Product Change Notification

Current Date: 22-Apr-2019

TE Connectivity

Product Change Notification: P-19-017242 **PCN Date:** 18-APR-19

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:
Signal Double Lock SDL 2.5mm 4P double lock plate(TPA)

Description of Changes
Revise 917700-1 and 917700-2 to add new material. **Other attachments:** Explain Report

Reason for Changes:	
Product improvement.Adding a second resin to accommodate market constraints. There are no performance changes, Test report and material change detail can be found in the attachment of this PCN Material certification is available upon request to your local TE Connectivity Sales Engineer.	
Estimated Dates:	
Last Order Date (Obsolete Parts Only):	**First Date To Ship** (Changed Parts Only):

	18-JUL-2019
Last Ship Date (Obsolete Parts Only):	**Last Date for Mixed Shipments:** (Changed Parts Only):
	30-DEC-2019

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
917700-1	NO						

The documents listed below are being modified. Related parts that are not explicitly listed on this PCN are not being modified or discontinued as per the PCN. The Last Order Date, Last Ship Date, First Date to Ship Changed Parts and last date for Mixed Shipments apply only to parts explicitly listed on this PCN.

Customer Drawing(s) Being Modified:

Drawing Number	Related Part Number	Customer Part Number	Current Revision	New Revision
917700	917700-1		C	

Customer: Shanghai TTI ELectronics Co Ltd (1405773) **Location:** Shanghai **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
917700-1	NO						

The documents listed below are being modified. Related parts that are not explicitly listed on this PCN are not being modified or discontinued as per the PCN. The Last Order Date, Last Ship Date, First Date to Ship Changed Parts and last date for Mixed Shipments apply only to parts explicitly listed on this PCN.

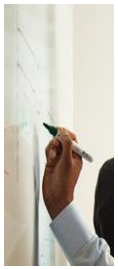
Customer Drawing(s) Being Modified:

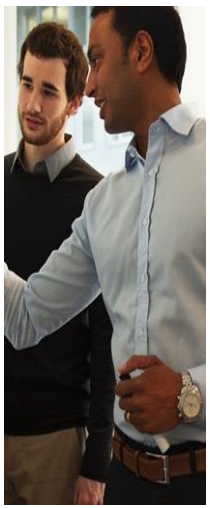
Drawing Number	Related Part Number	Customer Part Number	Current Revision	New Revision
917700	917700-1		C	

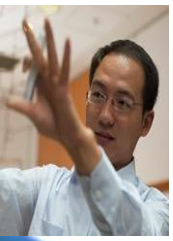
Customer: Shanghai TTI ELectronics Co Ltd (3064990) **Location:** Shanghai **Agreement Number:** Agreement Unknown

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
917700-1	NO						







PCN for SDL TPA 917700-1 and 917700-2

EVERY CONNECTION COUNTS

PCN for SDL TPA

- We need change the material for below PN:

Current PN	Name	New PN	Dimension report for new material	Mating Part
917700-1	SDL 4P TPA Nat	No Change	Not ready, we will start mold modification after PCN closed.	4P plug: 917688 4P cap: 316088
917700-2	SDL 4P TPA Red			

- Parameter Comparison for new and current material.

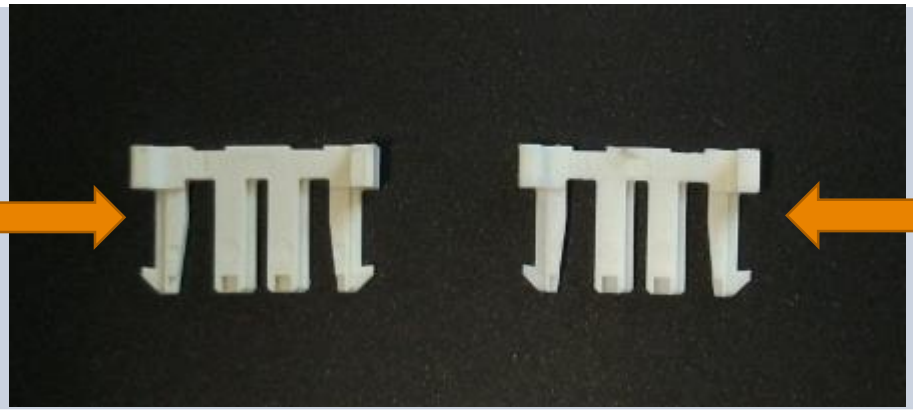
Parameter and Description	Resin classification	Halogen	GWT750 (Glow Wire)	Glass Fiber	UL 94 flame Class	RTI Elec (Ralated temprature index for electric)
Current resin	PA66	Not Low Halogen	Small part，no GWT requirement	20%	V0	130@0.5mm
New resin	PBT	Not Low Halogen		30%	V0	140@0.4mm
Comparison	Different	Same		Improved	same	Improved

- **PCN:**

PCN General Product Description: Signal Double Lock SDL 2.5mm 4P double lock plate(TPA)
PCN Description of Change: Revise 917700-1 and 917700-2 to add new material.
PCN Reason for Change:
Adding a second resin to accommodate market constraints. There are no performance changes, Test report and material change detail can be found in the attachment of this PCN， Material certification is available upon request to your local TE Connectivity Sales Engineer.
PCN Classification: Form Fit Function Change.

PCN for SDL TPA

- Appearance comparation: There is only a little color difference between new part and current part.

Color	Comparation
Nature	Current Part  New Part
Red	No sample in this phase.

- Test report for part with new material: refer to the attachment “502-106390”.

SDL2.5 TPA 917709-1 - Qualification test

1. INTRODUCTION

1.1 Purpose

Testing was performed on the TE Connectivity SDL 2.5mm 13P TPA 917709-1 to see whether it can meet the force requirement.

1.2 Scope

This report covers the locking force performance of the SDL 2.5mm 917709-1. Testing was performed at the Shanghai Test Laboratory on Oct 2018. Detailed test data is stored at Dmtec under TP-18-03009.

1.3 Conclusion

The SDL 13P connectors specimens listed in paragraph 1.4 were tested according to the sequence listed in paragraph 1.5.

1.4 Test Specimens

Specimens identified with the following part numbers were used for this test program, refer to Table 1.

Table 1 – Test Specimens

Test Group	Quantity	Part Number	Description
1	4	917709-1	2.5 SIGNAL D/LOCK D.L.P 13P
	4	917697-1	2.5 SIGNAL D/LOCK PLUG HSG 13P

1.5 Test Sequence

The specimens listed in paragraph 1.4 test were subjected to the test sequences outlined below in Table 2.

Table 2 – Test Sequence

Test group	Test or Examination	Test Sequence (a)
1	Examination	1
	Double Locking Plate Locking Force	2

a) The numbers indicate sequence in which tests were performed.

1.6 Environmental Conditions

Unless otherwise stated, the following environmental conditions prevailed during testing, see table 3.

Table 3 - Environmental Conditions

Test or Examination	Environmental Conditions
Double Locking Plate Locking Force	Temperature: 25°C, Relative Humidity: 50%

2. SUMMARY OF TESTING

2.1 Double Locking Plate Locking Force Test

Criteria: 14.7N min, Test speed: 100mm/min. Test record see Table 4. The part can meet double locking plate locking force requirement.

Table 4 – Double Locking Plate Locking Force Test

Sample	S1	S2	S3	S4
Force	16	15.13	21.77	24.03
Result	Pass	Pass	Pass	Pass

3. TEST METHODS

3.1 Double Locking Plate Locking Force Test

Execute visual check before test, Mount test test specimen with fixture in a normal manner. Do test and export the force curve,Execute visual check after test.

Table 5 – Double Locking Plate Locking Force Test

Test Set Up	Test Curve