



Product Change Notification

TE Connectivity

Product Change Notification: PCN-23-194260

PCN Date: 06-DEC-23

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:

HVP-HD1000 and HVP-HD14000 Series (PowerTube) Headers

Description of Changes

Dear valued customer, This change notification consists of overall improvements made to HVP-HD1000 and HVP-HD14000 series headers in order to improve long-term product robustness in corrosive environments. The surface treatment of the PowerTube header series will be changed from a nickel plating to passivation and the three lip seal (towards the aggregate) shore hardness increased. With this change TE will also be applying a lubricant to the inside of the mating interface to improve mate-ability with the plug as well. These changes have no negative impact on the overall product performance (e.g. electrical, mechanical, etc.), but rather serve as improvements to increase corrosion resistance. These changes have been validated and details of the validation can be provided at your request. -----As these changes bring noticeable improvements to the overall corrosion resistance, TE will be implementing these changes across all PNs starting in production after 11.03.2024. -----Customers may place orders for the current version of these headers until 23.12.2023. Orders place prior this date will be shipped out between 01.01.2024 and 29.02.2024. Orders received after this date will be shipped out after 11.03.2024 with the new changes implemented. There will be no opportunity to order the current header configuration (nickel plating with 45 SH seal) after 23.12.2023 as TE will start production of the improved parts and also clear inventory. -----No part numbers will be changed as a result. TE is handling this via a PN revision change and the changes can be also tracked per the production batch as well as the date code laser marked on every header. No stock return or replacement requests of currently held stock is necessary, nor is planned. -----Specific Changes: Header Surface Treatment: Nickel Plating -> Passivation Three Lip Seal: Shore Hardness increased from 45 -> 70 Plug interface: Lubricant added -----Applicable for all HVP-HD1000 & HVP-HD1400 series headers.

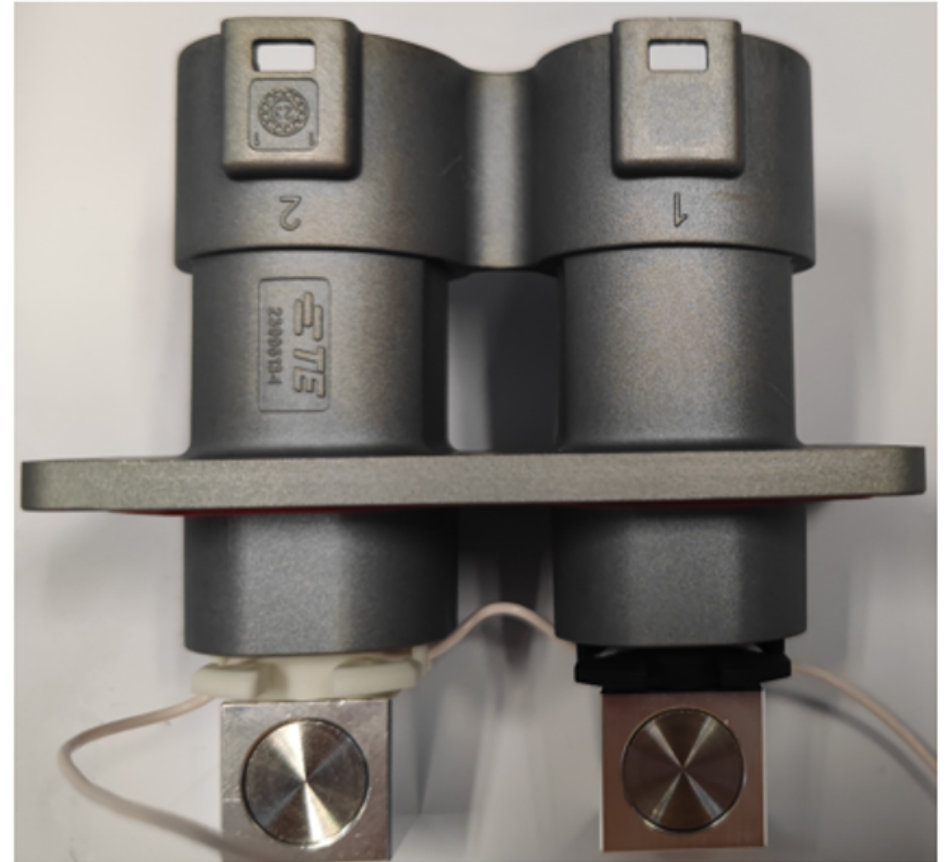
Electroless Ni plating

Electroless Ni plating (Old)



Passivation

Passivation (New)



*A coloration can be seen on passivated parts,
with no performance impact.*

Electroless Ni plating

Passivation

Main improvements :

- Increased sealing shore hardness from 45 to 70 : better corrosion protection of the aggregate side.
- Different surface treatment of die cast housing : better corrosion resistance
- Lubrification of the mating interfaces to improve mating forces
- Improved quality tracking info readability

PL coloration can be seen on passivated parts,
with no performance impact.

This new design has been validated according to VDA 233-102 (8 weeks duration)

Reason for Changes:

Product upgrade to increase corrosion resistance over product lifetime in end customer applications.

PCN Attributes:	
Product Category:	Kind of Change:
Hems Products	Material
Change Feature:	Potential Customer Impact:
Material Change	Risk mitigation
Remarks:	

Estimated Dates:	
Last Order Date (Obsolete Parts Only):	First Ship Date of Changed Items (Changed Parts Only):
23-DEC-2023	11-MAR-2024
Last Ship Date of Changed Items (Obsolete Parts Only):	Last Date for Mixed Shipments: (Changed Parts Only):
29-FEB-2024	No Mixed Shipments
Effectivity Date:	Date of First Samples:
	11-MAR-2024

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
1-2394061-1	NO						
1-2394061-2	NO						
1-2394062-1	NO						
1-2394071-1	NO						
1-2394071-2	NO						
1-2394072-1	NO						
1-2399607-1	NO						
1-2399607-2	NO						
1-2399608-1	NO						
1-2399610-1	NO						
1-2399610-2	NO						
1-2399611-1	NO						
2-2394061-1	NO						
2-2394061-2	NO						
2-2394062-1	NO						
2-2394071-1	NO						
2-2394071-2	NO						
2-2394072-1	NO						
2-2399607-1	NO						

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
2-2399607-2	NO						
2-2399608-1	NO						
2-2399610-1	NO						
2-2399610-2	NO						
2-2399611-1	NO						
2394060-1	NO						
2394060-2	NO						
2394060-3	NO						
2394061-1	NO						
2394061-2	NO						
2394062-1	NO						
2394070-1	NO						
2394070-2	NO						
2394070-3	NO						
2394071-1	NO						
2394071-2	NO						
2394072-1	NO						
2399606-1	NO						
2399606-2	NO						
2399606-3	NO						
2399607-1	NO						
2399607-2	NO						
2399608-1	NO						
2399609-1	NO						
2399609-2	NO						
2399609-3	NO						
2399610-1	NO						
2399610-2	NO						
2399611-1	NO						
4-2394060-1	NO						
4-2394060-2	NO						
4-2394060-3	NO						
4-2394070-1	NO						
4-2394070-2	NO						
4-2394070-3	NO						
4-2399606-1	NO						

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
4-2399606-2	NO						
4-2399606-3	NO						
4-2399609-1	NO						
4-2399609-2	NO						
4-2399609-3	NO						
8-2394060-1	NO						
8-2394060-2	NO						
8-2394060-3	NO						
8-2394070-1	NO						

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
1-2399610-1	NO						
8-2394060-1	NO						
8-2394060-2	NO						

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
1-2399610-1	NO						

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
2-2394061-1	NO						
2-2394071-1	NO						
2-2394071-2	NO						
2-2394072-1	NO						
2-2399607-1	NO						
2-2399607-2	NO						
2-2399608-1	NO						
2-2399610-1	NO						
2-2399610-2	NO						
2-2399611-1	NO						
8-2394060-1	NO						
8-2394060-2	NO						

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
1-2394061-1	NO						
1-2394061-2	NO						

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
1-2394062-1	NO						
1-2394071-1	NO						
1-2394071-2	NO						
1-2394072-1	NO						
1-2399607-1	NO						
1-2399607-2	NO						
1-2399608-1	NO						
1-2399610-1	NO						
1-2399610-2	NO						
1-2399611-1	NO						
2-2394061-1	NO						
2-2394061-2	NO						
2-2394062-1	NO						
2-2394071-1	NO						
2-2394071-2	NO						
2-2394072-1	NO						
2-2399607-1	NO						
2-2399607-2	NO						

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
2-2399608-1	NO						
2-2399610-1	NO						
2-2399610-2	NO						
2-2399611-1	NO						
2394060-1	NO						
2394060-2	NO						
2394060-3	NO						
2394061-1	NO						
2394061-2	NO						
2394062-1	NO						
2394070-1	NO						
2394070-2	NO						
2394070-3	NO						
2394071-1	NO						
2394071-2	NO						
2394072-1	NO						
2399606-1	NO						
2399606-2	NO						
2399606-3	NO						
2399607-1	NO						
2399607-2	NO						
2399608-1	NO						
2399609-1	NO						
2399609-2	NO						
2399609-3	NO						
2399610-1	NO						
2399610-2	NO						
2399611-1	NO						
4-2394060-1	NO						
4-2394060-2	NO						

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
4-2394060-3	NO						
4-2394070-1	NO						
4-2394070-2	NO						
4-2394070-3	NO						
4-2399606-1	NO						
4-2399606-2	NO						
4-2399606-3	NO						
4-2399609-1	NO						
4-2399609-2	NO						
4-2399609-3	NO						
8-2394060-1	NO						
8-2394060-2	NO						
8-2394060-3	NO						
8-2394070-1	NO						