



Product Change Notification

TE Connectivity

Product Change Notification: P-21-021733

PCN Date: 16-NOV-21

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:
CT POST HEADER SMT BOX TYPE ASSY CONNECTOR

Description of Changes
Change the vacuum bag package to bag package without Vacuum
Other attachments:
[Verification report](#)

Reason for Changes:
New specification.Change the vacuum bag package to bag package without Vacuum， detail see report

Estimated Dates:

Last Order Date (Obsolete Parts Only):	First Date To Ship (Changed Parts Only):
	30-NOV-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
1-292173-2	NO						
1-292173-3	NO						
1-292173-4	NO						
1-292173-5	NO						
2-292173-2	NO						
2-292173-3	NO						
2-292173-4	NO						
2-292173-5	NO						
2-292173-6	NO						
2-292173-8	NO						
2-292175-2	NO						
292173-2	NO						
292173-3	NO						
292173-4	NO						
292173-5	NO						
292173-6	NO						
292173-7	NO						
292173-8	NO						
292173-9	NO						
292174-2	NO						
292174-3	NO						
292174-4	NO						
292174-5	NO						
292174-6	NO						
292174-8	NO						
292175-2	NO						
292175-3	NO						
292175-4	NO						
292175-5	NO						
292175-6	NO						
292175-7	NO						
292175-8	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
292175-9	NO						
3-292173-2	NO						
3-292173-3	NO			"1000923-F"			
3-292173-4	NO			"1000919-F"			

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
3-292173-2	NO						
3-292173-3	NO			"1000923-F"			
3-292173-4	NO			"1000919-F"			

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
1-292173-4	NO						
292173-6	NO						
292173-7	NO						
292173-9	NO						
292174-8	NO						
292175-2	NO						
292175-3	NO						
292175-4	NO						
292175-6	NO						
292175-7	NO						
292175-8	NO						
3-292173-2	NO						
3-292173-3	NO			"1000923-F"			
3-292173-4	NO			"1000919-F"			

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
1-292173-4	NO						
292173-6	NO						
292173-7	NO						
292173-9	NO						
292174-8	NO						
292175-2	NO						
292175-3	NO						
292175-4	NO						
292175-6	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
292175-7	NO						
292175-8	NO						
3-292173-2	NO						
3-292173-3	NO			"1000923-F"			
3-292173-4	NO			"1000919-F"			

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
1-292173-2	NO						
1-292173-3	NO						
1-292173-4	NO						
1-292173-5	NO						
2-292173-2	NO						
2-292173-3	NO						
2-292173-4	NO						
2-292173-5	NO						
2-292173-6	NO						
2-292173-8	NO						
2-292175-2	NO						
292173-2	NO						
292173-3	NO						
292173-4	NO						
292173-5	NO						
292173-7	NO						
292173-8	NO						
292174-2	NO						
292174-3	NO						
292174-4	NO						
292174-5	NO						
292174-6	NO						
292175-2	NO						
292175-3	NO						
292175-5	NO						
292175-6	NO						
292175-7	NO						
292175-8	NO						
292175-9	NO						
3-292173-2	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
3-292173-2	NO						
3-292173-3	NO			"1000923-F"			
3-292173-4	NO			"1000919-F"			

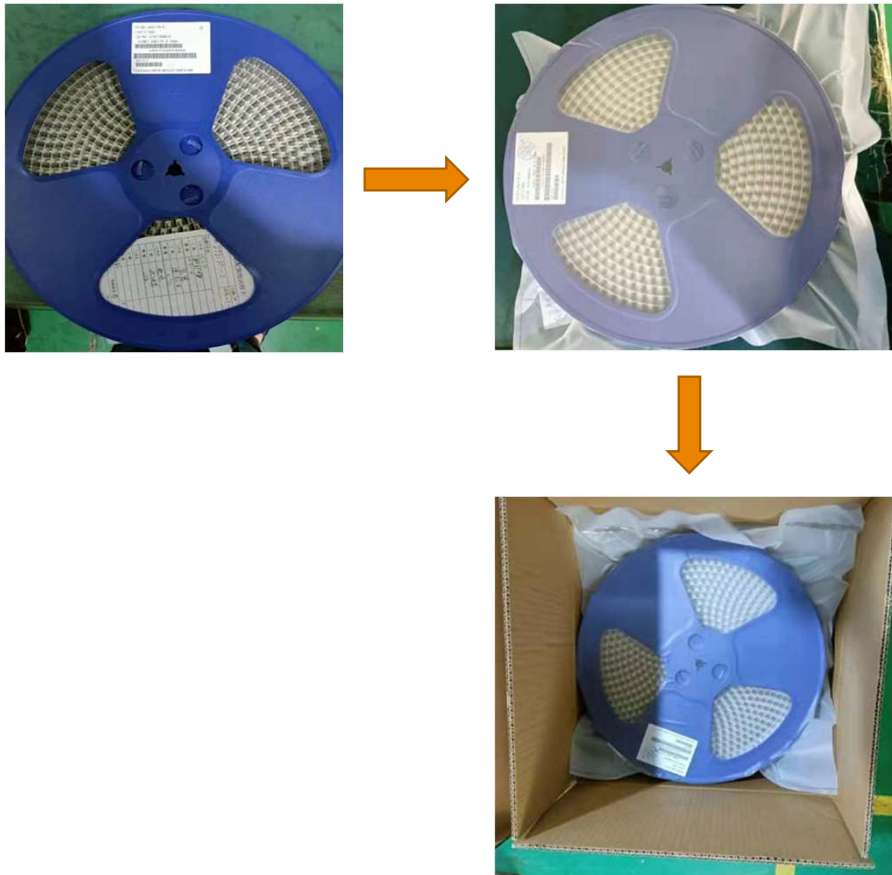
TE CT box packaging change proposal

EVERY CONNECTION COUNTS

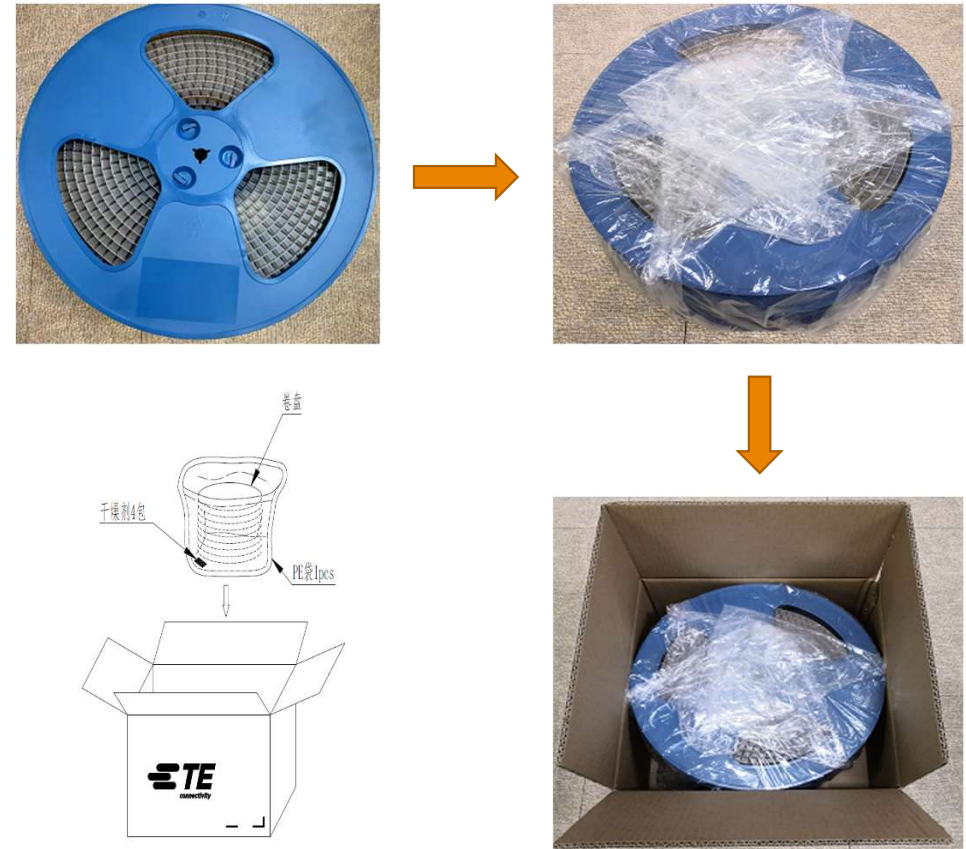


Differences on Packaging Method

Current packaging spec. (before change)



Suggested packaging spec. (after change)





Water Absorption Comparison for Resin

Considering the water absorption discrepancy, the plastic resin has been changed and improved since Jan, 2021. Which the PCN No. is P-21-020356 .

	Original resin material (before change)	Current resin material (after change)
Water absorption rate:	1.90%	0.20%

Current Resin Material Verification



Hsg. with current resin after Temp & Humi cycling test for water absorption verification: No swelling issue on the hsg. after tests.

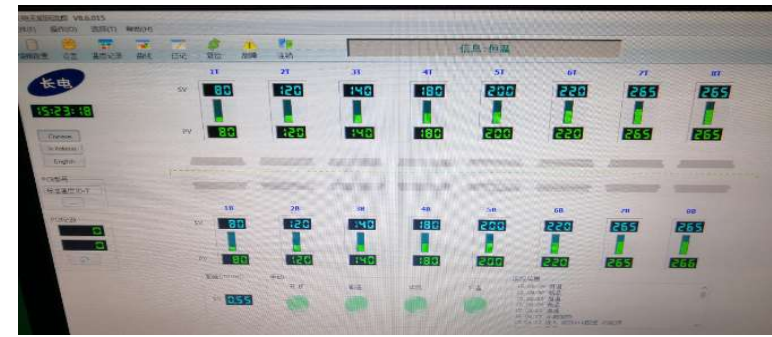
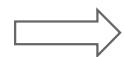


(1) On 14/Sept, 2021, put the housing with current resin into the Temp&Humi cycling tester under below condition:

3.8.3 (11-2)	Temperature Humidity Cycling	After testing, termination resistance (low level) shall be met	Subject mated connector to temperature change between 25°C and 65°C with 95 % (R.H.) for 5 cycles. JIS C 0028
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(3) Since 15/Sept, go through IR reflow each 24H, and checking any swelling issue on the housing after IR reflow. (Sample No. 20pcs every time)
→Continuous 5 days, there's no hsg swelling issue after IR reflow.



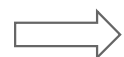
(2) Standard IR reflow curve(parameter): 260°C, 30s.

Hsg before IR Reflow

Hsg after IR Reflow



(4) Balance hsg continued doing the Temp&Humi cycling test till 29/Sept.(continuous 15 days), took out all the balance hsg to do the IR reflow, and found there's still no swelling issue.



Conclusion

Current packaging with vacuum packing was based on the original plastic resin with 1.9% water absorption, while the resin material has been changed now to that with only 0.2% water absorption.

Besides, the rigorous Temp&Humi cycling test has been passed already for current resin.

Above all, we suggest to change the reel packaging to below method (see details in Page 2).

