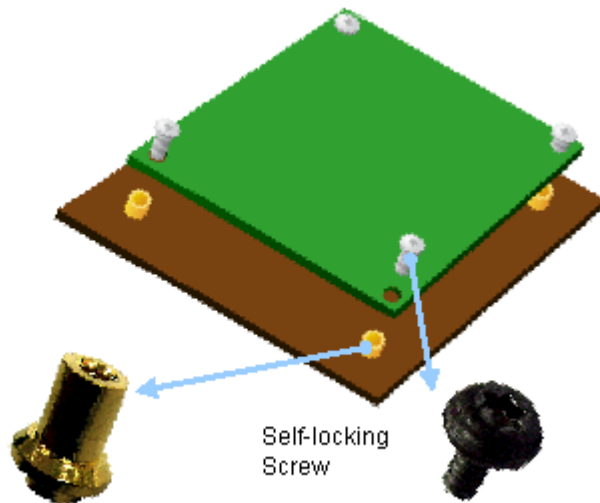


Features and Application:

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

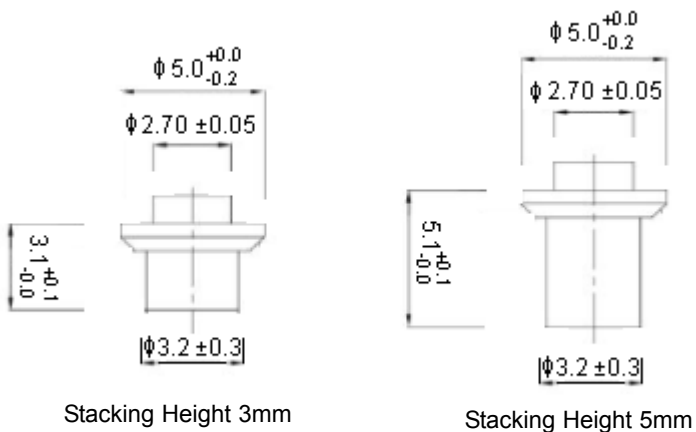
Mounting
Pillar



Self-locking
Screw

Mounting Pillar and Screw Specifications:

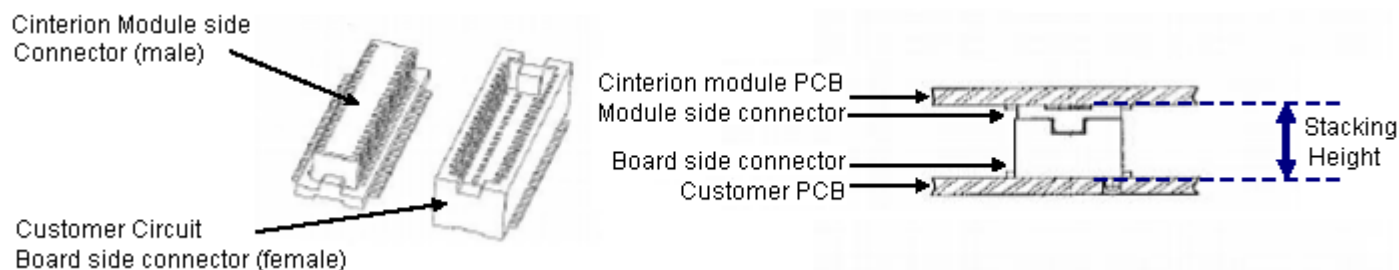
Inner raw material	: Ms58 (C3602) copper alloy.
First plating layer	: Copper flash.
Second plating layer	: Nickel plating (1.0μm).
Third plating layer	: Gold plating (0.8μm).
Weight	: 0.35g.



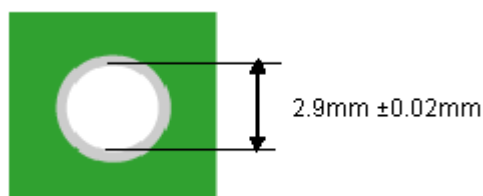
Dimensions: Millimetres

Stacking Height Definition

When both connectors are mated together:



Mounting Instructions

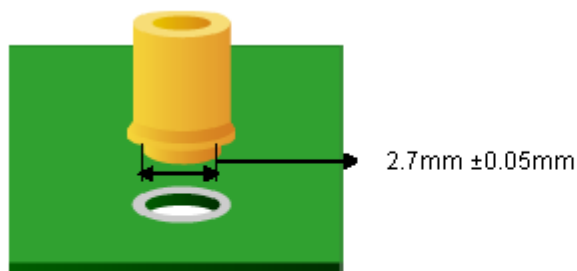


Plated PCB hole size to accommodate the solder mounting pillars
PCB footprint for hole locations

: 2.9mm $\pm$ 0.02mm.

: Please refer to the cinterion module datasheet.

Step1: SMT process for mounting pillars

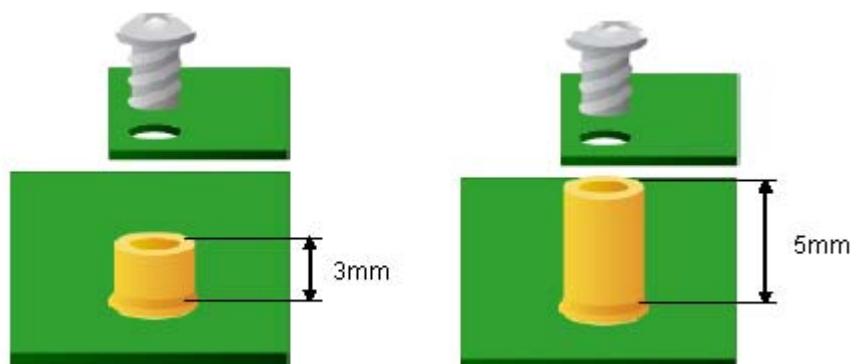


Solder paste applied to pad
on PCB



Solder the Mounting Pillar in place
using standard surface mount
Techniques

Step2: Mounting the module with self-locking screws



The torque values for tightening the screws are:

- Recommended torque for tightening :1.50kgf.cm.
- Maximum torque for tightening :1.70 to 1.80kgf.cm.

Part Number Table

Description	Part Number
Pillar for Cinterion Module, 3mm	R-14-0076
Pillar for Cinterion Module, 5mm	R-14-0077

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