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### *PPAP Package for:*

**Customer Name: Newark Electronics**  
**Customer Part Number: 55W5072**  
**(TE Connectivity Part Number): 770520-3**  
**Date: October 2020**

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## **Nondisclosure Agreement**

If a nondisclosure agreement has been reached with your company, it will be included on the following page(s). Please review the terms of this agreement to ensure that further actions associated with information contained within this PPAP package do not violate these terms.

If a nondisclosure agreement HAS NOT been reached, certain documents deemed confidential by TE Connectivity will not be included in this PPAP package. These documents include but are not limited to the Design FMEA, the Process Flow Diagram, the Process FMEA and the Control Plan. These documents can be reviewed by you company but cannot be retained.

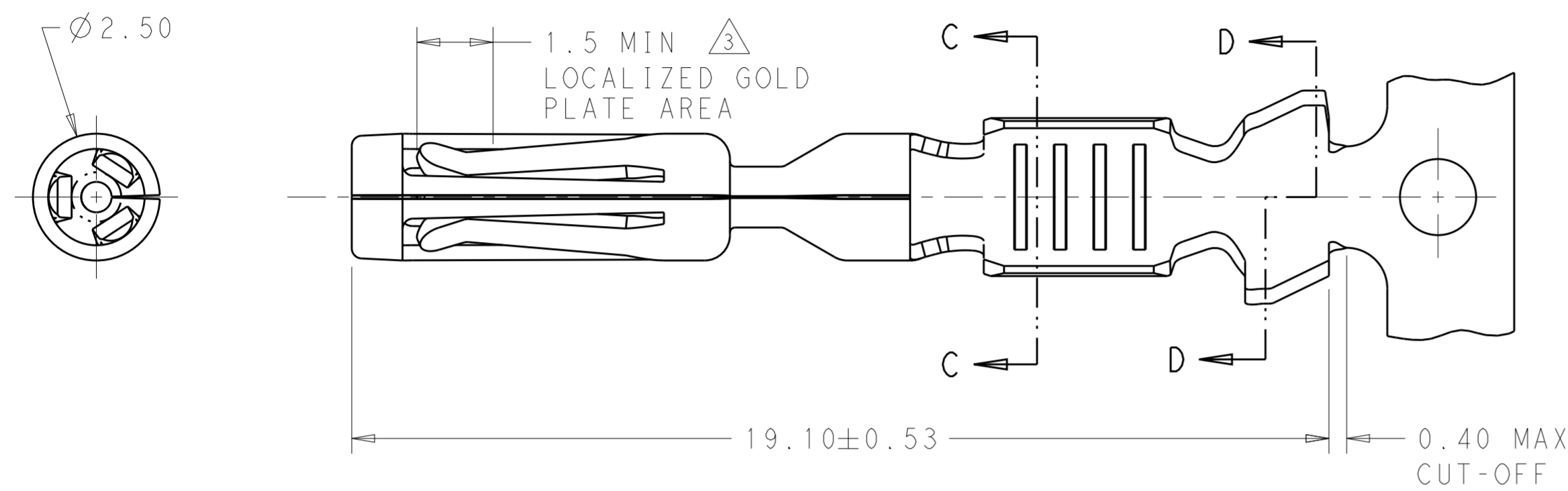


# Section 1

# Design Records

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REVISIONS				
P	LTR	DESCRIPTION	DATE	APVD
D8		ECO-18-013654	28AUG2018	DS DS
E		ECO-18-014102	05SEP2018	DS DS
E1		ECO-18-019700	17DEC2018	DS DS
E2		ECO-19-014688	21NOV2019	DS DS



1. THE WIRE SIZES QUALIFIED FOR THIS TERMINAL ARE LISTED BELOW SHOWING THE AWG SIZE AND THE METRIC EQUIVALENT

- 20AWG - 0.5mm<sup>2</sup>
- 18AWG - 0.8mm<sup>2</sup>
- 16AWG - 1.0mm<sup>2</sup>

THE TERMINAL HAS ALSO BEEN QUALIFIED TO THE SPECIFIC METRIC WIRE SIZES LISTED BELOW

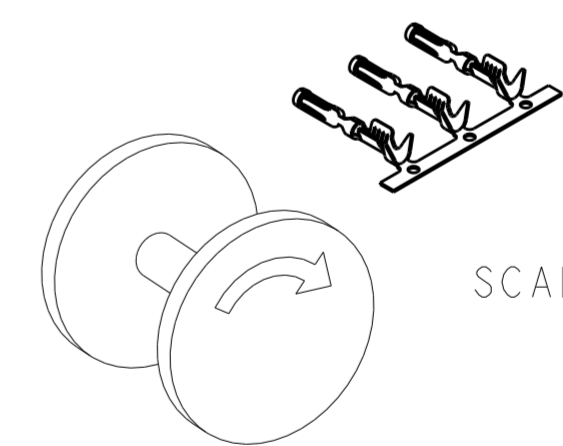
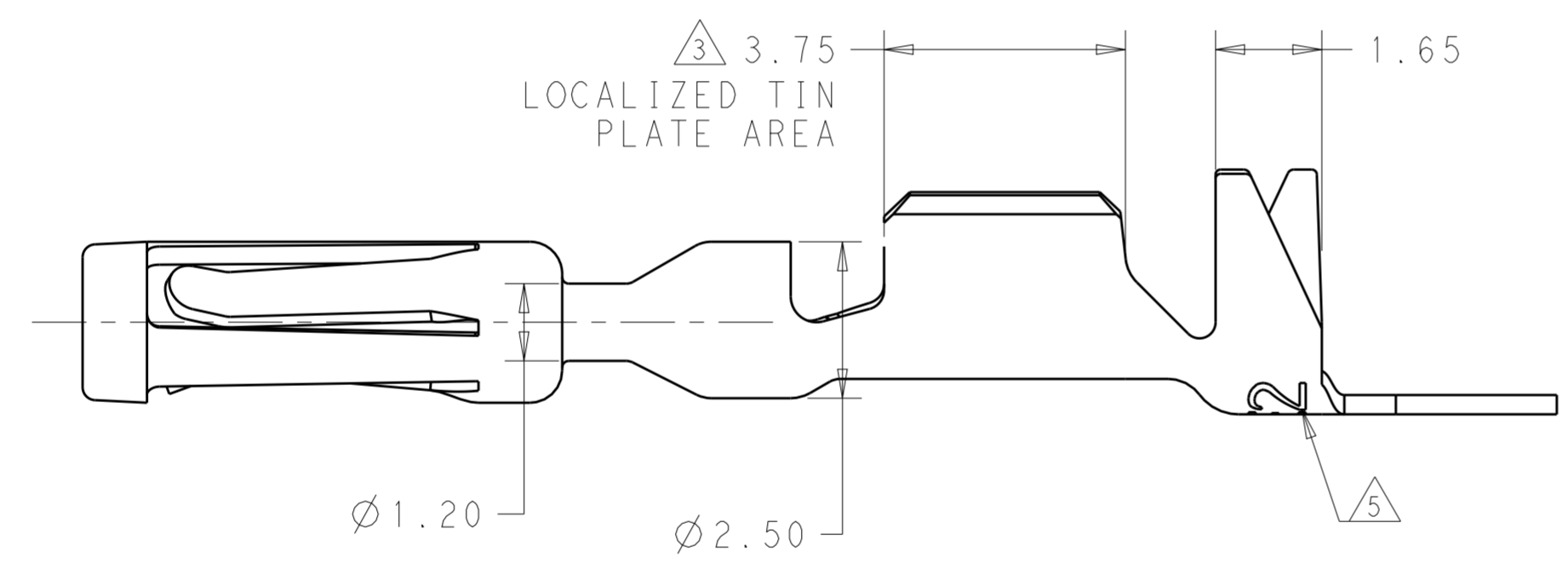
- 1.0mm<sup>2</sup>FLRY
- 1.5mm<sup>2</sup>FLRY

2. INSULATION RANGE: 1.70-2.70.

3. .00075 MIN GOLD IN THE LOCALIZED GOLD PLATE AREA, .0025 MIN MATTE TIN IN THE LOCALIZED TIN PLATE AREA OVER .00125 MIN NICKEL OVER ENTIRE CONTACT.

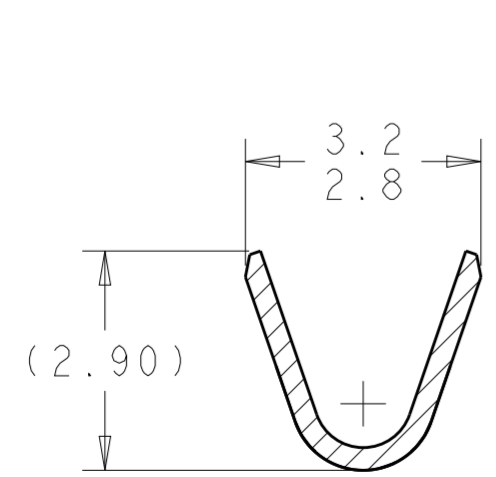
4. USED WITH AMPSEAL PLUG ASSEMBLY: 776286, 776273, 770680, 776164

5. DIE IDENTIFIER, T275 AND TE2, LOCATED IN THIS AREA.

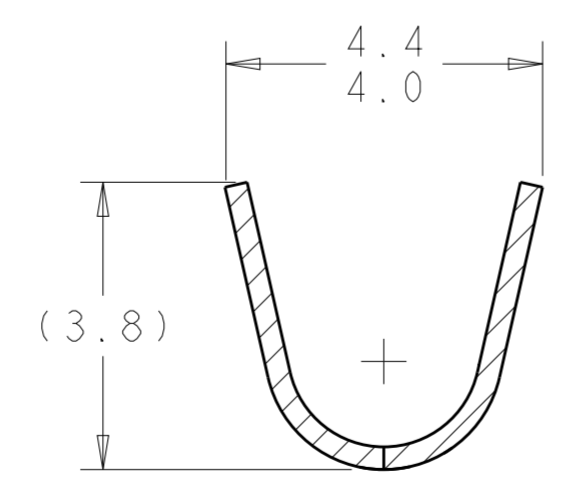


SCALE 1:1

FIGURE 1  
FINAL PAYOUT DIRECTION



SECTION C-C  
ROTATED 90° CW



SECTION D-D  
ROTATED 90° CW

770854-3	GOLD 3	0.30 COPPER ALLOY	770520-3
770854-1	PRE-TIN	0.30 COPPER ALLOY	770520-1
LOOSE PIECE	FINISH	MATERIAL	PART NUMBER

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN R. VESTAL 19 JUN 2012	TE Connectivity	
DIMENSIONS: mm		CHK D. STRAUSSER 19 JUN 2012		
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APVD D. STRAUSSER 19 JUN 2012	NAME CONTACT, AMPSEAL	
0 PLC ±		PRODUCT SPEC 108-1329	SIZE CAGE CODE DRAWING NO RESTRICTED TO	
1 PLC ±		APPLICATION SPEC 114-16016	A200779 C-770520	
2 PLC ±0.15		WEIGHT -	SCALE 10:1 SHEET 1 OF 1 REV E2	
3 PLC ±		CUSTOMER DRAWING		
4 PLC ±				
ANGLES ±				
FINISH SEE TABLE				



## **Section 2**

# **Engineering Change Documents**



# Product Change Notification

Current Date: 26-Feb-2020

## TE Connectivity

Product Change Notification: P-20-018730

PCN Date: 25-FEB-20

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:

Multiple Part numbers. Phase 4. Americas Footprint Optimization

### Description of Changes

We hereby inform you about a transfer of stamping dies from Burgess Rd. to further improve our Supply Chain towards our customers. The transfer follows a strict procedure, which fully maintains quality, ability to supply and form-fit-function of the concerned products. The receiving manufacturing location operates under a certified quality management system in accordance with standard automotive requirements. These moves will be validated not to affect product fit, form and function, tool geometry, quality performance or the quality management system TE will uphold our responsibility to internally validate and approve these tools among appropriate first article dimensional and capability analysis, comparative 2-sample T-tests before and after moves, before and after CT scans where needed, and PV testing as defined by TE product engineering. TE is willing to provide any such validation data to our customers as our joint non-disclosure agreement statuses allow.

### Reason for Changes:

Product improvement. These changes are part of an overall effort from TE to improve our supply chain toward our customers, to focus each plant on core products and processes, and to provide an overall better experience from TE to our customer base. An internal release test based on the relevant part will be executed before delivery and this notification serves to fulfill our notification requirements as prescribed by AIAG 4th edition. This change notification document accompanies a letter sent to your organization on September 13, 2019 signed by our Vice President of Sales and Marketing. Follow up conversations can occur upon request with your sales contact within 15 calendar days after receipt of this PCN. If you have any questions or needs from this move, please contact your sales engineer within 15 days of receipt of this letter. If no response is received on this period, TE will consider this as an approval and tools must move to the new locations.

### Estimated Dates:

<b>Last Order Date</b> (Obsolete Parts Only):	<b>First Date To Ship</b> (Changed Parts Only):
	30-SEP-2020
<b>Last Ship Date</b> (Obsolete Parts Only):	<b>Last Date for Mixed Shipments:</b> (Changed Parts Only):
	No Mixed Shipments

### Part Number(s) being Modified:

Part Number	Part Discontinued per PCN	Customer Drawing	Alias Part Number(s)	Substitute Part Number	Substitute Alias Part Number(s)	Description Of Difference
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<a href="#">1-1326032-0</a>	NO					
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<a href="#">1-1438243-1</a>	NO		"105277"			
<a href="#">1-1438299-0</a>	NO					
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<a href="#">1-1456841-3</a>	NO					
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Part Number	Part Discontinued per PCN	Customer Drawing	Alias Part Number(s)	Substitute Part Number	Substitute Alias Part Number(s)	Description Of Difference
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Part Number	Part Discontinued per PCN	Customer Drawing	Alias Part Number(s)	Substitute Part Number	Substitute Alias Part Number(s)	Description Of Difference
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<a href="#">1557840-1</a>	NO					
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<a href="#">1557841-2</a>	NO					
<a href="#">1557842-1</a>	NO					
<a href="#">1557856-3</a>	NO					
<a href="#">1557873-1</a>	NO					
<a href="#">1557874-1</a>	NO					
<a href="#">1557881-1</a>	NO					
<a href="#">1557881-2</a>	NO					
<a href="#">1557881-3</a>	NO					
<a href="#">1557884-2</a>	NO					
<a href="#">1557884-4</a>	NO					
<a href="#">1557884-5</a>	NO					
<a href="#">1557885-2</a>	NO					
<a href="#">1557885-4</a>	NO					
<a href="#">1557885-5</a>	NO					
<a href="#">1557888-3</a>	NO					
<a href="#">1557889-2</a>	NO					
<a href="#">1557889-3</a>	NO					
<a href="#">1557890-2</a>	NO					
<a href="#">1557890-3</a>	NO					
<a href="#">1557892-1</a>	NO					
<a href="#">1557892-2</a>	NO					
<a href="#">1557893-1</a>	NO					
<a href="#">1557893-3</a>	NO					
<a href="#">1557899-1</a>	NO					
<a href="#">1557915-1</a>	NO					
<a href="#">1557918-1</a>	NO					
<a href="#">1557918-2</a>	NO					
<a href="#">1557918-3</a>	NO					
<a href="#">1557921-1</a>	NO					
<a href="#">1557922-1</a>	NO					
<a href="#">1557949-1</a>	NO					
<a href="#">1557954-4</a>	NO					
<a href="#">1557961-3</a>	NO					
<a href="#">1557961-4</a>	NO					
<a href="#">1587255-1</a>	NO					
<a href="#">1587270-5</a>	NO					
<a href="#">1587299-1</a>	NO					
<a href="#">1587723-1</a>	NO					
<a href="#">1587723-2</a>	NO					
<a href="#">1587723-3</a>	NO					
<a href="#">1587836-2</a>	NO					
<a href="#">1587902-1</a>	NO					
<a href="#">1587902-2</a>	NO					
<a href="#">1587902-8</a>	NO					
<a href="#">1587902-9</a>	NO					
<a href="#">1642348-1</a>	NO					
<a href="#">1642678-2</a>	NO					
<a href="#">1642718-3</a>	NO					

Part Number	Part Discontinued per PCN	Customer Drawing	Alias Part Number(s)	Substitute Part Number	Substitute Alias Part Number(s)	Description Of Difference
<a href="#">1642782-4</a>	NO					
<a href="#">1642899-6</a>	NO					
<a href="#">1642980-1</a>	NO					
<a href="#">1670144-1</a>	NO					
<a href="#">1670144-3</a>	NO					
<a href="#">1670146-1</a>	NO					
<a href="#">1670146-3</a>	NO					
<a href="#">1719957-1</a>	NO					
<a href="#">1732377-1</a>	NO					
<a href="#">1732377-2</a>	NO					
<a href="#">1732443-4</a>	NO					
<a href="#">1732466-7</a>	NO					
<a href="#">1732467-9</a>	NO					
<a href="#">1732513-3</a>	NO					
<a href="#">1732560-4</a>	NO					
<a href="#">1732611-2</a>	NO					
<a href="#">1732611-3</a>	NO					
<a href="#">1732623-2</a>	NO					
<a href="#">1732630-1</a>	NO					
<a href="#">1732630-2</a>	NO					
<a href="#">1732649-5</a>	NO					
<a href="#">1732725-1</a>	NO					
<a href="#">1732753-2</a>	NO					
<a href="#">1732766-1</a>	NO					
<a href="#">1732766-2</a>	NO					
<a href="#">1732911-1</a>	NO					
<a href="#">1732911-2</a>	NO					
<a href="#">1732959-1</a>	NO					
<a href="#">1732960-1</a>	NO					
<a href="#">1732992-3</a>	NO					
<a href="#">173631-1</a>	NO					
<a href="#">173681-1</a>	NO					
<a href="#">173682-1</a>	NO		"0-0173682-1"			
<a href="#">173858-1</a>	NO					
<a href="#">173860-1</a>	NO					
<a href="#">173862-1</a>	NO					
<a href="#">173864-1</a>	NO					
<a href="#">174051-2</a>	NO					
<a href="#">174051-4</a>	NO					
<a href="#">174055-2</a>	NO					
<a href="#">174912-2</a>	NO					
<a href="#">174971-2</a>	NO					
<a href="#">174975-2</a>	NO					
<a href="#">174979-2</a>	NO					
<a href="#">175180-1</a>	NO					
<a href="#">175265-1</a>	NO					
<a href="#">175269-1</a>	NO		"0-0175269-1"			
<a href="#">175269-2</a>	NO					
<a href="#">175448-6</a>	NO					
<a href="#">175506-2</a>	NO					
<a href="#">175521-6</a>	NO					
<a href="#">175571-2</a>	NO					
<a href="#">175571-6</a>	NO					
<a href="#">175615-2</a>	NO					
<a href="#">175973-2</a>	NO					
<a href="#">175974-2</a>	NO					
<a href="#">175975-2</a>	NO					
<a href="#">179686-6</a>	NO					
<a href="#">1832173-3</a>	NO					
<a href="#">1832180-3</a>	NO					
<a href="#">1832181-4</a>	NO					
<a href="#">1832379-1</a>	NO					
<a href="#">1832379-2</a>	NO					
<a href="#">1832379-3</a>	NO					
<a href="#">1832379-4</a>	NO					

Part Number	Part Discontinued per PCN	Customer Drawing	Alias Part Number(s)	Substitute Part Number	Substitute Alias Part Number(s)	Description Of Difference
<a href="#">1832379-5</a>	NO					
<a href="#">1832382-3</a>	NO					
<a href="#">1832489-1</a>	NO					
<a href="#">1832712-3</a>	NO					
<a href="#">1832915-5</a>	NO					
<a href="#">1832926-6</a>	NO					
<a href="#">184095-1</a>	NO		"8202606755"			
<a href="#">184095-2</a>	NO		"EM3605-000", "AMP-0-0184095-2"			
<a href="#">184373-1</a>	NO					
<a href="#">184373-2</a>	NO					
<a href="#">1924229-1</a>	NO					
<a href="#">1924229-2</a>	NO					
<a href="#">1924229-3</a>	NO					
<a href="#">1924230-1</a>	NO					
<a href="#">1924237-2</a>	NO					
<a href="#">1924241-1</a>	NO					
<a href="#">1924275-1</a>	NO					
<a href="#">1924275-2</a>	NO					
<a href="#">1924275-3</a>	NO					
<a href="#">1924275-4</a>	NO					
<a href="#">1924275-5</a>	NO					
<a href="#">1924275-6</a>	NO					
<a href="#">1924275-7</a>	NO					
<a href="#">1924275-8</a>	NO					
<a href="#">1924464-1</a>	NO		"EG9742-000", "AMP-0-1924464-1"			
<a href="#">1924464-2</a>	NO					
<a href="#">1924579-1</a>	NO					
<a href="#">1924579-3</a>	NO					
<a href="#">1924580-1</a>	NO					
<a href="#">1924580-2</a>	NO					
<a href="#">1924674-9</a>	NO					
<a href="#">1924675-1</a>	NO					
<a href="#">1924675-4</a>	NO					
<a href="#">1924678-1</a>	NO					
<a href="#">1924678-3</a>	NO					
<a href="#">1924683-1</a>	NO					
<a href="#">1924684-1</a>	NO					
<a href="#">1924685-1</a>	NO					
<a href="#">1924689-1</a>	NO					
<a href="#">1924727-1</a>	NO					
<a href="#">1924727-2</a>	NO					
<a href="#">1924727-3</a>	NO					
<a href="#">1924727-4</a>	NO					
<a href="#">1924782-1</a>	NO					
<a href="#">1924782-2</a>	NO					
<a href="#">1924782-3</a>	NO					
<a href="#">1924879-1</a>	NO					
<a href="#">1924879-2</a>	NO					
<a href="#">1924880-1</a>	NO					
<a href="#">1924887-1</a>	NO					
<a href="#">1924955-1</a>	NO					
<a href="#">1924955-2</a>	NO					
<a href="#">1924955-3</a>	NO					
<a href="#">1924955-4</a>	NO					
<a href="#">1924955-5</a>	NO					
<a href="#">1924955-6</a>	NO					
<a href="#">1924955-7</a>	NO					
<a href="#">1924955-8</a>	NO					
<a href="#">1924968-1</a>	NO					
<a href="#">1924968-2</a>	NO					
<a href="#">1924968-3</a>	NO					
<a href="#">1924968-4</a>	NO					
<a href="#">1924968-5</a>	NO					
<a href="#">1924968-6</a>	NO					
<a href="#">1924968-7</a>	NO					

Part Number	Part Discontinued per PCN	Customer Drawing	Alias Part Number(s)	Substitute Part Number	Substitute Alias Part Number(s)	Description Of Difference
<a href="#">1924968-8</a>	NO					
<a href="#">2-1393366-2</a>	NO					
<a href="#">2-1393367-2</a>	NO					
<a href="#">2-1419158-3</a>	NO					
<a href="#">2-1419158-5</a>	NO					
<a href="#">2-1437856-0</a>	NO		"107462A"			
<a href="#">2-1438640-1</a>	NO					
<a href="#">2-1438640-2</a>	NO					
<a href="#">2-1438640-3</a>	NO					
<a href="#">2-1438640-4</a>	NO					
<a href="#">2-184464-2</a>	NO					
<a href="#">2-1924675-1</a>	NO					
<a href="#">2-1924675-2</a>	NO					
<a href="#">2-2203830-2</a>	NO					
<a href="#">2-638611-6</a>	NO					
<a href="#">2-638623-1</a>	NO					
<a href="#">2-963964-4</a>	NO					
<a href="#">2035124-1</a>	NO					
<a href="#">2035170-1</a>	NO					
<a href="#">2035170-2</a>	NO					
<a href="#">2035170-3</a>	NO					
<a href="#">2035170-4</a>	NO					
<a href="#">2035170-5</a>	NO					
<a href="#">2035170-8</a>	NO					
<a href="#">2035334-1</a>	NO					
<a href="#">2035334-2</a>	NO					
<a href="#">2035334-3</a>	NO					
<a href="#">2035334-4</a>	NO					
<a href="#">2035334-5</a>	NO					
<a href="#">2035334-6</a>	NO					
<a href="#">2035334-7</a>	NO					
<a href="#">2035334-8</a>	NO					
<a href="#">2035448-1</a>	NO					
<a href="#">2035448-2</a>	NO					
<a href="#">2035448-3</a>	NO					
<a href="#">2035448-5</a>	NO					
<a href="#">2035448-6</a>	NO					
<a href="#">2035448-7</a>	NO					
<a href="#">2098165-1</a>	NO					
<a href="#">2098250-1</a>	NO					
<a href="#">2098250-3</a>	NO					
<a href="#">2098253-1</a>	NO					
<a href="#">2098253-2</a>	NO					
<a href="#">2098583-2</a>	NO					
<a href="#">2098583-4</a>	NO					
<a href="#">2098753-1</a>	NO					
<a href="#">2098753-2</a>	NO					
<a href="#">2098753-3</a>	NO					
<a href="#">2098753-4</a>	NO					
<a href="#">2098753-6</a>	NO					
<a href="#">2098753-7</a>	NO					
<a href="#">2098753-8</a>	NO					
<a href="#">2098835-1</a>	NO					
<a href="#">2103119-2</a>	NO					
<a href="#">2103183-1</a>	NO					
<a href="#">2103353-1</a>	NO					
<a href="#">2103742-2</a>	NO					
<a href="#">2103742-3</a>	NO					
<a href="#">2103743-2</a>	NO					
<a href="#">2103743-3</a>	NO					
<a href="#">212862-1</a>	NO					
<a href="#">212862-2</a>	NO					
<a href="#">213087-1</a>	NO					
<a href="#">2137021-1</a>	NO					
<a href="#">2137021-2</a>	NO					

Part Number	Part Discontinued per PCN	Customer Drawing	Alias Part Number(s)	Substitute Part Number	Substitute Alias Part Number(s)	Description Of Difference
<a href="#">2137021-3</a>	NO					
<a href="#">2137021-4</a>	NO					
<a href="#">2137021-5</a>	NO					
<a href="#">2137021-6</a>	NO					
<a href="#">2137021-7</a>	NO					
<a href="#">2137021-8</a>	NO					
<a href="#">2137022-1</a>	NO					
<a href="#">2137022-2</a>	NO					
<a href="#">2137023-1</a>	NO					
<a href="#">2137023-2</a>	NO					
<a href="#">2138089-1</a>	NO					
<a href="#">2138161-1</a>	NO					
<a href="#">2138161-2</a>	NO					
<a href="#">2138161-3</a>	NO					
<a href="#">2138177-1</a>	NO					
<a href="#">2138260-1</a>	NO					
<a href="#">2138519-2</a>	NO					
<a href="#">2138519-4</a>	NO					
<a href="#">2138525-1</a>	NO					
<a href="#">2138604-1</a>	NO					
<a href="#">2138699-1</a>	NO					
<a href="#">2138699-2</a>	NO					
<a href="#">2138699-3</a>	NO					
<a href="#">2138699-4</a>	NO					
<a href="#">2141970-1</a>	NO					
<a href="#">2141970-3</a>	NO					
<a href="#">2174100-2</a>	NO					
<a href="#">2203232-2</a>	NO					
<a href="#">2203232-6</a>	NO					
<a href="#">2203242-1</a>	NO					
<a href="#">2203242-2</a>	NO					
<a href="#">2203259-2</a>	NO					
<a href="#">2203259-3</a>	NO					
<a href="#">2203260-4</a>	NO					
<a href="#">2203260-8</a>	NO					
<a href="#">2203270-4</a>	NO					
<a href="#">2203270-6</a>	NO					
<a href="#">2203270-8</a>	NO					
<a href="#">2229486-2</a>	NO					
<a href="#">2237207-1</a>	NO					
<a href="#">2237207-2</a>	NO					
<a href="#">2247078-1</a>	NO					
<a href="#">2247092-1</a>	NO					
<a href="#">2247219-1</a>	NO					
<a href="#">2247220-1</a>	NO					
<a href="#">2247397-1</a>	NO					
<a href="#">2247694-1</a>	NO					
<a href="#">2272033-1</a>	NO					
<a href="#">2272406-1</a>	NO					
<a href="#">2272406-2</a>	NO					
<a href="#">2272434-1</a>	NO					
<a href="#">2288241-1</a>	NO					
<a href="#">2288242-1</a>	NO					
<a href="#">2288244-1</a>	NO					
<a href="#">2288244-2</a>	NO					
<a href="#">2292790-1</a>	NO					
<a href="#">2294285-1</a>	NO					
<a href="#">2294285-2</a>	NO					
<a href="#">2294374-1</a>	NO					
<a href="#">2294374-2</a>	NO					
<a href="#">2296721-1</a>	NO					
<a href="#">2297066-1</a>	NO					
<a href="#">2302174-1</a>	NO					
<a href="#">2302174-3</a>	NO					
<a href="#">2303546-1</a>	NO					

Part Number	Part Discontinued per PCN	Customer Drawing	Alias Part Number(s)	Substitute Part Number	Substitute Alias Part Number(s)	Description Of Difference
<a href="#">2304852-2</a>	NO					
<a href="#">2304852-3</a>	NO					
<a href="#">2304852-4</a>	NO					
<a href="#">2304852-5</a>	NO					
<a href="#">2305342-5</a>	NO					
<a href="#">2306271-1</a>	NO					
<a href="#">2306762-1</a>	NO					
<a href="#">2307223-1</a>	NO					
<a href="#">2307235-1</a>	NO					
<a href="#">2307265-2</a>	NO					
<a href="#">2307265-3</a>	NO					
<a href="#">2307265-4</a>	NO					
<a href="#">2307412-1</a>	NO					
<a href="#">2307438-1</a>	NO					
<a href="#">2307452-1</a>	NO					
<a href="#">2307452-2</a>	NO					
<a href="#">2307452-3</a>	NO					
<a href="#">2307452-4</a>	NO					
<a href="#">2307467-1</a>	NO					
<a href="#">2307467-2</a>	NO					
<a href="#">2307467-3</a>	NO					
<a href="#">2307656-1</a>	NO					
<a href="#">2307656-2</a>	NO					
<a href="#">2309248-1</a>	NO					
<a href="#">2309269-1</a>	NO					
<a href="#">2309271-1</a>	NO					
<a href="#">2309275-1</a>	NO					
<a href="#">2309487-1</a>	NO					
<a href="#">2309489-1</a>	NO					
<a href="#">2309489-2</a>	NO					
<a href="#">2309490-1</a>	NO					
<a href="#">2309490-2</a>	NO					
<a href="#">2309491-1</a>	NO					
<a href="#">2309491-2</a>	NO					
<a href="#">2309720-2</a>	NO					
<a href="#">2309720-3</a>	NO					
<a href="#">2310207-1</a>	NO					
<a href="#">2310239-1</a>	NO					
<a href="#">2310242-1</a>	NO					
<a href="#">2310242-2</a>	NO					
<a href="#">2310293-1</a>	NO					
<a href="#">2311562-1</a>	NO					
<a href="#">2311562-2</a>	NO					
<a href="#">2311565-1</a>	NO					
<a href="#">2311566-1</a>	NO					
<a href="#">2312100-1</a>	NO					
<a href="#">2312100-2</a>	NO					
<a href="#">2312100-3</a>	NO					
<a href="#">2312100-4</a>	NO					
<a href="#">2312100-6</a>	NO					
<a href="#">2312102-1</a>	NO					
<a href="#">2312102-3</a>	NO					
<a href="#">2312102-4</a>	NO					
<a href="#">2312105-1</a>	NO					
<a href="#">2312164-1</a>	NO					
<a href="#">2312453-5</a>	NO					
<a href="#">2312454-4</a>	NO					
<a href="#">2312458-5</a>	NO					
<a href="#">2312459-5</a>	NO					
<a href="#">2312460-6</a>	NO					
<a href="#">2312464-3</a>	NO					
<a href="#">2312465-5</a>	NO					
<a href="#">2312466-2</a>	NO					
<a href="#">2312469-3</a>	NO					
<a href="#">2312475-4</a>	NO					



Part Number	Part Discontinued per PCN	Customer Drawing	Alias Part Number(s)	Substitute Part Number	Substitute Alias Part Number(s)	Description Of Difference
<a href="#">2312476-3</a>	NO					
<a href="#">2312477-2</a>	NO					
<a href="#">2312480-6</a>	NO					
<a href="#">2312481-6</a>	NO					
<a href="#">2312482-2</a>	NO					
<a href="#">2312648-1</a>	NO					
<a href="#">2314208-1</a>	NO					
<a href="#">2314244-1</a>	NO					
<a href="#">2314244-2</a>	NO					
<a href="#">2314245-1</a>	NO					
<a href="#">2314245-2</a>	NO					
<a href="#">2314248-1</a>	NO					
<a href="#">2314566-4</a>	NO					
<a href="#">2314566-5</a>	NO					
<a href="#">2315264-1</a>	NO					
<a href="#">2315264-2</a>	NO					
<a href="#">2315265-1</a>	NO					
<a href="#">2315265-2</a>	NO					
<a href="#">2316001-2</a>	NO					
<a href="#">2316512-1</a>	NO					
<a href="#">2316555-1</a>	NO					
<a href="#">2316765-3</a>	NO					
<a href="#">2316999-1</a>	NO					
<a href="#">2316999-2</a>	NO					
<a href="#">2317356-1</a>	NO					
<a href="#">2317356-2</a>	NO					
<a href="#">2317367-1</a>	NO					
<a href="#">2317367-2</a>	NO					
<a href="#">2317944-2</a>	NO					
<a href="#">2317944-3</a>	NO					
<a href="#">2317944-4</a>	NO					
<a href="#">2318040-1</a>	NO					
<a href="#">2318225-1</a>	NO					
<a href="#">2318725-1</a>	NO					
<a href="#">2318732-3</a>	NO					
<a href="#">2319104-3</a>	NO					
<a href="#">2319104-4</a>	NO					
<a href="#">2320454-2</a>	NO					
<a href="#">2321027-1</a>	NO					
<a href="#">2321028-1</a>	NO					
<a href="#">2321256-1</a>	NO					
<a href="#">2321259-1</a>	NO					
<a href="#">2321262-1</a>	NO					
<a href="#">2321265-2</a>	NO					
<a href="#">2321265-4</a>	NO					
<a href="#">2321266-1</a>	NO					
<a href="#">2321266-2</a>	NO					
<a href="#">2321273-1</a>	NO					
<a href="#">2321392-1</a>	NO					
<a href="#">2321392-2</a>	NO					
<a href="#">2321392-3</a>	NO					
<a href="#">2321393-1</a>	NO					
<a href="#">2321393-2</a>	NO					
<a href="#">2321393-3</a>	NO					
<a href="#">2321396-2</a>	NO					
<a href="#">2321497-1</a>	NO					
<a href="#">2321498-2</a>	NO					
<a href="#">2321501-2</a>	NO					
<a href="#">2321511-3</a>	NO					
<a href="#">2321513-2</a>	NO					
<a href="#">2321697-2</a>	NO					
<a href="#">2321699-2</a>	NO					
<a href="#">2321702-2</a>	NO					
<a href="#">2321703-1</a>	NO					
<a href="#">2321703-2</a>	NO					

Part Number	Part Discontinued per PCN	Customer Drawing	Alias Part Number(s)	Substitute Part Number	Substitute Alias Part Number(s)	Description Of Difference
<a href="#">2321704-3</a>	NO					
<a href="#">2321769-2</a>	NO					
<a href="#">2321769-4</a>	NO					
<a href="#">2321819-3</a>	NO					
<a href="#">2321825-3</a>	NO					
<a href="#">2321844-2</a>	NO					
<a href="#">2321845-3</a>	NO					
<a href="#">2321856-4</a>	NO					
<a href="#">2321857-4</a>	NO					
<a href="#">2321860-2</a>	NO					
<a href="#">2321860-3</a>	NO					
<a href="#">2321862-3</a>	NO					
<a href="#">2321868-2</a>	NO					
<a href="#">2321868-3</a>	NO					
<a href="#">2321869-2</a>	NO					
<a href="#">2321871-1</a>	NO					
<a href="#">2321871-2</a>	NO					
<a href="#">2321875-2</a>	NO					
<a href="#">2322615-1</a>	NO					
<a href="#">2322615-2</a>	NO					
<a href="#">2322616-1</a>	NO					
<a href="#">2322616-2</a>	NO					
<a href="#">2322617-2</a>	NO					
<a href="#">2323660-1</a>	NO					
<a href="#">2323661-1</a>	NO					
<a href="#">2323997-2</a>	NO					
<a href="#">2323997-3</a>	NO					
<a href="#">2324557-2</a>	NO					
<a href="#">2324558-1</a>	NO					
<a href="#">2324559-1</a>	NO					
<a href="#">2324560-1</a>	NO					
<a href="#">2324561-2</a>	NO					
<a href="#">2324627-1</a>	NO					
<a href="#">2324627-2</a>	NO					
<a href="#">2324768-1</a>	NO					
<a href="#">2325176-1</a>	NO					
<a href="#">2325177-1</a>	NO					
<a href="#">2325383-1</a>	NO					
<a href="#">2325425-1</a>	NO					
<a href="#">2325428-1</a>	NO					
<a href="#">2325429-2</a>	NO					
<a href="#">2325430-1</a>	NO					
<a href="#">2325434-1</a>	NO					
<a href="#">2325435-1</a>	NO					
<a href="#">2325436-1</a>	NO					
<a href="#">2325441-2</a>	NO					
<a href="#">2325442-2</a>	NO					
<a href="#">2325446-2</a>	NO					
<a href="#">2325447-1</a>	NO					
<a href="#">2325452-2</a>	NO					
<a href="#">2325453-2</a>	NO					
<a href="#">2325456-1</a>	NO					
<a href="#">2325457-2</a>	NO					
<a href="#">2325613-1</a>	NO					
<a href="#">2325613-2</a>	NO					
<a href="#">2325614-1</a>	NO					
<a href="#">2325614-2</a>	NO					
<a href="#">2325925-1</a>	NO					
<a href="#">2327443-1</a>	NO					
<a href="#">2327904-1</a>	NO					
<a href="#">2327904-2</a>	NO					
<a href="#">2329141-4</a>	NO					
<a href="#">2329155-2</a>	NO					
<a href="#">2329155-3</a>	NO					
<a href="#">2329193-1</a>	NO					

Part Number	Part Discontinued per PCN	Customer Drawing	Alias Part Number(s)	Substitute Part Number	Substitute Alias Part Number(s)	Description Of Difference
<a href="#">2331584-1</a>	NO					
<a href="#">2331584-2</a>	NO					
<a href="#">2331585-1</a>	NO					
<a href="#">2331585-2</a>	NO					
<a href="#">2331586-1</a>	NO					
<a href="#">2331586-2</a>	NO					
<a href="#">2331587-1</a>	NO					
<a href="#">2331587-2</a>	NO					
<a href="#">2332133-1</a>	NO					
<a href="#">2332200-6</a>	NO					
<a href="#">2332200-7</a>	NO					
<a href="#">2333671-1</a>	NO					
<a href="#">2333674-1</a>	NO					
<a href="#">2333675-1</a>	NO					
<a href="#">2334706-1</a>	NO					
<a href="#">2335239-1</a>	NO					
<a href="#">2335903-1</a>	NO					
<a href="#">2337244-1</a>	NO					
<a href="#">2338965-1</a>	NO					
<a href="#">2340018-2</a>	NO					
<a href="#">2340329-1</a>	NO					
<a href="#">2344914-1</a>	NO					
<a href="#">2344915-1</a>	NO					
<a href="#">2344918-1</a>	NO					
<a href="#">2344919-1</a>	NO					
<a href="#">2345511-1</a>	NO					
<a href="#">2345583-2</a>	NO					
<a href="#">2345585-3</a>	NO					
<a href="#">2348242-1</a>	NO					
<a href="#">2348633-1</a>	NO					
<a href="#">2349552-1</a>	NO					
<a href="#">2349574-1</a>	NO					
<a href="#">2350122-1</a>	NO					
<a href="#">2350125-1</a>	NO					
<a href="#">2350129-1</a>	NO					
<a href="#">2350525-1</a>	NO					
<a href="#">2350528-1</a>	NO					
<a href="#">2351439-1</a>	NO					
<a href="#">2351440-1</a>	NO					
<a href="#">2351564-1</a>	NO					
<a href="#">2351708-1</a>	NO					
<a href="#">2351709-1</a>	NO					
<a href="#">2840368-2</a>	NO					
<a href="#">2840838-1</a>	NO					
<a href="#">2840960-1</a>	NO					
<a href="#">2840960-2</a>	NO					
<a href="#">3-1438230-2</a>	NO		"104769A", "E8EB-14474-BF", "E8EB-14474-BFA"			
<a href="#">3-1438230-3</a>	NO		"104770A"			
<a href="#">3-1438230-4</a>	NO		"104767A"			
<a href="#">3-1438230-5</a>	NO		"105926A"			
<a href="#">3-1438231-2</a>	NO		"104657B"			
<a href="#">3-1438231-3</a>	NO					
<a href="#">3-1438245-2</a>	NO		"101902"			
<a href="#">316838-1</a>	NO					
<a href="#">360387-1</a>	NO					
<a href="#">4-1438090-7</a>	NO					
<a href="#">4-1438640-1</a>	NO					
<a href="#">4-1438640-4</a>	NO					
<a href="#">4-1438640-5</a>	NO					
<a href="#">5-1299373-9</a>	NO					
<a href="#">5-1299502-1</a>	NO					
<a href="#">5-1557773-1</a>	NO					
<a href="#">5-1557773-2</a>	NO					
<a href="#">5-1557773-3</a>	NO					

Part Number	Part Discontinued per PCN	Customer Drawing	Alias Part Number(s)	Substitute Part Number	Substitute Alias Part Number(s)	Description Of Difference
<a href="#">5-1557773-5</a>	NO					
<a href="#">5-1557909-1</a>	NO					
<a href="#">5-1557915-1</a>	NO					
<a href="#">5-2237133-1</a>	NO					
<a href="#">5-2237133-2</a>	NO					
<a href="#">5-2237155-1</a>	NO					
<a href="#">5-2237155-2</a>	NO					
<a href="#">5-2304580-1</a>	NO					
<a href="#">5-2311251-1</a>	NO					
<a href="#">5-2311251-5</a>	NO					
<a href="#">5-2311289-1</a>	NO					
<a href="#">5-2311289-2</a>	NO					
<a href="#">5-2311289-3</a>	NO					
<a href="#">5-2312161-1</a>	NO					
<a href="#">5-2312162-1</a>	NO					
<a href="#">5-2317402-1</a>	NO					
<a href="#">5-2317402-2</a>	NO					
<a href="#">5-2317402-4</a>	NO					
<a href="#">5-2317403-1</a>	NO					
<a href="#">5-2317403-2</a>	NO					
<a href="#">5-2324627-1</a>	NO					
<a href="#">5-2324627-2</a>	NO					
<a href="#">5-2324652-1</a>	NO					
<a href="#">5-2324653-1</a>	NO					
<a href="#">5-2325383-1</a>	NO					
<a href="#">5-2325383-2</a>	NO					
<a href="#">5-2325523-2</a>	NO					
<a href="#">5-2325523-3</a>	NO					
<a href="#">5-2339501-2</a>	NO					
<a href="#">5-2339502-1</a>	NO					
<a href="#">5-2344067-2</a>	NO					
<a href="#">6-1438090-7</a>	NO					
<a href="#">638009-1</a>	NO					
<a href="#">638009-5</a>	NO					
<a href="#">638014-1</a>	NO					
<a href="#">638087-1</a>	NO					
<a href="#">638098-1</a>	NO					
<a href="#">638098-7</a>	NO					
<a href="#">638099-1</a>	NO					
<a href="#">638099-7</a>	NO					
<a href="#">638102-1</a>	NO					
<a href="#">638125-3</a>	NO					
<a href="#">638128-2</a>	NO					
<a href="#">638131-2</a>	NO					
<a href="#">638134-3</a>	NO					
<a href="#">638134-4</a>	NO					
<a href="#">638134-5</a>	NO					
<a href="#">638141-1</a>	NO					
<a href="#">638143-1</a>	NO					
<a href="#">638145-1</a>	NO					
<a href="#">638170-6</a>	NO					
<a href="#">638174-1</a>	NO					
<a href="#">638174-2</a>	NO					
<a href="#">638174-3</a>	NO					
<a href="#">638174-4</a>	NO					
<a href="#">638184-6</a>	NO					
<a href="#">638203-1</a>	NO					
<a href="#">638232-1</a>	NO					
<a href="#">638551-1</a>	NO					
<a href="#">638551-2</a>	NO					
<a href="#">638551-3</a>	NO					
<a href="#">638551-4</a>	NO					
<a href="#">638619-1</a>	NO					
<a href="#">638652-1</a>	NO					
<a href="#">638652-2</a>	NO					

Part Number	Part Discontinued per PCN	Customer Drawing	Alias Part Number(s)	Substitute Part Number	Substitute Alias Part Number(s)	Description Of Difference
<a href="#">638652-4</a>	NO					
<a href="#">638662-8</a>	NO					
<a href="#">638946-2</a>	NO					
<a href="#">638977-6</a>	NO					
<a href="#">638979-1</a>	NO					
<a href="#">7-1452665-1</a>	NO					
<a href="#">7-1452665-3</a>	NO					
<a href="#">7-1452671-1</a>	NO					
<a href="#">7-1452671-3</a>	NO					
<a href="#">7-173862-1</a>	NO					
<a href="#">7-173862-6</a>	NO					
<a href="#">770520-1</a>	NO					
<a href="#">770520-3</a>	NO					
<a href="#">770854-1</a>	NO					
<a href="#">770854-3</a>	NO					
<a href="#">773119-4</a>	NO					
<a href="#">776035-5</a>	NO					
<a href="#">776046-4</a>	NO					
<a href="#">776235-1</a>	NO					
<a href="#">776235-4</a>	NO					
<a href="#">776297-1</a>	NO					
<a href="#">776297-2</a>	NO					
<a href="#">776300-1</a>	NO					
<a href="#">776300-2</a>	NO					
<a href="#">776349-1</a>	NO		"820P-37835"			
<a href="#">776349-3</a>	NO		"820P-37462"			
<a href="#">776491-1</a>	NO					
<a href="#">776491-2</a>	NO					
<a href="#">776492-1</a>	NO					
<a href="#">776492-2</a>	NO					
<a href="#">776493-1</a>	NO		"820P-37700"			
<a href="#">776493-2</a>	NO					
<a href="#">776546-1</a>	NO					
<a href="#">776546-5</a>	NO					
<a href="#">776834-3</a>	NO					
<a href="#">776834-4</a>	NO					
<a href="#">776834-5</a>	NO					
<a href="#">776958-1</a>	NO					
<a href="#">9-1438090-6</a>	NO					
<a href="#">9-1438309-1</a>	NO					
<a href="#">9-1438424-2</a>	NO					
<a href="#">9-1438743-6</a>	NO					
<a href="#">9-1438789-2</a>	NO					
<a href="#">9-1438845-1</a>	NO					
<a href="#">9-1456610-2</a>	NO					
<a href="#">9-175976-2</a>	NO					
<a href="#">9-176122-6</a>	NO					
<a href="#">9-1924162-6</a>	NO					
<a href="#">9-1924255-6</a>	NO					
<a href="#">9-2035103-6</a>	NO					
<a href="#">9-2035312-2</a>	NO					
<a href="#">9-638254-2</a>	NO					
<a href="#">9-638258-6</a>	NO					
<a href="#">9-638264-2</a>	NO					
<a href="#">9-638677-1</a>	NO					
<a href="#">9-638699-6</a>	NO					
<a href="#">9-638973-2</a>	NO					
<a href="#">9-776629-6</a>	NO					
<a href="#">9-776633-8</a>	NO					
<a href="#">928999-1</a>	NO		"0-0928999-1", "0-928999-1"			



# Product Change Notification

Current Date: 26-Feb-2020

## TE Connectivity

Product Change Notification: P-20-018731

PCN Date: 25-FEB-20

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:

Multiple Part numbers. Phase 4. Americas Footprint Optimization

### Description of Changes

We hereby inform you about a transfer of stamping dies from Burgess Rd. to further improve our Supply Chain towards our customers. The transfer follows a strict procedure, which fully maintains quality, ability to supply and form-fit-function of the concerned products. The receiving manufacturing location operates under a certified quality management system in accordance with standard automotive requirements. These moves will be validated not to affect product fit, form and function, tool geometry, quality performance or the quality management system TE will uphold our responsibility to internally validate and approve these tools among appropriate first article dimensional and capability analysis, comparative 2-sample T-tests before and after moves, before and after CT scans where needed, and PV testing as defined by TE product engineering. TE is willing to provide any such validation data to our customers as our joint non-disclosure agreement statuses allow.

### Reason for Changes:

Product improvement. These changes are part of an overall effort from TE to improve our supply chain toward our customers, to focus each plant on core products and processes, and to provide an overall better experience from TE to our customer base. An internal release test based on the relevant part will be executed before delivery and this notification serves to fulfill our notification requirements as prescribed by AIAG 4th edition. This change notification document accompanies a letter sent to your organization on September 13, 2019 signed by our Vice President of Sales and Marketing. Follow up conversations can occur upon request with your sales contact within 15 calendar days after receipt of this PCN. If you have any questions or needs from this move, please contact your sales engineer within 15 days of receipt of this letter. If no response is received on this period, TE will consider this as an approval and tools must move to the new locations.

### Estimated Dates:

<b>Last Order Date</b> (Obsolete Parts Only):	<b>First Date To Ship</b> (Changed Parts Only):
	30-SEP-2020
<b>Last Ship Date</b> (Obsolete Parts Only):	<b>Last Date for Mixed Shipments:</b> (Changed Parts Only):
	No Mixed Shipments

### Part Number(s) being Modified:

Part Number	Part Discontinued per PCN	Customer Drawing	Alias Part Number(s)	Substitute Part Number	Substitute Alias Part Number(s)	Description Of Difference
<a href="#">1-1326029-1</a>	NO					
<a href="#">1-1326029-2</a>	NO					
<a href="#">1-1326030-0</a>	NO					
<a href="#">1-1326030-1</a>	NO					
<a href="#">1-1326030-2</a>	NO					
<a href="#">1-1437855-6</a>	NO		"104537A", "4661466"			
<a href="#">1-1438238-0</a>	NO		"108918"			
<a href="#">1-1438238-1</a>	NO		"K36AA-F12LBA"			
<a href="#">1-1438640-3</a>	NO					
<a href="#">1-1438640-8</a>	NO					
<a href="#">1-1456336-3</a>	NO					
<a href="#">1-1456336-4</a>	NO					
<a href="#">1-1456336-6</a>	NO					
<a href="#">1-1456968-1</a>	NO					
<a href="#">1-1456968-2</a>	NO					
<a href="#">1-1456968-3</a>	NO					
<a href="#">1-1456968-4</a>	NO					
<a href="#">1-1456968-6</a>	NO					
<a href="#">1-1456968-8</a>	NO					
<a href="#">1-1563842-1</a>	NO					
<a href="#">1-1563842-3</a>	NO					
<a href="#">1-1924415-1</a>	NO					
<a href="#">1-1924415-2</a>	NO					
<a href="#">1-1924468-1</a>	NO					
<a href="#">1-1924468-3</a>	NO					
<a href="#">1-1924955-1</a>	NO					

Part Number	Part Discontinued per PCN	Customer Drawing	Alias Part Number(s)	Substitute Part Number	Substitute Alias Part Number(s)	Description Of Difference
<a href="#">1-1924955-2</a>	NO					
<a href="#">1-1924955-3</a>	NO					
<a href="#">1-1924955-4</a>	NO					
<a href="#">1-1924955-6</a>	NO					
<a href="#">1-1924955-7</a>	NO					
<a href="#">1-1924955-8</a>	NO					
<a href="#">1-2103171-2</a>	NO					
<a href="#">1-2138699-1</a>	NO					
<a href="#">1-2138699-2</a>	NO					
<a href="#">1-2138699-4</a>	NO					
<a href="#">1-2203270-0</a>	NO					
<a href="#">1-2288241-1</a>	NO					
<a href="#">1-2288242-1</a>	NO					
<a href="#">1-2840750-1</a>	NO					
<a href="#">1-773119-8</a>	NO					
<a href="#">1-776546-1</a>	NO					
<a href="#">1-929278-2</a>	NO					
<a href="#">1326017-1</a>	NO					
<a href="#">1326017-9</a>	NO					
<a href="#">1326028-1</a>	NO					
<a href="#">1326028-2</a>	NO					
<a href="#">1326028-3</a>	NO					
<a href="#">1326028-4</a>	NO					
<a href="#">1326028-5</a>	NO					
<a href="#">1326028-6</a>	NO					
<a href="#">1326030-1</a>	NO					
<a href="#">1326030-2</a>	NO					
<a href="#">1326030-3</a>	NO					
<a href="#">1326030-4</a>	NO					
<a href="#">1326030-5</a>	NO					
<a href="#">1326030-6</a>	NO					
<a href="#">1326030-7</a>	NO					
<a href="#">1326030-8</a>	NO					
<a href="#">1326030-9</a>	NO					
<a href="#">1437284-9</a>	NO		"13002630101"			
<a href="#">1438088-2</a>	NO					
<a href="#">1438234-3</a>	NO		"G38BA-F111BA"			
<a href="#">1438234-6</a>	NO		"102186"			
<a href="#">1438235-2</a>	NO		"103437", "109569"			
<a href="#">1438238-2</a>	NO		"K36AA-K12HBA"			
<a href="#">1438238-6</a>	NO		"K36AA-P12LBA"			
<a href="#">1438238-8</a>	NO		"101793"			
<a href="#">1438238-9</a>	NO		"101794"			
<a href="#">1438240-1</a>	NO		"105825A"			
<a href="#">1438244-2</a>	NO		"N36CA-F174AA"			
<a href="#">1438250-4</a>	NO		"N36AA-P125BA"			
<a href="#">1438250-5</a>	NO		"105084"			
<a href="#">1438255-1</a>	NO		"B65BA-M630A0"			
<a href="#">1438255-2</a>	NO		"B65BA-K630A0"			
<a href="#">1438256-1</a>	NO		"B65AA-W637A0"			
<a href="#">1438256-2</a>	NO		"B65AA-N637A0"			
<a href="#">1438275-1</a>	NO					
<a href="#">1438316-1</a>	NO					
<a href="#">1438387-1</a>	NO					
<a href="#">1438442-4</a>	NO					
<a href="#">1438483-1</a>	NO					
<a href="#">1438486-1</a>	NO					
<a href="#">1438543-1</a>	NO					
<a href="#">1438543-2</a>	NO					
<a href="#">1438543-4</a>	NO					
<a href="#">1438680-1</a>	NO					
<a href="#">1448779-2</a>	NO					
<a href="#">1454333-8</a>	NO		"107411"			
<a href="#">1456004-1</a>	NO					
<a href="#">1456004-2</a>	NO					

Part Number	Part Discontinued per PCN	Customer Drawing	Alias Part Number(s)	Substitute Part Number	Substitute Alias Part Number(s)	Description Of Difference
<a href="#">1456598-1</a>	NO					
<a href="#">1456630-1</a>	NO					
<a href="#">1456630-2</a>	NO					
<a href="#">1456777-3</a>	NO					
<a href="#">1456897-2</a>	NO					
<a href="#">1456897-5</a>	NO					
<a href="#">1456968-1</a>	NO					
<a href="#">1456968-2</a>	NO					
<a href="#">1456968-3</a>	NO					
<a href="#">1456968-4</a>	NO					
<a href="#">1456968-6</a>	NO					
<a href="#">1456968-8</a>	NO					
<a href="#">1488642-6</a>	NO					
<a href="#">1488642-7</a>	NO					
<a href="#">1488642-8</a>	NO					
<a href="#">1488642-9</a>	NO					
<a href="#">1488657-1</a>	NO					
<a href="#">1488657-2</a>	NO					
<a href="#">1534594-1</a>	NO					
<a href="#">1534594-3</a>	NO					
<a href="#">1534768-1</a>	NO					
<a href="#">1534768-4</a>	NO					
<a href="#">1557079-2</a>	NO					
<a href="#">1557079-3</a>	NO					
<a href="#">1557084-1</a>	NO					
<a href="#">1557085-1</a>	NO					
<a href="#">1557086-1</a>	NO					
<a href="#">1557104-1</a>	NO					
<a href="#">1557105-1</a>	NO					
<a href="#">1557126-2</a>	NO					
<a href="#">1557127-2</a>	NO					
<a href="#">1557270-3</a>	NO					
<a href="#">1557271-4</a>	NO					
<a href="#">1557271-7</a>	NO					
<a href="#">1557311-5</a>	NO					
<a href="#">1557312-1</a>	NO					
<a href="#">1557435-2</a>	NO					
<a href="#">1557463-3</a>	NO					
<a href="#">1557485-3</a>	NO					
<a href="#">1557485-4</a>	NO					
<a href="#">1557510-1</a>	NO					
<a href="#">1557546-1</a>	NO					
<a href="#">1557551-2</a>	NO					
<a href="#">1557555-2</a>	NO					
<a href="#">1557556-2</a>	NO					
<a href="#">1557566-1</a>	NO					
<a href="#">1557566-2</a>	NO					
<a href="#">1557567-1</a>	NO					
<a href="#">1557567-3</a>	NO					
<a href="#">1557577-5</a>	NO					
<a href="#">1557578-3</a>	NO					
<a href="#">1557603-3</a>	NO					
<a href="#">1557616-2</a>	NO					
<a href="#">1557617-2</a>	NO					
<a href="#">1557617-3</a>	NO					
<a href="#">1557634-1</a>	NO					
<a href="#">1557639-4</a>	NO					
<a href="#">1557648-1</a>	NO					
<a href="#">1557649-1</a>	NO					
<a href="#">1557651-1</a>	NO					
<a href="#">1557663-1</a>	NO					
<a href="#">1557674-3</a>	NO					
<a href="#">1557674-4</a>	NO					
<a href="#">1557678-1</a>	NO					
<a href="#">1557693-3</a>	NO					



Part Number	Part Discontinued per PCN	Customer Drawing	Alias Part Number(s)	Substitute Part Number	Substitute Alias Part Number(s)	Description Of Difference
<a href="#">1557702-1</a>	NO					
<a href="#">1557708-2</a>	NO					
<a href="#">1557722-2</a>	NO					
<a href="#">1557764-2</a>	NO					
<a href="#">1557764-3</a>	NO					
<a href="#">1557764-4</a>	NO					
<a href="#">1557764-5</a>	NO					
<a href="#">1557787-1</a>	NO					
<a href="#">1557801-1</a>	NO					
<a href="#">1557801-2</a>	NO					
<a href="#">1557801-3</a>	NO					
<a href="#">1557801-4</a>	NO					
<a href="#">1557812-3</a>	NO					
<a href="#">1557827-2</a>	NO					
<a href="#">1557837-1</a>	NO					
<a href="#">1557837-2</a>	NO					
<a href="#">1557837-3</a>	NO					
<a href="#">1557839-1</a>	NO					
<a href="#">1557853-4</a>	NO					
<a href="#">1557853-5</a>	NO					
<a href="#">1557853-6</a>	NO					
<a href="#">1557882-1</a>	NO					
<a href="#">1557882-2</a>	NO					
<a href="#">1557882-3</a>	NO					
<a href="#">1557883-1</a>	NO					
<a href="#">1557883-2</a>	NO					
<a href="#">1557883-3</a>	NO					
<a href="#">1557886-2</a>	NO					
<a href="#">1557886-4</a>	NO					
<a href="#">1557886-5</a>	NO					
<a href="#">1557887-2</a>	NO					
<a href="#">1557887-4</a>	NO					
<a href="#">1557887-5</a>	NO					
<a href="#">1557891-2</a>	NO					
<a href="#">1557891-3</a>	NO					
<a href="#">1557952-3</a>	NO					
<a href="#">1557989-2</a>	NO					
<a href="#">1587392-7</a>	NO					
<a href="#">1587392-8</a>	NO					
<a href="#">1587718-1</a>	NO					
<a href="#">1587724-1</a>	NO					
<a href="#">1587724-2</a>	NO					
<a href="#">1587724-3</a>	NO					
<a href="#">1587828-1</a>	NO					
<a href="#">1587828-2</a>	NO					
<a href="#">1587828-3</a>	NO					
<a href="#">1587829-1</a>	NO					
<a href="#">1587829-2</a>	NO					
<a href="#">1587829-3</a>	NO					
<a href="#">1642404-3</a>	NO					
<a href="#">1642524-3</a>	NO					
<a href="#">1642642-2</a>	NO					
<a href="#">1719958-1</a>	NO					
<a href="#">1732230-2</a>	NO					
<a href="#">1732230-3</a>	NO					
<a href="#">1732434-3</a>	NO					
<a href="#">1732452-4</a>	NO					
<a href="#">1732621-2</a>	NO					
<a href="#">1732624-2</a>	NO					
<a href="#">1732631-1</a>	NO					
<a href="#">1732724-1</a>	NO					
<a href="#">1732752-1</a>	NO					
<a href="#">1732789-2</a>	NO					
<a href="#">1732821-1</a>	NO					
<a href="#">1732821-3</a>	NO					

Part Number	Part Discontinued per PCN	Customer Drawing	Alias Part Number(s)	Substitute Part Number	Substitute Alias Part Number(s)	Description Of Difference
<a href="#">1732882-2</a>	NO					
<a href="#">1732893-3</a>	NO					
<a href="#">1732893-4</a>	NO					
<a href="#">1732967-1</a>	NO					
<a href="#">1732967-2</a>	NO					
<a href="#">1732993-1</a>	NO					
<a href="#">1732998-2</a>	NO					
<a href="#">173630-1</a>	NO		"0-0173630-1"			
<a href="#">173645-1</a>	NO					
<a href="#">173683-2</a>	NO					
<a href="#">173856-1</a>	NO					
<a href="#">174053-2</a>	NO					
<a href="#">1747732-1</a>	NO					
<a href="#">174917-6</a>	NO					
<a href="#">174973-2</a>	NO					
<a href="#">175268-1</a>	NO					
<a href="#">175444-1</a>	NO		"0-0175444-1"			
<a href="#">175444-6</a>	NO					
<a href="#">175444-9</a>	NO					
<a href="#">175976-2</a>	NO					
<a href="#">176122-6</a>	NO					
<a href="#">1801828-1</a>	NO					
<a href="#">1801829-1</a>	NO					
<a href="#">1832036-2</a>	NO					
<a href="#">1832322-1</a>	NO					
<a href="#">1832353-2</a>	NO					
<a href="#">1832487-2</a>	NO					
<a href="#">1832488-2</a>	NO					
<a href="#">1832766-4</a>	NO					
<a href="#">1832805-1</a>	NO					
<a href="#">1832875-1</a>	NO					
<a href="#">1832891-2</a>	NO					
<a href="#">184030-1</a>	NO					
<a href="#">184030-3</a>	NO		"TL003"			
<a href="#">184289-1</a>	NO					
<a href="#">184289-3</a>	NO					
<a href="#">1924227-2</a>	NO					
<a href="#">1924456-1</a>	NO					
<a href="#">1924463-1</a>	NO		8202612467, <b>BACA-AMP-218</b>			
<a href="#">1924463-3</a>	NO					
<a href="#">1924686-1</a>	NO					
<a href="#">1924878-1</a>	NO					
<a href="#">1924878-2</a>	NO					
<a href="#">1924903-1</a>	NO					
<a href="#">1927688-3</a>	NO					
<a href="#">2-174053-2</a>	NO					
<a href="#">2-2138019-4</a>	NO					
<a href="#">2-773119-1</a>	NO					
<a href="#">2035040-1</a>	NO					
<a href="#">2035040-2</a>	NO					
<a href="#">2035040-3</a>	NO					
<a href="#">2035335-1</a>	NO					
<a href="#">2098032-3</a>	NO					
<a href="#">2098251-1</a>	NO					
<a href="#">2098251-2</a>	NO					
<a href="#">2098252-1</a>	NO					
<a href="#">2098252-3</a>	NO					
<a href="#">2098338-5</a>	NO					
<a href="#">2098338-6</a>	NO					
<a href="#">2098339-5</a>	NO					
<a href="#">2098339-6</a>	NO					
<a href="#">2098762-1</a>	NO					
<a href="#">2098762-2</a>	NO					
<a href="#">2098762-3</a>	NO					

Part Number	Part Discontinued per PCN	Customer Drawing	Alias Part Number(s)	Substitute Part Number	Substitute Alias Part Number(s)	Description Of Difference
<a href="#">2098762-4</a>	NO					
<a href="#">2098762-5</a>	NO					
<a href="#">2098762-6</a>	NO					
<a href="#">2098762-8</a>	NO					
<a href="#">2098978-1</a>	NO					
<a href="#">2103026-1</a>	NO					
<a href="#">2103027-1</a>	NO					
<a href="#">2103157-1</a>	NO					
<a href="#">2103388-1</a>	NO					
<a href="#">2103741-2</a>	NO					
<a href="#">2103741-3</a>	NO					
<a href="#">212868-1</a>	NO					
<a href="#">212868-2</a>	NO					
<a href="#">2138020-1</a>	NO					
<a href="#">2138020-2</a>	NO					
<a href="#">2138020-3</a>	NO					
<a href="#">2138020-4</a>	NO					
<a href="#">2138020-5</a>	NO					
<a href="#">2138020-6</a>	NO					
<a href="#">2138020-8</a>	NO					
<a href="#">2138020-9</a>	NO					
<a href="#">2138146-1</a>	NO					
<a href="#">2138597-1</a>	NO					
<a href="#">2138597-2</a>	NO					
<a href="#">2138597-3</a>	NO					
<a href="#">2141824-1</a>	NO					
<a href="#">2237010-1</a>	NO					
<a href="#">2247003-2</a>	NO					
<a href="#">2247003-3</a>	NO					
<a href="#">2247007-1</a>	NO					
<a href="#">2247030-1</a>	NO					
<a href="#">2247037-2</a>	NO					
<a href="#">2247048-1</a>	NO					
<a href="#">2247064-1</a>	NO					
<a href="#">2247076-2</a>	NO					
<a href="#">2247102-1</a>	NO					
<a href="#">2247202-2</a>	NO					
<a href="#">2247202-3</a>	NO					
<a href="#">2247398-1</a>	NO					
<a href="#">2272170-1</a>	NO					
<a href="#">2272170-2</a>	NO					
<a href="#">2272170-4</a>	NO					
<a href="#">2272170-5</a>	NO					
<a href="#">2272170-6</a>	NO					
<a href="#">2272196-1</a>	NO					
<a href="#">2272196-2</a>	NO					
<a href="#">2272230-1</a>	NO					
<a href="#">2272230-2</a>	NO					
<a href="#">2272230-3</a>	NO					
<a href="#">2272248-1</a>	NO					
<a href="#">2272404-1</a>	NO					
<a href="#">2272404-2</a>	NO					
<a href="#">2272408-4</a>	NO					
<a href="#">2272409-1</a>	NO					
<a href="#">2288045-1</a>	NO					
<a href="#">2288243-2</a>	NO					
<a href="#">2294612-1</a>	NO					
<a href="#">2299041-1</a>	NO					
<a href="#">2299156-1</a>	NO					
<a href="#">2299156-2</a>	NO					
<a href="#">2299156-3</a>	NO					
<a href="#">2304851-2</a>	NO					
<a href="#">2304851-3</a>	NO					
<a href="#">2304851-4</a>	NO					
<a href="#">2304851-5</a>	NO					

Part Number	Part Discontinued per PCN	Customer Drawing	Alias Part Number(s)	Substitute Part Number	Substitute Alias Part Number(s)	Description Of Difference
<a href="#">2305344-3</a>	NO					
<a href="#">2306033-3</a>	NO					
<a href="#">2306039-1</a>	NO					
<a href="#">2306883-1</a>	NO					
<a href="#">2306884-1</a>	NO					
<a href="#">2307561-3</a>	NO					
<a href="#">2307561-4</a>	NO					
<a href="#">2307655-1</a>	NO					
<a href="#">2307655-2</a>	NO					
<a href="#">2308552-1</a>	NO					
<a href="#">2309266-1</a>	NO					
<a href="#">2309270-1</a>	NO					
<a href="#">2309341-1</a>	NO					
<a href="#">2309386-1</a>	NO					
<a href="#">2309723-2</a>	NO					
<a href="#">2309723-3</a>	NO					
<a href="#">2309999-1</a>	NO					
<a href="#">2310292-1</a>	NO					
<a href="#">2311563-1</a>	NO					
<a href="#">2311563-2</a>	NO					
<a href="#">2311564-1</a>	NO					
<a href="#">2312163-1</a>	NO					
<a href="#">2312462-3</a>	NO					
<a href="#">2312473-5</a>	NO					
<a href="#">2312474-5</a>	NO					
<a href="#">2312478-6</a>	NO					
<a href="#">2312479-6</a>	NO					
<a href="#">2312483-3</a>	NO					
<a href="#">2314243-1</a>	NO					
<a href="#">2314246-1</a>	NO					
<a href="#">2314247-1</a>	NO					
<a href="#">2315359-1</a>	NO					
<a href="#">2315494-1</a>	NO					
<a href="#">2316023-1</a>	NO					
<a href="#">2316310-1</a>	NO					
<a href="#">2316310-2</a>	NO					
<a href="#">2316982-1</a>	NO					
<a href="#">2317402-1</a>	NO					
<a href="#">2317403-1</a>	NO					
<a href="#">2317943-2</a>	NO					
<a href="#">2317943-4</a>	NO					
<a href="#">2317943-5</a>	NO					
<a href="#">2318039-1</a>	NO					
<a href="#">2318041-1</a>	NO					
<a href="#">2318042-1</a>	NO					
<a href="#">2318053-1</a>	NO					
<a href="#">2318726-1</a>	NO					
<a href="#">2318727-1</a>	NO					
<a href="#">2318730-2</a>	NO					
<a href="#">2319098-2</a>	NO					
<a href="#">2319107-1</a>	NO					
<a href="#">2320447-1</a>	NO					
<a href="#">2320476-2</a>	NO					
<a href="#">2321215-2</a>	NO					
<a href="#">2321268-2</a>	NO					
<a href="#">2321395-1</a>	NO					
<a href="#">2321499-2</a>	NO					
<a href="#">2321508-2</a>	NO					
<a href="#">2321510-2</a>	NO					
<a href="#">2321574-2</a>	NO					
<a href="#">2321698-2</a>	NO					
<a href="#">2321700-2</a>	NO					
<a href="#">2321701-2</a>	NO					
<a href="#">2321705-3</a>	NO					
<a href="#">2321766-1</a>	NO					

Part Number	Part Discontinued per PCN	Customer Drawing	Alias Part Number(s)	Substitute Part Number	Substitute Alias Part Number(s)	Description Of Difference
<a href="#">2321823-3</a>	NO					
<a href="#">2321824-3</a>	NO					
<a href="#">2321830-2</a>	NO					
<a href="#">2321842-2</a>	NO					
<a href="#">2321847-2</a>	NO					
<a href="#">2321847-3</a>	NO					
<a href="#">2321848-2</a>	NO					
<a href="#">2321848-3</a>	NO					
<a href="#">2321858-3</a>	NO					
<a href="#">2321858-4</a>	NO					
<a href="#">2321864-1</a>	NO					
<a href="#">2321864-2</a>	NO					
<a href="#">2321865-2</a>	NO					
<a href="#">2321865-3</a>	NO					
<a href="#">2321876-2</a>	NO					
<a href="#">2321982-1</a>	NO					
<a href="#">2321982-2</a>	NO					
<a href="#">2321982-3</a>	NO					
<a href="#">2323723-1</a>	NO					
<a href="#">2323769-1</a>	NO					
<a href="#">2323771-2</a>	NO					
<a href="#">2323835-1</a>	NO					
<a href="#">2323995-2</a>	NO					
<a href="#">2324652-1</a>	NO					
<a href="#">2324653-1</a>	NO					
<a href="#">2324654-1</a>	NO					
<a href="#">2324654-3</a>	NO					
<a href="#">2324767-2</a>	NO					
<a href="#">2324767-3</a>	NO					
<a href="#">2325178-1</a>	NO					
<a href="#">2325179-1</a>	NO					
<a href="#">2325263-1</a>	NO					
<a href="#">2325422-1</a>	NO					
<a href="#">2325433-2</a>	NO					
<a href="#">2325440-2</a>	NO					
<a href="#">2325444-2</a>	NO					
<a href="#">2325448-1</a>	NO					
<a href="#">2325449-1</a>	NO					
<a href="#">2325450-1</a>	NO					
<a href="#">2325451-2</a>	NO					
<a href="#">2325454-1</a>	NO					
<a href="#">2325455-1</a>	NO					
<a href="#">2325611-1</a>	NO					
<a href="#">2325611-2</a>	NO					
<a href="#">2325612-1</a>	NO					
<a href="#">2325612-2</a>	NO					
<a href="#">2325612-3</a>	NO					
<a href="#">2325615-1</a>	NO					
<a href="#">2325615-2</a>	NO					
<a href="#">2325615-3</a>	NO					
<a href="#">2325616-1</a>	NO					
<a href="#">2325616-2</a>	NO					
<a href="#">2325673-3</a>	NO					
<a href="#">2327150-2</a>	NO					
<a href="#">2327604-2</a>	NO					
<a href="#">2327611-1</a>	NO					
<a href="#">2327611-2</a>	NO					
<a href="#">2327691-2</a>	NO					
<a href="#">2329119-3</a>	NO					
<a href="#">2329515-2</a>	NO					
<a href="#">2331524-1</a>	NO					
<a href="#">2331582-1</a>	NO					
<a href="#">2331582-2</a>	NO					
<a href="#">2331588-1</a>	NO					
<a href="#">2331588-2</a>	NO					

Part Number	Part Discontinued per PCN	Customer Drawing	Alias Part Number(s)	Substitute Part Number	Substitute Alias Part Number(s)	Description Of Difference
<a href="#">2333567-1</a>	NO					
<a href="#">2333672-1</a>	NO					
<a href="#">2333673-1</a>	NO					
<a href="#">2334629-1</a>	NO					
<a href="#">2334630-1</a>	NO					
<a href="#">2334704-1</a>	NO					
<a href="#">2334705-1</a>	NO					
<a href="#">2335902-1</a>	NO					
<a href="#">2335902-2</a>	NO					
<a href="#">2339949-1</a>	NO					
<a href="#">2339949-2</a>	NO					
<a href="#">2339949-3</a>	NO					
<a href="#">2340327-1</a>	NO					
<a href="#">2344067-2</a>	NO					
<a href="#">2344068-2</a>	NO					
<a href="#">2344917-1</a>	NO					
<a href="#">2344926-1</a>	NO					
<a href="#">2348061-1</a>	NO					
<a href="#">2348609-1</a>	NO					
<a href="#">2348609-3</a>	NO					
<a href="#">2349020-1</a>	NO					
<a href="#">2349320-1</a>	NO					
<a href="#">2350526-1</a>	NO					
<a href="#">2350527-1</a>	NO					
<a href="#">2350657-1</a>	NO					
<a href="#">2350940-1</a>	NO					
<a href="#">2352297-1</a>	NO					
<a href="#">2354451-1</a>	NO					
<a href="#">2356047-1</a>	NO					
<a href="#">2356237-1</a>	NO					
<a href="#">2840750-1</a>	NO					
<a href="#">2840837-1</a>	NO					
<a href="#">3-1419158-1</a>	NO					
<a href="#">3-1438233-1</a>	NO		"102582"			
<a href="#">3-1438233-2</a>	NO		"102583"			
<a href="#">3-1438640-1</a>	NO					
<a href="#">3-1438640-2</a>	NO					
<a href="#">3-1438640-3</a>	NO					
<a href="#">3-1438640-4</a>	NO					
<a href="#">3-1438640-5</a>	NO					
<a href="#">3-1438640-7</a>	NO					
<a href="#">3-1438640-8</a>	NO					
<a href="#">3-1438640-9</a>	NO					
<a href="#">3-1924672-4</a>	NO					
<a href="#">3-1924672-7</a>	NO					
<a href="#">3-2138020-1</a>	NO					
<a href="#">3-2138020-2</a>	NO					
<a href="#">3-2138020-4</a>	NO					
<a href="#">316836-1</a>	NO		"0-0316836-1"			
<a href="#">5-1299505-1</a>	NO					
<a href="#">5-1299505-2</a>	NO					
<a href="#">5-1299505-3</a>	NO					
<a href="#">5-1299505-4</a>	NO					
<a href="#">5-1557774-1</a>	NO					
<a href="#">5-1557774-3</a>	NO					
<a href="#">5-1557774-4</a>	NO					
<a href="#">5-1557774-5</a>	NO					
<a href="#">5-1557774-7</a>	NO					
<a href="#">5-1557802-1</a>	NO					
<a href="#">5-1557803-1</a>	NO					
<a href="#">5-1557910-1</a>	NO					
<a href="#">5-1557910-2</a>	NO					
<a href="#">5-1557911-1</a>	NO					
<a href="#">5-1557921-1</a>	NO					
<a href="#">5-1557922-1</a>	NO					

Part Number	Part Discontinued per PCN	Customer Drawing	Alias Part Number(s)	Substitute Part Number	Substitute Alias Part Number(s)	Description Of Difference
<a href="#">5-1924670-0</a>	NO					
<a href="#">5-2237135-1</a>	NO					
<a href="#">5-2324654-1</a>	NO					
<a href="#">5-2324654-3</a>	NO					
<a href="#">5-2325384-2</a>	NO					
<a href="#">5-2325384-3</a>	NO					
<a href="#">5-2325385-2</a>	NO					
<a href="#">5-2325385-3</a>	NO					
<a href="#">5-2325391-1</a>	NO					
<a href="#">5-2325392-2</a>	NO					
<a href="#">5-2325392-4</a>	NO					
<a href="#">5-2344068-2</a>	NO					
<a href="#">5-928999-1</a>	NO					
<a href="#">5-963715-1</a>	NO					
<a href="#">6-1299373-1</a>	NO					
<a href="#">6-1299373-2</a>	NO					
<a href="#">6-1299373-3</a>	NO					
<a href="#">638078-1</a>	NO					
<a href="#">638078-3</a>	NO					
<a href="#">638085-1</a>	NO					
<a href="#">638097-2</a>	NO					
<a href="#">638112-1</a>	NO					
<a href="#">638112-2</a>	NO					
<a href="#">638112-3</a>	NO					
<a href="#">638137-1</a>	NO					
<a href="#">638187-1</a>	NO					
<a href="#">638187-2</a>	NO					
<a href="#">638187-3</a>	NO					
<a href="#">638187-4</a>	NO					
<a href="#">638204-2</a>	NO					
<a href="#">638258-6</a>	NO					
<a href="#">638286-1</a>	NO					
<a href="#">638601-1</a>	NO					
<a href="#">638623-8</a>	NO					
<a href="#">638623-9</a>	NO					
<a href="#">66773-2</a>	NO					
<a href="#">66773-3</a>	NO					
<a href="#">7-1452668-1</a>	NO					
<a href="#">7-1452668-3</a>	NO					
<a href="#">770380-2</a>	NO					
<a href="#">770444-1</a>	NO					
<a href="#">770589-1</a>	NO					
<a href="#">773119-1</a>	NO					
<a href="#">776014-1</a>	NO					
<a href="#">776033-1</a>	NO					
<a href="#">776033-7</a>	NO					
<a href="#">776061-1</a>	NO					
<a href="#">776129-2</a>	NO					
<a href="#">776129-6</a>	NO					
<a href="#">776181-1</a>	NO					
<a href="#">776197-1</a>	NO					
<a href="#">776298-1</a>	NO					
<a href="#">776298-2</a>	NO					
<a href="#">776299-1</a>	NO					
<a href="#">776299-2</a>	NO					
<a href="#">776326-4</a>	NO					
<a href="#">776671-1</a>	NO					
<a href="#">776685-3</a>	NO					
<a href="#">776690-2</a>	NO					
<a href="#">776887-2</a>	NO					
<a href="#">776887-3</a>	NO					
<a href="#">776887-5</a>	NO					
<a href="#">8-1419157-9</a>	NO		"V23542-G2164-L202"			
<a href="#">9-1438313-2</a>	NO					
<a href="#">9-1438772-6</a>	NO					

Part Number	Part Discontinued per PCN	Customer Drawing	Alias Part Number(s)	Substitute Part Number	Substitute Alias Part Number(s)	Description Of Difference
<a href="#">9-1924089-6</a>	NO					
<a href="#">9-2035371-6</a>	NO					
<a href="#">9-2035587-6</a>	NO					
<a href="#">9-2138202-6</a>	NO					
<a href="#">9-638230-2</a>	NO					
<a href="#">9-638256-2</a>	NO					
<a href="#">9-638266-1</a>	NO					
<a href="#">9-638608-2</a>	NO					
<a href="#">9-776203-2</a>	NO					
<a href="#">9-776631-2</a>	NO					
<a href="#">9-776635-1</a>	NO					
<a href="#">927784-2</a>	NO		"0-0927784-2"			
<a href="#">963715-1</a>	NO					





## **Section 3**

# **Customer Engineering Approval**

Product Validation Plan and Report													PVP Number		Dept#		2047			
Component AMPSEAL terminal													Plan Date		12-Oct-20		Plan Originator		D. Strausser	
													Model Year							
Applications													UPG Number				Reporting Engineer		D. Strausser	
Various													Source		TE Connectivity		Report Date			
TEST PLAN													TEST REPORT						NOTES	
Item No.	Procedure or Standard	Test Description	Acceptance Criteria	Target Requirements	Test Stage	Sample		Timing		Samples Tested		Actual Results	Corrective and/or preventive actions							
						Qty	Type	Start	Compl	Qty	Type									
<b>MECHANICAL TEST SEQUENCE</b>																				
<b>TEST SEQUENCE 1. Terminal to Terminal Engage-Disengage Force</b>																				
1	EIA 364-18B	Visual Inspection	No evidence of deterioration, cracks, deformities that could affect fit, form or functionality	100% pass	PV	20	E			20	E	Passed		10 samples from before the move 10 samples from after the move						
2	USCAR2-6 2013-02 5.2.1	Terminal to Terminal Engage/Disengage Force	5.2.1.4 Complete the Visual Examination per section 5.1.8 noting any wear of the contact surfaces. No base material should be exposed.	100% pass	PV	20	E			20	E	<b>Burgess Rd</b> First engage Min 1.42N Max 1.64N Mean 1.50N Tenth disengage Min 2.74N Max 4.80N Mean 3.93N  <b>Pegg Rd</b> First engage Min 1.21N Max 1.42N Mean 1.30N Tenth disengage Min 2.62N Max 4.95N Mean 3.99N		Complete steps 1-7 only						

REVISED BY	REVISION DATE	COMMENTS
D. STRAUSSER	12-Oct-20	ORIGINAL
D. STRAUSSER	16-Oct-20	Testing complete



# Section 4

## Design FMEA

**See Section A for nondisclosure conditions.**

**The Design FMEA, if included, is a Class II confidential document belonging to TE Connectivity. A class II document may not be further distributed and is subject to the conditions of the nondisclosure agreement.**



## **Section 5**

# **Process Flow Diagram**

**See Section A for nondisclosure conditions.**

**The Process Flow Diagram, if included, is a Class II confidential document belonging to TE Connectivity. A class II document may not be further distributed and is subject to the conditions of the nondisclosure agreement.**



## **Section 6**

# **Process FMEA**

**See Section A for nondisclosure conditions.**

**The Process FMEA, if included, is a Class II confidential document belonging to TE Connectivity. A class II document may not be further distributed and is subject to the conditions of the nondisclosure agreement.**



## **Section 7**

# **Control Plan**

**See Section A for nondisclosure conditions.  
The Control Plan, if included, is a Class II confidential document  
belonging to TE Connectivity. A class II document may not be  
further distributed and is subject to the conditions of the  
nondisclosure agreement.**

## **Section 8**

# **Measurement System Analysis**

# Section 9

# Dimensional Results



# Production Part Approval Dimensional Results

Supplier <b>TE Connectivity</b>		PART NUMBER <b>770520</b>	DIE NUMBER <b>11-1943084</b>		
Name of Inspection Facility <b>Siemers Inspection Services Inc</b>		PART NAME <b>AMPSEAL Socket Terminal</b>			
ITEM	DIMENSION / SPECIFICATION	Overall	Sample 1	OK	Comments
1	Ø2.50 ± 0.15		2.493	X	
2	1.5 Min		1.847	X	
3	19.10 ± 0.53		19.396	X	
4	0.40 Max		0.257	X	
5	3.75 ± 0.15		3.666	X	
6	Ø1.20 ± 0.15		1.245	X	
7	Ø2.50 ± 0.15		2.478	X	
8	1.65 ± 0.15		1.699	X	
9	2.8 - 3.2		2.976	X	
10	2.90 Ref		3.050	X	
11	4.0 - 4.4		4.193	X	
12	3.8 Ref		3.693	X	

May  
1995 **CFG-1003**

Signature	Date
David Strausser	10/20/2020



## **Section 10**

# **Material, Performance Test Results**

KMD Connectors Stolberg GmbH

dated 20.04.2020



ATTN: DINA COLEY

8010 PIEDMONT TRIAD PKWY

27409 GREENSBORO NC

USA

page 1

Inspection Certificate 3.1		coil	Producer	Packing List	order	customer
EN 10204:2005		100182373B	KM	166666	2108867 - 1	04004800
pieces	5	weight net			5782,67 lbs	
Lot Number WC405955, WC405953, WC405954, WC405951, WC405952						
your order		703314-4 2483217082 REFI			article no. 7114178	
customers material no.		703314-4				
C7025 0,30 X 23,16 SN		100-1086 Rev Z				
		112-20-2 Rev AD / 107-52-18 R				
mechanical test		nominal		actual		
		min.	max.	min.	max.	
thickness	"	0,01142	0,0122	0,01185	0,01201	
width	"	0,90945	0,91339	0,91142	0,91299	
tensile strength	RM ksi	89,9	110,2	101,4	102,3	
yield strength	RP ksi	65,3	110,2	83,4	84	
elongation	A 50mm    %	10		16,7	18,9	
bend test	90° r= 0.00mm BK =			free of cracks	free of cracks	
bend test	180° r= 0.60mm BK =			free of cracks	free of cracks	
bend test	+ 90° r= 0.15mm BK =			free of cracks	free of cracks	
bend test	+ 180° r= 0.90mm BK =			free of cracks	free of cracks	
lacs	%	40		45,1	45,1	
edgewise camber	mm/ 900		1,6	0,12	0,35	
coil set	mm/ 900		225	4	12	
transverse curvature	mm/ 23		0,046	0,001	0,002	
sitting burr	mm		0,03	0,004	0,007	
surface roughness Ra	Ra µm		0,4	0,08	0,13	
layer	pure hot dip tinned µm 3		6	3,47	4,23	
grain size	µm		30	15	15	
twist	°/ 900		10	1	2	
chemical composition %		lead free				
SI					0.4067	
MG					0.0862	
CO					0.0007	
ZN					0.0738	
MN					0.0010	
The contents of all elements not listed here explicitly fulfill the requirements as defined under your order given above						
material test		person in charge: Mr. Fuchs		phone	:+49 2402 105-516	
(This computer generated letter is valid without signature)				fax	:+49 2402 105-279	
				mail	:andreas.fuchs@kmdgroup.com	

dated 20.04.2020



ATTN: DINA COLEY

8010 PIEDMONT TRIAD PKWY

27409 GREENSBORO NC

USA

page 2

<b>Inspection Certificate 3.1</b> EN 10204:2005		coll. 100182373B	Producer KM	Packing List 166666	order 2108867 - 1	customer 04004800
pieces	5				weight net	5782,67 lbs
Lot Number WC405955, WC405953, WC405954, WC405951, WC405952						
your order	703314-4 2483217082 REFI					
customers material no.	703314-4			article no.	7114178	
C7025 0,30 X 23,15 SN	100-1086 Rev Z					
112-20-2 Rev AD / 107-52-18 R						
FE						0.0303
NI						2.3238
CU						remainder
The contents of all elements not listed here explicitly fulfill the requirements as defined under your order given above						
material test						
person in charge: Mr. Fuchs			phone	:+49 2402 105-616		
(This computer generated letter is valid without signature)			fax	:+49 2402 105-279		
			mail	:andreas.fuchs@kmdgroup.com		



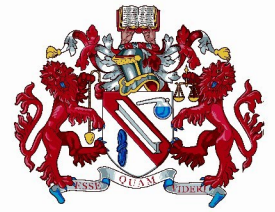
# **Section 11**

# **Initial Process Studies**



## **Section 12**

# **Qualified Laboratory Documentation**



# Certificate of Registration

QUALITY MANAGEMENT SYSTEM - IATF 16949:2016

This is to certify that:

TE Connectivity  
Global Automotive Division  
Americas North  
719 Pegg Road  
Greensboro  
North Carolina  
27409  
USA

operates a Quality Management System which complies with the requirements of IATF 16949:2016 for the following scope:

Design and manufacture of electrical interconnecting devices.

For and on behalf of BSI:

  
Carlos Pitanga, Chief Operating Officer Assurance – Americas

BSI Certificate Number: 514458-007

IATF Number: 0338830



Certification Date: 2018-10-18

Latest Issue: 2018-10-18

Page: 1 of 3

...making excellence a habit.™

Expiry Date: 2021-10-17

This certificate remains the property of BSI and shall be returned immediately upon request.

An electronic certificate can be authenticated [online](http://www.bsigroup.com/ClientDirectory). Printed copies can be validated at [www.bsigroup.com/ClientDirectory](http://www.bsigroup.com/ClientDirectory)

To be read in conjunction with the scope above or the attached appendix.

Further clarifications regarding the scope of this certificate and the applicability of IATF 16949 requirements may be obtained by consulting the organization.

IATF Contracted Office: BSI Assurance UK Limited, registered in England under number 7805321 at 389 Chiswick High Road, London W4 4AL, UK.

Location

TE Connectivity  
Global Automotive Division  
Americas North  
719 Pegg Road  
Greensboro  
North Carolina  
27409  
USA

Registered Activities

Design and manufacture of electrical interconnecting devices.

Including the following remote support functions:

TE Connectivity  
Global Automotive Division  
Americas North  
3800 Reidsville Road  
Winston-Salem  
North Carolina  
27102  
USA  
Supplier management, Sales, Testing, Product design

TE Connectivity  
Global Automotive Division  
Americas North  
20 Esna Park Drive  
Markham  
Ontario  
L3R 1E1  
Canada  
Testing, Product design

TE Connectivity  
Global Automotive Division  
Americas North  
1901 Fulling Mill Road  
Middletown  
Pennsylvania  
17057  
USA  
Customer service, Testing, Product design

TE Connectivity  
Global Automotive Division  
Americas North  
900 Wilshire Boulevard  
Suite 150  
Troy  
Michigan  
48084  
USA  
Product design

BSI Certificate Number: 514458-007

IATF Number: 0338830



Certification Date: 2018-10-18

Latest Issue: 2018-10-18

Expiry Date: 2021-10-17

Page: 2 of 3

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IATF Contracted Office: BSI Assurance UK Limited, registered in England under number 7805321 at 389 Chiswick High Road, London W4 4AL, UK.



Location

Registered Activities

TE Connectivity  
North Carolina Distribution Center  
8000 Piedmont Triad Parkway  
Greensboro  
North Carolina  
27409  
USA  
Warehousing

TE Connectivity  
Global Automotive Division  
Americas North  
2100 Paxton Street  
Harrisburg  
Pennsylvania  
17111  
USA  
Testing

TE Connectivity  
3900 Reidsville Road  
Winston Salem  
North Carolina  
27101  
USA  
Testing

TE Connectivity  
3920 Reidsville Road  
Winston Salem  
North Carolina  
27101  
USA  
Testing

Including the following extended manufacturing sites:

TE Connectivity  
Global Automotive Division  
Americas North  
233 Burgess Road  
Greensboro  
North Carolina  
27409  
USA  
Design and manufacture of electrical interconnecting devices

BSI Certificate Number: 514458-007

IATF Number: 0338830



Certification Date: 2018-10-18

Latest Issue: 2018-10-18

Expiry Date: 2021-10-17

Page: 3 of 3

This certificate remains the property of BSI and shall be returned immediately upon request.

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To be read in conjunction with the scope above or the attached appendix.

Further clarifications regarding the scope of this certificate and the applicability of IATF 16949 requirements may be obtained by consulting the organization.

IATF Contracted Office: BSI Assurance UK Limited, registered in England under number 7805321 at 389 Chiswick High Road, London W4 4AL, UK.



## **Section 13**

# **Appearance Approval Report**

**Not Applicable**



## **Section 14**

# **Sample Product**

**Sent in separate package  
(if required)**



# **Section 15**

# **Master Sample**

**Retained at manufacturing location**

# Section 16

# Checking Aids

**Not Applicable**



## **Section 17**

# **Records of Compliance with Customer-Specific Requirements**



# MDS Report

## Substances of assemblies and materials

This report is for internal Automotive industry use only. Distribution to non-Automotive clients is a violation of the Terms of Use, and is not permitted unless a written permission was given by DXC Technology. Parsing is not allowed.

### 1. Company and Product Name

#### 1.1 Supplier Data

Name [ID]: **Tyco Electronics GAD [913]**  
DUNS Number: -  
Street/Postal Code: **Amperestr. 12-14**  
Nat./ZipCode/City: **DE 64625 Bensheim**  
Supplier Code: -  
Contact Person: **IMDS Team (India) Engineering Services**  
- Phone: -  
- Fax No.: -  
- E-Mail Address: **imds@te.com**

#### 1.2 Product Identification

Part/Item No.: **770520-3**  
Description: **Contact AMP Seal**  
Report No.: -  
Date of Report: -  
Purchase Order No.: -  
Bill of Delivery No.: -  
Preliminary MDS: **No**  
IMDS ID / Version: **20510860 / 14**  
Node ID: **964372492**  
MDS Status (Change Date): **Internally released (10/12/2020)**

# MDS Report

## Substances of assemblies and materials

Materials which are subject to legal prohibitions must not be included!  
 Dangerous substances formed or released during use must also be declared  
 Please note: GADSL list for substances that require declaration

### 2. Characterization of the Component

Part/Item No.: **770520-3**  
 Description: **Contact AMP Seal**

Report No.: **-**  
 IMDS ID / Version: **20510860 / 14**  
 Node ID: **964372492**

Tree Level	Description Article Name Name Substance name	Part/Item No. Item- /Mat.-No. Material-No. CAS No.	IMDS ID / Version	Quantity	Weight [g]	Portion [%]	Portion (from - to) [%]	Classif. GADSL, SVHC	Parts Marking Recyclate (Indust./Consumer) Application [ID]
1	Contact AMP Seal	770520-3	20510860 / 14		0.235				
├2	Copper Nickel		73855529 / 5		0.2302			3.2	No
├3	Copper	7440-50-8				94.775		D	
├3	Nickel	7440-02-0				3.2	2.2 - 4.2	D	Not applicable [34]
├3	Cobalt	7440-48-4				0.2	0 - 0.4	D	

IMDS ID / Version:  
User:

20510860 / 14  
Lara, Alejandra

Page:  
Date:

3 / 4  
10/20/20 5:08:23 PM

Tree Level	Description Article Name Name Substance name	Part/Item No. Item- /Mat.-No. Material-No. CAS No.	IMDS ID / Version	Quantity	Weight [g]	Portion [%]	Portion (from - to) [%]	Classif. GADSL, SVHC	Parts Marking Recyclate (Indust./Consumer) Application [ID]
└3	Silicon	7440-21-3				0.725	0.25 - 1.2		
└3	Iron	7439-89-6				0.1	0 - 0.2		
└3	Magnesium (metal)	7439-95-4				0.175	0.05 - 0.3		
└3	Manganese	7439-96-5				0.05	0 - 0.1		
└3	Lead	7439-92-1				0.025	0 - 0.05	D / P / SVHC	Concentration within acceptable GADSL limits [44]
└3	Zinc (metal)	7440-66-6				0.5	0 - 1		
└3	Misc., not to declare	system				0.25	0 - 0.5		
└2	e-plate Ni (bright) (electrodeposited Nickel bright)		749088 / 2		0.003			3.4	No
└3	Carbon	7440-44-0				0.05	0 - 0.1		
└3	Nitrogen	7727-37-9				0.05	0 - 0.1		
└3	Sulphur	7704-34-9				0.075	0.05 - 0.1		
└3	Nickel	7440-02-0				99.825		D	Other application (Surface not routinely touched or nickel release rate < 0.5µg/cm2/week) [33]
└2	e-plate Sn (electrodeposited Tin Coatings, bright and matt)		756885 / 6		0.001			4.2	No
└3	Carbon	7440-44-0				0.505	0.01 - 1		
└3	Sulphur	7704-34-9				0.02	0 - 0.04		
└3	Lead	7439-92-1				0.05	0 - 0.1	D / P / SVHC	Concentration within acceptable GADSL limits [44]

Tree Level	Description Article Name Name Substance name	Part/Item No. Item- /Mat.-No. Material-No. CAS No.	IMDS ID / Version	Quantity	Weight [g]	Portion [%]	Portion (from - to) [%]	Classif. GADSL, SVHC	Parts Marking Recyclate (Indust./Consumer) Application [ID]
└3	Tin	7440-31-5				99.425			
└2	e-plate Au (functional) (electrodeposited functional Gold Coatings)		757906 / 2		0.0008			4.2	No
└3	Carbon	7440-44-0				0.005	0 - 0.01		
└3	Nitrogen	7727-37-9				0.05	0 - 0.1		
└3	Gold	7440-57-5				99.945			

This is an uncontrolled copy of a document created by IMDS. End of the report.



# **Section 18**

# **Part Submission Warrant**

# Part Submission Warrant

Part Name	<u>AMPSEAL,TERMINAL,GOLD PLATE,16-20AWG WIR</u>	Cust. Part Number	<u>55W5072</u>
Shown on Drawing No.	<u>C-770520</u>	Org. Part Number	<u>770520-3</u>
Engineering Change Level	<u>E2</u>	Dated	<u>21-Nov-2019</u>
Additional Engineering Changes	<u>N / A</u>	Dated	<u>N / A</u>
Safety and/or Government Regulation	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Purchase Order No.	<u>N / A</u>
Weight (kg)	<u>0.00023</u>		
Checking Aid Number	<u>N / A</u>	Checking Aid Engineering Change Level	<u>N / A</u>
Dated	<u>N / A</u>		

**ORGANIZATION MANUFACTURING INFORMATION**

TE Connectivity / 825043995

Supplier Name & Supplier/Vendor Code

719 Pegg Road

Street Address

Greensboro North Carolina 27409 USA

City Region Postal Code Country

**CUSTOMER SUBMITTAL INFORMATION**

Newark Electronics

Customer Name/Division

N/A

Buyer/Buyer Code

Various

Application

**MATERIALS REPORTING**

Reporting of all materials, not just Substances of Concern, may be required by certain OEMs or other customers.

Has customer-required Substances of Concern information been reported?  Yes  No

Submitted by IMDS or other customer format: 20510860 / 14

Are polymeric parts identified with appropriate ISO marking codes?  Yes  No  N/A

**REASON FOR SUBMISSION**

- |  |  |
|--|--|
| <input type="checkbox"/> Initial submission  | <input type="checkbox"/> Change to Optional Construction or Material |
| <input type="checkbox"/> Engineering Change(s)   | <input type="checkbox"/> Sub-Supplier or Material Source Change      |
| <input checked="" type="checkbox"/> Tooling: Transfer, Replacement, Refurbishment, or additional | <input type="checkbox"/> Change in Part Processing                   |
| <input type="checkbox"/> Correction of Discrepancy   | <input type="checkbox"/> Parts produced at Additional Location       |
| <input type="checkbox"/> Tooling Inactive > than 1 year  | <input type="checkbox"/> Other - please specify                      |

**REQUESTED SUBMISSION LEVEL (Check one)**

- Level 1 - Warrant only (and for designated appearance items, an Appearance Approval Report) submitted to customer.
- Level 2 - Warrant with product samples and limited supporting data submitted to customer.
- Level 3 - Warrant with product samples and complete supporting data submitted to customer.
- Level 4 - Warrant and other requirements as defined by customer.
- Level 5 - Warrant with product samples and complete supporting data reviewed at supplier's manufacturing location.

**SUBMISSION RESULTS**

The results for  dimensional measurements  material and functional tests  appearance criteria  statistical process package

These results meet all design record requirements:  YES  NO (If "NO" - Explanation Required)

Mold / Cavity / Production Process Stamping

**DECLARATION**

I affirm that the samples represented by this warrant are representative of our parts, which were made by a process that meets all Production Part Approval Process Manual 4th Edition Requirements. I further affirm that these samples were produced at a production rate of Proprietary /1 hour. I also certify that the documented evidence of such compliance is on file and available for review. I have noted any deviation from the declaration below.

EXPLANATION/COMMENTS: Production Rate is TE proprietary.

P-20-018730 & P-20-018731: Titan Phase 4, Transfer from Burgess to Pegg.

Is each Customer Tool properly tagged and numbered?  Yes  No  N/A

Organization Authorized Signature Alejandra Lara H. Date 20/10/2020

Print Name Alejandra Lara Phone No. N/A Fax No. N/A

Title PPAP Technician E-mail alejandra.lara@te.com

**FOR CUSTOMER USE ONLY (IF APPLICABLE)**

Part Warrant Disposition:  Approved  Rejected  Other

Customer Signature \_\_\_\_\_ Date \_\_\_\_\_

Print Name \_\_\_\_\_ Customer Tracking Number (optional) \_\_\_\_\_

March 2006 **CFG-1001**

Optional customer tracking number: \_\_\_\_\_



## **Section 18a**

# **Bulk Material Requirements**



**Not Applicable**