

HVIL Plastic Shell Connector with Shield (REM II)



Material Model

No.	Product Description	Model No.	Keywords
1	2 POS Plug(REM II)	REM II -T2PAH-2.5-A-TW	Plug, 2 POS, Shield, Key position:A, HVIL, 2.5mm ²
2	2 POS Jack(REM II)	REM II -Z2PAH-2.5-A-TW	Flange Jack, 2 POS, Shield, Key position:A, HVIL, 2.5mm ²
3	3 POS Plug(REM II)	REM II -T3PAH-2.5-A-TW	Plug, 3 POS, Shield, Key position:A, HVIL, 2.5mm ²
4	3 POS Jack(REM II)	REM II -Z3PAH-2.5-A-TW	Flange Jack, 3 POS, Shield, Key position:A, HVIL, 2.5mm ²

Note:

1. There are many types of the REM II, please choose your proper type according to the following ordering Information. At the end of the extensive character are A.
2. You would better use non-shielded cable to cost down, if the flange Jack is assembled in the outside of the metal case.

Features/Application

- This series of connectors are mainly applied in electric vehicle, providing stable high voltage, small current transmission among systems.
- The outer shell is molded in engineering plastics with excellent flame-retardant and high temperature resistant ability, it also can meet the demand of the RoHS. Comparing to same sized metal connectors, it has lower cost and lighter weight.
- This series of connectors have locking catch structure and secondary locking system. The connector requires smaller installation space.
- Current rating range 16A~40A, supporting cable section from 2.5mm² to 6.0mm² to meet various electrical performance.
- Both plug and jack have electric shock protection function.
- Assembly manufacturing service as required.
- Excellent sealing performance, can meet IP67 when mated.
- This series of connectors can be interchanged with the original REM plugs.
- The feature of shield and HVIL (High Voltage Inter-lock) are optional.



Technical Specification

Electrical Property

Current rating: 16A(For2.5mm²cable);
 25A(For4mm²cable);
 40A(For6mm²cable);
 Voltage rating:700V DC
 Withstand voltage:3000V AC 1 min
 Insulation resistance: 3000MΩ
 Shielding:optional
 HVIL:optionnal
 Cable range:

cable range	Cable cover size
2.5mm ² non-shielded cable	Φ3.3mm ~ Φ4.1mm
4mm ² non-shielded cable	Φ4.0mm ~ Φ4.8mm
6mm ² non-shielded cable	Φ4.6mm ~ Φ5.4mm
2.5mm ² shielded cable	Φ5.3mm ~ Φ6.1mm
4mm ² shielded cable	Φ6.1mm ~ Φ6.9mm
6mm ² shielded cable	Φ6.1mm ~ Φ6.9mm

Mechanical Property

Mating cycle:>50 times
 Vibration: 10~80 Hz,amplitude 0.75
 81~500Hz,20g
 500~2000Hz,18g

Environmental Property

Working temperature: -40° ~+130°
 Relative humidity:≤95%(40°)
 Sealing: IP67 in mated condition
 Flame retardant: UL94 V-0

Material

Shell:thermoplastic flame-retardant
 Contact:copper alloy nickle plated
 Seal:rubber or elastomer

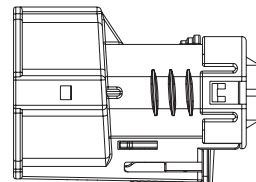
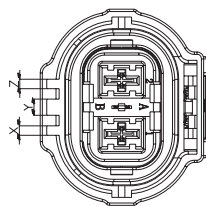
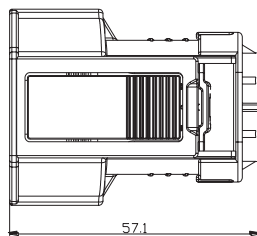
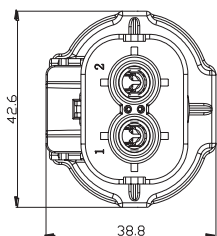
Ordering Information

REM II -T 2 P A H -2.5-A-TW

Extensive character
 Cable section(mm²) :2.5mm²,4mm²,6mm²
 H:HVIL(Non-HVIL unmarked)
 Key position:A,B,C
 P:shielding, (Non-shielding unmarked)
 Number of pins:2 Pos. 3Pos
 T:Plug; Z:Flange Jack
 Product Series

Size

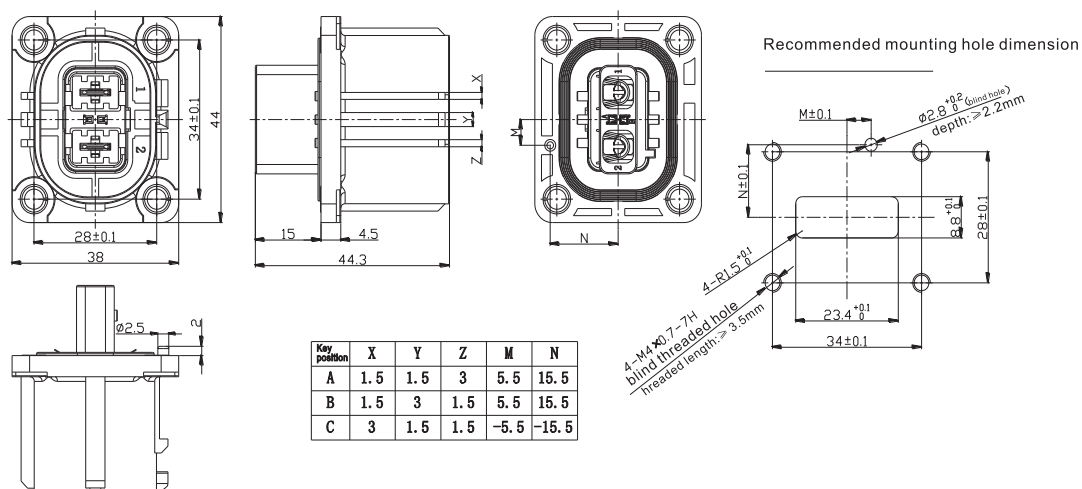
2 POS Plug



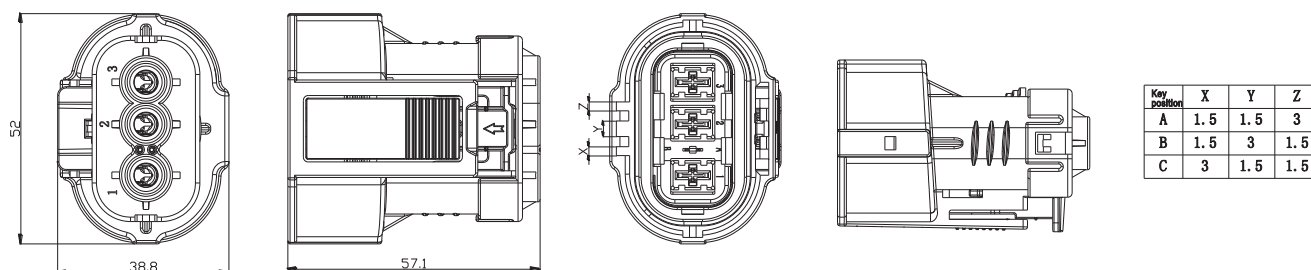
Key position	X	Y	Z
A	1.5	1.5	3
B	1.5	3	1.5
C	3	1.5	1.5



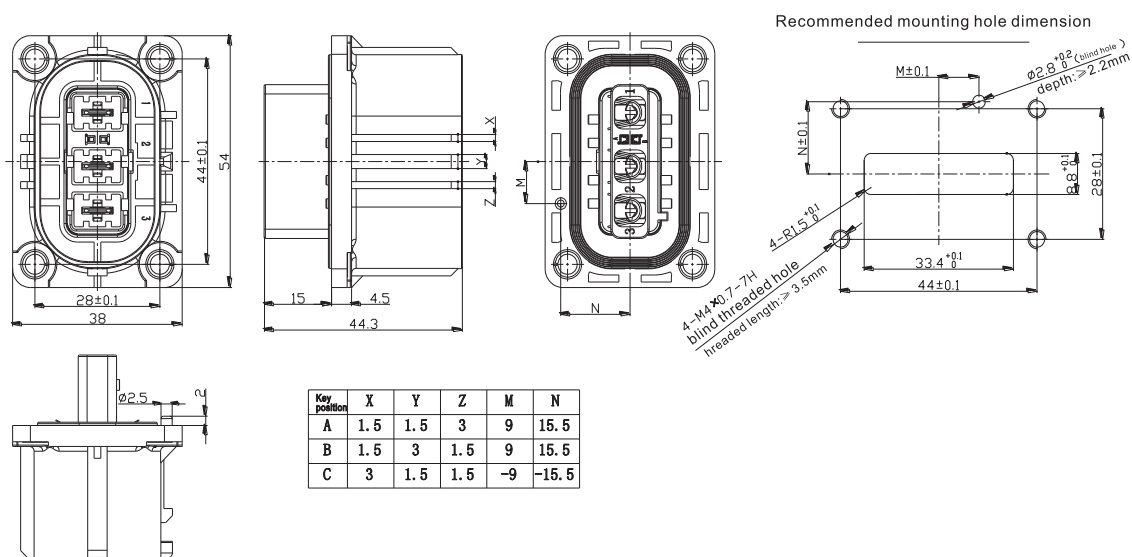
2 POS Flange Jack

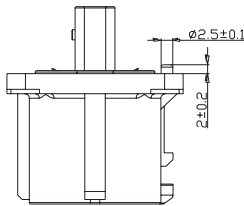
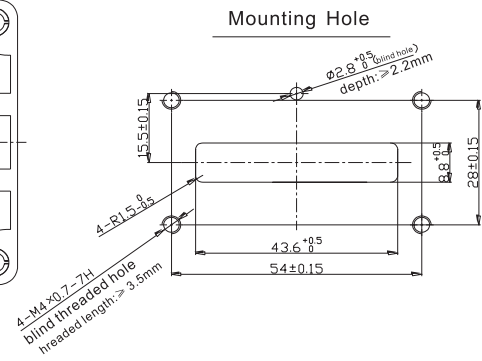
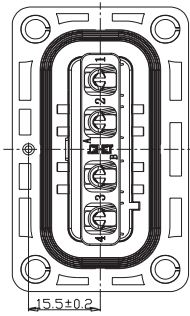
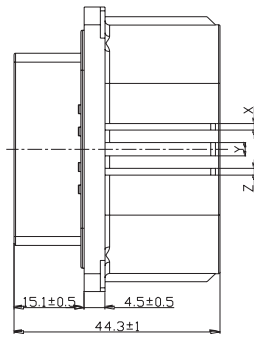


3 POS Plug

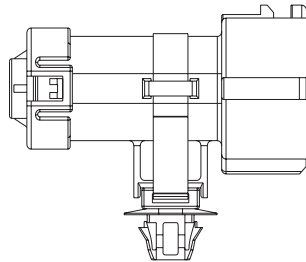
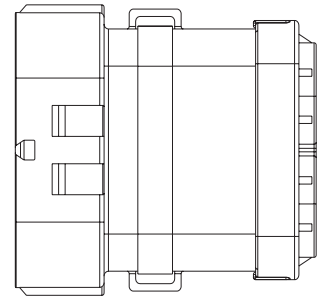
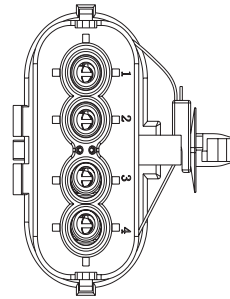
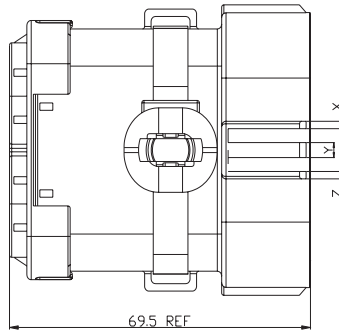


3 POS Flange Jack





Key position	X	Y	Z
A	1.5	1.5	3
B	1.5	3	1.5
C	3	1.5	1.5

[illegible]

Key position	X	Y	Z
A	1.5	1.5	3
B	1.5	3	1.5
C	3	1.5	1.5