



# Product Change Notification

Current Date: 22-Apr-2019

## TE Connectivity

**Product Change Notification:** E-19-006031

**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).

<b>General Product Description:</b>
Economy power connector plug housing

<b>Description of Changes</b>
Product Improvement. Adding a second resin to accommodate market constraints. There are no performance changes, new parts have finished qualification test. Material certification and test report are available upon request to your local TE Connectivity Sales Engineer.
<b>Other attachments:</b>
<a href="#">PCN for EP3.96 1123722 &amp; 1123823</a>

<b>Reason for Changes:</b>	
Manufacturing / Process Requirements. Product Improvement. Adding a second resin to accommodate market constraints. There are no performance changes, new parts have finished qualification test. Material certification and test report are available upon request to your local TE Connectivity Sales Engineer.	
<b>Estimated Dates:</b>	
<b>Last Order Date</b> (Obsolete Parts Only):	<b>First Date To Ship</b> (Changed Parts Only):

	31-OCT-2019
<b>Last Ship Date</b> (Obsolete Parts Only):	<b>Last Date for Mixed Shipments:</b> (Changed Parts Only):
	31-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
<a href="#">1-1123722-0</a>	NO						
<a href="#">1-1123722-2</a>	NO						
<a href="#">1-1123722-3</a>	NO						
<a href="#">1-1123722-4</a>	NO						
<a href="#">1-1123722-5</a>	NO						
<a href="#">1-1123722-6</a>	NO						
<a href="#">1-1123722-7</a>	NO						
<a href="#">1-1123722-8</a>	NO						
<a href="#">4-1123722-5</a>	NO						
<a href="#">6-1123722-4</a>	NO						

**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
<a href="#">1-1123722-0</a>	NO						
<a href="#">1-1123722-2</a>	NO						

Customer: TTI Inc ( 1281288 )

Location: Fort Worth

Agreement Number: TT1002

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
<a href="#">1-1123722-2</a>	NO						
<a href="#">1-1123722-3</a>	NO						
<a href="#">1-1123722-4</a>	NO						
<a href="#">1-1123722-6</a>	NO						
<a href="#">1-1123722-7</a>	NO						
<a href="#">1-1123722-8</a>	NO						
<a href="#">4-1123722-5</a>	NO						
<a href="#">6-1123722-4</a>	NO						

Customer: Shanghai TTI EElectronics 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
<a href="#">1-1123722-3</a>	NO						
<a href="#">1-1123722-6</a>	NO						

**Customer:** TTI Inc. ( 1305175 )

**Location:** Maisach-gernlinden

**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
<a href="#">1-1123722-3</a>	NO		TYC1-1123722-3				
<a href="#">1-1123722-5</a>	NO		TYC1-1123722-5				
<a href="#">1-1123722-6</a>	NO		TYC1-1123722-6				

**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
<a href="#">1-1123722-0</a>	NO						

<a href="#">1-1123722-2</a>	NO						
<a href="#">1-1123722-3</a>	NO						
<a href="#">1-1123722-8</a>	NO						

**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
<a href="#">1-1123722-2</a>	NO						
<a href="#">1-1123722-3</a>	NO						
<a href="#">1-1123722-4</a>	NO						
<a href="#">1-1123722-6</a>	NO						
<a href="#">1-1123722-7</a>	NO						
<a href="#">1-1123722-8</a>	NO						
<a href="#">4-1123722-5</a>	NO						
<a href="#">6-1123722-4</a>	NO						

**Customer:** TTI Inc. ( 3057778 )

**Location:** Maisach-gernlinden

**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
<a href="#">1-1123722-3</a>	NO		TYC1-1123722-3				
<a href="#">1-1123722-5</a>	NO		TYC1-1123722-5				
<a href="#">1-1123722-6</a>	NO		TYC1-1123722-6				

**Customer:** Tti Inc ( 3065242 )

**Location:** Maisach-Gernlinden

**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
<a href="#">1-1123722-3</a>	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
<a href="#">1-1123722-0</a>	NO						
<a href="#">1-1123722-2</a>	NO						
<a href="#">1-1123722-3</a>	NO						
<a href="#">1-1123722-8</a>	NO						

**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
<a href="#">1-1123722-3</a>	NO						
<a href="#">1-1123722-6</a>	NO						

# PCN for Economy power connector

## PCN

### **PCN General Product Description:**

Economy power connector plug housing

### **PCN Description of Change:**

Add alternative material for below parts.

### **PCN Reason for Change:**

Product Improvement. Adding a second resin to accommodate market constraints. There are no performance changes, new parts have finished qualification test. Material certification and test report are available upon request to your local TE Connectivity Sales Engineer.

### **PCN Classification:**

Form Fit Function Change.

# PCN for Economy power connector

## Part No. List 1

Part no.	Part description
1-1123722-2	EP3.96 plug housing 2P(Natural)
2-1123722-2	EP3.96 plug housing 2P(Yellow)
3-1123722-2	EP3.96 plug housing 2P(Blue)
4-1123722-2	EP3.96 plug housing 2P(Red)
5-1123722-2	EP3.96 plug housing 2P(Black)
6-1123722-2	EP3.96 plug housing 2P(Green)
1-1123722-3	EP3.96 plug housing 3P(Natural)
2-1123722-3	EP3.96 plug housing 3P(Yellow)
3-1123722-3	EP3.96 plug housing 3P(Blue)
4-1123722-3	EP3.96 plug housing 3P(Red)
5-1123722-3	EP3.96 plug housing 3P(Black)
6-1123722-3	EP3.96 plug housing 3P(Green)
1-1123722-4	EP3.96 plug housing 4P(Natural)
2-1123722-4	EP3.96 plug housing 4P(Yellow)
3-1123722-4	EP3.96 plug housing 4P(Blue)
4-1123722-4	EP3.96 plug housing 4P(Red)
5-1123722-4	EP3.96 plug housing 4P(Black)
6-1123722-4	EP3.96 plug housing 4P(Green)
1-1123722-5	EP3.96 plug housing 5P(Natural)

We will add alternative material for above parts. The part no. will keep current.

# PCN for Economy power connector

## Part No. List 2

Part no.	Part description
2-1123722-5	EP3.96 plug housing 5P(Yellow)
3-1123722-5	EP3.96 plug housing 5P(Blue)
4-1123722-5	EP3.96 plug housing 5P(Red)
5-1123722-5	EP3.96 plug housing 5P(Black)
6-1123722-5	EP3.96 plug housing 5P(Green)
1-1123722-6	EP3.96 plug housing 6P(Natural)
2-1123722-6	EP3.96 plug housing 6P(Yellow)
3-1123722-6	EP3.96 plug housing 6P(Blue)
4-1123722-6	EP3.96 plug housing 6P(Red)
5-1123722-6	EP3.96 plug housing 6P(Black)
6-1123722-6	EP3.96 plug housing 6P(Green)
1-1123722-7	EP3.96 plug housing 7P(Natural)
2-1123722-7	EP3.96 plug housing 7P(Yellow)
3-1123722-7	EP3.96 plug housing 7P(Blue)
4-1123722-7	EP3.96 plug housing 7P(Red)
5-1123722-7	EP3.96 plug housing 7P(Black)
6-1123722-7	EP3.96 plug housing 7P(Green)
1-1123722-8	EP3.96 plug housing 8P(Natural)
2-1123722-8	EP3.96 plug housing 8P(Yellow)

We will add alternative material for above parts. The part no. will keep current.

# PCN for Economy power connector

## Part No. List 3

Part no.	Part description
3-1123722-8	EP3.96 plug housing 8P(Blue)
4-1123722-8	EP3.96 plug housing 8P(Red)
5-1123722-8	EP3.96 plug housing 8P(Black)
6-1123722-8	EP3.96 plug housing 8P(Green)
1-1123722-9	EP3.96 plug housing 9P(Natural)
2-1123722-9	EP3.96 plug housing 9P(Yellow)
3-1123722-9	EP3.96 plug housing 9P(Blue)
4-1123722-9	EP3.96 plug housing 9P(Red)
5-1123722-9	EP3.96 plug housing 9P(Black)
6-1123722-9	EP3.96 plug housing 10P(Green)
1-1123722-0	EP3.96 plug housing 10P(Natural)
2-1123722-0	EP3.96 plug housing 10P(Yellow)
3-1123722-0	EP3.96 plug housing 10P(Blue)
4-1123722-0	EP3.96 plug housing 10P(Red)
5-1123722-0	EP3.96 plug housing 10P(Black)
6-1123722-0	EP3.96 plug housing 10P(Green)
1-1123722-1	EP3.96 plug housing 11P(Natural)
2-1123722-1	EP3.96 plug housing 11P(Yellow)
3-1123722-1	EP3.96 plug housing 11P(Blue)

We will add alternative material for above parts. The part no. will keep current.

# PCN for Economy power connector

## Part No. List 4

Part no.	Part description
4-1123722-1	EP3.96 plug housing 11P(Red)
5-1123722-1	EP3.96 plug housing 11P(Black)
6-1123722-1	EP3.96 plug housing 11P(Green)
1-1123823-1	EP3.96 plug housing 1P(Natural)
2-1123823-1	EP3.96 plug housing 1P(Yellow)
3-1123823-1	EP3.96 plug housing 1P(Blue)
4-1123823-1	EP3.96 plug housing 1P(Red)
5-1123823-1	EP3.96 plug housing 1P(Black)
1-1123823-1	EP plug housing 1P (Natural)
2-1123823-1	EP plug housing 1P (Yellow)
3-1123823-1	EP plug housing 1P (Blue)
4-1123823-1	EP plug housing 1P (Red)
5-1123823-1	EP plug housing 1P (Black)

We will add alternative material for above parts. The part no. will keep current.

# PCN for Economy power connector

## Comparison

Key parameter comparison for new and current material

Parameter and Description	Key Parameter						
	Resin classification	GWT750	Glass Fiber	UL 94	RTI Elec	CTI	Halogen
Current resin	PA66	None	without	V0	130@0.4mm	0 (>=600V)	Halogen Free
New resin	PA66	None	without	V0	130@0.4mm	0 (>=600V)	Halogen Free

UL yellow card for material, but minimum thickness of EP3.96 is 0.4mm

Current material

New material

Flammability	Value	Test Method
Flame Rating		UL 94
0.25 mm, ALL	V-0	IEC 60695-11-10, -20
0.38 mm, ALL	V-0	
0.66 mm, ALL	V-0	
1.5 mm, ALL	V-0	
3.0 mm, ALL	V-0	
Electrical	Value	Test Method
Hot-wire Ignition (HWI)		UL 746
0.38 mm	PLC 4	UL 746
0.66 mm	PLC 4	
1.5 mm	PLC 3	
3.0 mm	PLC 2	
High Amp Arc Ignition (HAI)		UL 746
0.38 mm	PLC 0	UL 746
0.66 mm	PLC 0	
1.5 mm	PLC 0	
3.0 mm	PLC 0	
Comparative Tracking Index (CTI)	PLC 0	UL 746
Dielectric Strength	28 kV/mm	ASTM D149 IEC 60243-1

Flammability	Value	Test Method
Flame Rating		UL 94
0.38 mm, ALL	V-0	IEC 60695-11-10, -20
0.75 mm, ALL	V-0	
1.5 mm, ALL	V-0	
3.0 mm, ALL	V-0	
Electrical	Value	Test Method
Hot-wire Ignition (HWI)		UL 746
0.38 mm	PLC 4	UL 746
0.75 mm	PLC 4	
1.5 mm	PLC 4	
3.0 mm	PLC 3	
High Amp Arc Ignition (HAI)		UL 746
0.38 mm	PLC 0	UL 746
0.75 mm	PLC 0	
1.5 mm	PLC 0	
3.0 mm	PLC 0	
Comparative Tracking Index (CTI)	PLC 0	UL 746
Dielectric Strength	13 kV/mm	ASTM D149 IEC 60243-1

# PCN for Economy power connector

## Test Result

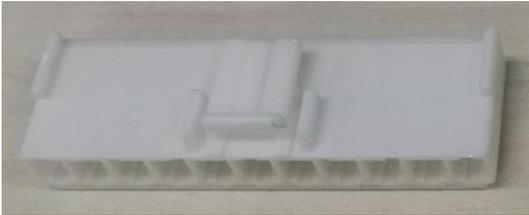
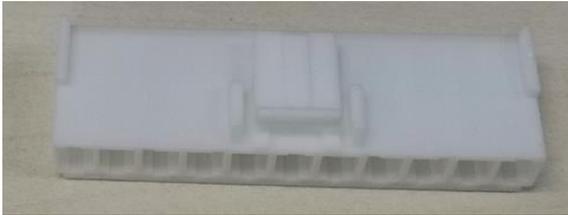
We have did performance test following product specification 108-5609, all performance related to resin meet spec., test report is 502- 106428

Test Items	Test Result
Examination of Product	Pass
Insulation Resistance	Pass
Dielectric withstanding Voltage	Pass
Humidity-temperature cycling	Pass
Contact Insertion Force Test	Pass
Contact Extraction Force	Pass
Mating & Unmating Force	Pass
Durability Test	Pass
Latch Activation Force	Pass

# PCN for Economy power connector

## Color Comparison

We also change the colorant, so the color between the new part and the current part will have small difference.

	Color comparison	
Nature	Current Part 	New Part 
Red	Have not made sample, we will add part picture before officially release the PCN	
Blue	Have not made sample, we will add part picture before officially release the PCN	
Yellow	Have not made sample, we will add part picture before officially release the PCN	
Black	Have not made sample, we will add part picture before officially release the PCN	
Green	Have not made sample, we will add part picture before officially release the PCN	