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### *PPAP Package for:*

**Customer Name: Newark Electronics**  
**Customer Part Number: 53K9031**  
**(TE Connectivity Part Number): 174463-2**  
**Date: September 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.

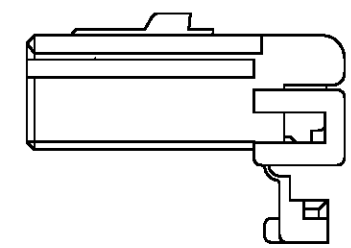
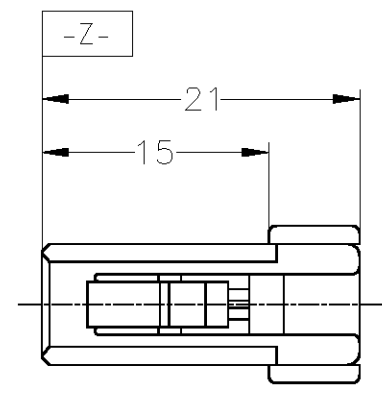
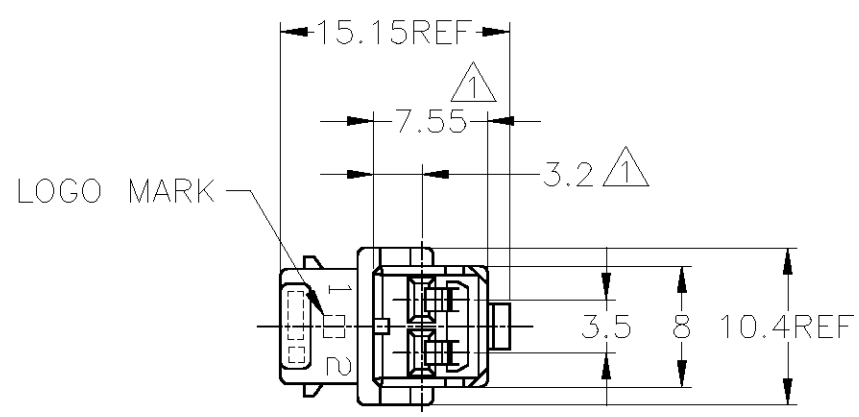


# Section 1

# Design Records

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LOC	DIST	REVISIONS					
		P	LTR	DESCRIPTION	DATE	DWN	APVD
J	-	G5	REVISED	ECR-14-013120	05SEP2014	TS	RK



- ① MUST BE KEPT BETWEEN [-Z-] AND 2
  - 2. APPLIED RECEPTACLE CONTACT PART NUMBER ; 173631, 173630.
  - 3. APPLIED CAP HOUSING PART NUMBER ; 174460, 1318444 AND 178602
- 
- ① [-Z-] 面より 2mm の範囲で測定
  - 2. 内装するリセプタクルコンタクト型番 : 173631, 173630
  - 3. 嵌合相手ハウジング型番 : 174460, 1318444 及び 178602

FJPI-174463-7	黄 (YELLOW)	174463-7
FJPI-174463-6	灰 (GRAY)	174463-6
FJPI-174463-5	青 (BLUE)	174463-5
FJPI-174463-4	黒 (BLACK)	174463-4
FJPI-174463-3	自然色 (NATURAL)	174463-3
FJPI-174463-2	黒 (BLACK)	174463-2
FJPI-174463-1	自然色 (NATURAL)	174463-1
PACKING INSTRUCTION NUMBER (梱包仕様書番号)	色 (COLOR)	製品型番 (PART NUMBER)

TOLERANCES UNLESS OTHERWISE SPECIFIED:  
一般公差

10 <sub>±</sub>	: ±0.2
30 <sub>±</sub>	> 10 : ±0.25
100 <sub>±</sub>	> 30 : ±0.3
ANGLE	: ±3°

THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS: 単位: 耗 mm	TOLERANCES UNLESS OTHERWISE SPECIFIED: 一般公差
	0 PLC ± -
	1 PLC ± -
	2 PLC ± -
	3 PLC ± -
	4 PLC ± -
ANGLES ± -	± -
MATERIAL 材料 PBT	FINISH 仕上 -

DWN M.SUGAWARA 25OCT06	TE Connectivity			
CHK K.BETSUI 25OCT06				
APVD K.BETSUI 25OCT06	NAME 名称 070 SERIES MULTI-LOCK CONNECTOR 2POSITION PLUG HOUSING (WIRE TO WIRE)			
PRODUCT SPEC 製品規格 108-5264	SIZE A3	CAGE CODE 00779	DRAWING NO 番号 C-174463	RESTRICTED TO -
APPLICATION SPEC 取付適用規格 -	WEIGHT -		SCALE 尺度 2:1	SHEET 1 OF 1
CUSTOMER DRAWING			REV G5	



## **Section 2**

# **Engineering Change Documents**



# Product Change Notification

Current Date: 14-Jul-2020

## TE Connectivity

Product Change Notification: P-19-018198

PCN Date: 11-NOV-19

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 1. Americas Footprint Optimization.

### Description of Changes

We hereby inform you about a transfer of tools and/or processes of the components of the Finished Goods that we ship to you 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 FFF, tool geometry or quality performance. 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 test 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. AMEND with PCN P-19-018058

### Reason for Changes:

Product improvement. These changes are part of an overall effort from TE to improve our supply chain toward our customers and to focus each plant on core products and processes. A TE-internal release test based on the relevant part specifications 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. TE can share validation data with your organization upon request. 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):
	03-JAN-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="#">1-1417746-2</a>	NO					
<a href="#">1-1419168-1</a>	NO		"V23542-G1506-D101"			
<a href="#">1-1419168-2</a>	NO		"V23542-G1506-D102"			
<a href="#">1-1419168-3</a>	NO		"V23542-G1506-D103"			
<a href="#">1-1419168-5</a>	NO					
<a href="#">1-1438096-8</a>	NO					
<a href="#">1-1438103-3</a>	NO					
<a href="#">1-1438103-9</a>	NO					
<a href="#">1-1438153-1</a>	NO					
<a href="#">1-1438153-3</a>	NO					
<a href="#">1-1438153-4</a>	NO					
<a href="#">1-1438153-7</a>	NO					
<a href="#">1-1438153-8</a>	NO					
<a href="#">1-1438435-3</a>	NO					
<a href="#">1-1438693-4</a>	NO					
<a href="#">1-1438693-6</a>	NO					
<a href="#">1-1438693-8</a>	NO					
<a href="#">1-1438693-9</a>	NO					
<a href="#">1-1438841-1</a>	NO					
<a href="#">1-1438841-2</a>	NO					
<a href="#">1-1438841-7</a>	NO					
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<a href="#">1-1456426-2</a>	NO					
<a href="#">1-1456426-5</a>	NO					
<a href="#">1-1456426-6</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
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<a href="#">1-1587041-4</a>	NO					
<a href="#">1-1670915-1</a>	NO					
<a href="#">1-1670917-1</a>	NO					
<a href="#">1-1718644-5</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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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="#">184042-1</a>	NO					
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<a href="#">184050-2</a>	NO					
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<a href="#">184375-1</a>	NO					
<a href="#">184391-1</a>	NO					
<a href="#">184392-1</a>	NO					
<a href="#">184392-2</a>	NO					
<a href="#">184393-1</a>	NO					
<a href="#">184393-2</a>	NO					
<a href="#">184394-1</a>	NO					
<a href="#">184396-1</a>	NO					
<a href="#">184397-1</a>	NO					
<a href="#">184398-1</a>	NO					
<a href="#">184399-1</a>	NO					
<a href="#">184400-1</a>	NO					
<a href="#">184401-1</a>	NO					
<a href="#">184435-1</a>	NO					
<a href="#">184452-1</a>	NO					
<a href="#">184455-1</a>	NO					
<a href="#">184471-1</a>	NO					
<a href="#">184471-5</a>	NO					
<a href="#">184471-7</a>	NO					
<a href="#">1924211-1</a>	NO					
<a href="#">1924211-3</a>	NO					
<a href="#">1924211-6</a>	NO					
<a href="#">1924227-2</a>	NO					
<a href="#">1924292-1</a>	NO					
<a href="#">1924292-5</a>	NO					
<a href="#">1924292-6</a>	NO					
<a href="#">1924484-1</a>	NO					
<a href="#">1924513-1</a>	NO					
<a href="#">1924674-9</a>	NO					
<a href="#">1924675-1</a>	NO					
<a href="#">1924675-4</a>	NO					
<a href="#">1924683-1</a>	NO					
<a href="#">1924684-1</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="#">1924685-1</a>	NO					
<a href="#">1924686-1</a>	NO					
<a href="#">1924689-1</a>	NO					
<a href="#">1924783-4</a>	NO					
<a href="#">1924940-5</a>	NO					
<a href="#">1924940-6</a>	NO					
<a href="#">1924941-7</a>	NO					
<a href="#">1924941-9</a>	NO					
<a href="#">1924942-1</a>	NO					
<a href="#">1924942-2</a>	NO					
<a href="#">1924942-3</a>	NO					
<a href="#">1924942-4</a>	NO					
<a href="#">1924942-5</a>	NO					
<a href="#">1924942-6</a>	NO					
<a href="#">1924943-1</a>	NO					
<a href="#">1924943-2</a>	NO					
<a href="#">1924943-3</a>	NO					
<a href="#">1924943-5</a>	NO					
<a href="#">1924943-6</a>	NO					
<a href="#">1924944-2</a>	NO					
<a href="#">1924944-4</a>	NO					
<a href="#">1924944-6</a>	NO					
<a href="#">2-1438099-8</a>	NO					
<a href="#">2-1438103-2</a>	NO					
<a href="#">2-1438103-3</a>	NO					
<a href="#">2-1438103-4</a>	NO					
<a href="#">2-1438103-6</a>	NO					
<a href="#">2-1438103-7</a>	NO					
<a href="#">2-1438103-8</a>	NO					
<a href="#">2-1438136-3</a>	NO					
<a href="#">2-1438153-1</a>	NO					
<a href="#">2-1438454-1</a>	NO					
<a href="#">2-1438950-1</a>	NO					
<a href="#">2-1670917-1</a>	NO					
<a href="#">2-1718643-1</a>	NO					
<a href="#">2-1718644-1</a>	NO					
<a href="#">2-1823608-4</a>	NO					
<a href="#">2-1823608-5</a>	NO					
<a href="#">2-1924067-0</a>	NO					
<a href="#">2-1924211-1</a>	NO					
<a href="#">2-1924513-4</a>	NO					
<a href="#">2-1924513-6</a>	NO					
<a href="#">2-1924513-7</a>	NO					
<a href="#">2-1924513-9</a>	NO					
<a href="#">2-1924675-1</a>	NO					
<a href="#">2-1924675-2</a>	NO					
<a href="#">2-1924783-6</a>	NO					
<a href="#">2-1924783-7</a>	NO					
<a href="#">2-1924783-8</a>	NO					
<a href="#">2-1924783-9</a>	NO					
<a href="#">2-1924939-2</a>	NO					
<a href="#">2-1924939-4</a>	NO					
<a href="#">2-1924939-7</a>	NO					
<a href="#">2-1924939-9</a>	NO					
<a href="#">2-1924940-3</a>	NO					
<a href="#">2-1924940-4</a>	NO					
<a href="#">2-1924941-0</a>	NO					
<a href="#">2-1924941-1</a>	NO					
<a href="#">2-2035383-2</a>	NO					
<a href="#">2-2035383-7</a>	NO					
<a href="#">2-2098922-3</a>	NO					
<a href="#">2-2098922-5</a>	NO					
<a href="#">2-2098922-8</a>	NO					
<a href="#">2-2098922-9</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="#">2-2098923-0</a>	NO					
<a href="#">2-2098923-1</a>	NO					
<a href="#">2-2098923-2</a>	NO					
<a href="#">2-2203654-3</a>	NO					
<a href="#">2-2203654-4</a>	NO					
<a href="#">2-2203654-9</a>	NO					
<a href="#">2-2203663-6</a>	NO					
<a href="#">2-2203663-8</a>	NO					
<a href="#">2-2203663-9</a>	NO					
<a href="#">2-2311078-0</a>	NO					
<a href="#">2-2311078-1</a>	NO					
<a href="#">2-2311078-5</a>	NO					
<a href="#">2-2311078-6</a>	NO					
<a href="#">2-2311078-7</a>	NO					
<a href="#">2-2311078-8</a>	NO					
<a href="#">2-2311078-9</a>	NO					
<a href="#">2-2311082-0</a>	NO					
<a href="#">2-2311082-1</a>	NO					
<a href="#">2-2311082-2</a>	NO					
<a href="#">2-2311082-3</a>	NO					
<a href="#">2-2311082-4</a>	NO					
<a href="#">2-2311082-5</a>	NO					
<a href="#">2-2311082-6</a>	NO					
<a href="#">2-2311082-9</a>	NO					
<a href="#">2-2840440-1</a>	NO					
<a href="#">2-2840672-1</a>	NO					
<a href="#">2035383-3</a>	NO					
<a href="#">2098198-5</a>	NO					
<a href="#">2098256-7</a>	NO					
<a href="#">2098269-1</a>	NO					
<a href="#">2098269-4</a>	NO					
<a href="#">2098541-1</a>	NO					
<a href="#">2098541-2</a>	NO					
<a href="#">2098541-5</a>	NO					
<a href="#">2098541-6</a>	NO					
<a href="#">2098641-1</a>	NO					
<a href="#">2098641-2</a>	NO					
<a href="#">2098641-5</a>	NO					
<a href="#">2098641-6</a>	NO					
<a href="#">2098863-2</a>	NO					
<a href="#">2098863-3</a>	NO					
<a href="#">2098863-4</a>	NO					
<a href="#">2098864-3</a>	NO					
<a href="#">2098865-1</a>	NO					
<a href="#">2098865-2</a>	NO					
<a href="#">2098865-3</a>	NO					
<a href="#">2098865-4</a>	NO					
<a href="#">2098865-5</a>	NO					
<a href="#">2098866-1</a>	NO					
<a href="#">2098866-3</a>	NO					
<a href="#">2098866-4</a>	NO					
<a href="#">2098866-5</a>	NO					
<a href="#">2098866-7</a>	NO					
<a href="#">2098922-1</a>	NO					
<a href="#">2098922-2</a>	NO					
<a href="#">2098922-6</a>	NO					
<a href="#">2098922-8</a>	NO					
<a href="#">2098922-9</a>	NO					
<a href="#">2098923-5</a>	NO					
<a href="#">2098923-6</a>	NO					
<a href="#">2098923-8</a>	NO					
<a href="#">2098923-9</a>	NO					
<a href="#">2098924-5</a>	NO					
<a href="#">2098924-7</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="#">2098924-8</a>	NO					
<a href="#">2103022-1</a>	NO					
<a href="#">2103177-5</a>	NO					
<a href="#">2103385-4</a>	NO					
<a href="#">2103628-1</a>	NO					
<a href="#">2103628-2</a>	NO					
<a href="#">2103628-4</a>	NO					
<a href="#">2103628-5</a>	NO					
<a href="#">2103628-6</a>	NO					
<a href="#">2103628-7</a>	NO					
<a href="#">2103741-2</a>	NO					
<a href="#">2103741-3</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="#">2103744-1</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="#">2138041-1</a>	NO					
<a href="#">2138041-2</a>	NO					
<a href="#">2138043-6</a>	NO					
<a href="#">2138161-1</a>	NO					
<a href="#">2138161-2</a>	NO					
<a href="#">2138161-3</a>	NO					
<a href="#">2177376-1</a>	NO					
<a href="#">2203109-6</a>	NO					
<a href="#">2203455-1</a>	NO					
<a href="#">2203455-7</a>	NO					
<a href="#">2203455-8</a>	NO					
<a href="#">2203455-9</a>	NO					
<a href="#">2203515-5</a>	NO					
<a href="#">2203516-7</a>	NO					
<a href="#">2203516-8</a>	NO					
<a href="#">2203516-9</a>	NO					
<a href="#">2203663-5</a>	NO					
<a href="#">2203773-7</a>	NO					
<a href="#">2203919-1</a>	NO					
<a href="#">2203973-2</a>	NO					
<a href="#">2203973-5</a>	NO					
<a href="#">2203973-6</a>	NO					
<a href="#">2203973-7</a>	NO					
<a href="#">2203973-8</a>	NO					
<a href="#">2203973-9</a>	NO					
<a href="#">2272033-1</a>	NO					
<a href="#">2272723-1</a>	NO					
<a href="#">2272723-5</a>	NO					
<a href="#">2272723-9</a>	NO					
<a href="#">2289050-1</a>	NO					
<a href="#">2289050-2</a>	NO					
<a href="#">2294430-1</a>	NO					
<a href="#">2294430-5</a>	NO					
<a href="#">2296698-1</a>	NO					
<a href="#">2296700-3</a>	NO					
<a href="#">2296700-6</a>	NO					
<a href="#">2296701-1</a>	NO					
<a href="#">2296701-3</a>	NO					
<a href="#">2300498-1</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="#">2300498-2</a>	NO					
<a href="#">2300498-6</a>	NO					
<a href="#">2300498-7</a>	NO					
<a href="#">2301631-2</a>	NO					
<a href="#">2304305-2</a>	NO					
<a href="#">2304306-1</a>	NO					
<a href="#">2306039-1</a>	NO					
<a href="#">2306271-1</a>	NO					
<a href="#">2306883-1</a>	NO					
<a href="#">2306884-1</a>	NO					
<a href="#">2307223-1</a>	NO					
<a href="#">2307235-1</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="#">2311069-1</a>	NO					
<a href="#">2311069-3</a>	NO					
<a href="#">2311069-4</a>	NO					
<a href="#">2311069-5</a>	NO					
<a href="#">2311069-6</a>	NO					
<a href="#">2311071-1</a>	NO					
<a href="#">2311073-9</a>	NO					
<a href="#">2311074-1</a>	NO					
<a href="#">2311075-1</a>	NO					
<a href="#">2311077-1</a>	NO					
<a href="#">2311077-2</a>	NO					
<a href="#">2311084-1</a>	NO					
<a href="#">2311084-2</a>	NO					
<a href="#">2311084-3</a>	NO					
<a href="#">2316020-1</a>	NO					
<a href="#">2316023-1</a>	NO					
<a href="#">2321028-1</a>	NO					
<a href="#">2323660-1</a>	NO					
<a href="#">2323661-1</a>	NO					
<a href="#">2324336-1</a>	NO					
<a href="#">2327375-1</a>	NO					
<a href="#">2327375-2</a>	NO					
<a href="#">2327611-1</a>	NO					
<a href="#">2327611-2</a>	NO					
<a href="#">2327904-1</a>	NO					
<a href="#">2327904-2</a>	NO					
<a href="#">2331832-1</a>	NO					
<a href="#">2332200-6</a>	NO					
<a href="#">2332200-7</a>	NO					
<a href="#">2332470-1</a>	NO					
<a href="#">2335239-1</a>	NO					
<a href="#">2336315-1</a>	NO					
<a href="#">2336318-1</a>	NO					
<a href="#">2336334-1</a>	NO					
<a href="#">2336677-1</a>	NO					
<a href="#">2337306-1</a>	NO					
<a href="#">2337311-1</a>	NO					
<a href="#">2339949-1</a>	NO					
<a href="#">2339949-2</a>	NO					
<a href="#">2339949-3</a>	NO					
<a href="#">2348609-1</a>	NO					
<a href="#">2348609-3</a>	NO					
<a href="#">2349476-1</a>	NO					
<a href="#">2840368-2</a>	NO					
<a href="#">2840595-1</a>	NO					
<a href="#">2840624-1</a>	NO					
<a href="#">2840789-1</a>	NO					
<a href="#">2840822-1</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="#">2840837-1</a>	NO					
<a href="#">2840838-1</a>	NO					
<a href="#">2840960-1</a>	NO					
<a href="#">2840960-2</a>	NO					
<a href="#">3-1419171-9</a>	NO					
<a href="#">3-1438099-1</a>	NO					
<a href="#">3-1438099-4</a>	NO					
<a href="#">3-1438099-5</a>	NO					
<a href="#">3-1438103-1</a>	NO					
<a href="#">3-1438103-3</a>	NO					
<a href="#">3-1438103-4</a>	NO					
<a href="#">3-1438103-8</a>	NO					
<a href="#">3-1438691-1</a>	NO					
<a href="#">3-1438693-1</a>	NO					
<a href="#">3-1438693-2</a>	NO					
<a href="#">3-1438693-6</a>	NO					
<a href="#">3-1438841-2</a>	NO					
<a href="#">3-1438841-5</a>	NO					
<a href="#">3-1438841-8</a>	NO					
<a href="#">3-1438950-5</a>	NO					
<a href="#">3-1587041-0</a>	NO					
<a href="#">3-1924513-2</a>	NO					
<a href="#">3-1924513-6</a>	NO					
<a href="#">3-1924513-8</a>	NO					
<a href="#">3-1924672-4</a>	NO					
<a href="#">3-1924672-7</a>	NO					
<a href="#">3-1924939-0</a>	NO					
<a href="#">3-1924939-1</a>	NO					
<a href="#">3-1924939-4</a>	NO					
<a href="#">3-1924939-5</a>	NO					
<a href="#">3-1924939-8</a>	NO					
<a href="#">3-2035383-3</a>	NO					
<a href="#">3-2035383-5</a>	NO					
<a href="#">3-2035383-7</a>	NO					
<a href="#">3-2035383-8</a>	NO					
<a href="#">3-2098269-1</a>	NO					
<a href="#">3-2098269-2</a>	NO					
<a href="#">3-2098269-3</a>	NO					
<a href="#">3-2098269-6</a>	NO					
<a href="#">3-2098269-7</a>	NO					
<a href="#">3-2098269-8</a>	NO					
<a href="#">3-2098922-0</a>	NO					
<a href="#">3-2098922-3</a>	NO					
<a href="#">3-2098922-5</a>	NO					
<a href="#">3-2098922-7</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="#">3-2203654-2</a>	NO					
<a href="#">3-2203654-4</a>	NO					
<a href="#">3-2203654-5</a>	NO					
<a href="#">3-2203663-1</a>	NO					
<a href="#">3-2203663-3</a>	NO					
<a href="#">3-2311078-0</a>	NO					
<a href="#">3-2311078-1</a>	NO					
<a href="#">3-2311078-2</a>	NO					
<a href="#">3-2311078-3</a>	NO					
<a href="#">3-2311078-4</a>	NO					
<a href="#">3-2311078-5</a>	NO					
<a href="#">3-2311078-6</a>	NO					
<a href="#">3-2311078-7</a>	NO					
<a href="#">3-2311078-9</a>	NO					
<a href="#">3-2311082-0</a>	NO					
<a href="#">3-2311082-2</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="#">3-2311082-5</a>	NO					
<a href="#">3-2311082-6</a>	NO					
<a href="#">3-2311082-7</a>	NO					
<a href="#">3-2311082-8</a>	NO					
<a href="#">3-2311082-9</a>	NO					
<a href="#">319234-2</a>	NO					
<a href="#">4-1419171-0</a>	NO					
<a href="#">4-1419171-1</a>	NO					
<a href="#">4-1438090-7</a>	NO					
<a href="#">4-1438099-7</a>	NO					
<a href="#">4-1438099-8</a>	NO					
<a href="#">4-1438136-2</a>	NO					
<a href="#">4-1438136-3</a>	NO					
<a href="#">4-1438691-1</a>	NO					
<a href="#">4-1438691-6</a>	NO					
<a href="#">4-1438693-2</a>	NO					
<a href="#">4-1438693-3</a>	NO					
<a href="#">4-1438693-5</a>	NO					
<a href="#">4-1438841-0</a>	NO					
<a href="#">4-1438841-1</a>	NO					
<a href="#">4-1438841-5</a>	NO					
<a href="#">4-1456426-1</a>	NO					
<a href="#">4-1488991-1</a>	NO					
<a href="#">4-1488991-2</a>	NO					
<a href="#">4-1587041-6</a>	NO					
<a href="#">4-1924067-1</a>	NO					
<a href="#">4-1924067-2</a>	NO					
<a href="#">4-1924225-7</a>	NO					
<a href="#">4-1924225-8</a>	NO					
<a href="#">4-1924292-1</a>	NO					
<a href="#">4-1924513-2</a>	NO					
<a href="#">4-1924513-3</a>	NO					
<a href="#">4-1924513-4</a>	NO					
<a href="#">4-1924513-5</a>	NO					
<a href="#">4-1924513-6</a>	NO					
<a href="#">4-1924513-7</a>	NO					
<a href="#">4-1924513-8</a>	NO					
<a href="#">4-1924513-9</a>	NO					
<a href="#">4-1924783-1</a>	NO					
<a href="#">4-1924783-2</a>	NO					
<a href="#">4-1924783-3</a>	NO					
<a href="#">4-1924783-4</a>	NO					
<a href="#">4-1924783-9</a>	NO					
<a href="#">4-1924939-2</a>	NO					
<a href="#">4-1924939-3</a>	NO					
<a href="#">4-1924939-5</a>	NO					
<a href="#">4-1924939-6</a>	NO					
<a href="#">4-1924939-7</a>	NO					
<a href="#">4-1924939-8</a>	NO					
<a href="#">4-1924939-9</a>	NO					
<a href="#">4-2035383-1</a>	NO					
<a href="#">4-2035383-6</a>	NO					
<a href="#">4-2035383-7</a>	NO					
<a href="#">4-2035383-8</a>	NO					
<a href="#">4-2035383-9</a>	NO					
<a href="#">4-2098269-1</a>	NO					
<a href="#">4-2098269-2</a>	NO					
<a href="#">4-2098269-5</a>	NO					
<a href="#">4-2098269-6</a>	NO					
<a href="#">4-2098269-7</a>	NO					
<a href="#">4-2098269-8</a>	NO					
<a href="#">4-2098541-1</a>	NO					
<a href="#">4-2098541-2</a>	NO					
<a href="#">4-2098559-1</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="#">4-2098641-1</a>	NO					
<a href="#">4-2098641-2</a>	NO					
<a href="#">4-2098922-1</a>	NO					
<a href="#">4-2098922-2</a>	NO					
<a href="#">4-2098922-3</a>	NO					
<a href="#">4-2098922-4</a>	NO					
<a href="#">4-2098922-6</a>	NO					
<a href="#">4-2098922-8</a>	NO					
<a href="#">4-2103015-1</a>	NO					
<a href="#">4-2103015-2</a>	NO					
<a href="#">4-2103015-4</a>	NO					
<a href="#">4-2103015-5</a>	NO					
<a href="#">4-2103015-6</a>	NO					
<a href="#">4-2103177-1</a>	NO					
<a href="#">4-2103177-2</a>	NO					
<a href="#">4-2103177-4</a>	NO					
<a href="#">4-2103177-5</a>	NO					
<a href="#">4-2103177-6</a>	NO					
<a href="#">4-2103177-7</a>	NO					
<a href="#">4-2103350-1</a>	NO					
<a href="#">4-2103350-2</a>	NO					
<a href="#">4-2103350-4</a>	NO					
<a href="#">4-2103350-5</a>	NO					
<a href="#">4-2103587-1</a>	NO					
<a href="#">4-2103587-2</a>	NO					
<a href="#">4-2203654-2</a>	NO					
<a href="#">4-2203654-3</a>	NO					
<a href="#">4-2203654-6</a>	NO					
<a href="#">4-2203654-7</a>	NO					
<a href="#">4-2203654-8</a>	NO					
<a href="#">4-2203654-9</a>	NO					
<a href="#">4-2203663-3</a>	NO					
<a href="#">4-2203663-4</a>	NO					
<a href="#">4-2203663-6</a>	NO					
<a href="#">4-2203663-7</a>	NO					
<a href="#">4-2203663-8</a>	NO					
<a href="#">4-2203663-9</a>	NO					
<a href="#">4-2272003-1</a>	NO					
<a href="#">4-2272003-2</a>	NO					
<a href="#">4-2272003-3</a>	NO					
<a href="#">4-2272003-4</a>	NO					
<a href="#">4-2272003-5</a>	NO					
<a href="#">4-2272004-1</a>	NO					
<a href="#">4-2272004-2</a>	NO					
<a href="#">4-2272005-1</a>	NO					
<a href="#">4-2272005-2</a>	NO					
<a href="#">4-2272173-1</a>	NO					
<a href="#">4-2272173-2</a>	NO					
<a href="#">4-2272173-3</a>	NO					
<a href="#">4-2840548-1</a>	NO					
<a href="#">4-2840548-2</a>	NO					
<a href="#">5-1438099-1</a>	NO					
<a href="#">5-1438129-9</a>	NO					
<a href="#">5-1438691-4</a>	NO					
<a href="#">5-1438691-6</a>	NO					
<a href="#">5-1438691-7</a>	NO					
<a href="#">5-1438841-9</a>	NO					
<a href="#">5-1557773-1</a>	NO					
<a href="#">5-1557773-2</a>	NO					
<a href="#">5-1557773-3</a>	NO					
<a href="#">5-1557773-5</a>	NO					
<a href="#">5-1557774-1</a>	NO					
<a href="#">5-1557774-3</a>	NO					
<a href="#">5-1557774-4</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="#">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="#">5-1557911-1</a>	NO					
<a href="#">5-1557915-1</a>	NO					
<a href="#">5-1557921-1</a>	NO					
<a href="#">5-1557922-1</a>	NO					
<a href="#">5-1587041-6</a>	NO					
<a href="#">5-1587041-7</a>	NO					
<a href="#">5-1924225-3</a>	NO					
<a href="#">5-1924225-5</a>	NO					
<a href="#">5-1924225-7</a>	NO					
<a href="#">5-1924225-9</a>	NO					
<a href="#">5-1924513-0</a>	NO					
<a href="#">5-1924513-1</a>	NO					
<a href="#">5-1924513-3</a>	NO					
<a href="#">5-1924513-5</a>	NO					
<a href="#">5-1924513-6</a>	NO					
<a href="#">5-1924513-8</a>	NO					
<a href="#">5-1924783-0</a>	NO					
<a href="#">5-1924783-2</a>	NO					
<a href="#">5-1924783-3</a>	NO					
<a href="#">5-1924783-4</a>	NO					
<a href="#">5-1924783-5</a>	NO					
<a href="#">5-1924939-0</a>	NO					
<a href="#">5-1924939-1</a>	NO					
<a href="#">5-1924939-4</a>	NO					
<a href="#">5-1924939-5</a>	NO					
<a href="#">5-1924939-6</a>	NO					
<a href="#">5-1924939-7</a>	NO					
<a href="#">5-1924939-9</a>	NO					
<a href="#">5-2035383-0</a>	NO					
<a href="#">5-2035383-3</a>	NO					
<a href="#">5-2035383-6</a>	NO					
<a href="#">5-2098269-0</a>	NO					
<a href="#">5-2098922-9</a>	NO					
<a href="#">5-2103177-1</a>	NO					
<a href="#">5-2203455-5</a>	NO					
<a href="#">5-2203654-0</a>	NO					
<a href="#">5-2203654-1</a>	NO					
<a href="#">5-2203654-3</a>	NO					
<a href="#">5-2203654-6</a>	NO					
<a href="#">5-2203654-7</a>	NO					
<a href="#">5-2203654-8</a>	NO					
<a href="#">5-2203654-9</a>	NO					
<a href="#">5-2203663-0</a>	NO					
<a href="#">5-2203663-1</a>	NO					
<a href="#">5-2203663-3</a>	NO					
<a href="#">5-2203663-8</a>	NO					
<a href="#">5-2203663-9</a>	NO					
<a href="#">5-2272723-1</a>	NO					
<a href="#">5-2272723-5</a>	NO					
<a href="#">5-2272723-7</a>	NO					
<a href="#">5-2272723-9</a>	NO					
<a href="#">5-2311082-3</a>	NO					
<a href="#">5-2311082-4</a>	NO					
<a href="#">5-2311082-5</a>	NO					
<a href="#">5-2311082-6</a>	NO					
<a href="#">6-1438090-7</a>	NO					
<a href="#">6-1438691-0</a>	NO					
<a href="#">6-1438841-3</a>	NO					
<a href="#">6-1438841-5</a>	NO					
<a href="#">6-1438841-7</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="#">6-1924225-0</a>	NO					
<a href="#">6-1924225-1</a>	NO					
<a href="#">6-1924225-2</a>	NO					
<a href="#">6-1924225-5</a>	NO					
<a href="#">6-1924225-6</a>	NO					
<a href="#">6-1924225-7</a>	NO					
<a href="#">6-1924225-8</a>	NO					
<a href="#">6-1924783-0</a>	NO					
<a href="#">6-1924783-2</a>	NO					
<a href="#">6-1924783-6</a>	NO					
<a href="#">6-1924783-7</a>	NO					
<a href="#">6-1924783-9</a>	NO					
<a href="#">6-1924939-0</a>	NO					
<a href="#">6-1924939-1</a>	NO					
<a href="#">6-1924939-2</a>	NO					
<a href="#">6-1924939-3</a>	NO					
<a href="#">6-1924939-4</a>	NO					
<a href="#">6-1924939-5</a>	NO					
<a href="#">6-1924939-6</a>	NO					
<a href="#">6-1924939-7</a>	NO					
<a href="#">6-1924939-8</a>	NO					
<a href="#">6-1924939-9</a>	NO					
<a href="#">6-2035383-0</a>	NO					
<a href="#">6-2035383-2</a>	NO					
<a href="#">6-2035383-3</a>	NO					
<a href="#">6-2035383-5</a>	NO					
<a href="#">6-2035383-6</a>	NO					
<a href="#">6-2035383-9</a>	NO					
<a href="#">6-2098922-0</a>	NO					
<a href="#">6-2098922-6</a>	NO					
<a href="#">6-2098922-7</a>	NO					
<a href="#">6-2098922-8</a>	NO					
<a href="#">6-2103177-4</a>	NO					
<a href="#">6-2203654-0</a>	NO					
<a href="#">6-2203654-6</a>	NO					
<a href="#">6-2203654-7</a>	NO					
<a href="#">6-2203654-8</a>	NO					
<a href="#">6-2203654-9</a>	NO					
<a href="#">6-2203663-0</a>	NO					
<a href="#">6-2203663-2</a>	NO					
<a href="#">6-2203663-5</a>	NO					
<a href="#">6-2203663-6</a>	NO					
<a href="#">6-2203663-7</a>	NO					
<a href="#">6-2203663-9</a>	NO					
<a href="#">6-2272723-0</a>	NO					
<a href="#">638514-1</a>	NO					
<a href="#">638514-8</a>	NO					
<a href="#">7-1438136-2</a>	NO					
<a href="#">7-1438136-3</a>	NO					
<a href="#">7-1438691-4</a>	NO					
<a href="#">7-1438691-7</a>	NO					
<a href="#">7-1438691-8</a>	NO					
<a href="#">7-1438691-9</a>	NO					
<a href="#">7-1438841-1</a>	NO					
<a href="#">7-1438841-2</a>	NO					
<a href="#">7-1438841-3</a>	NO					
<a href="#">7-1438841-5</a>	NO					
<a href="#">7-1438841-6</a>	NO					
<a href="#">7-1456659-0</a>	NO					
<a href="#">7-1456659-1</a>	NO					
<a href="#">7-1456659-3</a>	NO					
<a href="#">7-1456659-7</a>	NO					
<a href="#">7-1456659-8</a>	NO					
<a href="#">7-1456659-9</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="#">7-1924225-0</a>	NO					
<a href="#">7-1924225-1</a>	NO					
<a href="#">7-1924225-2</a>	NO					
<a href="#">7-1924225-3</a>	NO					
<a href="#">7-1924783-0</a>	NO					
<a href="#">7-1924783-1</a>	NO					
<a href="#">7-1924783-2</a>	NO					
<a href="#">7-1924783-3</a>	NO					
<a href="#">7-1924783-4</a>	NO					
<a href="#">7-1924783-5</a>	NO					
<a href="#">7-1924783-6</a>	NO					
<a href="#">7-1924783-7</a>	NO					
<a href="#">7-1924783-8</a>	NO					
<a href="#">7-1924783-9</a>	NO					
<a href="#">7-1924939-0</a>	NO					
<a href="#">7-2035383-0</a>	NO					
<a href="#">7-2035383-2</a>	NO					
<a href="#">7-2035383-3</a>	NO					
<a href="#">7-2035383-8</a>	NO					
<a href="#">7-2098922-2</a>	NO					
<a href="#">7-2098922-3</a>	NO					
<a href="#">7-2098922-6</a>	NO					
<a href="#">7-2098922-8</a>	NO					
<a href="#">7-2203654-0</a>	NO					
<a href="#">7-2203654-1</a>	NO					
<a href="#">7-2203654-2</a>	NO					
<a href="#">7-2203654-3</a>	NO					
<a href="#">7-2203654-9</a>	NO					
<a href="#">7-2203663-0</a>	NO					
<a href="#">7-2203663-1</a>	NO					
<a href="#">776905-8</a>	NO					
<a href="#">8-1438129-4</a>	NO					
<a href="#">8-1438129-5</a>	NO					
<a href="#">8-1438136-2</a>	NO					
<a href="#">8-1438691-0</a>	NO					
<a href="#">8-1438691-1</a>	NO					
<a href="#">8-1438691-2</a>	NO					
<a href="#">8-1438691-3</a>	NO					
<a href="#">8-1438691-4</a>	NO					
<a href="#">8-1438691-5</a>	NO					
<a href="#">8-1438691-7</a>	NO					
<a href="#">8-1438691-8</a>	NO					
<a href="#">8-1438841-3</a>	NO					
<a href="#">8-1438841-4</a>	NO					
<a href="#">8-1438841-5</a>	NO					
<a href="#">8-1438950-3</a>	NO					
<a href="#">8-1438950-5</a>	NO					
<a href="#">8-1438950-6</a>	NO					
<a href="#">8-1456659-0</a>	NO					
<a href="#">8-1456659-7</a>	NO					
<a href="#">8-1456659-9</a>	NO					
<a href="#">8-1924783-1</a>	NO					
<a href="#">8-2035383-0</a>	NO					
<a href="#">8-2035383-3</a>	NO					
<a href="#">8-2035383-9</a>	NO					
<a href="#">828904-1</a>	NO		"CF0547-000", "AMP-0-0828904-1", "80.264.00", "8202609390", "8202611101"			
<a href="#">828904-2</a>	NO					
<a href="#">828922-1</a>	NO		"EG9737-000", "AMP-0-0828922-1", "80.263.00", "820A-37376"			
<a href="#">828922-2</a>	NO					
<a href="#">9-1438090-6</a>	NO					
<a href="#">9-1438136-6</a>	NO					
<a href="#">9-1438841-4</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="#">9-1438841-7</a>	NO					
<a href="#">9-1456659-2</a>	NO					
<a href="#">9-1456659-7</a>	NO					
<a href="#">9-2035383-4</a>	NO					
<a href="#">9-2035383-5</a>	NO					
<a href="#">9-2035383-6</a>	NO					
<a href="#">9-2035383-7</a>	NO					
<a href="#">963292-1</a>	NO					
<a href="#">963293-1</a>	NO					
<a href="#">963530-1</a>	NO		"1072609867", "820P-37717", "820P-37904", "43119-000"			
<a href="#">963531-1</a>	NO		"1072607258"			
<a href="#">964972-1</a>	NO					
<a href="#">967067-1</a>	NO		"0-0967067-1", "EG9740-000", "AMP-0-0967067-1"			
<a href="#">967067-2</a>	NO					



# Product Change Notification

Current Date: 14-Jul-2020

## TE Connectivity

Product Change Notification: P-19-018199

PCN Date: 11-NOV-19

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 1. Americas Footprint Optimization.

### Description of Changes

We hereby inform you about a transfer of tools and/or processes of the components of the Finished Goods that we ship to you 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 FFF, tool geometry or quality performance. 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 test 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. AMEND with PCN P-19-018058

### Reason for Changes:

Product improvement. These changes are part of an overall effort from TE to improve our supply chain toward our customers and to focus each plant on core products and processes. A TE-internal release test based on the relevant part specifications 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. TE can share validation data with your organization upon request. 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):
	03-JAN-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="#">1-1438356-1</a>	NO					
<a href="#">1-1438356-8</a>	NO					
<a href="#">1-1438454-1</a>	NO					
<a href="#">1-1924940-1</a>	NO					
<a href="#">1-1924940-3</a>	NO					
<a href="#">1-1924940-7</a>	NO					
<a href="#">1-1924940-8</a>	NO					
<a href="#">1-1924940-9</a>	NO					
<a href="#">1-2203312-1</a>	NO					
<a href="#">1-2203312-2</a>	NO					
<a href="#">1-2203312-3</a>	NO					
<a href="#">1-2203773-3</a>	NO					
<a href="#">1438129-1</a>	NO					
<a href="#">1438129-2</a>	NO					
<a href="#">1438129-3</a>	NO					
<a href="#">1456554-1</a>	NO					
<a href="#">1557407-2</a>	NO					
<a href="#">1557407-3</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="#">1557873-1</a>	NO					
<a href="#">1587902-2</a>	NO					
<a href="#">1670120-1</a>	NO					
<a href="#">1670120-2</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="#">184002-1</a>	NO					
<a href="#">184020-1</a>	NO					
<a href="#">184097-1</a>	NO					
<a href="#">184099-1</a>	NO					
<a href="#">184344-1</a>	NO					
<a href="#">184471-6</a>	NO					
<a href="#">184471-8</a>	NO					
<a href="#">2-1438693-0</a>	NO					
<a href="#">2-1438693-1</a>	NO					
<a href="#">2-1438693-8</a>	NO					
<a href="#">2-1438693-9</a>	NO					
<a href="#">2-1456659-4</a>	NO					
<a href="#">2-1924225-9</a>	NO					
<a href="#">2098557-1</a>	NO					
<a href="#">2098557-2</a>	NO					
<a href="#">2098557-4</a>	NO					
<a href="#">2098557-7</a>	NO					
<a href="#">2098559-5</a>	NO					
<a href="#">2098559-6</a>	NO					
<a href="#">2098559-7</a>	NO					
<a href="#">2098559-8</a>	NO					
<a href="#">2098863-5</a>	NO					
<a href="#">2098863-6</a>	NO					
<a href="#">2098863-7</a>	NO					
<a href="#">2098863-8</a>	NO					
<a href="#">2098863-9</a>	NO					
<a href="#">2103149-1</a>	NO					
<a href="#">2103149-4</a>	NO					
<a href="#">2103149-7</a>	NO					
<a href="#">2103534-1</a>	NO					
<a href="#">2103534-2</a>	NO					
<a href="#">2103534-4</a>	NO					
<a href="#">2138089-1</a>	NO					
<a href="#">2203654-5</a>	NO					
<a href="#">2203654-9</a>	NO					
<a href="#">2272763-1</a>	NO					
<a href="#">2311072-1</a>	NO					
<a href="#">2321027-1</a>	NO					
<a href="#">2324337-1</a>	NO					
<a href="#">3-1438136-4</a>	NO					
<a href="#">3-1924783-0</a>	NO					
<a href="#">3-1924783-7</a>	NO					
<a href="#">3-1924783-8</a>	NO					
<a href="#">3-1924783-9</a>	NO					
<a href="#">4-2098557-1</a>	NO					
<a href="#">4-2311082-0</a>	NO					
<a href="#">4-2311082-1</a>	NO					
<a href="#">4-2311082-2</a>	NO					
<a href="#">4-2311082-4</a>	NO					
<a href="#">4-2311082-5</a>	NO					
<a href="#">4-2311082-6</a>	NO					
<a href="#">4-2311082-7</a>	NO					
<a href="#">4-2311082-8</a>	NO					
<a href="#">5-1456659-3</a>	NO					
<a href="#">5-1456659-8</a>	NO					
<a href="#">5-1557909-1</a>	NO					
<a href="#">5-1557910-1</a>	NO					
<a href="#">5-1557910-2</a>	NO					
<a href="#">5-1924670-0</a>	NO					
<a href="#">5-2304580-1</a>	NO					
<a href="#">6-1438136-2</a>	NO					
<a href="#">6-1438136-8</a>	NO					
<a href="#">6-1438136-9</a>	NO					
<a href="#">6-1587041-6</a>	NO					
<a href="#">6-1587041-9</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="#">776671-1</a>	NO					
<a href="#">776834-3</a>	NO					
<a href="#">776834-4</a>	NO					
<a href="#">776834-5</a>	NO					
<a href="#">776887-2</a>	NO					
<a href="#">776887-3</a>	NO					
<a href="#">776887-5</a>	NO					
<a href="#">9-1438691-0</a>	NO					
<a href="#">9-1438691-1</a>	NO					
<a href="#">9-1438691-3</a>	NO					
<a href="#">9-2301631-2</a>	NO					
<a href="#">963294-1</a>	NO					



## **Section 3**

# **Customer Engineering Approval**



**Not Applicable**



# 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**





## Datos de Estudio - Gage R & R

METROLOGY LABORATORY

Blvd. Industrial Norte #23 esq. Con Blvd. Solidaridad  
Parque Industrial Norte  
Phone: +52 (662)-3195577

PART NO. : 174463-1  
PART DESC. : 070 SERIES MULT-LOCK CONNECTOR 2P  
SPEC. : 8.00 ± 0.1  
TOL. SPREAD : 0.20

GAGE Name : Grosor  
GAGE NO. : Micrometro EMIC-049  
GAGE TYPE : Digital

OPERADOR A : Daniel Corona  
OPERADOR B : Agustin Garcia  
OPERADOR C : Margarito R.

Definir proposito del sistema de gage: (X)	Metrology Lab instrument	Gauging:	QIP Inspeccion:	SPC:
--------------------------------------------	--------------------------	----------	-----------------	------

Operator A -				
	Trial 1	Trial 2	Trial 3	Range
1	8.063	8.067	8.067	0.004
2	8.084	8.081	8.080	0.004
3	8.085	8.081	8.084	0.004
4	8.072	8.073	8.072	0.001
5	8.064	8.069	8.068	0.005
6	8.039	8.032	8.033	0.007
7	8.064	8.064	8.069	0.005
8	8.070	8.073	8.071	0.003
9	8.082	8.081	8.087	0.006
10	8.081	8.075	8.079	0.006
Avg.	8.0704	8.0696	8.0710	
R	0.0460	0.0490	0.0540	

Operator B -				
	Trial 1	Trial 2	Trial 3	Range
1	8.061	8.065	8.065	0.004
2	8.082	8.080	8.082	0.002
3	8.084	8.085	8.082	0.003
4	8.071	8.074	8.072	0.003
5	8.060	8.067	8.066	0.007
6	8.034	8.039	8.035	0.005
7	8.065	8.068	8.068	0.003
8	8.074	8.071	8.070	0.004
9	8.084	8.085	8.087	0.003
10	8.081	8.076	8.081	0.005
Avg.	8.0696	8.0710	8.0708	
R	0.0500	0.0460	0.0520	

Operator C -				
	Trial 1	Trial 2	Trial 3	Range
1	8.061	8.065	8.068	0.007
2	8.082	8.080	8.083	0.003
3	8.081	8.081	8.084	0.003
4	8.072	8.068	8.071	0.004
5	8.069	8.064	8.063	0.006
6	8.032	8.037	8.035	0.005
7	8.066	8.063	8.067	0.004
8	8.073	8.072	8.073	0.001
9	8.080	8.084	8.082	0.004
10	8.075	8.079	8.079	0.004
Avg.	8.0691	8.0693	8.0705	
R	0.0500	0.0470	0.0490	

Part	1	2	3	4	5	6	7	8	9	10
Avg.	8.0647	8.0816	8.0830	8.0717	8.0656	8.0351	8.0660	8.0719	8.0836	8.0784

RESULTS SUMMARY																					
XBARa =	8.0703	RBARa =	0.0045																		
XBARb =	8.0705	RBARb =	0.0039																		
XBARc =	8.0696	RBARc =	0.0041																		
		XdoubleBAR =	8.0701																		
		RdoubleBAR =	0.0042																		
		XBARdiff =	0.0008																		
		UCLr =	0.0108																		
		LCLr =	0.0000																		
		<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th></th> <th>% Variation</th> <th>% Tolerance</th> </tr> </thead> <tbody> <tr> <td>REPEATABILITY - EQUIPMENT VARIATION (EV)</td> <td>16.0%</td> <td>6.35%</td> </tr> <tr> <td>REPRODUCIBILITY - APPRAISER VARIATION (AV)</td> <td>0.7%</td> <td>0.28%</td> </tr> <tr> <td>REPEATABILITY &amp; REPRODUCIBILITY (R &amp; R)</td> <td>16.0%</td> <td>6.36%</td> </tr> <tr> <td>PART VARIATION (PV)</td> <td>98.7%</td> <td>39.24%</td> </tr> <tr> <td>TOTAL VARIATION (TV)</td> <td>7.95%</td> <td>39.75%</td> </tr> </tbody> </table>			% Variation	% Tolerance	REPEATABILITY - EQUIPMENT VARIATION (EV)	16.0%	6.35%	REPRODUCIBILITY - APPRAISER VARIATION (AV)	0.7%	0.28%	REPEATABILITY & REPRODUCIBILITY (R & R)	16.0%	6.36%	PART VARIATION (PV)	98.7%	39.24%	TOTAL VARIATION (TV)	7.95%	39.75%
	% Variation	% Tolerance																			
REPEATABILITY - EQUIPMENT VARIATION (EV)	16.0%	6.35%																			
REPRODUCIBILITY - APPRAISER VARIATION (AV)	0.7%	0.28%																			
REPEATABILITY & REPRODUCIBILITY (R & R)	16.0%	6.36%																			
PART VARIATION (PV)	98.7%	39.24%																			
TOTAL VARIATION (TV)	7.95%	39.75%																			
		SIGNAL-TO-NOISE RATIO :	6.2																		
		DATA CATEGORIES :	8.7																		

**CONCLUSION:** NOTE: Reference AIAG Measurement System Analysis (MSA) for acceptance criteria.  
Accept gaging system with Gage R&R of 6.4% (tolerance method)  
 Alternate calculation: Marginal gaging system with Gage R&R of 16.0% (variation method)  
Accept gaging system with Data Categories of 8.7  
 Gaging system acceptable based upon R&R and /or Data Category values.  
 Note: Engineering and Management authorization required for "Marginal" Gaging system.

**DEFINE GAGE PROCEDURE:**

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**REMARKS:**

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\_\_\_\_\_  
Héctor Salazar  
Evaluador

\_\_\_\_\_  
17-Jul-20  
Fecha:

\_\_\_\_\_  
N/A  
Autorizacion Gerencial y de Ingenieria para "Marginal"

\_\_\_\_\_  
N/A  
Fecha:



## Datos de Estudio - Gage R & R

METROLOGY LABORATORY

Bld. Industrial Norte #23 esq. Con Blvd. Solidaridad  
Parque Industrial Norte  
Phone: +52 (662)-3195577

PART NO. : 174463-1  
PART DESC. : 070 SERIES MULT-LOCK CONNECTOR 2P  
SPEC. : 7.55 ± 0.1  
TOL. SPREAD : 0.20

GAGE Name : Altura  
GAGE NO. : Micrometro EMIC-049  
GAGE TYPE : Digital

OPERADOR A : Daniel Corona  
OPERADOR B : Nancy Frias  
OPERADOR C : Margarito R.

Definir proposito del sistema de gage: (X)	Metrology Lab instrument	Gauging:	QIP Inspeccion:	SPC:
--------------------------------------------	--------------------------	----------	-----------------	------

Operator A -				
	Trial 1	Trial 2	Trial 3	Range
1	7.633	7.626	7.630	0.007
2	7.626	7.627	7.637	0.011
3	7.656	7.659	7.653	0.006
4	7.650	7.656	7.645	0.011
5	7.651	7.650	7.637	0.014
6	6.356	6.355	6.352	0.004
7	7.659	7.650	7.655	0.009
8	7.637	7.637	7.640	0.003
9	7.646	7.655	7.649	0.009
10	7.642	7.634	7.633	0.009
Avg.	7.5156	7.5149	7.5131	
R	1.3030	1.3040	1.3030	

Operator B -				
	Trial 1	Trial 2	Trial 3	Range
1	7.633	7.625	7.631	0.008
2	7.615	7.618	7.611	0.007
3	7.663	7.656	7.665	0.009
4	7.642	7.647	7.656	0.014
5	7.631	7.640	7.638	0.009
6	6.355	6.356	6.354	0.002
7	7.642	7.633	7.640	0.009
8	7.638	7.635	7.628	0.010
9	7.656	7.658	7.656	0.002
10	7.637	7.635	7.643	0.008
Avg.	7.5112	7.5103	7.5122	
R	1.3080	1.3020	1.3110	

Operator C -				
	Trial 1	Trial 2	Trial 3	Range
1	7.631	7.631	7.629	0.002
2	7.621	7.628	7.628	0.007
3	7.647	7.644	7.656	0.012
4	7.649	7.646	7.649	0.003
5	7.637	7.632	7.636	0.005
6	6.358	6.361	6.358	0.003
7	7.645	7.638	7.641	0.007
8	7.630	7.638	7.631	0.008
9	7.639	7.635	7.631	0.008
10	7.635	7.637	7.643	0.008
Avg.	7.5092	7.5090	7.5102	
R	1.2910	1.2850	1.2980	

Part	1	2	3	4	5	6	7	8	9	10
Avg.	7.6299	7.6234	7.6554	7.6489	7.6391	6.3561	7.6448	7.6349	7.6472	7.6377

RESULTS SUMMARY																					
XBARa =	7.5145	RBARa =	0.0083																		
XBARb =	7.5112	RBARb =	0.0078																		
XBARc =	7.5095	RBARc =	0.0063																		
		XdoubleBAR =	7.5117																		
		RdoubleBAR =	0.0075																		
		XBARdiff =	0.0051																		
		UCLr =	0.0193																		
		LCLr =	0.0000																		
		<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th></th> <th>% Variation</th> <th>% Tolerance</th> </tr> </thead> <tbody> <tr> <td>REPEATABILITY - EQUIPMENT VARIATION (EV)</td> <td>1.1%</td> <td>11.39%</td> </tr> <tr> <td>REPRODUCIBILITY - APPRAISER VARIATION (AV)</td> <td>0.6%</td> <td>6.52%</td> </tr> <tr> <td>REPEATABILITY &amp; REPRODUCIBILITY (R &amp; R)</td> <td>1.2%</td> <td>13.12%</td> </tr> <tr> <td>PART VARIATION (PV)</td> <td>100.0%</td> <td>1052.46%</td> </tr> <tr> <td>TOTAL VARIATION (TV)</td> <td>210.51%</td> <td>1052.54%</td> </tr> </tbody> </table>			% Variation	% Tolerance	REPEATABILITY - EQUIPMENT VARIATION (EV)	1.1%	11.39%	REPRODUCIBILITY - APPRAISER VARIATION (AV)	0.6%	6.52%	REPEATABILITY & REPRODUCIBILITY (R & R)	1.2%	13.12%	PART VARIATION (PV)	100.0%	1052.46%	TOTAL VARIATION (TV)	210.51%	1052.54%
	% Variation	% Tolerance																			
REPEATABILITY - EQUIPMENT VARIATION (EV)	1.1%	11.39%																			
REPRODUCIBILITY - APPRAISER VARIATION (AV)	0.6%	6.52%																			
REPEATABILITY & REPRODUCIBILITY (R & R)	1.2%	13.12%																			
PART VARIATION (PV)	100.0%	1052.46%																			
TOTAL VARIATION (TV)	210.51%	1052.54%																			
		SIGNAL-TO-NOISE RATIO :	80.2																		
		DATA CATEGORIES :	113.1																		

**CONCLUSION:** NOTE: Reference AIAG Measurement System Analysis (MSA) for acceptance criteria.  
Marginal gaging system with Gage R&R of **13.1%** (tolerance method)  
 Alternate calculation: Accept gaging system with Gage R&R of **1.2%** (variation method)  
Accept gaging system with Data Categories of **113.1**  
 Gaging system **acceptable** based upon R&R and /or Data Category values.  
 Note: Engineering and Management authorization required for "Marginal" Gaging system.

**DEFINE GAGE PROCEDURE:**

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**REMARKS:**

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\_\_\_\_\_  
Héctor Salazar  
Evaluador

\_\_\_\_\_  
17-Jul-20  
Fecha:

\_\_\_\_\_  
N/A  
Autorizacion Gerencial y de Ingenieria para "Marginal"

\_\_\_\_\_  
N/A  
Fecha:

## **Section 9**

# **Dimensional Results**

**Final assembly dimensions not affected by this change.**



METROLOGY LABORATORY  
 Blvd. Industrial Norte #23 esq. Con Blvd. Solidaridad  
 Parque Industrial Norte  
 Phone: ☎52 (662)-5003659



ISO/IEC 17025  
 DIMENSIONAL MEASUREMENT  
 ACT-2634

Web address: [www.te.com](http://www.te.com)

Part Name: 070 SERIES MULTI-LOCK CONNECTOR 2 POSITION PLUG HOUSING (WIRE TO WIRE)  
 Part Number: 174463-1 Date of report: 31Ago2020  
 Drawing Number: C-174463 Required by: Enrique Acuña  
 Revision: G 5 Title: Sr Qlty & Reliability Engineer  
 Units of measurement: mm Tool Number (if apply): N/A Laboratory Conditions  
 Temp 19.4 °C %RH 62.9

Inspection equipment and measurement of uncertainty: Refer to Instrument ID and certificate of calibration and Lab scope

Inspected By: Erasmo Nuñez / Metrology Tech Reviewed by: Felipe Alvarado  
 Email address: [erasmo.nunez@te.com](mailto:erasmo.nunez@te.com) Title: Metrology Tech Task # 1987

**MEASUREMENTS INSPECTION REPORT**

Instrument ID #	Item #	Nominal	Tolerance		Limits		Sample								Result	
			(-)	(+)	Lower	Upper	C1	C2	C3	C4	C5	C6	C7	C8	Accept	Reject
EMVU-005	4	15.15	REF	REF	REF	REF	15.338	15.036	15.184	15.195	15.179	15.252	15.161	15.395	✓	
EMVU-005	5	7.55	0.20	0.20	7.35	7.75	7.593	7.623	7.593	7.609	7.611	7.614	7.599	7.600	✓	
EMVU-005	5	7.55	0.20	0.20	7.35	7.75	7.633	7.593	7.594	7.610	7.602	7.590	7.598	7.609	✓	
EMVU-005	6a	3.20	0.20	0.20	3.00	3.40	3.189	3.206	3.205	3.208	3.192	3.201	3.195	3.199	✓	
EMVU-005	6b	3.20	0.20	0.20	3.00	3.40	3.211	3.189	3.209	3.209	3.192	3.191	3.195	3.205	✓	
EMVU-005	7	10.40	REF	REF	REF	REF	10.553	10.576	10.550	10.550	10.578	10.539	10.532	10.533	✓	
EMVU-005	8	8.00	0.20	0.20	7.80	8.20	8.020	8.048	8.045	8.024	8.034	8.027	8.024	8.020	✓	
EMVU-005	9	3.50	0.20	0.20	3.30	3.70	3.506	3.503	3.496	3.511	3.502	3.504	3.505	3.501	✓	
EMVU-005	10	21.00	0.25	0.25	20.75	21.25	21.107	21.060	21.027	21.087	21.054	21.054	21.119	21.082	✓	
EMVU-005	11	15.00	0.25	0.25	14.75	15.25	15.024	15.041	15.006	15.023	15.016	15.017	15.076	15.027	✓	

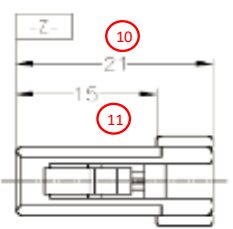
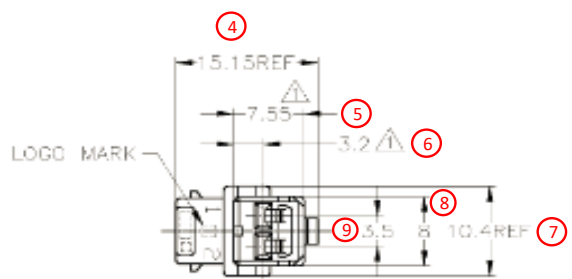
NOTES:																
1	△	MUST BE KEPT BETWEEN	-Z-	AND 2.											INFORMED	✓
2		APPLIED RECEPTABLE CONTACT PERT NUMBER	173631,	173630.											INFORMED	✓
3		APPLIED CAP HOUSING PART NUMBER	174460,	1218444 AND 178602.											INFORMED	✓

**END OF MEASUREMENTS**

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REV	DATE	DESCRIPTION	BY	CHK	APP
05	REVISED	2014-14-013120	TS	RK	

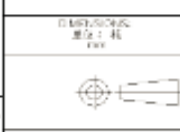


- ▲ MUST BE KEPT BETWEEN  $\square Z$  AND 2
- APPLIED RECEPTACLE CONTACT PART NUMBER : 17353, 173630
  - APPLIED CAP HOUSING PART NUMBER : 174460, 1318444 AND 178602

- ▲  $\square Z$  直交に2mmの範囲で測定
- 内装するリセプタクルコンタクト型番 : 173631, 173630
  - 嵌合相手ハウジング型番 : 174460, 1318444 及び 178602

FJPI-174463-7	黄 (YELLOW)	174463-7
FJPI-174463-5	灰 (GRAY)	174463-6
FJPI-174463-5	青 (BLUE)	174463-5
FJPI-174463-4	黒 (BLACK)	174463-4
FJPI-174463-3	自然色 (NATURAL)	174463-3
FJPI-174463-2	黒 (BLACK)	174463-2
FJPI-174463-1	自然色 (NATURAL)	174463-1
PACKING INSTRUCTION NUMBER (梱包仕様書番号)	色 (COLOR)	製品型番 (PART NUMBER)

THIS DRAWING IS A CONTROLLED DOCUMENT.



TOLERANCES UNLESS OTHERWISE SPECIFIED	寸法公差
0 P.L.C	-
1 P.L.C	-
2 P.L.C	-
3 P.L.C	-
4 P.L.C	-
5 P.L.C	-
6 P.L.C	-
7 P.L.C	-
8 P.L.C	-
9 P.L.C	-
10 P.L.C	-
11 P.L.C	-
12 P.L.C	-
13 P.L.C	-
14 P.L.C	-
15 P.L.C	-
16 P.L.C	-
17 P.L.C	-
18 P.L.C	-
19 P.L.C	-
20 P.L.C	-
21 P.L.C	-
22 P.L.C	-
23 P.L.C	-
24 P.L.C	-
25 P.L.C	-
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27 P.L.C	-
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36 P.L.C	-
37 P.L.C	-
38 P.L.C	-
39 P.L.C	-
40 P.L.C	-
41 P.L.C	-
42 P.L.C	-
43 P.L.C	-
44 P.L.C	-
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95 P.L.C	-
96 P.L.C	-
97 P.L.C	-
98 P.L.C	-
99 P.L.C	-
100 P.L.C	-

DESIGNED BY	M. SUGAWARA	20061006
CHKD BY	K. BETSUI	20061006
APP'D BY	K. BETSUI	20061006
PRODUCT SPEC	10R-5264	
APPLICATION SPEC	ワイヤ接続用	
REVISION	-	
CUSTOMER DRAWING	-	

**STE** TE Connectivity

070 SERIES MULTI-LOCK CONNECTOR  
 2-POSITION PLUG HOUSING  
 (WIRE TO WIRE)

SIZE: A3 CASE CODE: 00779 DRAWING NO: 174463

RESTRICTED TO: -

SCALE: 2:1 SHEET: 1 OF 1 REV: 05

TOLERANCES UNLESS OTHERWISE SPECIFIED	寸法公差
F14	±0.2
F15	±0.25
F16	±0.3
F17	±0.4
F18	±0.5
F19	±0.6
F20	±0.7
F21	±0.8
F22	±0.9
F23	±1.0
F24	±1.1
F25	±1.2
F26	±1.3
F27	±1.4
F28	±1.5
F29	±1.6
F30	±1.7
F31	±1.8
F32	±1.9
F33	±2.0
F34	±2.1
F35	±2.2
F36	±2.3
F37	±2.4
F38	±2.5
F39	±2.6
F40	±2.7
F41	±2.8
F42	±2.9
F43	±3.0
F44	±3.1
F45	±3.2
F46	±3.3
F47	±3.4
F48	±3.5
F49	±3.6
F50	±3.7
F51	±3.8
F52	±3.9
F53	±4.0
F54	±4.1
F55	±4.2
F56	±4.3
F57	±4.4
F58	±4.5
F59	±4.6
F60	±4.7
F61	±4.8
F62	±4.9
F63	±5.0
F64	±5.1
F65	±5.2
F66	±5.3
F67	±5.4
F68	±5.5
F69	±5.6
F70	±5.7
F71	±5.8
F72	±5.9
F73	±6.0
F74	±6.1
F75	±6.2
F76	±6.3
F77	±6.4
F78	±6.5
F79	±6.6
F80	±6.7
F81	±6.8
F82	±6.9
F83	±7.0
F84	±7.1
F85	±7.2
F86	±7.3
F87	±7.4
F88	±7.5
F89	±7.6
F90	±7.7
F91	±7.8
F92	±7.9
F93	±8.0
F94	±8.1
F95	±8.2
F96	±8.3
F97	±8.4
F98	±8.5
F99	±8.6
F100	±8.7



## **Section 10**

# **Material, Performance Test Results**



TYCO ELECTRONICS NCDC2  
8000 PIEDMONT TRIAD PKWY  
GREENSBORO NC 27409  
USA

DAVID HAMILTON

The Verst Group  
Ticona Polymers  
1100 Burlington Pike  
FLORENCE KY 41042  
USA

## Type 2 Certificate of Analysis

### CELANEX 1632Z ES3144 RED (Z7)

<b>Customer Part No.:</b>	705038-1	<b>Cert Issue Date:</b>	30 Jun 2020
<b>Formula No.:</b>	1632Z	<b>Qty Shipped:</b>	1,653.000 LB
<b>Catalog:</b>	21017405	<b>Order Item /date:</b>	2273633 10 / 13 Feb 2020
<b>Color No.:</b>	ES3144	<b>Delivery item/date:</b>	86544925 900001 / 28 Apr 2020
<b>Produced at:</b>	Florence, KY, USA	<b>Account #:</b>	2080916
		<b>Customer PO No.:</b>	2711242456
		<b>Rail car:</b>	626852561 / 626852561

#### Batch 0001342221

In reference to the above, this is to advise you that this is a standard product and meets the following requirements:

BATCH RELEASE DATA	UoM	Value
Melt Flow Rate (MFR)	g/10min	9.80
Ash Content	%(m)	14.81

These test data are determined based on standard ISO and/or ASTM testing procedures.

Polyester Global Business Line

If you have questions regarding this letter, please call your Customer Service Team at 800-526-4960.



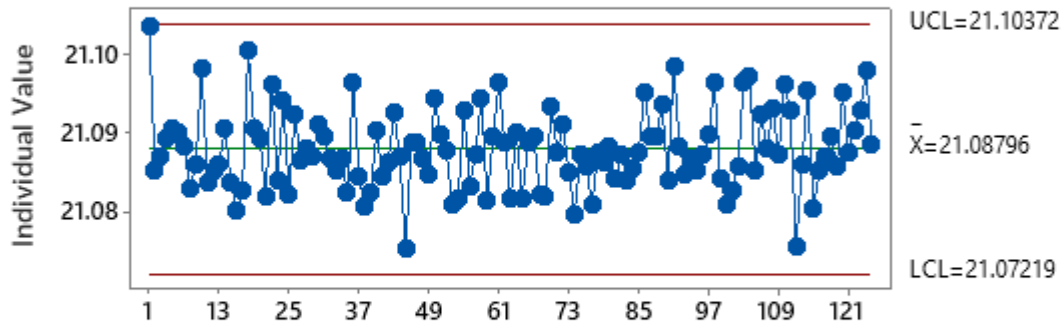
# **Section 11**

# **Initial Process Studies**

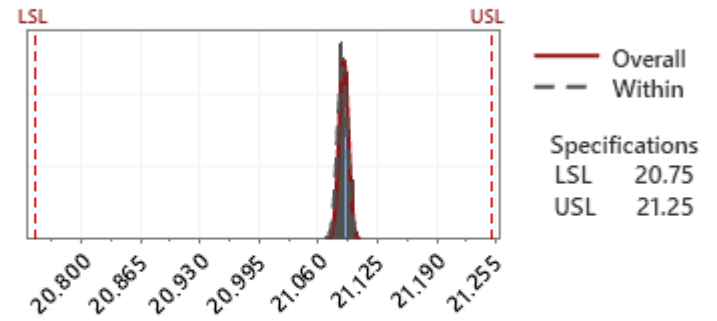


# Cav. C1

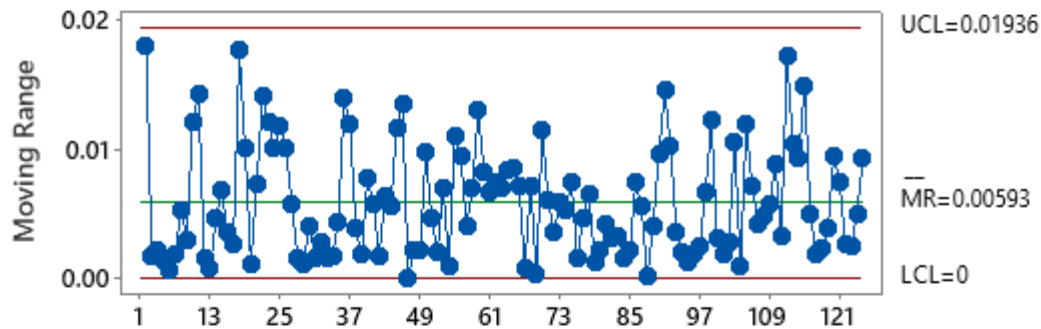
## I Chart



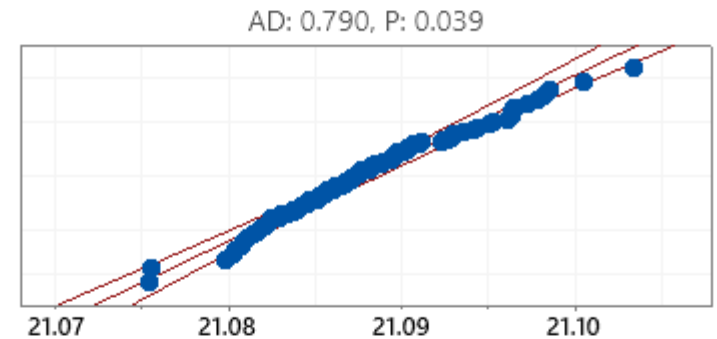
## Capability Histogram



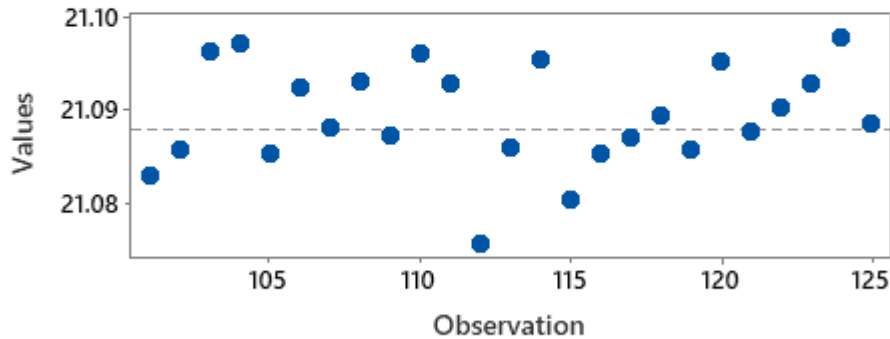
## Moving Range Chart



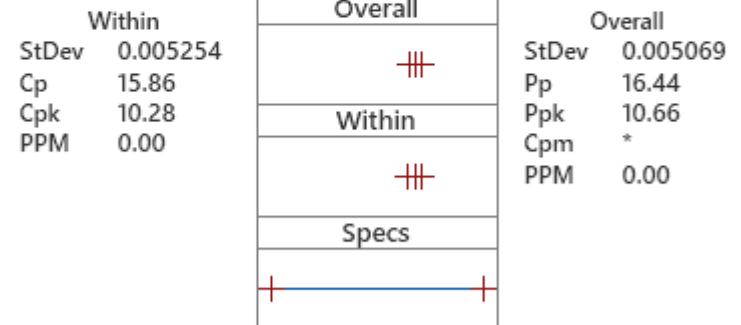
## Normal Prob Plot



## Last 25 Observations

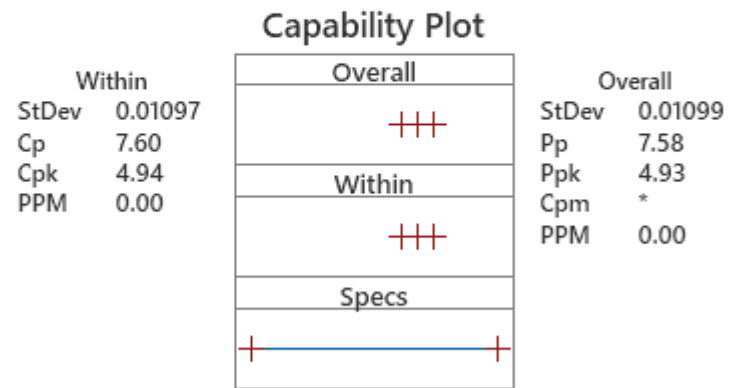
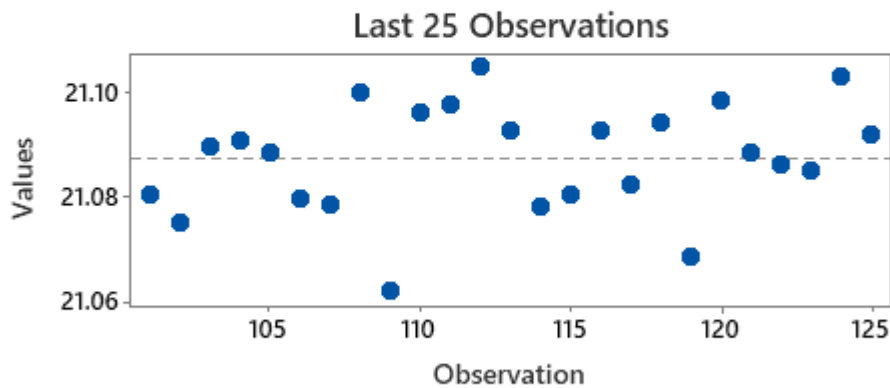
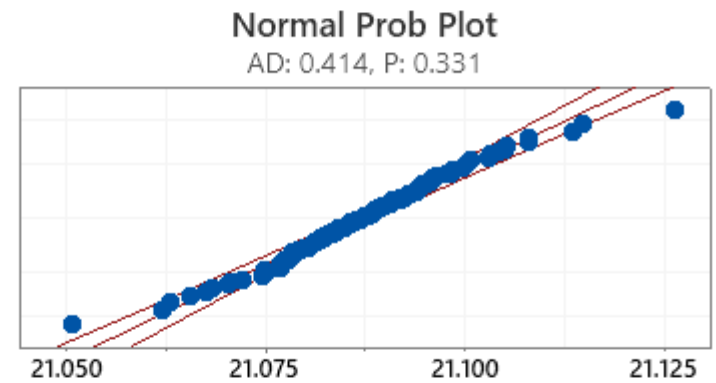
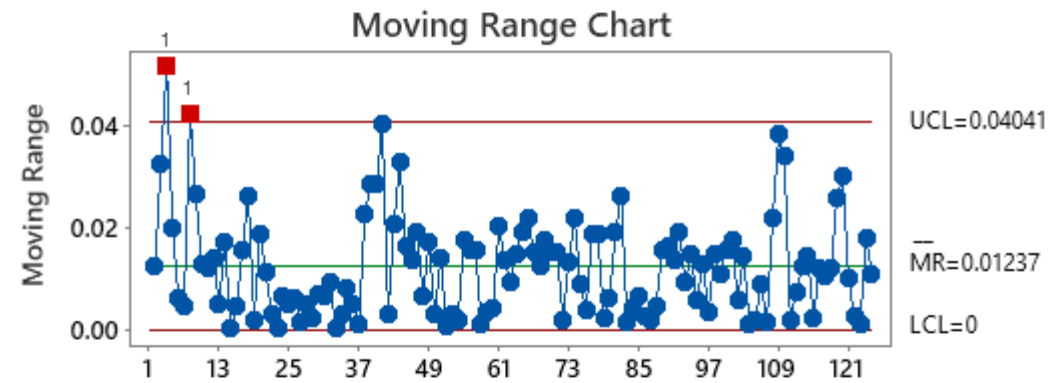
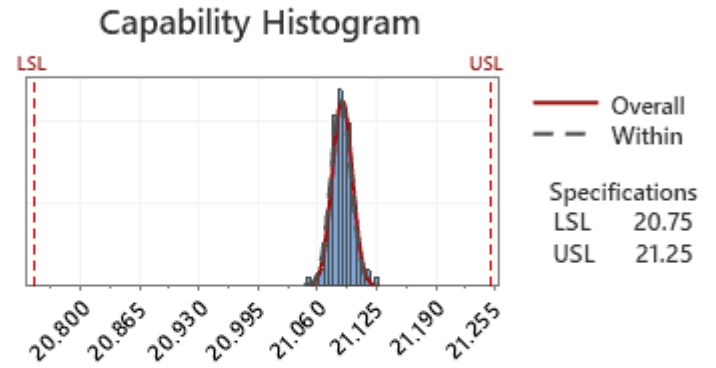
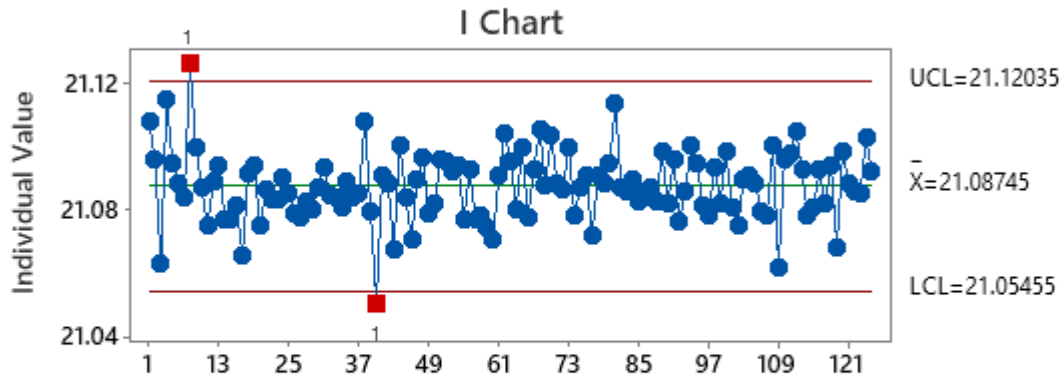


## Capability Plot



*The actual process spread is represented by 6 sigma.*

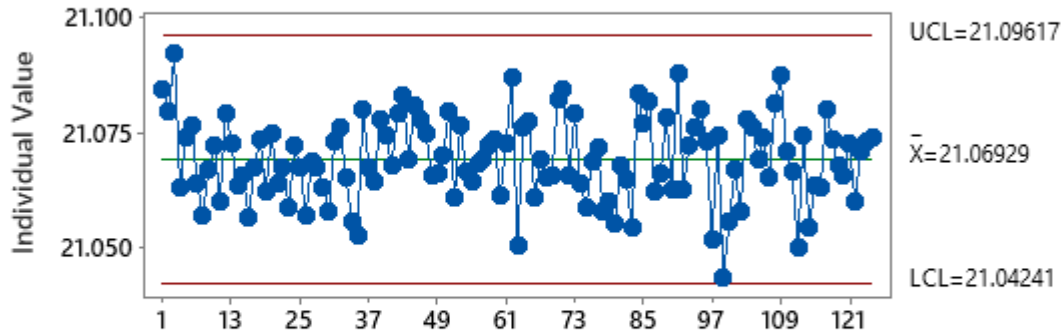
# Cav. C2



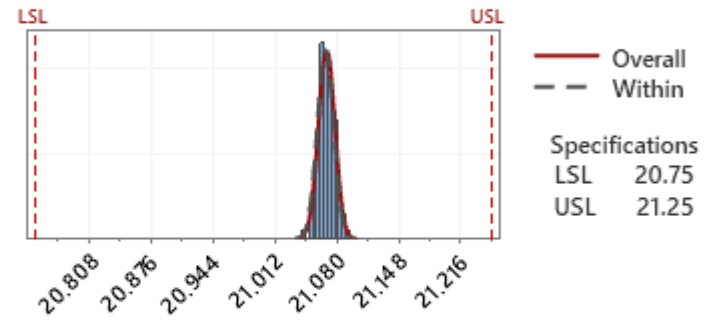
*The actual process spread is represented by 6 sigma.*

# Cav. C3

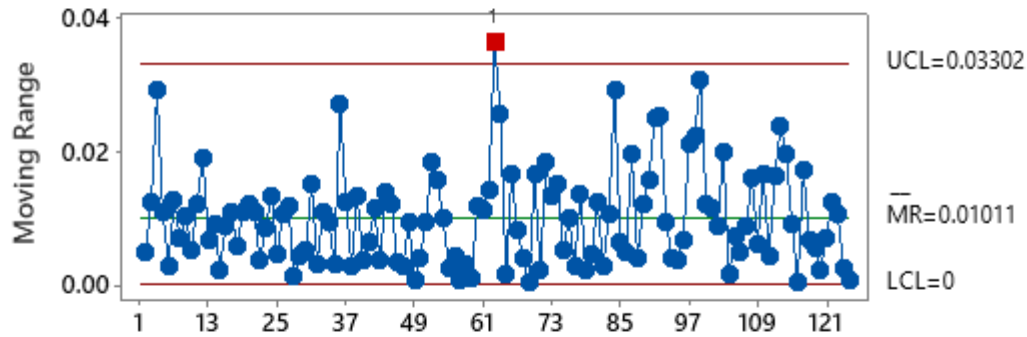
## I Chart



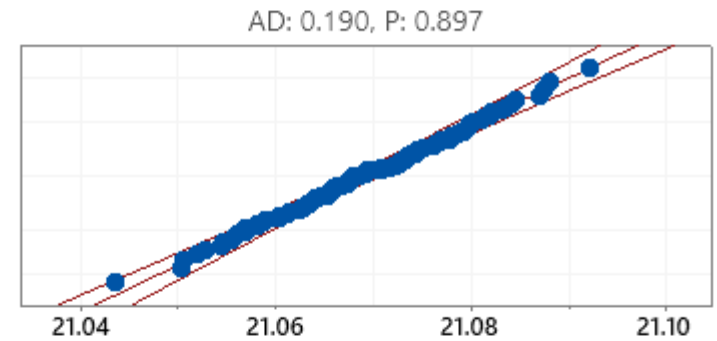
## Capability Histogram



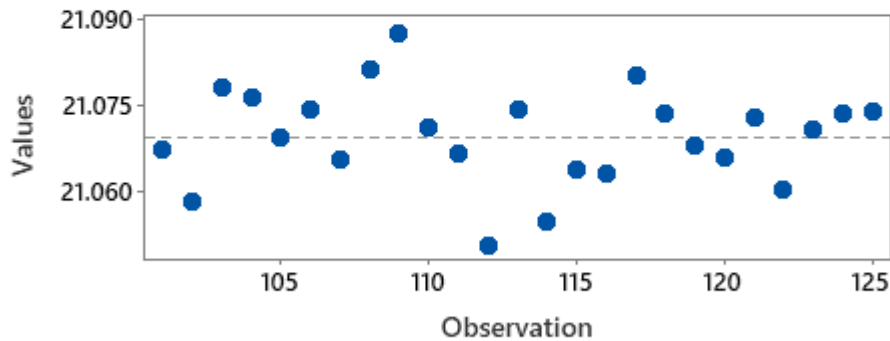
## Moving Range Chart



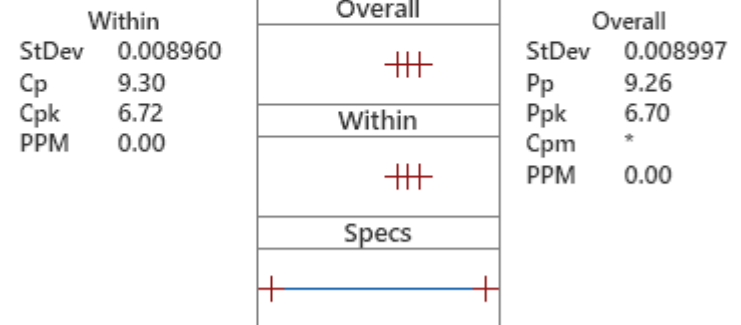
## Normal Prob Plot



## Last 25 Observations



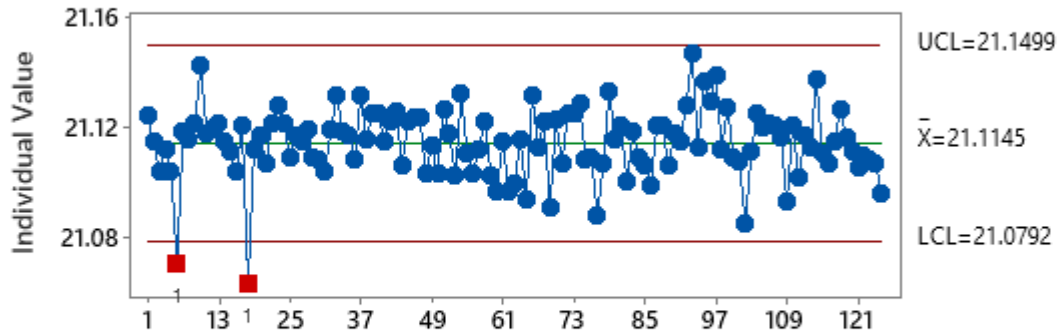
## Capability Plot



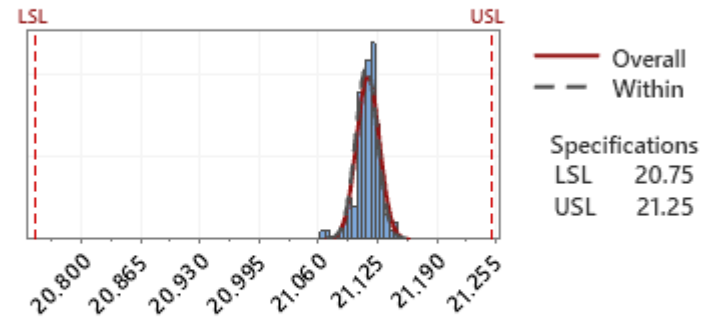
*The actual process spread is represented by 6 sigma.*

# Cav. C4

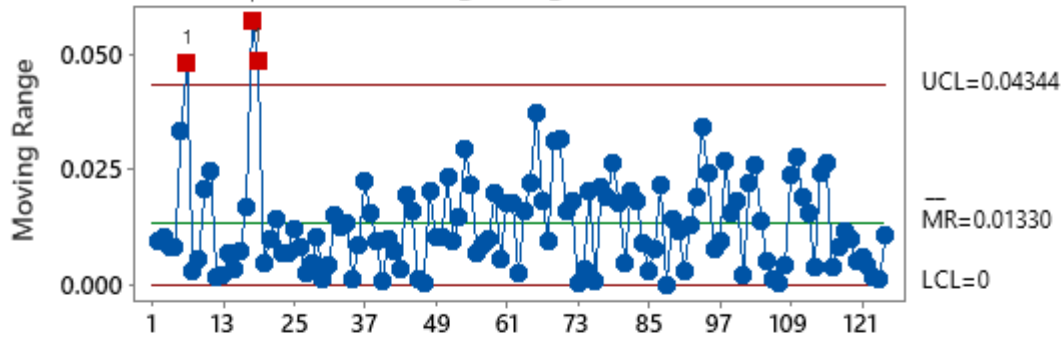
## I Chart



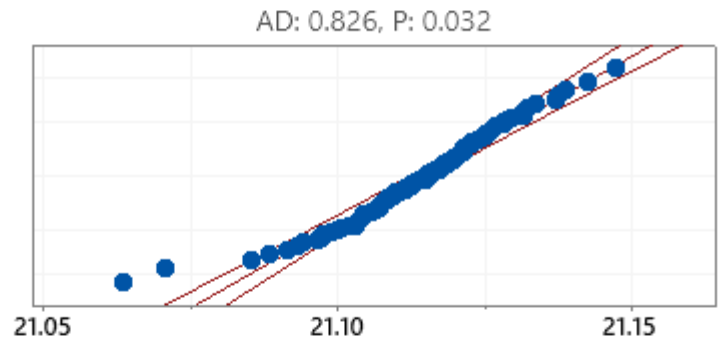
## Capability Histogram



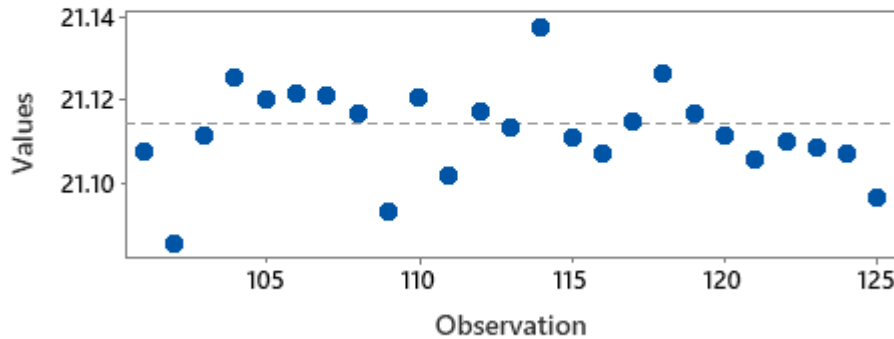
## Moving Range Chart



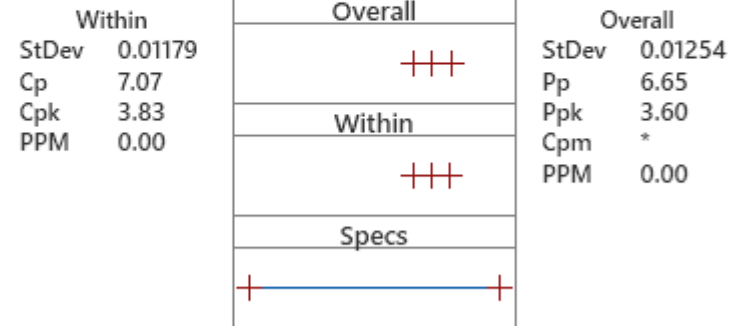
## Normal Prob Plot



## Last 25 Observations

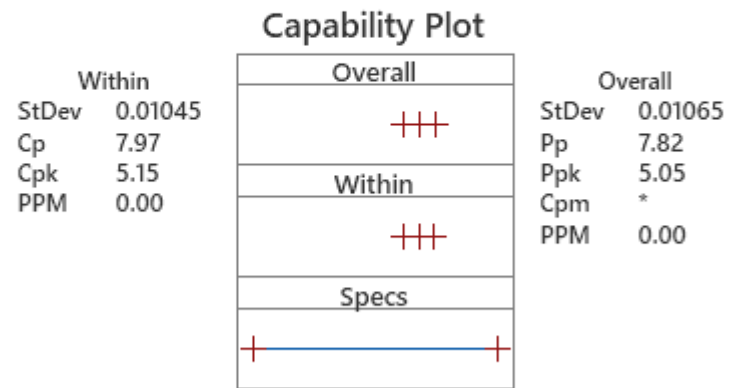
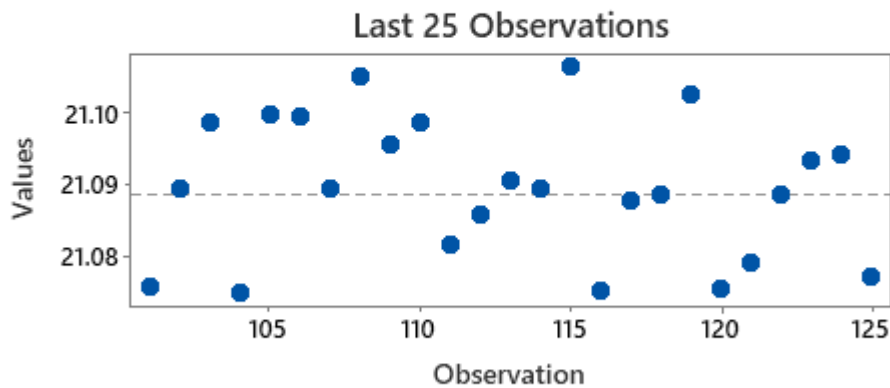
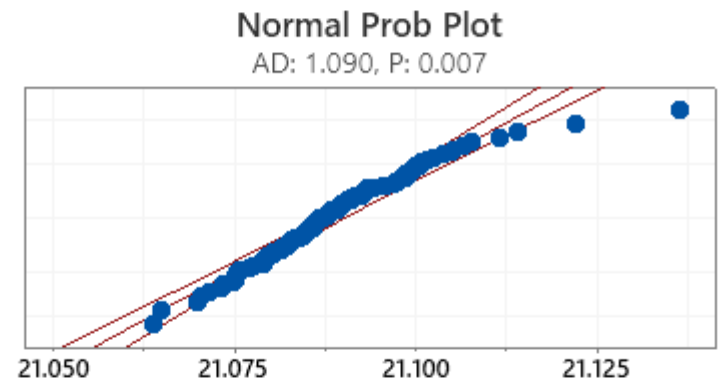
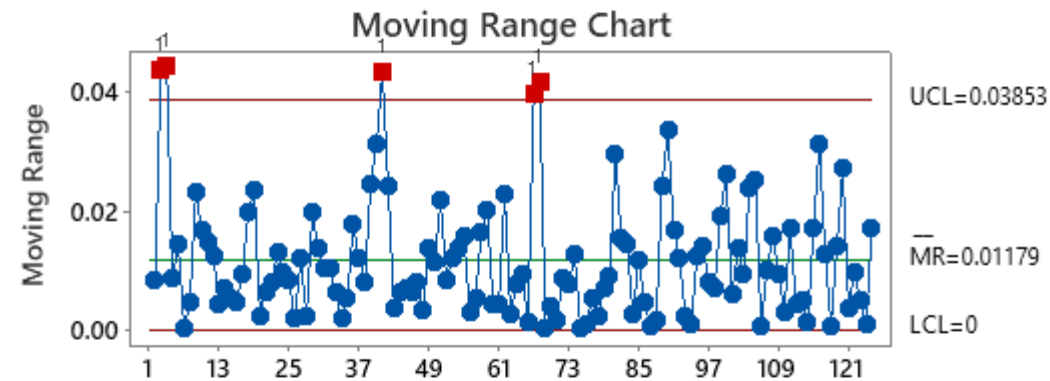
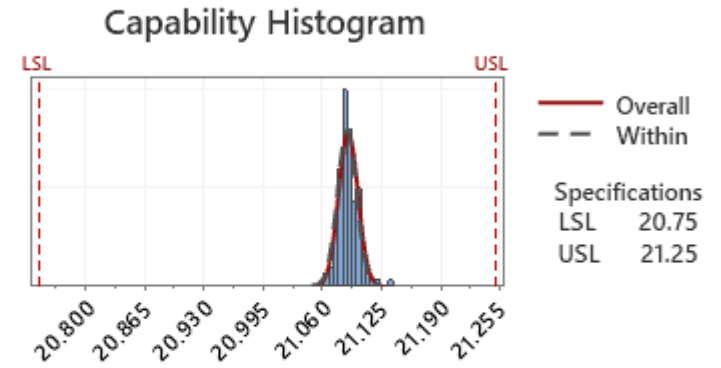
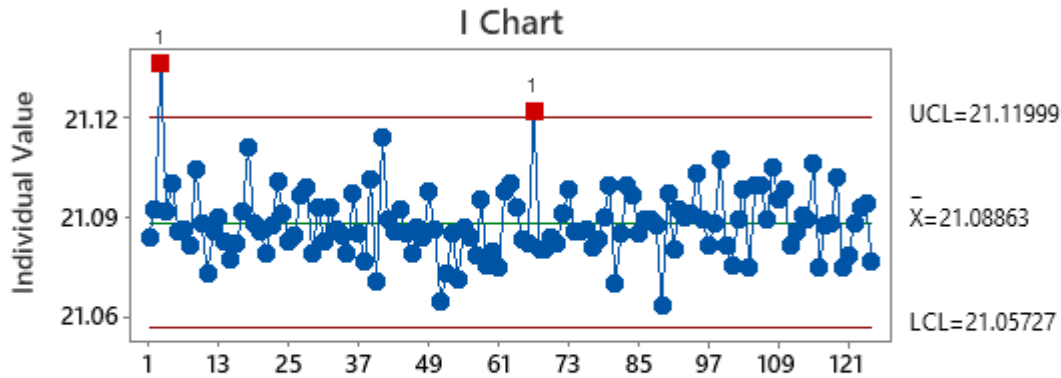


## Capability Plot



*The actual process spread is represented by 6 sigma.*

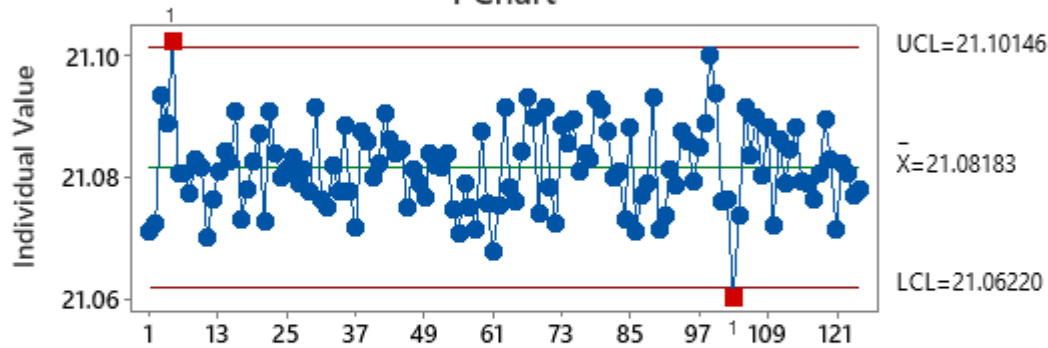
# Cav. C5



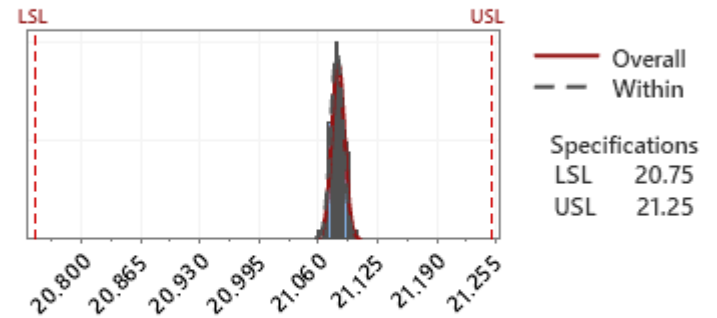
*The actual process spread is represented by 6 sigma.*

# Cav. C6

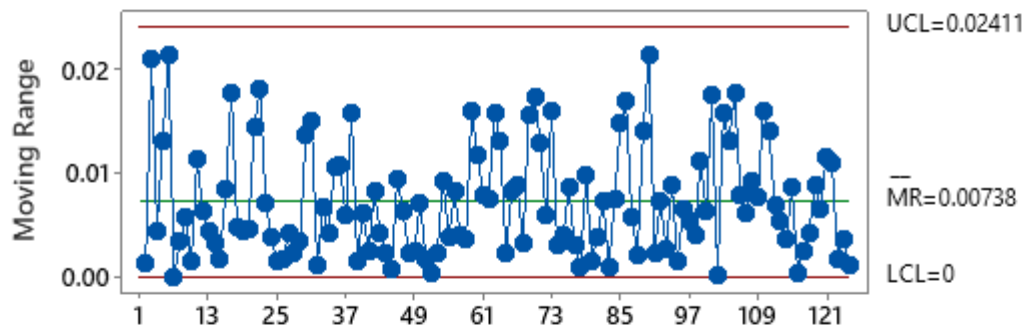
### I Chart



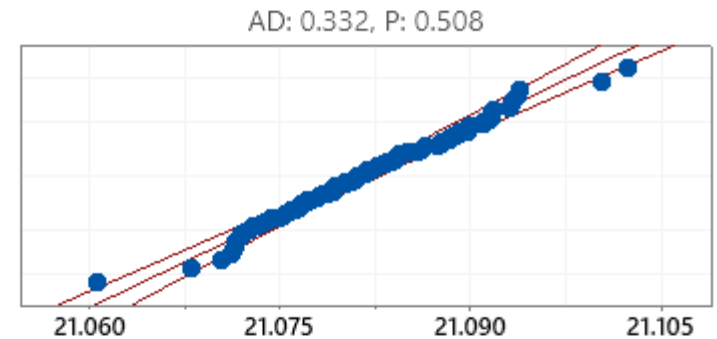
### Capability Histogram



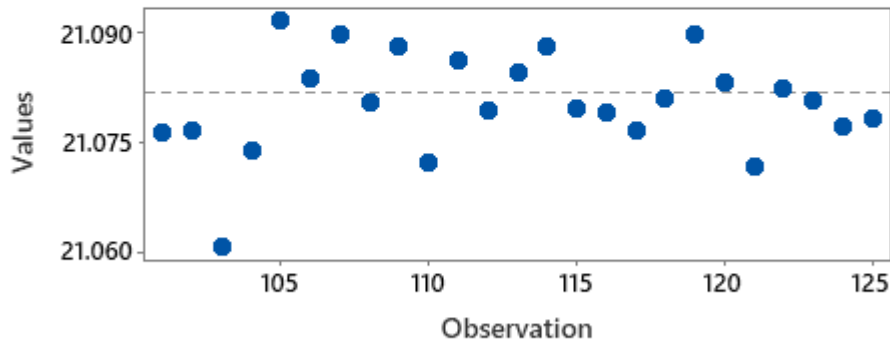
### Moving Range Chart



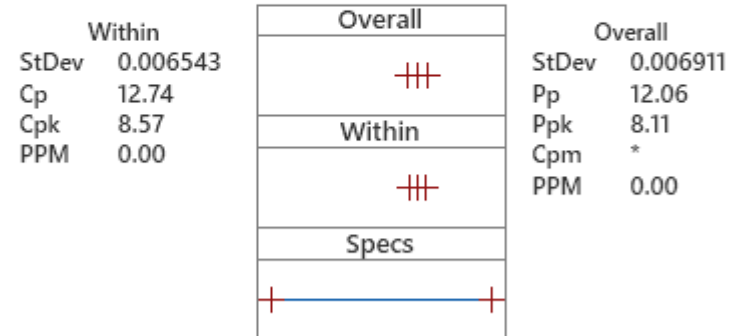
### Normal Prob Plot



### Last 25 Observations

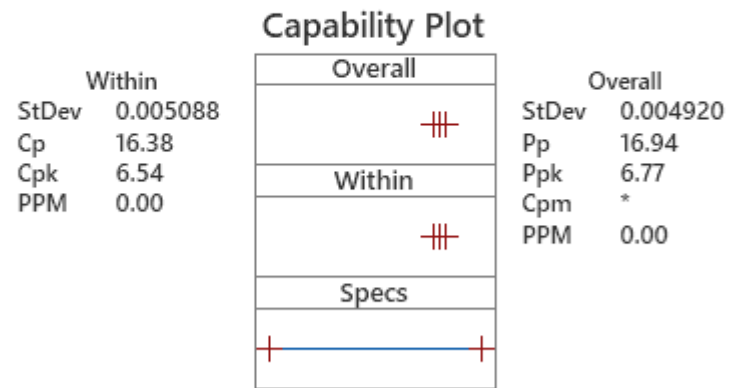
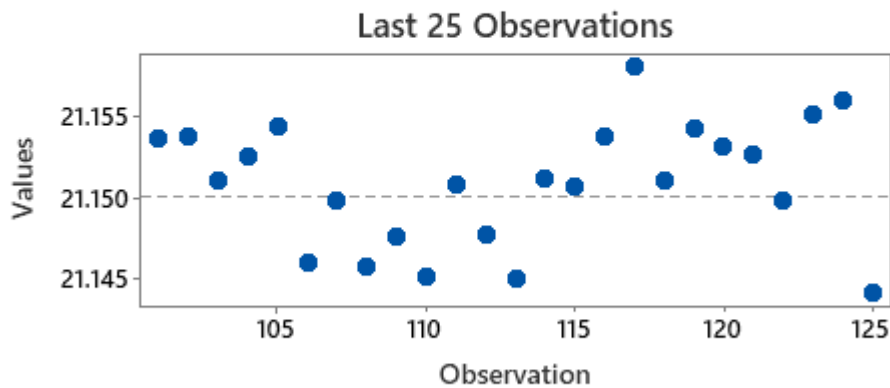
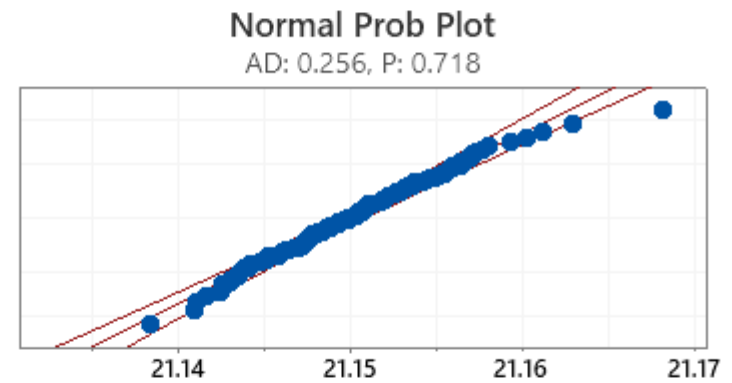
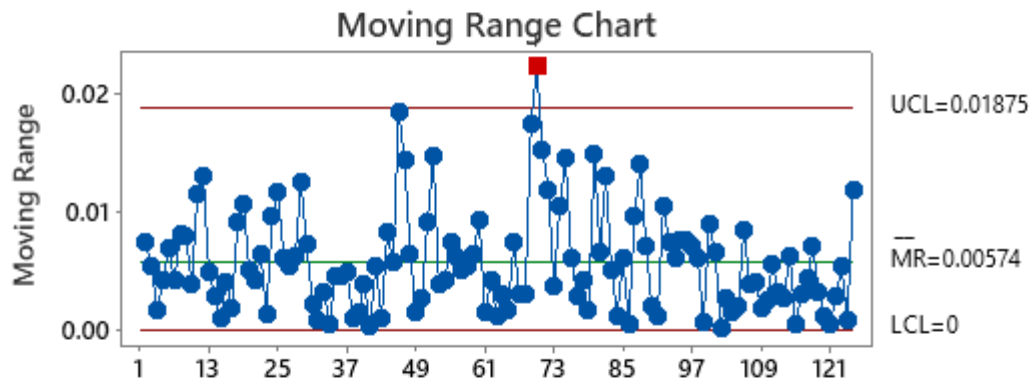
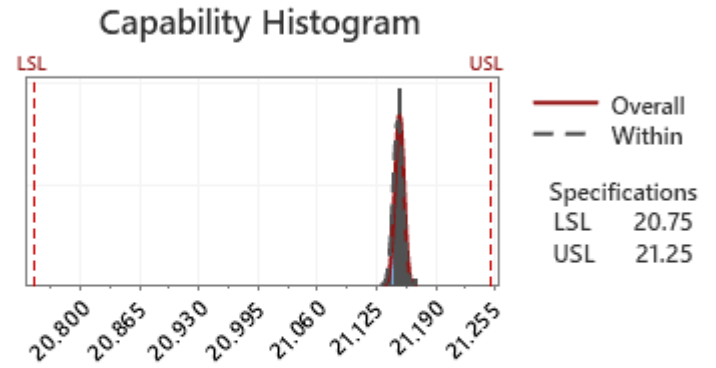
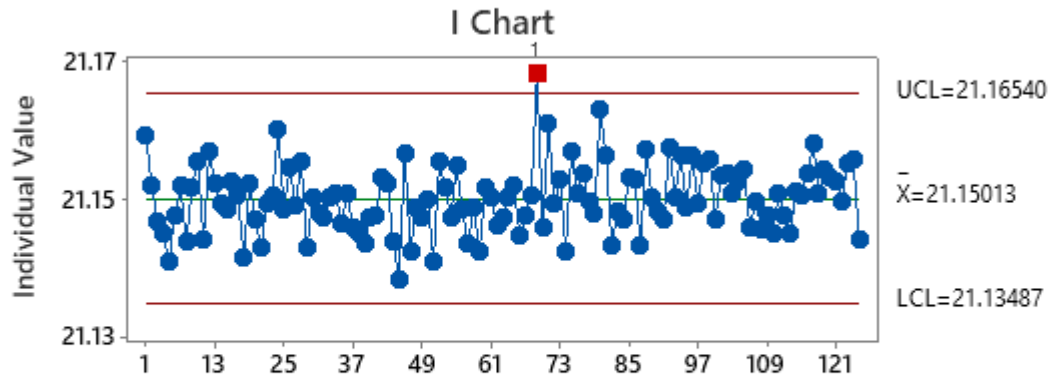


### Capability Plot



*The actual process spread is represented by 6 sigma.*

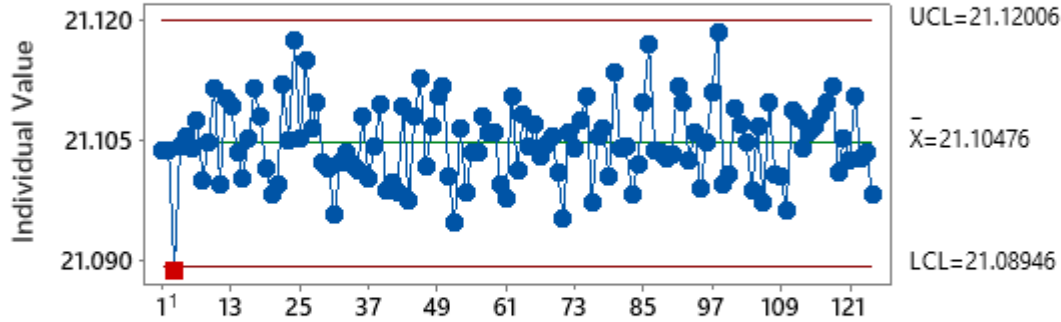
# Cav. C7



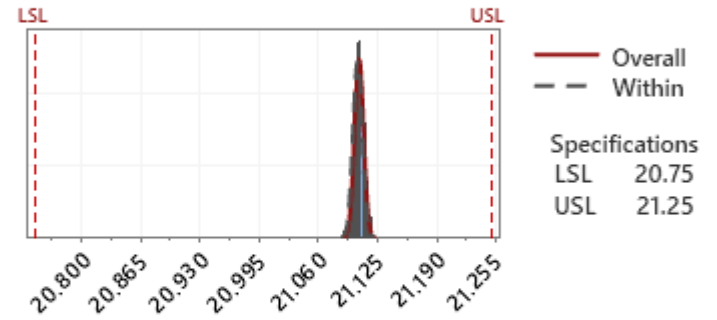
*The actual process spread is represented by 6 sigma.*

# Cav. C8

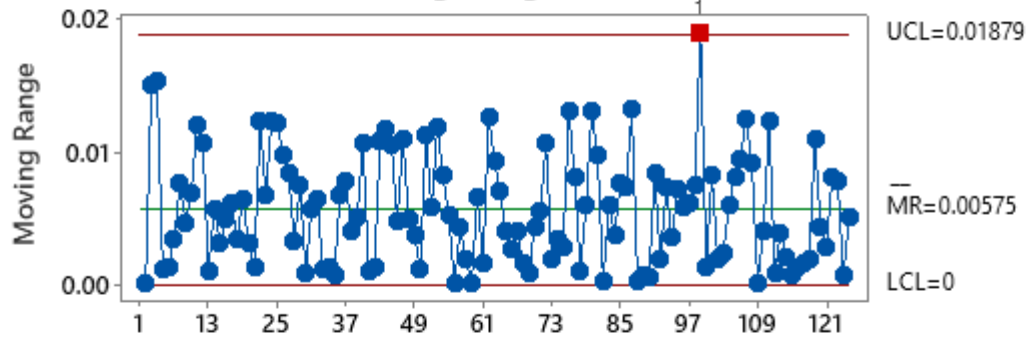
## I Chart



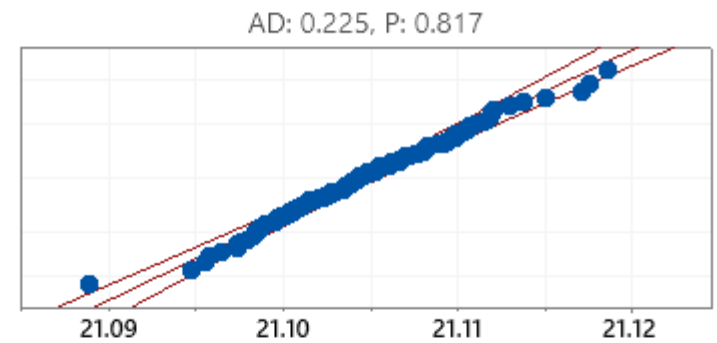
## Capability Histogram



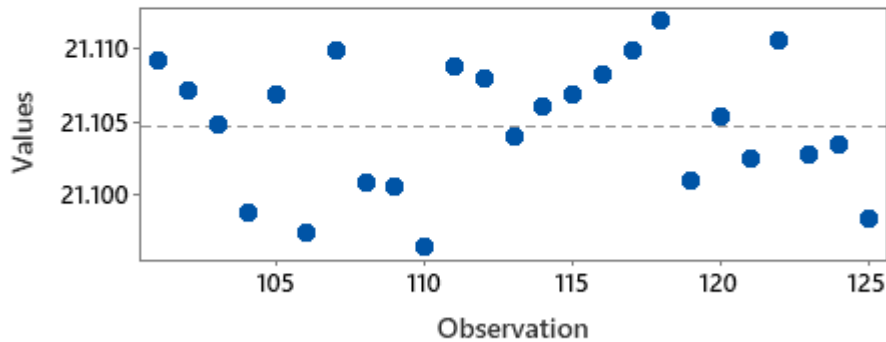
## Moving Range Chart



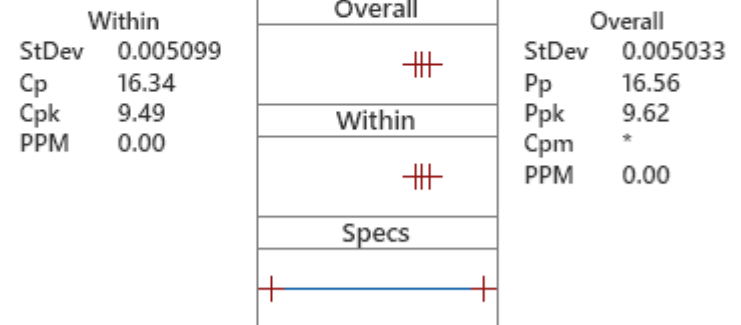
## Normal Prob Plot



## Last 25 Observations



## Capability Plot



*The actual process spread is represented by 6 sigma.*





## **Section 12**

# **Qualified Laboratory Documentation**

# Certificate of Registration

QUALITY MANAGEMENT SYSTEM - IATF 16949:2016

This is to certify that:

TE Connectivity Automotive Hermosillo  
Amp Amermex, S.A. de C.V.  
Blvd. Industrial Norte #23 y Blvd. Solidaridad  
Col. Parque Industrial Hermosillo  
Hermosillo  
Sonora  
83118  
Mexico

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

The Design and Manufacturing of electrical interconnecting devices.

For and on behalf of BSI:

  
\_\_\_\_\_  
Carlos Pitanga, Chief Operating Officer Assurance – Americas

BSI Certificate Number: 514458-005

IATF Number: 0336164



Certification Date: 2018-09-28

Latest Issue: 2018-09-28

Page: 1 of 3

...making excellence a habit.™

Expiry Date: 2021-09-27

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 Automotive Hermosillo  
Amp Amermex, S.A. de C.V.  
Blvd. Industrial Norte #23 y Blvd. Solidaridad  
Col. Parque Industrial Hermosillo  
Hermosillo  
Sonora  
83118  
Mexico

Registered Activities

Manufacture of electrical interconnecting devices.

Including the following remote support functions:

TE Connectivity Global Automotive Division Americas North  
3800 Reidsville Road  
Winston-Salem, NC 27102  
Process design, Purchasing, Sales, Testing, Product design

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

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

TE Connectivity Global Automotive Division Americas North  
233 Burgess Road  
Greensboro North Carolina 27409 USA  
Purchasing

TE Connectivity Global Automotive Division Americas North  
900 Wilshire Boulevard Suite 150  
Troy, MI 48084  
Process design, Product design

TE Connectivity Global Automotive Division Americas North  
Carretera Internacional, KM 1969  
Guadalajara-Nogales Km 2  
Empalme Sonora Mexico, 85340  
Customer Service, Purchasing

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

BSI Certificate Number: 514458-005

IATF Number: 0336164



Certification Date: 2018-09-28

Latest Issue: 2018-09-28

Expiry Date: 2021-09-27

Page: 2 of 3

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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.

Americas Headquarters: BSI Group America Inc., 12950 Worldgate Drive, Suite 800, Herndon, VA 20170-6007 USA

A Member of the BSI Group of Companies.

Location

Registered Activities

TE Connectivity Global Logistics  
Blvd. Industrial Norte #23 y Blvd. Solidaridad  
Col. Parque Industrial Hermosillo  
Hermosillo  
Sonora  
83118  
Mexico  
Warehousing, Distribution

TE Connectivity  
Global Automotive Division  
Americas North  
2901 Fulling Mill Road  
Middletown  
Pennsylvania  
17057  
USA  
Customer service, Process design, Testing, Product design

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

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

BSI Certificate Number: 514458-005

IATF Number: 0336164



Certification Date: 2018-09-28

Latest Issue: 2018-09-28

Expiry Date: 2021-09-27

Page: 3 of 3

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.

Americas Headquarters: BSI Group America Inc., 12950 Worldgate Drive, Suite 800, Herndon, VA 20170-6007 USA  
A Member of the BSI Group of Companies.



## **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.: **0-0174463-2**

Description: **007 Series Multi-Lock Conn, 2Pos Plug Housing - Black**

Report No.: **-**

Date of Report: **-**

Purchase Order No.: **-**

Bill of Delivery No.: **-**

Preliminary MDS: **No**

IMDS ID / Version: **6833511 / 9**

Node ID: **856357785**

MDS Status (Change Date): **Internally released (08/21/2019)**

# 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.: **0-0174463-2** Report No.: **-**  
 Description: **007 Series Multi-Lock Conn, 2Pos Plug Housing - Black** IMDS ID / Version: **6833511 / 9**  
 Node ID: **856357785**

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	007 Series Multi-Lock Conn, 2Pos Plug Housing - Black	0-0174463-2	6833511 / 9		0.93				Not Applicable
└2	PBT	2-704773-5	719813205 / 1		0.93		5.1.b	No	
└3	Polybutylene terephthalate	26062-94-2				98.4	96.9 - 99.9		
└3	Pigment portion, not to declare	system				0.55	0.3 - 0.8		

IMDS ID / Version:

6833511 / 9

Page:

3 / 3

User:

Lara, Alejandra

Date:

9/8/20 5:50:40 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	Further Additives, not to declare	system				1.05			

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>070 MCL 2P P B</u>	Cust. Part Number	<u>53K9031</u>
Shown on Drawing No.	<u>C-174463</u>	Org. Part Number	<u>174463-2</u>
Engineering Change Level	<u>G5</u>	Dated	<u>28-Jan-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>0.00093</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**

Supplier Name & Supplier/Vendor Code  
Blvd. Industrial Norte #23 y Blvd. Solidaridad  
 Street Address

Hermosillo Sonora 83118 Mexico  
 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: 6833511 / 9

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 Location          |
| <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 Assembly

**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-19-018198 & P-19-018199.

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

Organization Authorized Signature Alejandra Lara A. Date 08/09/2020

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**