



# Product Change Notification

## TE Connectivity

Product Change Notification: PCN-21-124063

PCN Date: 06-JAN-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 UNSHROUDED HEADERS, SURFACE MOUNT, REFLOW SOLDER CAPABLE, BOTH SINGLE AND DUAL ROW, PACKED IN BLISTER BELT .P

**Description of Changes**

AMPMODU II UNSHROUDED HEADERS, SURFACE MOUNT, REFLOW SOLDER CAPABLE, BOTH SINGLE AND DUAL ROW, PACKED IN BLISTER BELT .Plastic material change for the connector housings from existing PCT grade to a readily available PCT grade. No effect on functionality. Parts with the new PCT grade material have been internally validated. See attached test report. Implementation will be in 90 days. Reason for change: Lead time for existing PCT material is more than 6 months and it could be eventually obsoleted

**Other attachments:**

[Test report](#)

**Reason for Changes:**

**PCN Attributes:**

<b>Product Category:</b>	<b>Kind of Change:</b>
Headers	Material
<b>Change Feature:</b>	<b>Potential Customer Impact:</b>
Material Change	Risk mitigation
<b>Remarks:</b>	

**Estimated Dates:**

<b>Last Order Date</b> (Obsolete Parts Only):	<b>First Ship Date of Changed Items</b> (Changed Parts Only):
	11-APR-2022
<b>Last Ship Date of Changed Items</b> (Obsolete Parts Only):	<b>Last Date for Mixed Shipments:</b> (Changed Parts Only):
	11-MAY-2022
<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="#">1-1241050-0</a>	NO						
<a href="#">1-1241050-2</a>	NO						
<a href="#">1241050-2</a>	NO						
<a href="#">1241050-3</a>	NO						
<a href="#">1241050-4</a>	NO						
<a href="#">1241050-5</a>	NO						
<a href="#">1241050-6</a>	NO						
<a href="#">1241050-8</a>	NO						
<a href="#">1241150-3</a>	NO						
<a href="#">1241150-4</a>	NO						
<a href="#">1241150-5</a>	NO						
<a href="#">1241150-6</a>	NO						
<a href="#">1241150-8</a>	NO						
<a href="#">1241150-9</a>	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
<a href="#">1241050</a>	1-1241050-0, 1-1241050-2, 1241050-3		B1	
<a href="#">1241150</a>	1241150-3, 1241150-8			

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="#">1-1241050-2</a>	NO						
<a href="#">1241150-8</a>	NO						
<a href="#">1241150-9</a>	NO						

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<a href="#">1241150</a>	1241150-8			

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<a href="#">1-1241050-2</a>	NO						
<a href="#">1241150-8</a>	NO						
<a href="#">1241150-9</a>	NO						

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<a href="#">1-1241050-0</a>	NO						
<a href="#">1-1241050-2</a>	NO						
<a href="#">1241150-8</a>	NO						

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Drawing Number	Related Part Number	Customer Part Number	Current Revision	New Revision
<a href="#">1241050</a>	1-1241050-0		B1	
<a href="#">1241150</a>	1241150-8			

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="#">1241050-3</a>	NO						

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**Customer Drawing(s) Being Modified:**

Drawing Number	Related Part Number	Customer Part Number	Current Revision	New Revision
<a href="#">1241050</a>	1241050-3		B1	

**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="#">1-1241050-0</a>	NO						
<a href="#">1241050-2</a>	NO						
<a href="#">1241050-3</a>	NO						
<a href="#">1241050-4</a>	NO						
<a href="#">1241050-5</a>	NO						
<a href="#">1241050-6</a>	NO						
<a href="#">1241050-8</a>	NO						
<a href="#">1241150-3</a>	NO						
<a href="#">1241150-4</a>	NO						
<a href="#">1241150-5</a>	NO						
<a href="#">1241150-6</a>	NO						

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**Customer Drawing(s) Being Modified:**

Drawing Number	Related Part Number	Customer Part Number	Current Revision	New Revision
<a href="#">1241050</a>	1-1241050-0		B1	
<a href="#">1241150</a>	1241150-3			

**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="#">1-1241050-2</a>	NO						

# Test Report



's-Hertogenbosch Environmental Testing Laboratory (IND)

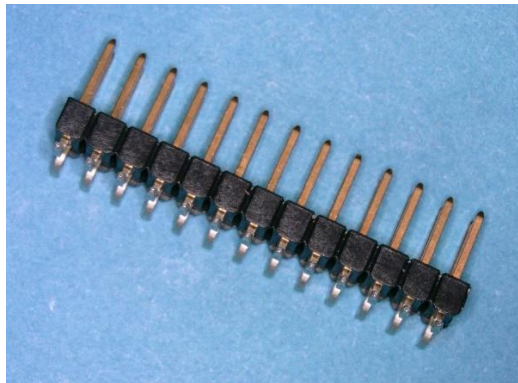
TE Connectivity Nederland BV, Rietveldweg 32, 5222 AR, 's-Hertogenbosch, The Netherlands

**Report Title: AMPMODU II HEADER SMD, DUAL ROW**

**Report ID: 502-153591 rev. A**

**Date Issued: 14-Dec-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>AMPMODU II HEADER SMD, DUAL ROW</b>	
TE Part number: <b>1-966709-3 Rev B</b>	
Remarks: Samples returned to requestor	

Test Scope: To determine the electrical and environmental performance of the new plastic material, when partially tested to TE product specification 108-18012 and TE specification 109-201, test method A, condition B.	
Performed Test or Analysis: 1 Visual examination 2 Insulation resistance 3 Dielectric withstanding voltage 4 Damp heat cyclic 5 Resistance to soldering heat	
Requirement: TE Connectivity Product Specification 108-18012 and TE 109-201 test method A, condition B	
Conclusion: All tested samples met the specified requirements	Result: OK

Lab Project ID (lab internal): <b>E21.09.3253</b>	Responsible Test Engineer: <b>Verhoeven, Ad</b>	Approver: <b>K. Schepers</b>
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## SAMPLE DESCRIPTION

The test samples were divided into 2 groups with 5 pieces (P/N: 1-966709-3 Rev. B) for each group.

## 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 364-31:                   **DAMP HEAT CYCLIC:**  
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
- TEC-109-201:  
§3.3 Method B, cond. B       **RESISTANCE TO SOLDERING HEAT:**  
Samples were 3 times subjected to a Hot air reflow soldering curve, under the following conditions:  
-Average ramp rate: 3°C per second maximum  
-Preheat temperature (minimum): 150°C  
-Preheat temperature (maximum): 200°C  
-Preheat time: 60 to 180 seconds  
-Ramp to peak: 3°C per second maximum  
-Time over liquidus (217°C): 60 to 150 seconds  
-Peak temperature: 260 +0°-5°C  
-Time within 5°C of peak: 20 to 40 seconds  
-Ramp - cool down: 6°C per second maximum  
-Time 25°C to peak: 8 minutes maximum

# Test Report



's-Hertogenbosch Environmental Testing Laboratory (IND)

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

## TEST SEQUENCE

Test Group 1	Test Group 2
Visual examination	Visual examination
Insulation resistance	Resistance to soldering heat
Dielectric Withstanding Voltage	Visual examination
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	-
Micro-ohm meter 1	HIOKI	3560	90922733	Oct-22
High Voltage Tester 1	Sefelec	DXS506	1109582	Jan-23
Climatic chamber	C.T.S.	C-70/350	47018	Jan-22
Hot air reflow oven	ALLSMT	EasyFlow	6/30	-

## SUMMARY OF TESTRESULTS

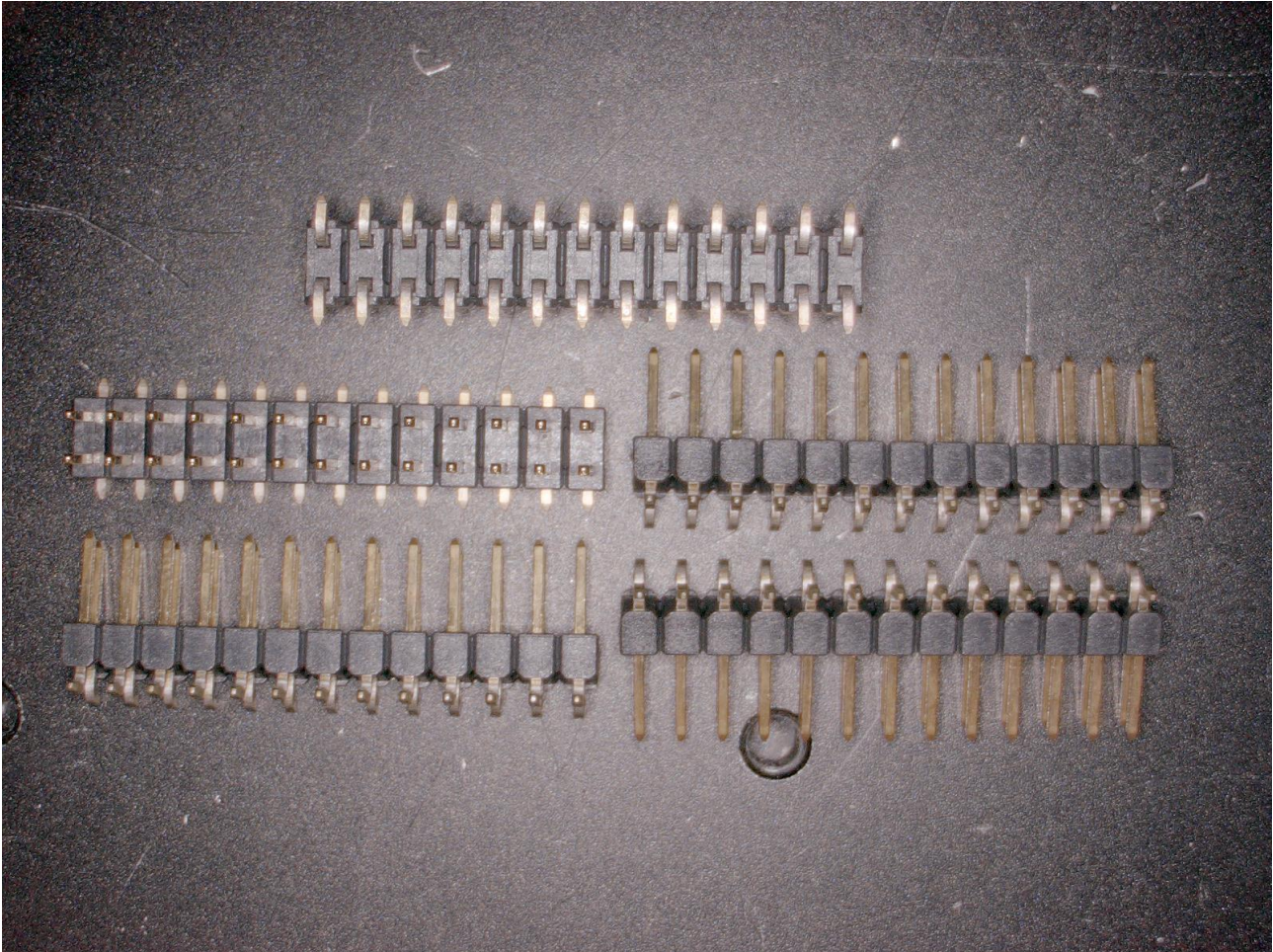
TstGrp 1	Measurements	Requirements	Results
Insulation resistance			
Initial	Min = 4.94E+11	Min > 5E+09	OK
Final	Min = 1.41E+11	Min > 1E+09	OK
Dielectric withstanding voltage			
Initial & Final	No flash over or break down		OK

TstGrp 2	Resistance to soldering heat	Results
	No blisters, deformation/warping or physical damage	OK

## TstGrp 2

Resistance to soldering heat



Visual inspection of the samples showed no blister, deformation / warpage or physical damage or any other aspect that can be detrimental for normal function of the product.