



Product Change Notification

Current Date: 22-Feb-2024

TE Connectivity

Product Change Notification: PCN-24-198424

PCN Date: 21-FEB-24

Customer: Avnet EMG (429291)

Location: North Reading

Agreement: Agreement Unknown

TE would like to inform you of the following change(s) to the listed TE Connectivity Product. In case of any further questions about this change(s), please contact your TE Connectivity Sales Engineer. Affected part, drawing and/or specification numbers are listed on the attached sheet(s).

Product Description: (Text limited to 120 characters)
 Contacts for MicroBridge and MaxiBridge male connectors

General Description of Changes
 Valued customer, with this product change notification, we want to inform you, that for our connectors listed below under part numbers we will expand the supply chain of the plated contacts by insourcing this manufacturing process into our new inhouse plating facility in Adelberg in addition to our current plating suppliers. The internal serial production shall start in April 2024. Affected Article Numbers and effective date you can find in the table below. The insourcing will be operated without part number change, will increase reliability of supply chain, and has no impact on form, fit or function of these products. Internal product and process approval process will be performed according to the VDA Matrix for product releases. The respective testing will be performed from the new production location and for customer requiring PPAP a PPAP level 1 with extended documentation on t plating capability maybe requested. We will deliver a updated PPAP before shipment of contacts plated in Adelberg. Background and motivation: With the acquisition of ERNI in September 2021, TE Connectivity decided to invest into a new 3.600 m2 building and plating lines on the properties of the ERNI plant in Adelberg, Germany. The facility expansion enables ERNI to enhance technical capabilities and increase the flexibility and reliability of the supply chain: - Improvement of innovation and optimization capability through proximity to product & process development - Increased capacity & flexibility as well as shortening of lead times through significantly reduced transport routes and the ability to react faster & consistently to changes in the supply chain - Direct influence on product quality and short control loops in close cooperation with quality, stamping and final assembly department on site. Further Details you can take from attached Presentation.
Other attachments:
[Adelberg internal plating](#)

Reason for Changes:
 Manufacturing location change, new plating facility in Adelberg

PCN Attributes:	
Product Category:	Kind of Change:
Fabricated Metal Part	Location Change
Change Feature:	Potential Customer Impact:
No Feature Change	Additional Location
Remarks:	

Estimated Dates:	
Last Order Date (Obsolete Parts Only):	First Ship Date of Changed Items (Changed Parts Only):
	30-APR-2024
Last Ship Date of Changed Items (Obsolete Parts Only):	Last Date for Mixed Shipments: (Changed Parts Only):
	No Mixed Shipments
Effectivity Date:	Date of First Samples:

Part Number(s) being Modified:

Part Number	Part Discontinued per PCN	Customer Drawing	Customer Part Number	Alias Part Number(s)	Substitute Part Number	Substitute Alias Part Number(s)	Description Of Difference
234832-E	NO						
294645-E	NO						
294649-E	NO						



Relocation Plating Process from Supplier to Second source Internal Production

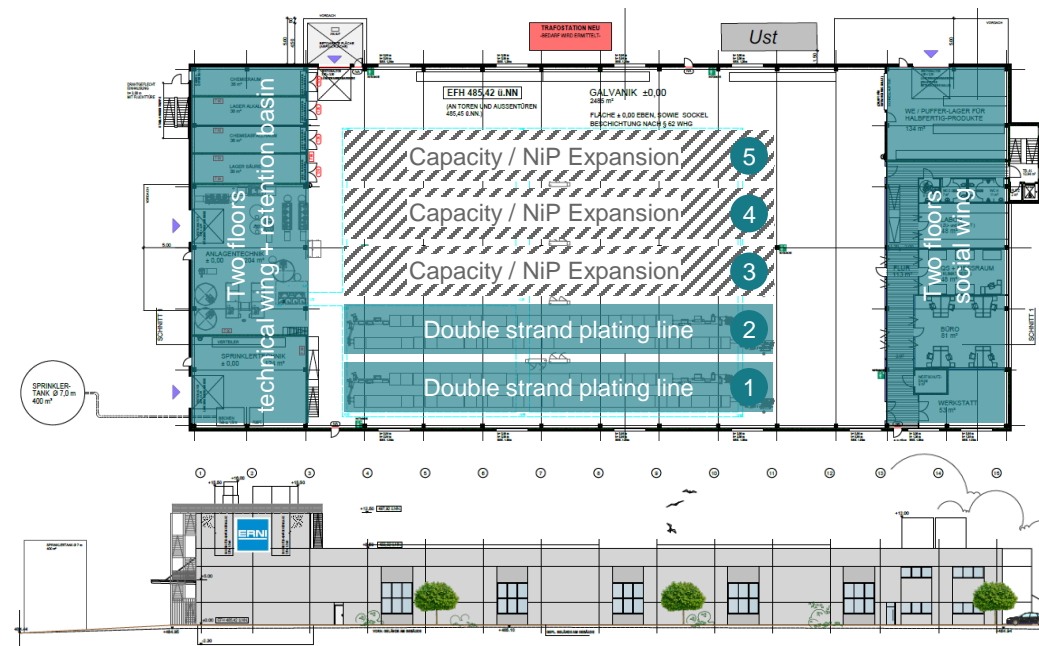
New Plating Shop TE-Adelberg

EVERY CONNECTION COUNTS



Plating shop design

The plating shop is built on a free area in the Adelberg plant and has space for up to five double strand plating lines, of which the first two are part of the project.

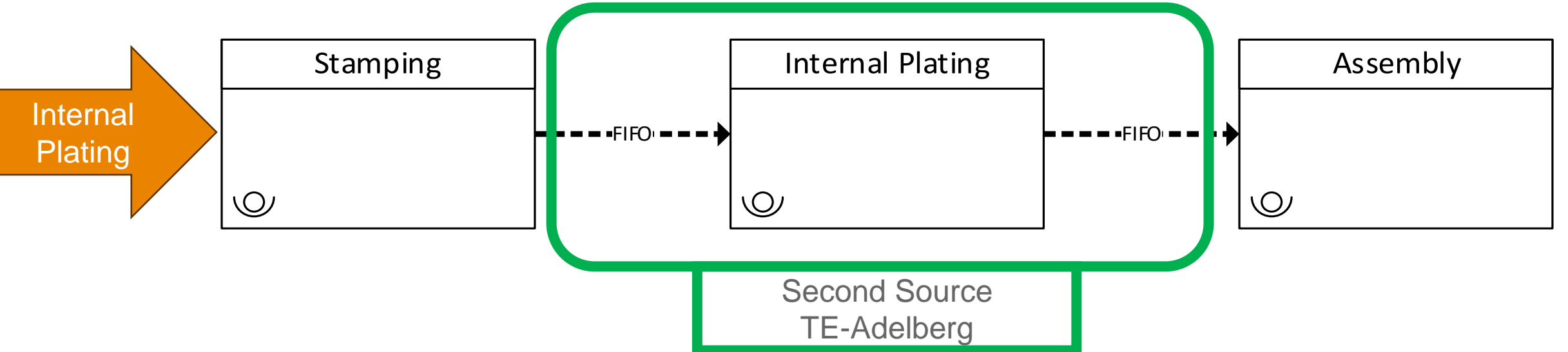
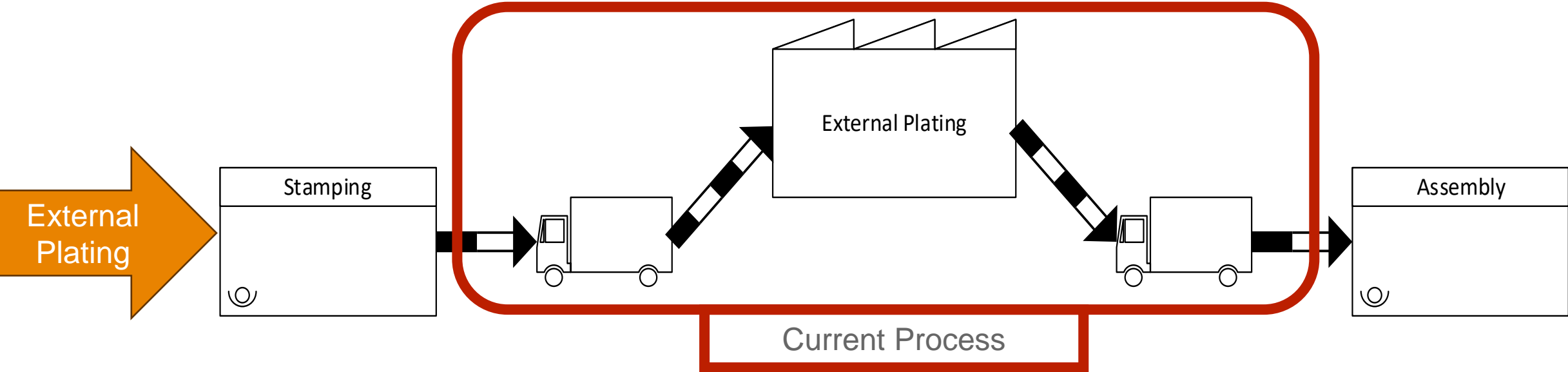


Comment

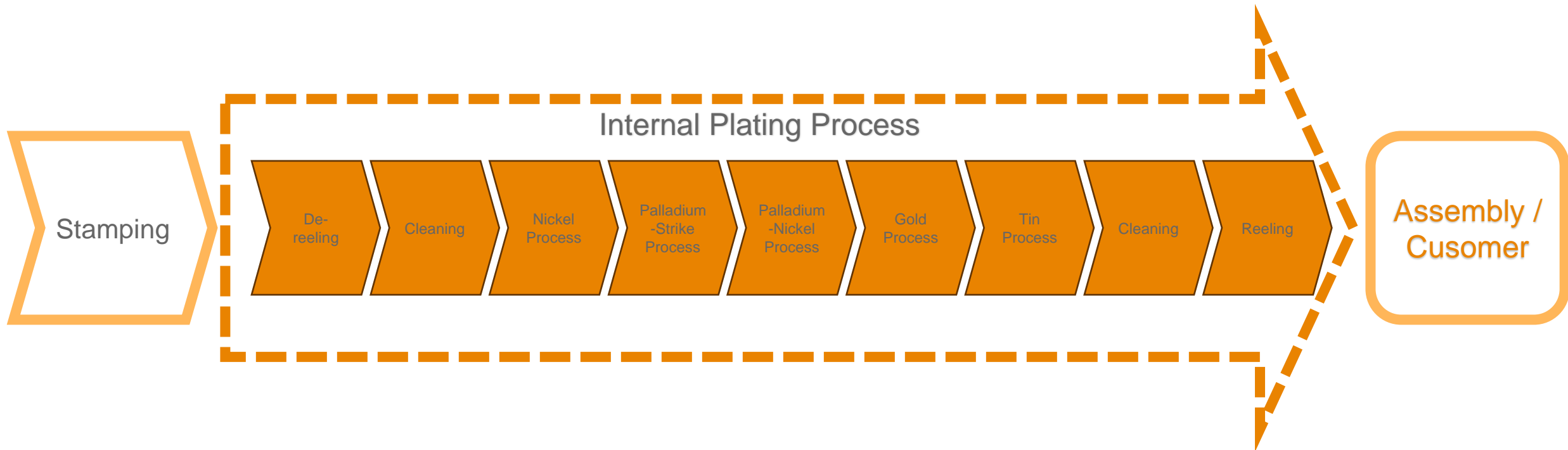


- Building of ~3'600 sqm (90x40m) with sprinkler room, water treatment area, chemical storage rooms, technic room, plating area, in-/outbound area, quality and chemical laboratory, offices, changing-/locker-/restrooms, meeting room, vault, tool shop, fire retention basin
- The design matches TE plating shop requirements and has been designed together with CoE plating (e.g. TE standards for air changeover rates, fire protection, etc.)

Process Change

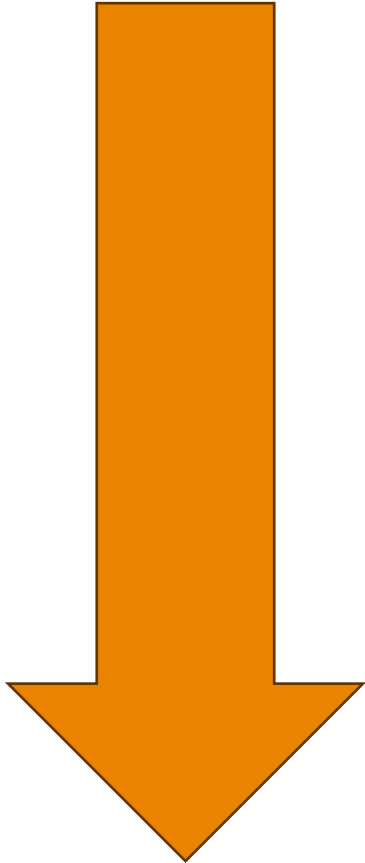


TE-Adelberg Line Process



- No Product change, same Product Specifications
- No Layer or thickness changes

Internal Process- and Product release



- Capability investigations
- Layer Thickness Measurements
- Optical Investigations, SEM Analysis
- Dimensional Inspections
- Adhesion Tests
- Internal Process release Plating Line
- Internal Process release End-assembly
- Insertion Force Measurements Pressfit Pins
- Connector Lab testes according to VDA and LV 214 (per Product family)
- Internal Product Release
- PPAP documentation available on request

Risk Assessment

- Loss of production of connectors in final assembly because parts supply is not guaranteed
 - Plating shop TE-Adelberg is the second source to reduce the current risk of one supplier
 - Faster supply chain

- Plating layers differ from the supplier
 - FIB-cut with supplier parts and internally used chemistry
 - Plating thickness measurement with XRF

- Deformation of components due to different plating line and other mechanical components
 - Test assemblies in final production and corresponding tests of the connector
 - Measurement of parts before and after plating

**ANY
CONNECTION
CAN CHANGE
THE WORLD**

EVERY CONNECTION COUNTS

