



Product Change Notification

TE Connectivity

Product Change Notification: PCN-22-132510

PCN Date: 16-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:

HEADER ASSY, MOD II, UNSHROUDED, COMPLIANT PIN, SINGLE, ROW .100 X .100C/L, WITH .025 SQ POSTS.

Description of Changes

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

Other attachments:

[Test report](#)

Reason for Changes:

PCN Attributes:

Product Category:

Headers

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):

20-MAY-2022

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

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
103336-5	NO						
3-102898-3	NO						
3-103336-3	NO						
4-103336-0	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
102898	3-102898-3		H2	
103336	103336-5		H3	

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Test Report



's-Hertogenbosch Environmental Testing Laboratory (IND)

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

Report Title: AMPMODU II UNSHROUDED HEADER, COMPLIANT PIN

Report ID: 502-153564 rev. A

Date Issued: 27-Jul-2021

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

Requestor: J K, Karthik	
TE Project Number: PRJ-21-000902070	
Sample Name: AMPMODU II Unshrouded Header Compliant Pin	
TE Part number: 6-102898-1 Rev M	
Remarks: Samples returned to requester	

Test Scope: To determine the electrical performance of the AMPMODU II Unshrouded header compliant pin connector produced with new alternate PA66 material, when tested according test group 4 of 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.	
Conclusion: All tested samples met the specified requirement according test group 4 of the TE product specification 108-25026 rev.D.	Result: OK

Lab Project ID (lab internal): E21.06.3193	Responsible Test Engineer: Verhoeven, Ad	Approver: K. Schepers
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SAMPLE DESCRIPTION

Test group 4 consists of 5 samples with P/N: 6-102898-1 Rev. M.

TEST PROCEDURES

EIA 364-18:

VISUAL EXAMINATION:

The test samples were visually inspected under a stereomicroscope, 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:

DIELECTRIC WITHSTANDING VOLTAGE:

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

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:

Method IV.

HUMIDITY/TEMPERATURE CYCLING:

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.

Duration : 10 days.

Test Report



's-Hertogenbosch Environmental Testing Laboratory (IND)

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

TEST SEQUENCE

Test Group 4
visual examination
insulation resistance
dielectric withstanding voltage
thermal shock
humidity/temperature cycling
insulation resistance
dielectric withstanding voltage
final examination

EQUIPMENT USED

<u>Equipment</u>	<u>Manufacturer</u>	<u>Type</u>	<u>Series Nb</u>	<u>Cal. Due</u>
Electro meter 6517A1	Keithley	6517A	1113808	Oct-21
Climatic chamber 65/100	C.T.S.	C-65/100	87130	Jan-22
High voltage tester	Sefelec	RMG12 AC-DC	1842640	Oct-22
Therm.shock chamber	C.T.S.	TSS-70/130	157283	Jan-22

SUMMARY OF TESTRESULTS

Test Group 4	Measurements	Requirements	Results
Insulation resistance			
Initial	Min = 3.75E+10	5E+09	OK
Final	Min = 5.04E+09	1E+09	OK
Dielectric withstanding voltage			
Initial & Final	No flash over or break down		OK