



# Product Change Notification

Current Date: 13-Apr-2021

## TE Connectivity

**Product Change Notification:** P-21-020746

**PCN Date:** 12-APR-21

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

**Location:** Maisach-gernlinden

**Agreement:** TTI001

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:**

Multi-Beam XL/XLE product.

**Description of Changes**

We have received force majeure notices from service providers and raw material suppliers across the U.S due to the extreme weather conditions. To ensure the products supplement during the stage of force majeure resin shortage globally. TE introduces alternative materials but identical product performance.

**Other attachments:**
[MB alternative resin test report](#)
**Reason for Changes:**

Product improvement. Material shortage due to unstable supplement of raw material from resin vendors.

**Estimated Dates:**

<b>Last Order Date</b> (Obsolete Parts Only):	<b>First Date To Ship</b> (Changed Parts Only):
	26-APR-2021
<b>Last Ship Date</b> (Obsolete Parts Only):	<b>Last Date for Mixed Shipments:</b> (Changed Parts Only):
	No Mixed Shipments

**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="#">1-6450160-0</a>	NO		TYC1-6450160-0	"1287814"			
<a href="#">1-6450869-4</a>	NO		TYC1-6450869-4				



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

**Location:** Maisach-gernlinden

**Agreement:** Agreement Unknown

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<a href="#">1-6450869-4</a>	NO		TYC1-6450869-4				

# MBXL/XLE Alternative Resin Testing Report

2021/4/9

Cecily

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# Alternative Resin

	Resin PN	Grade	Material Type	Flame Class	RTI Elec	UL No.
In use	704968-1	ZYTEL HTNFR52G45BL, BLACK BK337, A	PA6T-GF45	V-0	140°	E41938
Alternative	1573428-4	GENESTAR GN2450-1, BLACK BK, A	PA9T-GF45	V-0	150°	E90350
	2136745-1	VICNYL R6145NH, BLACK BK003, A	PA10T-GF45	V-0	155°	E171666

# Dims Inspection---12P + 48S + 12LP

HSG Part number	Alternative Material	Dims Inspection
6450806-7_1	1573428-4	meet product spec
6450806-7_2	2136745-1	meet product spec
6450807-4_1	1573428-4	meet product spec
6450807-4_2	2136745-1	meet product spec
Assy Part number	HSG part number	Dims Inspection
6450840-3_1	6450806-7_1	meet product spec
6450840-3_2	6450806-7_2	meet product spec
6450807-4_1	6450807-4_1	meet product spec
6450807-4_2	6450807-4_2	meet product spec

# Verification Test

Test Requirement					Test Result			
Group	Testing samples	Test Sequence	Test Items	Spec	Max	Min	Average	Pass/Fail
Group1	6450830-4_1 6450830-4_2 6450860-3_1 6450860-3_2	1	Initial examination of product	EIA-364-18	-			Pass
		2	Insulation resistance	EIA-364-21 Signal contacts: 500 megohms minimum High power and low power contacts: 1000 megohms minimum	UOM: 10 <sup>11</sup> Ω			Pass
					35.2	2.31	9.57	
		3	Withstanding voltage	EIA-364-20 1000V DC/AC for signal and low power contact; 2500V DC for high power contact. one minute hold with no breakdown	No breakdown			Pass
		4	Thermal shock	EIA-364-32. Subject mated specimens to 36 cycles between -55 and 125°C.	-			Pass
		5	Humidity-temperature cycling	EIA-364-31. Subject mated specimens to 10 cycles (10 days) between 25 and 65°C at 80 to 100% RH.	-			Pass
		6	Insulation resistance	EIA-364-21 Signal contacts: 500 megohms minimum High power and low power contacts: 1000 megohms minimum	UOM: 10 <sup>11</sup> Ω			Pass
					25.36	2.42	5.60	
		7	Withstanding voltage	EIA-364-20 1000V DC/AC for signal and low power contact; 2500V DC for high power contact. one minute hold with no breakdown	No breakdown			Pass
8	Final examination of product	EIA-364-18	-			Pass		

## Conclusion:

- Dimensions and functions meet product spec.
- Resin 1573428-4 and 2136745-1 both can meet Multi-beam XL/XLE product requirements, and can be used for Multi-beam XL/XLE product as alternative housing materials.

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**ANY  
CONNECTION  
CAN CHANGE  
THE WORLD**

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EVERY CONNECTION COUNTS

