



# Product Change Notification

## TE Connectivity

**Product Change Notification:** PCN-22-131305

**PCN Date:** 03-MAR-22

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:**

AMPMODU II TRIPLE ROW UNSHROUDED HEADER

**Description of Changes**

Plastic material change for the housings from current PA66 grade to a readily available PA66 grade. Parts made from new PA66 grade have been validated (see attached test report). Implementation will be within 60 days. Reason for Change: Non availability of current PA66 grade

**Other attachments:**

[Test report](#)

**Reason for Changes:**

**PCN Attributes:**

**Product Category:**

Connectors

**Kind of Change:**

Material

**Change Feature:**

Material Change

**Potential Customer Impact:**

Risk mitigation

**Remarks:**

**Estimated Dates:**

**Last Order Date** (Obsolete Parts Only):

**First Ship Date of Changed Items** (Changed Parts Only):

06-MAY-2022

<b>Last Ship Date of Changed Items (Obsolete Parts Only):</b>	<b>Last Date for Mixed Shipments: (Changed Parts Only):</b>
	No Mixed Shipments
<b>Effectivity Date:</b>	<b>Date of First Samples:</b>

**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="#">103817-2</a>	NO						
<a href="#">5-103817-2</a>	NO						
<a href="#">5-103817-6</a>	NO			"2-42937-2887"			

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
<a href="#">103817</a>	5-103817-2, 103817-2		E4	

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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="#">103817-2</a>	NO						

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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="#">5-103817-2</a>	NO						
<a href="#">5-103817-6</a>	NO			"2-42937-2887"			

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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="#">103817-2</a>	NO						

# Test Report



's-Hertogenbosch Environmental Testing Laboratory (IND)

TE Connectivity Nederland BV, Rietveldweg 32, 5222 AR, 's-Hertogenbosch, The Netherlands

**Report Title: AMPMOD II, HEADER, TRIPLE ROW, VERTICAL, W/.025 SQUARE POST**

**Report ID: 502-153583 rev. A**

**Date Issued: 28-Oct-2021**

**TE Data Classification (TEC-02-04) class I**

Requestor: <b>J K, Karthik</b>	
TE Project Number: <b>PRJ-21-000902070</b>	
Sample Name: <b>AMPMOD II, HEADER, TRIPLE ROW, VERTICAL, W/.025 SQUARE POST</b>	
TE Part number: <b>5-103817-2 Rev E</b>	
Remarks: Samples returned to requester	

Test Scope: To determine the electrical and environmental performance of the new plastic material, when partially tested to the TE product specification 108-25026 Rev D.	
Performed Test or Analysis: 1 Visual examination 2 Insulation resistance 3 Dielectric withstanding voltage 4 Thermal shock 5 Humidity temperature cycling	
Requirement: TE Connectivity product specification 108-25026 Rev D test group 4	
Conclusion: All tested samples met the specified requirements	Result: OK

Lab Project ID (lab internal): <b>E21.09.3254</b>	Responsible Test Engineer: <b>Verhoeven, Ad</b>	Approver: <b>K. Schepers</b>
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## SAMPLE DESCRIPTION

21 samples (P/N: 5-103817-2 Rev E) for test group 4 of the TE product specification 108-25026 Rev D were used.

## TEST PROCEDURES

EIA 364-18:

### **VISUAL EXAMINATION:**

The test samples were visually inspected under a stereo microscope at a 10x magnification, with suitable illumination.

EIA 364-21:

### **INSULATION RESISTANCE:**

This measurement was done with a programmable electrometer. The measuring voltage was 500 Volt during one minute.

EIA 364-20:

### **WITHSTANDING VOLTAGE:**

This measurement was done with a high voltage tester. The test Duration was one minute at 1000Vac.

EIA 364-32:

### **THERMAL SHOCK:**

The samples were subjected to a thermal shock test with the following parameters:

One cycle consists of:

Upper temperature : 125°C for 30 minutes.

Lower temperature : -55°C for 30 minutes.

Condition : unmated.

Number of cycles : 5

EIA 364-31:

### **DAMP HEAT CYCLIC:**

Method IV

The samples were subjected to a cyclic damp heat test under the following conditions:

Upper temperature : 65 °C.

Lower temperature : 25°C.

Cold shock : -10°C.

Relative humidity : 90%.

Condition : unmated.

Number of cycles : 10 days.

# Test Report



's-Hertogenbosch Environmental Testing Laboratory (IND)

TE Connectivity Nederland BV, Rietveldenweg 32, 5222 AR, 's-Hertogenbosch, The Netherlands

## TEST SEQUENCE

<b>108-25026 Rev D Test group 4</b>
Visual examination
Insulation resistance
Dielectric withstanding voltage
Thermal shock
Damp heat cyclic
Insulation resistance
Dielectric withstanding voltage
Visual examination

## EQUIPMENT USED

<u>Equipment</u>	<u>Manufacturer</u>	<u>Type</u>	<u>Series Nb</u>	<u>Cal. Due</u>
Discussion Stereoscope 1	Wild Heerbrugg	0	0	-
Electro meter 6517A1	Keithley	6517A	1326371	Dec-21
High Voltage Tester 1	Sefelec	DXS506	1109582	Jan-23
Therm.shock chamber	C.T.S.	TSS-70/130	157283	Jan-22
Climatic chamber	C.T.S.	C-65/100	87130	Jan-22

## SUMMARY OF TESTRESULTS

<b>TstGrp 4</b>	<b>Measurements</b>	<b>Requirements</b>	<b>Results</b>
Insulation resistance			
Initial	Min = 3.61E+11	Min > 5E+09	OK
Final	Min = 4.78E+09	Min > 1E+09	OK
Dielectric witstanding voltage			
Initial & Final	No flash over or break down		OK