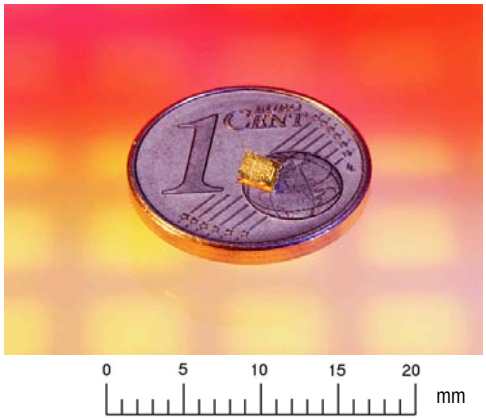
Traceability Pad

91658
Module ID

The Traceability pad functions as a printed circuit board (WIP) identifier in high volume electronic PCB manufacturing. Each pad contains a unique code number, supplied already laser etched onto its surface, in a 2D matrix format. The code number is easily read by commercially available optical scanners, such as Microscan EZ Quadrus (see www.microscan.com). In the course of the customer's PCB manufacturing process, the traceability pad is picked and placed alongside other components onto the application PCB and is solder reflowed. Each PCB thereby gains a unique identification allowing the traceability data of all other components contained on the populated PCB to be logged against the unique traceability code number. Further on in the manufacturing process, the PCB identifier can be incorporated into the identification of the final assembled device.

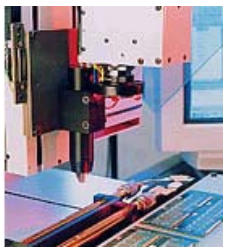


Features	*Benefits*
■ Nickel Silver material	■ Good contrast of laser etched code ■ Allows reflow onto application PCB
■ Unique code number for each Pad	■ Provides unambiguous identification ■ No investment needed to write code
■ 2D matrix code is open standard	■ No licence issues ■ Scanner readers are widely available and affordable
■ Tape & Reel Packaged	■ Allows automated pick and place on standard chip shooters ■ Can operate in high speed lines ■ Fully automated product traceability within the production process
■ Small dimensions	■ Uses minimal real estate ■ Can be used in the smallest of PCB applications

Markets and Applications

Application area is very broad, encompassing high volume PCB assembly. Suggested markets include:

- Telecommunication
  - Mobile phone handset
  - Handset accessories
- General Consumer
  - Digital camera, portable stereo, MP3 players,
  - TV, DVD, Video, Stereo
  - PC/accessories, printers, scanners
  - Car audio, mobile navigation and telematic devices
- Other Markets
  - Electronic Medical devices
  - Small hand held devices, PDA's, pocket data terminals



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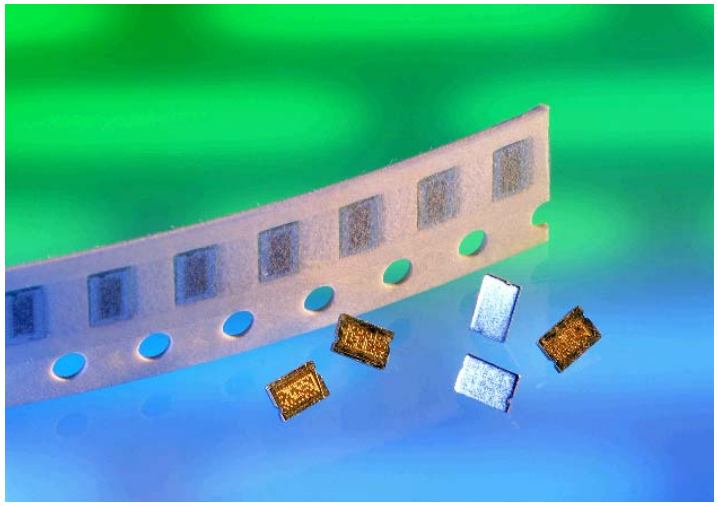
Reference Information

Product Specification:
PS-91658-010
Packaging: Tape & reel
Designed In: Millimetres

Mechanical

Cold Storage: 96hrs in -40°C
Dry Heat Storage: 96hrs in +85°C
Damp Heat, Thermal Shock, Gradual Reflow Test, Solderability Test Reflow, Salt Sprayand Mixed Gas: no change in the readability of the laser marking



Physical

Material: Nickel Silver
Dimensions: 2.8mm x 1.8mm
Thickness: 0.3mm
Operating Temperature: -40°C to +85°C

Molex Order No.	Description	Additional Details
91658-0020	Module ID Traceability Pad	Nickel Silver Pad with unique laser etched 2D matrix code
91658-xxxx	Module ID Traceability Pad	Sequential customer specific numbers will be allocated. (Contact Sales/Customer Service for further details)

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