



track-it™, Molex's miniature Traceability Pad provides low-cost, unique product identification in fully-automated, high-volume and high-temperature PCB assembly lines

The track-it™ Traceability Pad is a miniature identifier that provides unambiguous product traceability of work-in-progress (WIP) printed circuit boards (PCBs) in any high-volume electronics assembly process.

Well suited for use in the medical industry, where stringent traceability requirements apply, the track-it identifier chip is suitable for any surface mount PCB assembly process where space is limited and traceability is required, including high-temperature, up to 350°C, ceramic PCB assemblies.

In the course of the customer's PCB manufacturing process, the track-it traceability pad is picked-and-placed alongside other components and the PCB is solder reflowed. Each PCB thereby gains a unique identification. This provides traceability data not only for the PCB, but also for all other components contained on the populated PCB and for the final assembled device.

For customers with very high-volume requirements it is possible to produce custom part numbers with custom codes. For more information visit: www.molex.com/link/trackit.html

Features and Benefits

Each track-it™ pad etched with an 8-digit code number	Provides unambiguous identification for 100,000,000 unique combinations No investment needed to write code; reduced costs over traditional barcode tracking
2D matrix code is open standard	No licence issues Can be read by standard scanners, widely available and affordable
Manufactured from Nickel Silver material	Suitable for re-flow processing up to 350°C
Surface-mount in tape and reel packaging	Designed for automated pick-and-place on high-speed manufacturing lines
Compact dimensions: 2.80 by 1.80mm, thickness 0.30mm	Uses minimal PCB real estate

Applications

Any high-volume PCB assembly process:

Telecommunication

- Mobile phone handsets and accessories

Automotive and Commercial Vehicle

- Infotainment systems
- Satellite navigation equipment

Medical

- Electronic medical devices

Consumer

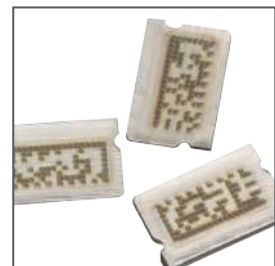
- Portable handheld devices
- Tablets
- Digital camera, MP3 players
- TV, DVD, Blu Ray, Set-top box, game consoles
- PC/Note books, accessories, printers, scanners
- Alarm systems

track-it™ Traceability Pad

91658 Traceability Pad



track-it™ Traceability Pad



track-it™ Traceability Pad



Patient Monitoring



GPS



Car Remote

Specifications

REFERENCE INFORMATION

Product Specification: PS-91658-010

Packaging:

91658-0020 Paper tape and reel

91658-0050 Plastic tape and reel

UL File No.: No

CSA File No.: No

Designed In: Millimeters

RoHS: Yes

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 Spray and Mixed Gas:

No change in the readability of the laser marking

PHYSICAL

91658-0020 (for 260°C reflow)

Material: Nickel Silver

Dimensions: 2.80mm x 1.80mm

Thickness: 0.30mm

Operating Temperature:

-40 to +260°C

91658-0050 (for 350°C reflow)

Material: Nickel Silver

with special processing

Dimensions: 2.80mm x 1.80mm

Thickness: 0.30mm

Operating Temperature:

-40 to +350°C



PDA

Ordering Information

Order No.	Plating	Operating Temperature	Packaging	Additional Information	Reel size	Minimum Order Quantity (pcs)
91658-0020	Nickel Silver	-40 to +260°C	Paper tape and reel	Unique laser etched 2D matrix code:*00000001 to *99999999	8,000	80,000
91658-0050	Nickel Silver with special processing	-40 to + 350°C	Plastic tape and reel			