R	A	RS4-J12ZY-AH-A	A Key Black (120°)
11	Plastic 12-pin socket	3.663.601005R	B	RS4-J12ZY-BO-A	B Key Orange
12	Plastic 12-pin socket	3.663.601006R	D	RS4-J12ZY-DW-B	
13	Plastic 12-pin socket	3.663.601007R	A	RS4-J12ZY-AH-B	
14	Plastic 12-pin socket	3.663.601008R	B	RS4-J12ZY-BO-B	
15	Socket Stopper	8.070.601001R			
16	Plastic 12-pin socket plug	7.744.601001.06R		Tinning	0.35mm ² -0.5mm ² Cable
17	Plastic 12-pin socket plug	7.744.601003.06R		Tinning	0.75mm ² Cable

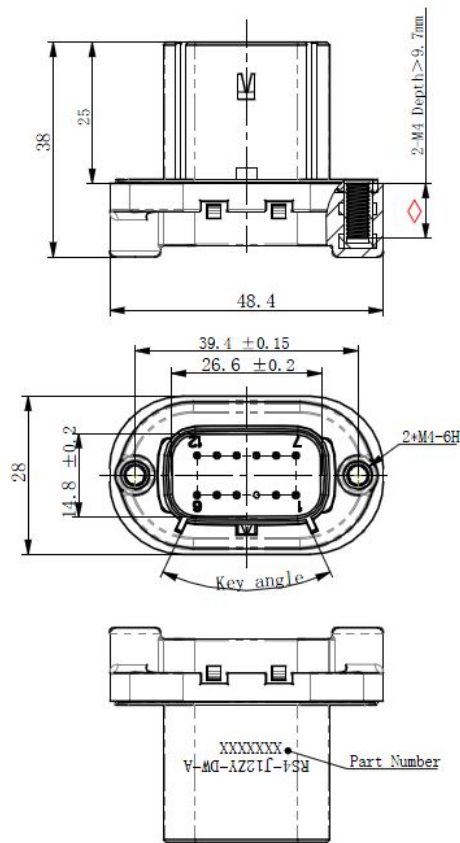
RS4-12PIN SERIES

Dimensions:

Plug:

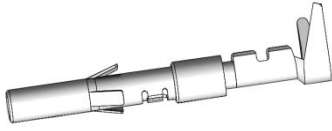


Socket:



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Female Terminal For Plug:



Male Terminal For Socket:

