



# Product Change Notification

Current Date: 24-Mar-2022

## TE Connectivity

**Product Change Notification:** P-22-022395

**PCN Date:** 24-MAR-22

**Customer:** TTI Inc(0000139702)

**Location:** WORLDWIDE

**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:**

Cover Cap 2 posn.

**Description of Changes**

Dear customer, we hereby inform you about a tool replacement of a mould tool for TE component part numbers 880810-1 and 880810-2 (new mould 21-0345151).

**Other attachments:**

[Proposed Product Validation Plan](#)

**Reason for Changes:**

Product improvement.As a result of our continuous strive for Quality improvement of our production, we hereby inform you upfront about a new tool to replace the current one (which is worn out) in order to meet all specification requirements. We also have included on this PCN the proposed DVP (design validation plan) we intend to use to validate this new tool.

**Estimated Dates:**

**Last Order Date** (Obsolete Parts Only):

**First Date To Ship** (Changed Parts Only):

01-FEB-2023

**Last Ship Date** (Obsolete Parts Only):

**Last Date for Mixed Shipments:** (Changed Parts Only):

28-FEB-2023

**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="#">880810-1</a>	NO			"CM8393-000", "AMP-0-0880810-1"			

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

**Location:** Maisach-gernlinden

**Agreement Number:** TTI001

**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="#">880810-1</a>	NO		TYC880810-1	"CM8393-000", "AMP-0-0880810-1"			

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

**Location:** Maisach-gernlinden

**Agreement Number:** Agreement Unknown

**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="#">880810-1</a>	NO		TYC880810-1	"CM8393-000", "AMP-0-0880810-1"			

**Customer:** TTI Inc ( 168830 )

**Location:** Fort Worth

**Agreement Number:** Agreement Unknown

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="#">880810-1</a>	NO			"CM8393-000", "AMP-0-0880810-1"			

Section III: ADV Plan & Report										Part No: 880810-1 / 880810-2									
Reqm't No.	Reqm't Title	Procedure No.	Procedure Title	Reg.	Responsibility	Evaluation			Planned Timing		Actual Timing		Part Type	ECL	Perf. Status	Comment & Test Report No. Report No.			
						Type	Method	Qty	Start (dd-Mmm-yy)	Compl. (dd-Mmm-yy)	Start (dd-Mmm-yy)	Compl. (dd-Mmm-yy)							
<b>Leg1</b>																			
	Visual inspection	USCAR-2 revision 7 5.1.8	Inspect for defects or non-functionality. Visually examine each test specimen prior to testing and/or conditioning, noting in detail any obvious manufacturing or material defects such as cracks, tarnishing, flash, etc. When specified in the test request/order, take photographs and/or video recordings of representative samples to be tested and keep a properly labeled control sample. After testing and/or conditioning, re-examine each test sample and note in detail any observable changes, such as swelling, corrosion, discoloration, contact plating wear, physical distortions, cracks, loss of mechanical function evident, etc. Compare the tested and/or conditioned samples to the control samples, the videos, and/or the photographs, recording any differences in the test report. For CUTs subjected to Test Sequence Q (5.9.7), swelling of cable and seals is permissible within the limits of that specific material specification.		Supplier	PV	I	1 sample each fluid	12-Aug-22	9-Nov-22									
	Fluid Resistance	USCAR-2 revision 7 5.6.4	1. CUT must include all applicable wedges (TPAs, PLRs, etc.), seals, etc. Number each mated connector pair. 2. Completely submerge sample for 30 minutes in fluids, stabilized at the temperatures shown in Table 5.6.4.3. A fresh sample is to be used for each fluid. 3. At the conclusion of the submersion period, remove the sample from the fluid. Do NOT shake off any excess fluid. Use care not to splash any fluid on unintended surfaces. Leave the samples "wet" and store them in a suitable container or area at lab ambient temperature for 7 days. Do not allow samples submersed in different fluids to touch each other and do not allow any dissimilar fluid drippings to intermingle. 4. At the conclusion of the storage period, samples may be dried sufficiently to allow inspection and to avoid contamination of test apparatus. 5. At the conclusion of the test, measure the CUT/TUT as required per appropriate test sequencing table.		Supplier	PV	T	1 sample each fluid	12-Aug-22	9-Nov-22						Test on both PNs 880810-1 and 881810-2			
	Visual inspection	USCAR-2 revision 7 5.1.8	Inspect for defects or non-functionality. Visually examine each test specimen prior to testing and/or conditioning, noting in detail any obvious manufacturing or material defects such as cracks, tarnishing, flash, etc. When specified in the test request/order, take photographs and/or video recordings of representative samples to be tested and keep a properly labeled control sample. After testing and/or conditioning, re-examine each test sample and note in detail any observable changes, such as swelling, corrosion, discoloration, contact plating wear, physical distortions, cracks, loss of mechanical function evident, etc. Compare the tested and/or conditioned samples to the control samples, the videos, and/or the photographs, recording any differences in the test report. For CUTs subjected to Test Sequence Q (5.9.7), swelling of cable and seals is permissible within the limits of that specific material specification.		Supplier	PV	I	1 sample each fluid	12-Aug-22	9-Nov-22									
<b>Leg2</b>																			
	Visual inspection	USCAR-2 revision 7 5.1.8	Inspect for defects or non-functionality. Visually examine each test specimen prior to testing and/or conditioning, noting in detail any obvious manufacturing or material defects such as cracks, tarnishing, flash, etc. When specified in the test request/order, take photographs and/or video recordings of representative samples to be tested and keep a properly labeled control sample. After testing and/or conditioning, re-examine each test sample and note in detail any observable changes, such as swelling, corrosion, discoloration, contact plating wear, physical distortions, cracks, loss of mechanical function evident, etc. Compare the tested and/or conditioned samples to the control samples, the videos, and/or the photographs, recording any differences in the test report. For CUTs subjected to Test Sequence Q (5.9.7), swelling of cable and seals is permissible within the limits of that specific material specification.		Supplier	PV	I	10 each version	12-Aug-22	9-Nov-22									
	Extraction Force		Comparative extraction force: GR 1 version A1: samples from new tooling 880810-1 x version B1: samples from current tooling 880810-1 GR 2 version A2: samples from new tooling 880810-2 x version B2: samples from current tooling 880810-2		Supplier	PV	T	10 each version	12-Aug-22	9-Nov-22						HSG ASSY FOR TESTING TE PN 2425741			
	Visual inspection	USCAR-2 revision 7 5.1.8	Inspect for defects or non-functionality. Visually examine each test specimen prior to testing and/or conditioning, noting in detail any obvious manufacturing or material defects such as cracks, tarnishing, flash, etc. When specified in the test request/order, take photographs and/or video recordings of representative samples to be tested and keep a properly labeled control sample. After testing and/or conditioning, re-examine each test sample and note in detail any observable changes, such as swelling, corrosion, discoloration, contact plating wear, physical distortions, cracks, loss of mechanical function evident, etc. Compare the tested and/or conditioned samples to the control samples, the videos, and/or the photographs, recording any differences in the test report. For CUTs subjected to Test Sequence Q (5.9.7), swelling of cable and seals is permissible within the limits of that specific material specification.		Supplier	PV	I	10 each version	12-Aug-22	9-Nov-22									
<b>Leg 3</b>																			
	Visual inspection	USCAR-2 revision 7 5.1.8	Inspect for defects or non-functionality. Visually examine each test specimen prior to testing and/or conditioning, noting in detail any obvious manufacturing or material defects such as cracks, tarnishing, flash, etc. When specified in the test request/order, take photographs and/or video recordings of representative samples to be tested and keep a properly labeled control sample. After testing and/or conditioning, re-examine each test sample and note in detail any observable changes, such as swelling, corrosion, discoloration, contact plating wear, physical distortions, cracks, loss of mechanical function evident, etc. Compare the tested and/or conditioned samples to the control samples, the videos, and/or the photographs, recording any differences in the test report. For CUTs subjected to Test Sequence Q (5.9.7), swelling of cable and seals is permissible within the limits of that specific material specification.		Supplier	PV	I	10 each version	12-Aug-22	9-Nov-22									
	High Temperature Exposure	USCAR-2 revision 7 5.6.3	1. CUT must include all applicable wedges (TPAs, PLRs, etc.), seals, etc. Number each mated connector pair. 2. Determine the temperature class for the intended application of the connector system from Table 5.1.4.1. Then set the temperature chamber to the maximum ambient temperature for that class. Allow the chamber to stabilize before proceeding. 3. Place the samples in the chamber, set to the maximum ambient temperature, so that there is no substantial obstruction to air flow across and around the samples, and the samples are not touching each other. Leave the samples in the chamber for 1008 hours. 4. At the conclusion of the test, measure the CUT/TUT as required per appropriate test sequencing table.		Supplier	PV	T	10 each version	12-Aug-22	9-Nov-22						Temperature Class: T2			
	Extraction Force		Comparative extraction force: GR 1 version A1: samples from new tooling 880810-1 x version B1: samples from current tooling 880810-1 GR 2 version A2: samples from new tooling 880810-2 x version B2: samples from current tooling 880810-2		Supplier	PV	T	10 each version	12-Aug-22	9-Nov-22						HSG ASSY FOR TESTING TE PN 2425741			
	Visual inspection	USCAR-2 revision 7 5.1.8	Inspect for defects or non-functionality. Visually examine each test specimen prior to testing and/or conditioning, noting in detail any obvious manufacturing or material defects such as cracks, tarnishing, flash, etc. When specified in the test request/order, take photographs and/or video recordings of representative samples to be tested and keep a properly labeled control sample. After testing and/or conditioning, re-examine each test sample and note in detail any observable changes, such as swelling, corrosion, discoloration, contact plating wear, physical distortions, cracks, loss of mechanical function evident, etc. Compare the tested and/or conditioned samples to the control samples, the videos, and/or the photographs, recording any differences in the test report. For CUTs subjected to Test Sequence Q (5.9.7), swelling of cable and seals is permissible within the limits of that specific material specification.		Supplier	PV	I	10 each version	12-Aug-22	9-Nov-22									

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Section III: ADV Plan & Report										Part No: 880810-1 / 880810-2									
Reqm't No.	Reqm't Title	Procedure No.	Procedure Title	Reg.	Responsibility	Evaluation			Planned Timing		Actual Timing		Part Type	ECL	Perf. Status	Comment & Test Report No. Report No.			
						Type	Method	Qty	Start (dd-Mmm-yy)	Compl. (dd-Mmm-yy)	Start (dd-Mmm-yy)	Compl. (dd-Mmm-yy)							
<b>Leg 4</b>																			
	Visual inspection	USCAR-2 revision 7 5.1.8	Inspect for defects or non-functionality. Visually examine each test specimen prior to testing and/or conditioning, noting in detail any obvious manufacturing or material defects such as cracks, tarnishing, flash, etc. When specified in the test request/order, take photographs and/or video recordings of representative samples to be tested and keep a properly labeled control sample. After testing and/or conditioning, re-examine each test sample and note in detail any observable changes, such as swelling, corrosion, discoloration, contact plating wear, physical distortions, cracks, loss of mechanical function evident, etc. Compare the tested and/or conditioned samples to the control samples, the videos, and/or the photographs, recording any differences in the test report. For CUTs subjected to Test Sequence Q (5.9.7), swelling of cable and seals is permissible within the limits of that specific material specification.		Supplier	PV	I	10 each version	12-Aug-22	9-Nov-22									
	Thermal Shock	USCAR-2 revision 7 5.6.1	1. Number each mated connector pair. 2. Determine the temperature class for the intended application of the connector system from Table 5.1.4.1. Set the cold soak chamber temperature to the minimum ambient temperature for that class. Set the hot soak chamber to the maximum ambient temperature for the temperature class selected. Allow the chambers to stabilize. 3. Place the samples in the cold soak chamber so that there is no substantial obstruction to air flow across and around the samples and the samples are not touching each other. 4. Allow the samples to cold soak for 30 minutes. 5. Transfer samples from the cold to hot chamber in less than 30 seconds. (Automated equipment that moves CUT from cold to hot chambers is acceptable.) 6. Allow the samples to heat soak for 30 minutes. 7. Transfer the samples from the hot soak chamber to the cold soak chamber. 8. Repeat steps 4, 5, 6, and 7 99 more times.		Supplier	PV	T	10 each version	12-Aug-22	9-Nov-22						Temperature Class: T2			
	Extraction Force		Comparative extraction force: GR 1 version A1: samples from new tooling 880810-1 x version B1: samples from current tooling 880810-1 GR 2 version A2: samples from new tooling 880810-2 x version B2: samples from current tooling 880810-2		Supplier	PV	T	10 each version	12-Aug-22	9-Nov-22						HSG ASSY FOR TESTING TE PN 2425741			
	Visual inspection	USCAR-2 revision 7 5.1.8	Inspect for defects or non-functionality. Visually examine each test specimen prior to testing and/or conditioning, noting in detail any obvious manufacturing or material defects such as cracks, tarnishing, flash, etc. When specified in the test request/order, take photographs and/or video recordings of representative samples to be tested and keep a properly labeled control sample. After testing and/or conditioning, re-examine each test sample and note in detail any observable changes, such as swelling, corrosion, discoloration, contact plating wear, physical distortions, cracks, loss of mechanical function evident, etc. Compare the tested and/or conditioned samples to the control samples, the videos, and/or the photographs, recording any differences in the test report. For CUTs subjected to Test Sequence Q (5.9.7), swelling of cable and seals is permissible within the limits of that specific material specification.		Supplier	PV	I	10 each version	12-Aug-22	9-Nov-22									
<b>Leg 5</b>																			
	Visual inspection	USCAR-2 revision 7 5.1.8	Inspect for defects or non-functionality. Visually examine each test specimen prior to testing and/or conditioning, noting in detail any obvious manufacturing or material defects such as cracks, tarnishing, flash, etc. When specified in the test request/order, take photographs and/or video recordings of representative samples to be tested and keep a properly labeled control sample. After testing and/or conditioning, re-examine each test sample and note in detail any observable changes, such as swelling, corrosion, discoloration, contact plating wear, physical distortions, cracks, loss of mechanical function evident, etc. Compare the tested and/or conditioned samples to the control samples, the videos, and/or the photographs, recording any differences in the test report. For CUTs subjected to Test Sequence Q (5.9.7), swelling of cable and seals is permissible within the limits of that specific material specification.		Supplier	PV	I	10 each version	12-Aug-22	9-Nov-22									
	Temperature/Humidity Cycling	USCAR-2 revision 7 5.6.2	1. CUT must include all applicable wedges (TPAs, PLRs, etc.), Seals, etc. Number each mated connector pair. 2. Place the samples in the chamber so that there is no substantial obstruction to air flow across and around the samples, and the samples are not touching each other. 3. Determine the temperature class for the intended application of the connector system from Table 5.1.4.1. Then set the Temperature chamber to the temperature for that class. Allow the chamber to stabilize before proceeding. 4. Subject samples to 40 times per the blue-shaded cycling schedule shown in Figure 5.6.2.3. Extended transition times may be used as long as the dwell times at temperature are maintained. The cycle begins with the sample at -40 °C and un-controlled relative humidity. Completion of the schedule shown in Figure 5.6.2.3 constitutes one cycle. Use the maximum ambient temperature for hours 5 through 7, as determined from Table 5.1.4.1 in step 6 above. 5. At the conclusion of the test, measure the CUT/TUT as required per appropriate test sequencing table.		Supplier	PV	T	10 each version	12-Aug-22	9-Nov-22									
	Extraction Force		Comparative extraction force: GR 1 version A1: samples from new tooling 880810-1 x version B1: samples from current tooling 880810-1 GR 2 version A2: samples from new tooling 880810-2 x version B2: samples from current tooling 880810-2		Supplier	PV	T	10 each version	12-Aug-22	9-Nov-22						HSG ASSY FOR TESTING TE PN 2425741			
	Visual inspection	USCAR-2 revision 7 5.1.8	Inspect for defects or non-functionality. Visually examine each test specimen prior to testing and/or conditioning, noting in detail any obvious manufacturing or material defects such as cracks, tarnishing, flash, etc. When specified in the test request/order, take photographs and/or video recordings of representative samples to be tested and keep a properly labeled control sample. After testing and/or conditioning, re-examine each test sample and note in detail any observable changes, such as swelling, corrosion, discoloration, contact plating wear, physical distortions, cracks, loss of mechanical function evident, etc. Compare the tested and/or conditioned samples to the control samples, the videos, and/or the photographs, recording any differences in the test report. For CUTs subjected to Test Sequence Q (5.9.7), swelling of cable and seals is permissible within the limits of that specific material specification.		Supplier	PV	I	10 each version	12-Aug-22	9-Nov-22									

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