



Product Change Notification

Current Date: 08-Feb-2021

TE Connectivity

Product Change Notification: P-21-020400

PCN Date: 07-FEB-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:
4, 6 pos MCON1.2 LL seal change

Description of Changes
Improve 4 and 6 position connector seal and housing to eliminate the possibility of twisting or shifting the seal from it s original position.
Other attachments:
[4, 6 pos seal change](#)

Reason for Changes:
Product improvement.The project was initiated due to a customer complaint. At one of the application of the 5pos connector , during the mating cycle with the interface , the seal was pressed out from the groove where it was sitting. With this failure the connector lost it s water tight property.

Estimated Dates:

Last Order Date (Obsolete Parts Only):	First Date To Ship (Changed Parts Only):
	01-JUN-2021
Last Ship Date (Obsolete Parts Only):	Last Date for Mixed Shipments: (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
1-1670918-1	NO		TYC1-1670918-1				
1-1718645-1	NO		TYC1-1718645-1				
1-1718646-1	NO						



Product Change Notification

Current Date: 08-Feb-2021

TE Connectivity

Product Change Notification: P-21-020400

PCN Date: 07-FEB-21

Customer: TTI, Inc. (3057778)

Location: Maisach-gernlinden

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).

General Product Description:
4, 6 pos MCON1.2 LL seal change

Description of Changes
Improve 4 and 6 position connector seal and housing to eliminate the possibility of twisting or shifting the seal from it s original position.
Other attachments:
[4, 6 pos seal change](#)

Reason for Changes:
Product improvement.The project was initiated due to a customer complaint. At one of the application of the 5pos connector , during the mating cycle with the interface , the seal was pressed out from the groove where it was sitting. With this failure the connector lost it s water tight property.

Estimated Dates:	
Last Order Date (Obsolete Parts Only):	First Date To Ship (Changed Parts Only):
	01-JUN-2021
Last Ship Date (Obsolete Parts Only):	Last Date for Mixed Shipments: (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
1-1670918-1	NO		TYC1-1670918-1				
1-1718645-1	NO		TYC1-1718645-1				
1-1718646-1	NO						



4, 6pos MCON 1.2 – LL Connector – Seal Design Optimization



EVERY CONNECTION COUNTS



Reason of assesment



Project Discription: Improve 4 and 6position connector seal and housing to eliminate the possibility of twisting or shifting the seal from it's original position.

Reason of assesment: The project was initiated due to a customer complaint. At one of the application of the 5pos connector , during the mating cycle with the interface , the seal was pressed out from the groove where it was sitting. With this failure the connector lost it's water tight property.

Solution: Same modification was implemented for the 5pos connector with promising results. Therefor the basic design elements were copied from the 5pos design, and with slight adjustments these got fitted for the 4 and 6pos connectors as well.

Inner Housing Improvement



Sealing Groove Depth Modified

This gives a better stability for the seal during mating cycle. Also gives the possibility to increase the height of the seal, for better sealing property.

Upper Supporting Wall Increased

Wall raised for better supporting the seal during mating cycle.



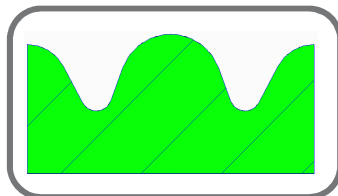
Positioning Grid

Prevents the tilting of the connector during mating cycle, by this elimination the possibility of shifting the seal out of the groove.



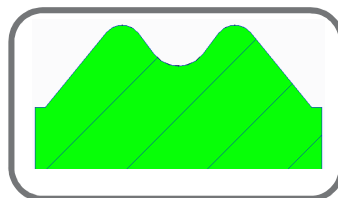
Seal Improvement

1. Old design profile crossection



- 1 rib in middle + 2 half ribs at the side.

2. Improved design profile crossection



- 2 rib design added for the new seal. Seal dimensions improved for tighter and more secure fit on the housing.

