Product Change Notification

Current Date: 18-Jul-2018

TE Connectivity

Product Change Notification: P-18-016094 **PCN Date:** 16-JUL-18

Customer: TTI Inc(0000139702) **Location:** WORLDWIDE **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).

General Product Description:
Connectors One Roof - Stage 1

Description of Changes
Dear Customer, We are proud to announce that TE Connectivity, Automotive Business Unit is in the process of a Consolidation Project in the Empalme location, the objective is to consolidate Plant 1 (Molding & Mechatronics) and Plant 4 (Assembly) into a single building, in the same industrial park. As part of our ongoing activities to provide our customers the highest quality products, this will drive to a Vertical Integration, Safety Systems improvements, Warehouse optimization, and excellent customer experience. The building is being prepare to start moving in September 2018 through December 2018. **Other attachments:** Consolidation Empalme Presentation

Reason for Changes:
Dear Customer, we hereby inform you about a transfer of tools and/or processes. The transfer follows a strict procedure, which fully maintains quality, ability to supply and form-fit-function of the concerned products. The new manufacturing location operates under a certified quality management system in accordance with standard automotive requirements. A TE-internal release test based on the relevant part specifications will be executed before delivery. Upon request, a PPAP Level 2 will be available if it concerns

a transfer of a tool which produces a finished TE-product. A PPAP Level 1 will be available if it concerns a component of a TE-product, where the production location of the finished TE-product remains unchanged. If you require such a PPAP, please notify the responsible TE Sales Contact within 14 calendar days after receipt of this PCN

Estimated Dates:	
Last Order Date (Obsolete Parts Only):	**First Date To Ship** (Changed Parts Only):
	30-NOV-2018
Last Ship Date (Obsolete Parts Only):	**Last Date for Mixed Shipments:** (Changed Parts Only):
	No Mixed Shipments

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
1-1456426-1	NO						
1-1456426-5	NO						
1-1924067-2	NO						
1326110-1	NO						
1326226-1	NO						
1326964-1	NO						
1411001-1	NO			"V23542-G1508-A115"			
1438031-1	NO			"V23542-G1516-A101"			
1438156-3	NO						
1438454-1	NO						
1438761-6	NO						
1456016-4	NO			"130025602406"			
1456315-1	NO						
1456315-2	NO						
1456315-6	NO						
1456867-3	NO						
1456987-3	NO						
1456987-4	NO						

1456989-3	NO						
179679-6	NO						
179680-5	NO						
184000-1	NO						
184002-1	NO						
184004-1	NO						
184006-1	NO						
184006-2	NO						
184008-1	NO						
184016-1	NO						
184020-1	NO						
184022-1	NO						
184032-1	NO						
184046-1	NO			"EM3604-000", "AMP-0-0184046-1"			
184060-1	NO						
184115-1	NO						
184292-1	NO						
184311-1	NO						
184340-1	NO						
184349-1	NO						
184392-1	NO						
184392-2	NO						
184393-2	NO						
184397-1	NO						
184399-1	NO						
184400-1	NO						
184401-1	NO						
1924292-5	NO						

1924337-1	NO						
1924484-1	NO						
1924900-1	NO						
1924939-1	NO						
1924943-1	NO						
2098557-4	NO						
2098627-2	NO						
2138314-1	NO						
2203111-2	NO						
2272431-3	NO						
2289050-2	NO						
3-2098269-8	NO						
4-1437287-5	NO			"130025602401"			
4-1437287-6	NO			"130025602402"			
4-1437287-7	NO			"130025603205"			
4-1456426-2	NO						
5-1419168-8	NO			"V23542-G1516-D101"			
6-1419167-1	NO			"V23542-G1416-A107"			
638157-1	NO						
638207-6	NO						
638393-1	NO						
638394-1	NO						
638394-4	NO						
638444-9	NO						
638514-1	NO						
638517-5	NO						
776932-1	NO						
9-1326729-8	NO						
9-1419166-0	NO			"V23542-G1408-A101"			

917989-1	NO			"0-0917989-1"			
917989-6	NO						
917992-1	NO						

Customer: TTI (MC) (2922321) **Location:** Pointe-Claire **Agreement Number:** Agreement Unknown

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
1411001-1	NO			"V23542-G1508-A115"			

Customer: TTI Electronics Asia Pte Ltd. (1407161) **Location:** Kowloon Bay **Agreement Number:** Agreement Unknown

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
1326964-1	NO						
3-2098269-8	NO						

Customer: TTI Inc (1281288) **Location:** Fort Worth **Agreement Number:** TTI002

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
1-1456426-1	NO						
1-1456426-5	NO						
1-1924067-2	NO						
1326110-1	NO						
1411001-1	NO			"V23542-G1508-A115"			
1438031-1	NO			"V23542-G1516-A101"			
1438454-1	NO						
1438761-6	NO						
1456016-4	NO			"130025602406"			
1456315-1	NO						
1456315-2	NO						
1456315-6	NO						
1456987-4	NO						
179679-6	NO						
179680-5	NO						
184000-1	NO						
184002-1	NO						
184004-1	NO						
184006-1	NO						
184006-2	NO						
184008-1	NO						
184016-1	NO						
184020-1	NO						

184032-1	NO						
184046-1	NO			"EM3604-000", "AMP-0-0184046-1"			
184060-1	NO						
184115-1	NO						
184292-1	NO						
184311-1	NO						
184340-1	NO						
184349-1	NO						
184392-1	NO						
184392-2	NO						
184393-2	NO						
184397-1	NO						
184399-1	NO						
184400-1	NO						
184401-1	NO						
1924292-5	NO						
1924337-1	NO						
1924484-1	NO						
1924900-1	NO						
1924939-1	NO						
1924943-1	NO						
2098557-4	NO						
2098627-2	NO						
2138314-1	NO						
2203111-2	NO						
2289050-2	NO						
4-1437287-5	NO			"130025602401"			

4-1437287-6	NO			"130025602402"			
4-1437287-7	NO			"130025603205"			
6-1419167-1	NO			"V23542-G1416-A107"			
638207-6	NO						
638393-1	NO						
638394-1	NO						
638394-4	NO						
638444-9	NO						
638514-1	NO						
638517-5	NO						
776932-1	NO						
9-1326729-8	NO						

Customer: TTI Electronics Asia Pte Ltd (3063486) **Location:** Taipei **Agreement Number:** Agreement Unknown

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
1924337-1	NO						

Customer: TTI Inc. (1305175) **Location:** Maisach-gernlinden **Agreement Number:** TTI001

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
1-1456426-1	NO		TYC1-1456426-1				
1-1456426-5	NO		TYC1-1456426-5				
1326226-1	NO						
1411001-1	NO		TYC1411001-1	"V23542-G1508-A115"			
1438031-1	NO		TYC1438031-1	"V23542-G1516-A101"			
1438156-3	NO		TYC1438156-3				
1438454-1	NO		TYC1438454-1				
1456987-3	NO						
1456989-3	NO						
184002-1	NO		TYC184002-1				
184004-1	NO		TYC184004-1				
184022-1	NO						
184046-1	NO		TYC184046-1	"EM3604-000", "AMP-0-0184046-1"			
184060-1	NO		TYC184060-1				
184392-1	NO		TYC184392-1				
2272431-3	NO						
4-1437287-5	NO			"130025602401"			
4-1437287-6	NO			"130025602402"			
5-1419168-8	NO			"V23542-G1516-D101"			

638157-1	NO		TYC638157-1				
638517-5	NO						
776932-1	NO		TYC776932-1				
9-1419166-0	NO		TYC9-1419166-0	"V23542-G1408-A101"			
917989-1	NO			"0-0917989-1"			
917989-6	NO		TYC917989-6				
917992-1	NO						

Customer: TTI (OR) (2922319) **Location:** Beaverton **Agreement Number:** Agreement Unknown

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
9-1419166-0	NO			"V23542-G1408-A101"			

Customer: TTI Inc (168830) **Location:** Fort Worth **Agreement Number:** Agreement Unknown

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
1-1456426-1	NO						

1-1456426-5	NO						
1326110-1	NO						
1411001-1	NO			"V23542-G1508-A115"			
1438031-1	NO			"V23542-G1516-A101"			
1438761-6	NO						
1456315-1	NO						
1456315-2	NO						
1456987-4	NO						
184000-1	NO						
184002-1	NO						
184004-1	NO						
184006-1	NO						
184006-2	NO						
184020-1	NO						
184032-1	NO						
184046-1	NO			"EM3604-000", "AMP-0-0184046-1"			
184115-1	NO						
184292-1	NO						
184311-1	NO						
184340-1	NO						
184349-1	NO						
184392-1	NO						
184392-2	NO						
184393-2	NO						
184397-1	NO						
184400-1	NO						
184401-1	NO						

1924337-1	NO						
1924939-1	NO						
2098627-2	NO						
2138314-1	NO						
2203111-2	NO						
2289050-2	NO						
4-1437287-5	NO			"130025602401"			
4-1437287-6	NO			"130025602402"			
4-1437287-7	NO			"130025603205"			
4-1456426-2	NO						
638207-6	NO						
638394-4	NO						
638444-9	NO						
9-1326729-8	NO						

Customer: TTI Inc. (3057778) **Location:** Olching **Agreement Number:** Agreement Unknown

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
1-1456426-1	NO		TYC1-1456426-1				

1-1456426-5	NO		TYC1-1456426-5				
1326226-1	NO						
1411001-1	NO		TYC1411001-1	"V23542-G1508-A115"			
1438031-1	NO		TYC1438031-1	"V23542-G1516-A101"			
1438156-3	NO		TYC1438156-3				
1438454-1	NO		TYC1438454-1				
1456987-3	NO						
1456989-3	NO						
184002-1	NO		TYC184002-1				
184004-1	NO		TYC184004-1				
184022-1	NO						
184046-1	NO		TYC184046-1	"EM3604-000", "AMP-0-0184046-1"			
184060-1	NO		TYC184060-1				
184392-1	NO		TYC184392-1				
2272431-3	NO						
5-1419168-8	NO			"V23542-G1516-D101"			
638157-1	NO		TYC638157-1				
638517-5	NO						
776932-1	NO		TYC776932-1				
9-1419166-0	NO		TYC9-1419166-0	"V23542-G1408-A101"			
917989-1	NO			"0-0917989-1"			
917989-6	NO		TYC917989-6				
917992-1	NO						

Customer: TTI Electronic (Thailand) Ltd (3084974) **Location:** Huaykwang Bangkok **Agreement Number:** Agreement Unknown

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
1456867-3	NO						

Customer: TTI Electroncis Asia Pte LTD (3055204) **Location:** Seoul **Agreement Number:** Agreement Unknown

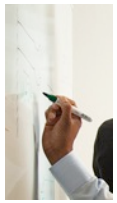
Part Number(s) being Modified:

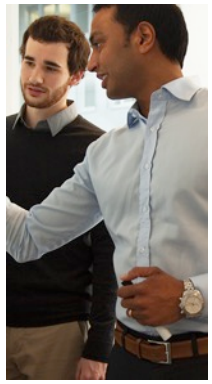
Part Number	Part Discontinued per PCN	Customer Drawing	Customer Part Number	Alias Part Number(s)	Substitute Part Number	Substitute Alias Part Number(s)	Description Of Difference
3-2098269-8	NO						

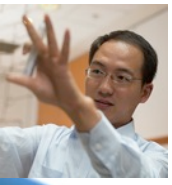
Customer: TTI Electronics Asia Pte Ltd. (2771300) **Location:** Singapore **Agreement Number:** Agreement Unknown

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
1326964-1	NO						







TE Empalme Consolidation Project

EVERY CONNECTION COUNTS

July 4, 2018

Dear Customer,

We are proud to announce that TE Connectivity, Automotive Business Unit is in the process of a Consolidation Project in the Empalme location, the objective is to consolidate Plant 1 (Molding & Mechatronics) and Plant 4 (Assembly) into a single building, in the same industrial park.

As part of our ongoing activities to provide our customers the highest quality products, this will drive to a Vertical Integration, Safety Systems improvements, Warehouse optimization, and excellent customer experience.

The building is being prepare to start moving in September 2018 through December 2018.

*Specific timing schedule for each product family will be provided upon request.

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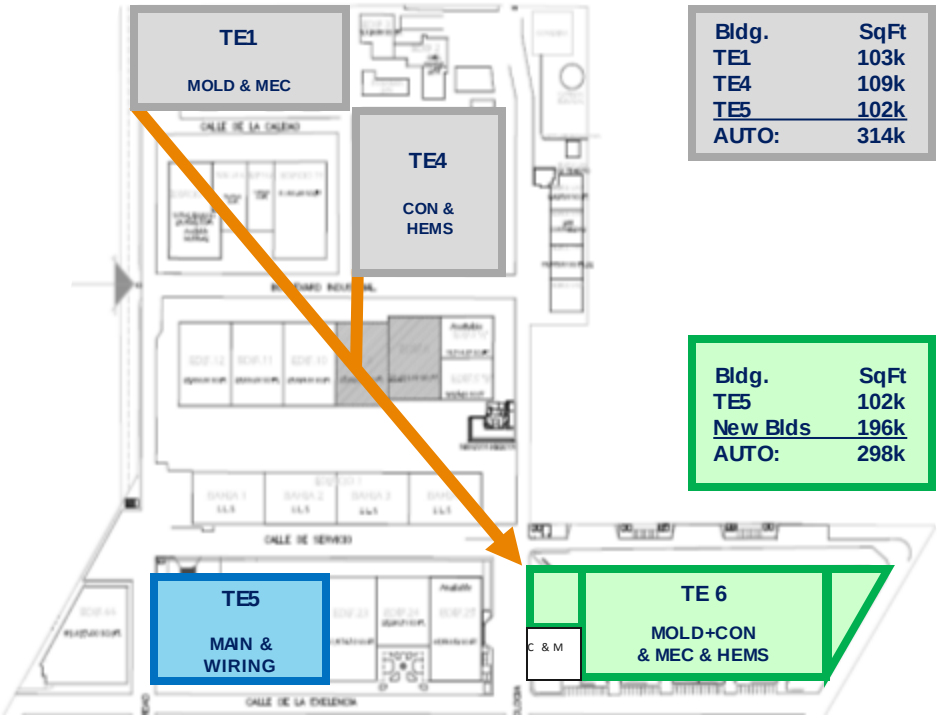
Empalme Campus Consolidation Strategy- From Two to One Building



Bldg.	SqFt
TE1	103k
TE4	109k
TE5	102k
AUTO:	314k

Bldg.	SqFt
TE5	102k
New Blds	196k
AUTO:	298k

Operation Drivers

FM Global Safety Recommendations

Vertical Integration CONN & MOLD

MRF & Warehouse improvement

GLOG usage as central FG warehouse

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Validation Strategy

Process Validation

After move studies for

- Process critical characteristics (process capability studies)
- Inspection Systems (GRR)
- EOL Testers (Variable and Attribute GRR)

Product Validation

- QIP Before and after comparison.
- Dimensional result after per TE customer drawing key characteristics.
- Performance Test according current process controls in place.

Safe Launch

Safe Launch for all part production shipments

1. Increased frequency of QIP checks : 2X for 4 weeks,
2. Safe launch ASSY : Up to 4 weeks after SOP (or 25,000 parts)

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Validation Strategy , cont….

Validation

- Validation activities will be conducted on a representative part in the product family

PPAP Submission

- PPAP will be submitted with process / product validation data

Other

- TE to apply special labeling to identify the first three shipments

Customer Visits & Audits

- To accommodate peak scheduling of visits, Customers to advise;
  - one month in advance for general visit
  - one month in advance and 2 weeks after SOP for audits

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Thanks!

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