



Features and Applications:

- Enhance the grounding of the Cinterion module to the PCB
- Simple production process:
 - SMT process to solder mounting pillars to the PCB
 - Self-locking screw solution for mounting the module on to the mounting pillars
- Flexible solution with easy access to remove the module

Specifications:

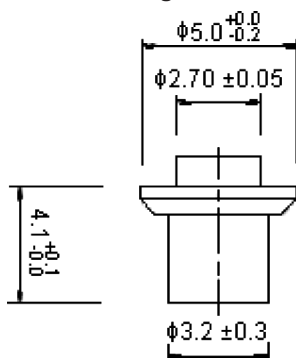
Mounting Pillar:

Bore Size	: 2.7mm
Fastener Plating	: Nickel
Overall Length	: 4.1mm
External Width	: 5
Stacked Height	: 4mm
Inner Raw Material	: Ms58 (C3602) Copper Alloy
First Plating Layer	: Copper Flash
Second Plating Layer	: Nickel Plating (1µm)
Third Plating Layer	: Gold Plating (0.8µm)

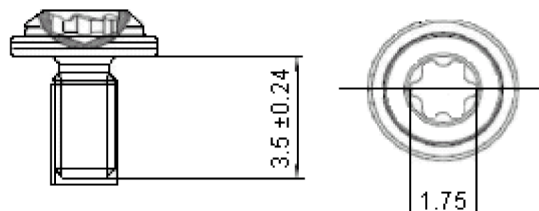
Self-locking Screw:

Accessory Type	: Stand Off Screw
Material	: Iron
Surface	: Black Colour (anti-oxidant treatment)
Screw Head	: Torx

Mounting Pillar

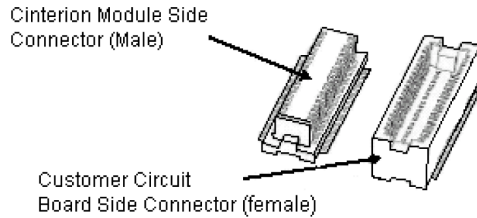


Self-locking Screw

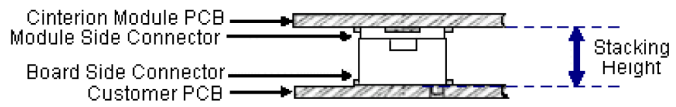


Dimensions : Millimetres

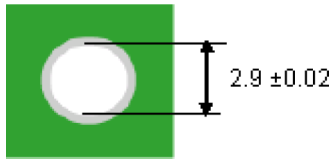
Stacking Height Definition:



When Both Connectors are Mated Together:

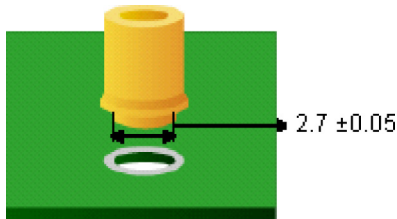


Mounting Instructions:

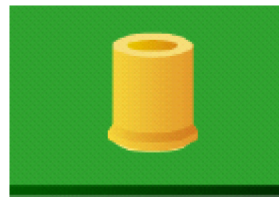


Plated PCB hole size to accommodate the solder mounting pillars : $2.9\text{mm} \pm 0.02\text{mm}$

Step 1 : SMT Process for Mounting Pillars



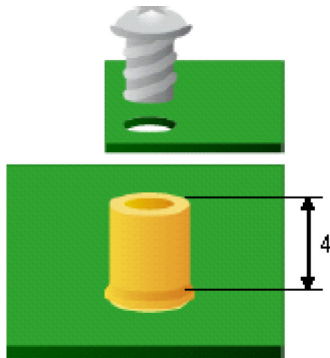
Solder Paste Applied to Pad on PCB



Solder the Mounting Pillar in Place Using Standard Surface Mount Techniques

Step 2 : Mounting the Module with Self-locking Screws

Dimensions : Millimetres



The torque values for tightening the screws are:
 Recommended torque for tightening : 1.5kgf.cm
 Maximum torque for tightening : 1.70 to 1.80kgf.cm

Part Number Table

Description	Part Number
Pillar for Cinterion Module, 4mm	R-14-0075-F
Hardware, PCB, Stand Off, Screw	R-14-0067-F

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