



Product / Process Change Notification (PCN)

- ☒ Major change
☐ Minor change

PCN #: PCN_IndPD2A_20240312

Affected Series: WE-PD2A-4532; WE-PD2A-5848

PCN Date: October 12, 2023

Effective Date: March 12, 2024

Change Category:

- ☐ Equipment / Location
☒ General Data
☒ Material
☒ Process
☐ Product Design
☐ Shipping / Packaging
☐ Supplier
☐ Software

Contact: Product Management

Phone: +49 (0) 7942 - 945 5001

Fax: +49 (0) 7942 - 945 5179

E-Mail: pcn.eisos@we-online.com

Data Sheet Change:

- ☒ Yes ☐ No

Attachment:

- ☒ Yes ☐ No

Description and purpose of change:

To increase the production capability, Würth Elektronik will change the wire of the WE-PD2A, the soldering process of the line, and a TMP machine will be added.

All products with date code 2023-11-27 or later, will be affected by this change.

Detail of Change:

The wire of the part will be changed from P155G2 to P180G1. Due to this higher wire temperature class, the operating temperature range of the part will be upgraded to -50 °C to +150 °C.

The line process will also be updated as shown in the tables below.

Before change

P/N	Wire Grade	Temperature range	Marking	Prod. Process	Reel Packing
784773xxx	P155 G2	-40 °C to 125 °C	Ink	Manual Line	Inner layer with pearl wool
784774xxx					

After change

P/N	Wire Grade	Temperature range	Marking	Prod. Process	Reel Packing
784773xxx	P180 G1	-50 °C to 150 °C	Laser	Auto Winding + Auto Soldering + AOI + TMP	Inner layer without pearl wool
784774xxx					



Reliability / Qualification Summary:

Product approval is according to the specification criteria and is internally released by the Product Management Department.

The following items are part of the internal release process:

- Visual Appearance
- Mechanical Dimensions (according as specified in the Data Sheet)
- Approval of production line
- High Temperature Exposure (MIL-STD-202-108)
- Operational Life (MIL-PRF-27)
- Vibration (MIL-STD-202-204)
- Resistance to Soldering Heat (J-STD-020)
- Solderability (IPC-A-610)