



Product Change Notification

Current Date: 07-Mar-2016

TE Connectivity

Product Change Notification: P-16-012681

PCN Date: 03-MAR-16

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:

AMPSEAL Sealed connector Series

Description of Changes

Dear Customer, as a result of our continuous strive for improving our product line, TE will be changing the material currently used on the Dispense In Place (DIP) seal on the header flange.

Current DIP seal

New DIP seal

Other attachments:

[PV Plan](#)

Reason for Changes:	
Product improvement.The new material will allow a higher and more consistent bead height and width to ensure a consistent seal to the customers application. PV testing of the new material was completed to ensure the product line continues to function as intended. The current material is black and the new material will be opaque.	
Estimated Dates:	
Last Order Date (Obsolete Parts Only):	First Date To Ship (Changed Parts Only):
	30-JUN-2016
Last Ship Date (Obsolete Parts Only):	Last Date for Mixed Shipments: (Changed Parts Only):
	No Mixed Shipments

The documents listed below are being modified. Related parts that are not explicitly listed on this PCN are not being modified or discontinued as per the PCN. The Last Order Date, Last Ship Date, First Date to Ship Changed Parts and last date for Mixed Shipments apply only to parts explicitly listed on this PCN.

Note: This PCN contains only document changes, these changes do not affect the form, fit or function of the parts referenced.

Customer Drawing(s) Being Modified:

Drawing Number	Related Part Number	Customer Part Number	Current Revision	New Revision
776087	1-776087-1, 776087-1	4268659	E10	
776163	776163-1, 1-776163-4, 1-776163-1, 1-776163-2	TYC1-776163-1	J7	
776228	1-776228-1, 1-776228-4		C12	
776231	776231-1, 776231-2, 1-776231-1	TYC1-776231-1	A10	
776262	776262-1, 1-776262-1	TYC776262-1	A8	
776267	1-776267-1	TYC1-776267-1	B7	
776276	1-776276-1		B8	
776280	776280-1, 1-776280-1	TYC776280-1	F7	

Customer: TTI Inc.(1305175)

Location: Maisach-Gernlinden

Agreement Number: TTI001

The documents listed below are being modified. Related parts that are not explicitly listed on this PCN are not being modified or discontinued as per the PCN. The Last Order Date, Last Ship Date, First Date to Ship Changed Parts and last date for Mixed Shipments apply only to parts explicitly listed on this PCN.

Customer Drawing(s) Being Modified:

Drawing Number	Related Part Number	Customer Part Number	Current Revision	New Revision
776087	1-776087-1	4268659, TYC1-776087-1	E10	
776163	1-776163-1	TYC1-776163-1	J7	
776228	1-776228-4		C12	
776231	1-776231-1	TYC1-776231-1	A10	
776262	776262-1	TYC776262-1	A8	
776267	1-776267-1	TYC1-776267-1	B7	
776276	1-776276-1		B8	
776280	776280-1	TYC776280-1	F7	

Customer: TTI Inc(168830)

Location: Fort Worth

Agreement Number: Agreement Unknown

The documents listed below are being modified. Related parts that are not explicitly listed on this PCN are not being modified or discontinued as per the PCN. The Last Order Date, Last Ship Date, First Date to Ship Changed Parts and last date for Mixed Shipments apply only to parts explicitly listed on this PCN.

Customer Drawing(s) Being Modified:

Drawing Number	Related Part Number	Customer Part Number	Current Revision	New Revision
776163	1-776163-4		J7	
776231	1-776231-1		A10	

Customer: TTI (OR)(2922319)

Location: Beaverton

Agreement Number: Agreement Unknown

The documents listed below are being modified. Related parts that are not explicitly listed on this PCN are not being modified or discontinued as per the PCN. The Last Order Date, Last Ship Date, First Date to Ship Changed Parts and last date for Mixed Shipments apply only to parts explicitly listed on this PCN.

Customer Drawing(s) Being Modified:

Drawing Number	Related Part Number	Customer Part Number	Current Revision	New Revision
776087	1-776087-1	4268659	E10	

Customer: TTI Electronics Asia Pte Ltd.(2771300)

Location: SINGAPORE

Agreement Number: Agreement Unknown

The documents listed below are being modified. Related parts that are not explicitly listed on this PCN are not being modified or discontinued as per the PCN. The Last Order Date, Last Ship Date, First Date to Ship Changed Parts and last date for Mixed Shipments apply only to parts explicitly listed on this PCN.

Customer Drawing(s) Being Modified:

Drawing Number	Related Part Number	Customer Part Number	Current Revision	New Revision
776087	776087-1		E10	
776163	776163-1		J7	
776231	776231-1		A10	
776280	776280-1		F7	

Customer: TTI Electronics Asia Pte Ltd.(2771300)

Location: SINGAPORE

Agreement Number: Agreement Unknown

The documents listed below are being modified. Related parts that are not explicitly listed on this PCN are not being modified or discontinued as per the PCN. The Last Order Date, Last Ship Date, First Date to Ship Changed Parts and last date for Mixed Shipments apply only to parts explicitly listed on this PCN.

Customer Drawing(s) Being Modified:

Drawing Number	Related Part Number	Customer Part Number	Current Revision	New Revision
776087	776087-1		E10	
776163	776163-1		J7	
776231	776231-1		A10	
776280	776280-1		F7	

Customer: Mateleco Trappes(493094)

Location: Trappes Cedex

Agreement Number: Agreement Unknown

The documents listed below are being modified. Related parts that are not explicitly listed on this PCN are not being modified or discontinued as per the PCN. The Last Order Date, Last Ship Date, First Date to Ship Changed Parts and last date for Mixed Shipments apply only to parts explicitly listed on this PCN.

Customer Drawing(s) Being Modified:

Drawing Number	Related Part Number	Customer Part Number	Current Revision	New Revision
776163	1-776163-2		J7	
776231	776231-2		A10	

Customer: TTI Inc(1281288)

Location: Fort Worth

Agreement Number: TTI002

The documents listed below are being modified. Related parts that are not explicitly listed on this PCN are not being modified or discontinued as per the PCN. The Last Order Date, Last Ship Date, First Date to Ship Changed Parts and last date for Mixed Shipments apply only to parts explicitly listed on this PCN.

Customer Drawing(s) Being Modified:

Drawing Number	Related Part Number	Customer Part Number	Current Revision	New Revision
776087	1-776087-1	4268659	E10	
776163	1-776163-1		J7	
776228	1-776228-1		C12	
776231	1-776231-1		A10	
776262	1-776262-1		A8	
776267	1-776267-1		B7	
776276	1-776276-1		B8	
776280	1-776280-1		F7	

		Product Verification Plan and Report					PVP Number			Dept# 9599						
							Plan Date 28-Dec-15			Plan Originator D Strausser						
Component AMPSEAL Sealed Connector Series		P/N 1-776163-1		UPG Number		Concurrence			Manager Approval D. Klein							
Model Year		Applications		Source		Report Date 1/20/2016			Reporting Engineer D Strausser							
TEST PLAN							TEST REPORT							NOTES		
Item No.	Procedure or Standard	Test Description	Acceptance Criteria	Target Requirements	Test Responsibility	Test Stage	Sample		Timing		Samples Tested				Actual Results	Corrective and/or preventive actions
							Qty	Type	Start	Compl	Qty	Type	Phase			
SEQUENCE 1. ENVIRONMENT - THERMAL CYCLING W/ SUBMERSION																
1	EIA 364-18	Visual	Visually examine each test sample, noting manufacturing or material defects	100%		CC	2	E	1/13/2016	1/13/2016	2	E		Passed	Test 20160023ACS	
2	EIA 364-32F	Thermal Shock (Temp Cycling)	Conditioning	100%		CC	2	E	1/13/2016	1/17/2016	2	E		NA	Method A, Condition VIII, 1hour soak, A-2 duration	
3	USCAR2-6	Submersion	No leakage	100%		CC	2	E	1/19/2016	1/19/2016	2	E		Passed	Temp class T-2	
4	EIA 364-18	Visual	Visually examine each test sample, noting manufacturing or material defects	100%		CC	2	E	1/19/2016	1/19/2016	2	E		Passed		
SEQUENCE 2. ENVIRONMENTAL - PRESSURE, HEAT AGE, HIGH PRESSURE SPRAY																
1	EIA 364-18	Visual	Visually examine each test sample, noting manufacturing or material defects	100%		CC	2	E	10/21/2015	10/21/2015	2	E		Passed	Test 20150657ACS	
2		Pressure Test	No bubbles	100%		CC	2	E	10/21/2015	10/21/2015	2	E		Passed	Test to 5psi and 10 psi	
3		Heat Age	Conditioning	100%		CC	2	E	10/21/2015	10/26/2015	2	E		NA	155°C for 100 hours	
4		Pressure Test	No bubbles	100%		CC	2	E	10/26/2015	10/26/2015	2	E		Passed	Test to 5psi and 10 psi	
5	DIN 40050	IPX9K	No ingress of water	100%		CC	2	E	10/26/2015	10/26/2015	2	E		Passed		
6	EIA 364-18	Visual	Visually examine each test sample, noting manufacturing or material defects	100%		CC	2	E	10/26/2015	10/26/2015	2	E		Passed		

		Product Verification Plan and Report					PVP Number				Dept# 9599					
Component		AMPSEAL Sealed Connector Series			P/N 1-776163-1		UPG Number		Plan Date 28-Dec-15				Plan Originator D Strausser			
Model Year		Applications			Source		Report Date		1/20/2016				Concurrence Manager Approval D. Klein			
													Reporting Engineer D Strausser			
TEST PLAN										TEST REPORT						NOTES
Item No.	Procedure or Standard	Test Description	Acceptance Criteria	Target Requirements	Test Responsibility	Test Stage	Sample		Timing		Samples Tested			Actual Results	Corrective and/or preventive actions	
							Qty	Type	Start	Compl	Qty	Type	Phase			
SEQUENCE 3. CHEMICAL EXPOSURE																
1	EIA 364-18	Visual	Visually examine each test sample, noting manufacturing or material defects	100%		CC	12	B	12/21/2015	12/21/2015	3	B		Passed		Test 20150766ACS
2	ISO 16750-5	Chemical Exposure	Functional Status Class A per ISO 16750-1	NA		CC	12	B	12/21/2015	12/22/2015	3	B		Passed No peeling or deredation of the gasket material do to chemical exposure		Application method V, Test Temp 23±5°C Diesel fuel Unleaded gasoline Engine oil Differential oil Teansmission fluid Battery fluid Brake fluid Antifreeze Urea Washer fluid Ammonia based cleaner Denatured alcohol
3	EIA 364-18	Visual	Visually examine each test sample, noting manufacturing or material defects	100%		CC	3	B	12/22/2015	12/22/2015	3	B		Passed		

REVISED BY	REVISION DATE	COMMENTS
D STRAUSSER	28-Dec-15	INITIAL RELEASE
D STRAUSSER	20-Jan-16	Testing complete