



Table of Contents
PPAP Package for:
Nursan Kablo Donanimlari

(TE Connectivity Part Number: 2035360-1)

12/Feb/2019

Section A	<u>Nondisclosure Agreement</u>
Section # 1	<u>Design Records</u>
Section # 2	<u>Engineering Change Documents</u>
Section # 3	<u>Customer Engineering Approval</u>
Section # 4	<u>Design FMEA</u>
Section # 5	<u>Process Flow Diagrams</u>
Section # 6	<u>Process FMEA</u>
Section # 7	<u>Control Plan</u>
Section # 8	<u>Measurement Systems Analysis Studies</u>
Section # 9	<u>Dimensional Results</u>
Section # 10	<u>Material, Performance Test Results</u>
Section # 11	<u>Initial Process Study</u>
Section # 12	<u>Qualified Laboratory Documentation</u>
Section # 13	<u>Appearance Approval Report</u>
Section # 14	<u>Sample Product</u>
Section # 15	<u>Master Sample</u>
Section # 16	<u>Checking Aids</u>
Section # 17	<u>Records Of Compliance with Customer-Specific Requirements</u>
Section # 18	<u>Part Submission Warrant</u>
Section # 18a	<u>Bulk Material Requirements</u>



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.

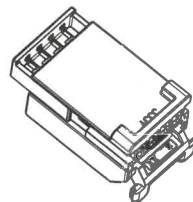
If a nondisclosure agreement HAS NOT been reached, certain documents deemed confidential by TE Connectivity will not be included in this PPAP package. These documents include but are not limited to the Design FMEA, the Process Flow Diagram, the Process FMEA and the Control Plan. These documents can be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



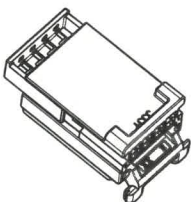
Section 1

Design Records

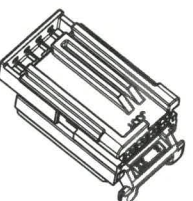
KEYING OPTION: A



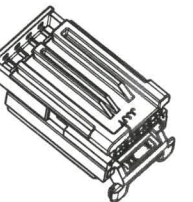
SCALE 2:1



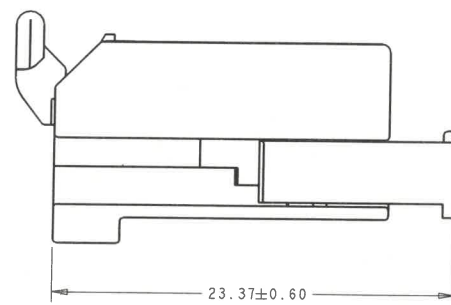
SCALE 2:1



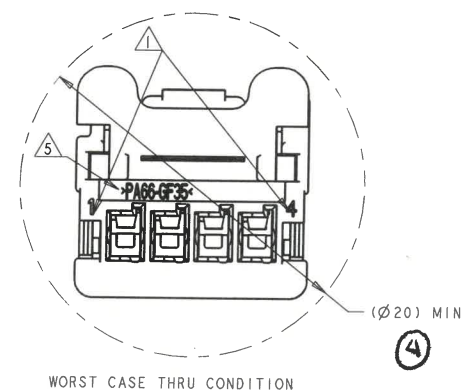
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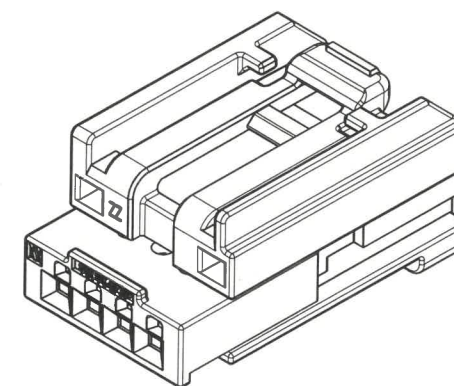
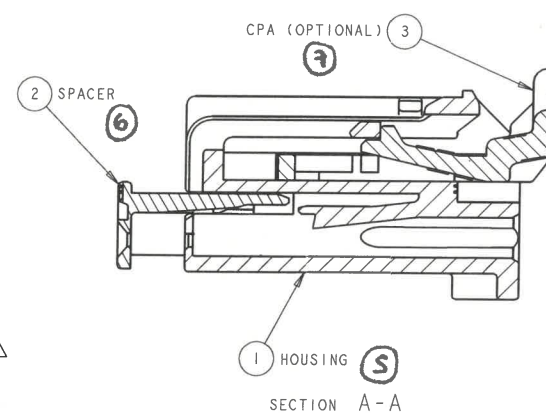
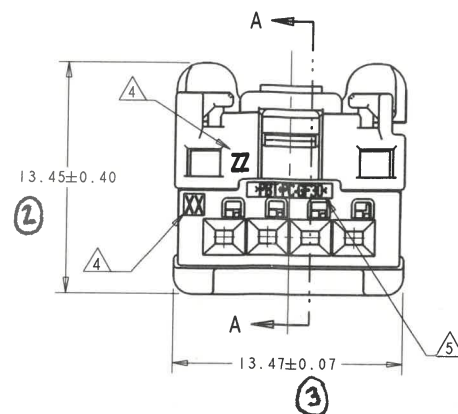
SCALE 2:1



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WORST CASE THRU CONDITION



REVISONS					
#	LYR	DESCRIPTION	DATE	OWN	APP.
	A1	REVISED PER ECO-12-013011	16JUL2012	DLD	DCM
	A2	REVISED PER ECO-15-011565	21AUG2015	DLD	DCM
	A3	REVISED PER ECO-17-009179	23JUN2017	DLD	DCM

- ③ 1. CIRCUIT IDENTIFICATION NUMBERS LOCATED AS SHOWN.
- ④ 2. SPACER AND CPA (OPTIONAL) ARE SHIPPED IN PRE-ASSEMBLED POSITION.
- ⑩ 3. DATE CODE; FORMAT: JJJ = JULIAN DAY; Y = YEAR (4TH DIGIT).
- ⑪ 4. MOLD CAVITY IDENTIFICATION.
- ⑫ 5. MATERIAL IDENTIFICATION.
- ⑬ 6. PACKING: CONNECTOR ASSEMBLIES BULK PACKAGED IN CARDBOARD BOX.
- ⑭ 7. REFERENCE TO INSTRUCTION SHEET 408-32052.

2035360-8	2035360-7	2035360-6	2035360-5	2035360-4	2035360-3	2035360-2	2035360-1	<----- ASSEMBLY PN			
I	-	I	-	I	-	I	-	CPA	* >PBT-GF20<	RED	3
I	I	I	I	I	I	I	I	SPACER	>PBT+PC-GF35<	RED	2
I	I	-	-	-	-	-	-	HOUSING; KEY D	>PA66-GF35<	BLACK	I
-	-	I	I	-	-	-	-	HOUSING; KEY C	>PA66-GF35<	BLACK	I
-	-	-	-	I	I	-	-	HOUSING; KEY B	>PA66-GF35<	BLACK	I
-	-	-	-	-	-	I	I	HOUSING; KEY A	>PA66-GF35<	BLACK	I
								DESCRIPTION	MATERIAL	COLOR	ITEM NO
QTY REQ'D PER ASSY								REVISION OF EACH ASSY NO (WHEN BLANK, USE DWG REVISION)			
								WEIGHT OF EACH ASSY NO (g)			
PARTS LIST											

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWG. NO. 20APR202		 TE Connectivity	
DIMENSIONS:		DRUMMOND CIR. NO. 20APR202 APD. NO. 20APR202			
DIMENSIONS: mm		TOLERANCES UNLESS OTHERWISE SPECIFIED:		NAME	
		0 PLC ± 1 PLC ± 2 PLC ± 3 PLC ± 4 PLC ± ANGLES ± FINISH		FEMALE CONNECTOR ASSEMBLY, 4 POSITION (1X4), UNSEALED, GENERATION Y	
MATERIAL		APPLY SPEC		SIZE CASE CODE DRAWING NO	
SEE TABLE		WEIGHT		A1 00779 ©-2035360	
		CUSTOMER DRAWING		RESTRICTED TO	
				SCALE 5:1 SHEET 1 OF 1 REV A	



Section 2

Engineering Change Documents



Product Change Notification

Current Date: 19-Jul-2018

TE Connectivity

Product Change Notification: P-18-016097

PCN Date: 17-JUL-18

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:

One Roof - Connectors stage

Description of Changes

Dear Customer, TE Connectivity Automotive Business Unit is in the fourth phase of a process Consolidation Project in the Empalme Campus, the objective is to consolidate Plant 1 (Molding & Mechatronics) and Plant 4 (Assembly) into a single building, in the same industrial park. The fourth phase involves migration of TE4 Connector Assembly processes to TE2 One Roof Building. As part of our ongoing activities to provide our customers the highest quality products, this will drive to a Vertical Integration, Safety Systems improvements, Warehouse optimization, and excellent customer experience. The building is being prepare to start moving in September 2018 through December 2018.

Other attachments:

[TE Empalme Consolidation](#)

Reason for Changes:

Dear Customer, we hereby inform you about a transfer of tools and/or processes. The transfer follows a strict procedure, which fully maintains quality, ability to supply and form-fit-function of the concerned products. The new manufacturing location operates under a certified quality management system in accordance with standard automotive requirements. A TE-internal release test based on the relevant part specifications will be executed before delivery. Upon request, a PPAP Level 2 will be available if it concerns a transfer of a tool which produces a finished TE-product. A PPAP Level 1 will be available if it concerns a component of a TE-product, where the production location of the finished TE-product remains unchanged. If you require such a PPAP, please notify the responsible TE Sales Contact within 14 calendar days after receipt of this PCN

Estimated Dates:

Last Order Date (Obsolete Parts Only):	First Date To Ship (Changed Parts Only):
	02-NOV-2018
Last Ship Date (Obsolete Parts Only):	Last Date for Mixed Shipments: (Changed Parts Only):
	No Mixed Shipments

Part Number(s) being Modified:

Part Number	Part Discontinued per PCN	Customer Drawing	Alias Part Number(s)	Substitute Part Number	Substitute Alias Part Number(s)	Description Of Difference
1-1326132-0	NO					
1-1326327-1	NO					
1-1326328-2	NO					
1-1326727-9	NO					
1-1411001-0	NO					
1-1437855-9	NO		"108525A"			
1-1438454-1	NO					
1-1438726-6	NO					
1-1438726-7	NO					
1-1456315-1	NO					
1-1456315-2	NO					
1-1456315-5	NO					
1-1456426-1	NO					
1-1456426-2	NO					
1-1456426-5	NO					
1-1456426-6	NO					
1-1587041-4	NO					
1-1924067-2	NO					
1-1924067-3	NO					
1-1924067-4	NO					
1-1924067-5	NO					
1-1924067-6	NO					
1-1924067-9	NO					
1-1924337-3	NO					
1-1924939-6	NO					
1-1924940-1	NO					

Part Number	Part Discontinued per PCN	Customer Drawing	Alias Part Number(s)	Substitute Part Number	Substitute Alias Part Number(s)	Description Of Difference
1-1924940-3	NO					
1-1924940-7	NO					
1-1924940-8	NO					
1-1924941-0	NO					
1-1924941-2	NO					
1-1924941-3	NO					
1-1924941-4	NO					
1-1924941-5	NO					
1-1924941-8	NO					
1-1924943-7	NO					
1-1924943-8	NO					
1-1924944-1	NO					
1-1924944-5	NO					
1-1924944-7	NO					
1-2035363-0	NO					
1-2098067-3	NO					
1-2098067-4	NO					
1-2098067-5	NO					
1-2098067-6	NO					
1-2098923-0	NO					
1-2098923-4	NO					
1-2138685-5	NO					
1-2203515-1	NO					
1-2203529-2	NO					
1-2203529-5	NO					
1-2203654-2	NO					
1-2203654-7	NO					
1-2203773-2	NO					
1-2208018-3	NO					
1-2208018-4	NO					
1-2208021-1	NO					
1-2208021-2	NO					
1-2208408-2	NO					
1-2272975-1	NO					
1-2296697-1	NO					
1-2296697-2	NO					
1-2300499-1	NO					
1-2300499-2	NO					
1-2309436-1	NO					
1-638514-0	NO					
1-638514-2	NO					
1-638514-3	NO					
1-638514-4	NO					
1-638514-5	NO					
1-638514-6	NO					
1-776905-1	NO					
1-776905-2	NO					
1-776905-3	NO					
1274412-1	NO					
1326055-3	NO					
1326110-1	NO					
1326122-1	NO					
1326122-3	NO					
1326132-1	NO					
1326132-2	NO					
1326132-4	NO					
1326132-9	NO					
1326136-1	NO					
1326136-2	NO					
1326140-1	NO					
1326140-3	NO					
1326226-1	NO					
1326226-2	NO					
1326226-3	NO					
1326328-5	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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1326339-6	NO					
1326339-7	NO					
1326339-8	NO					
1326353-1	NO					
1326353-3	NO					
1326362-1	NO					
1326362-3	NO					
1326362-7	NO					
1326509-1	NO					
1326729-1	NO					
1326942-3	NO					
1326964-1	NO					
1411001-1	NO		"V23542-G1508-A115"			
1411001-6	NO					
1411001-7	NO					
1411001-8	NO					
1411001-9	NO					
1411169-1	NO					
1411169-3	NO					
1411169-4	NO					
1411367-1	NO					
1432654-1	NO		"VATS-0022"			
1437882-8	NO		"109640A", "X109640A"			
1438031-1	NO		"V23542-G1516-A101"			
1438082-1	NO					
1438083-1	NO					
1438122-1	NO					
1438156-1	NO					
1438156-3	NO					
1438399-1	NO					
1438426-1	NO					
1438426-3	NO					
1438454-1	NO					
1438521-1	NO					
1438545-1	NO					
1438726-2	NO					
1438759-1	NO					
1438761-6	NO					
1438766-1	NO					
1438794-1	NO					
1438794-2	NO					
1438810-1	NO					
1438841-1	NO					
1438841-2	NO					
1438848-1	NO					
1438975-2	NO					
1443966-1	NO					
1452187-1	NO					
1456016-1	NO		"130025602403"			
1456016-2	NO		"130025602404"			
1456016-3	NO		"130025602405"			
1456016-4	NO		"130025602406"			
1456078-1	NO		"1X2078701"			
1456078-2	NO		"1X2078702"			
1456315-1	NO					
1456315-2	NO					
1456315-3	NO					
1456315-5	NO					
1456315-6	NO					
1456315-9	NO					
1456471-1	NO					
1456471-2	NO					
1456471-4	NO					
1456471-5	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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1456554-1	NO					
1456601-1	NO					
1456602-2	NO					
1456867-3	NO					
1456950-2	NO					
1456987-1	NO					
1456987-3	NO					
1456987-4	NO					
1456987-5	NO					
1456987-7	NO					
1456989-1	NO					
1456989-2	NO					
1456989-3	NO					
1456989-4	NO					
1488107-1	NO					
1488573-1	NO					
1488750-1	NO					
1488846-4	NO					
1488846-6	NO					
1488903-1	NO					
1557052-1	NO					
1557636-1	NO					
1557667-1	NO					
1587041-1	NO					
1587255-1	NO					
1587268-4	NO					
1587270-5	NO					
1587392-7	NO					
1587392-8	NO					
1642407-5	NO					
1670118-1	NO					
1670120-1	NO					
1670120-2	NO					
1718981-1	NO					
1732120-1	NO					
1732120-2	NO					
1732510-3	NO					
174971-2	NO					
174973-2	NO					
174975-2	NO					
174979-2	NO					
179678-6	NO					
179679-6	NO					
179680-5	NO					
179681-6	NO					
184000-1	NO					
184002-1	NO					
184004-1	NO					
184006-1	NO					
184006-2	NO					
184008-1	NO					
184010-1	NO					
184012-1	NO					
184014-1	NO					
184016-1	NO					
184020-1	NO					
184022-1	NO					
184032-1	NO					
184034-1	NO					
184042-1	NO					
184042-2	NO					
184046-1	NO		"EM3604-000", "AMP-0-0184046-1"			
184050-2	NO					

Part Number	Part Discontinued per PCN	Customer Drawing	Alias Part Number(s)	Substitute Part Number	Substitute Alias Part Number(s)	Description Of Difference
184060-1	NO					
184097-1	NO					
184115-1	NO					
184116-1	NO					
184116-2	NO					
184124-1	NO					
184207-1	NO					
184212-1	NO					
184212-2	NO					
184214-1	NO					
184216-1	NO					
184220-1	NO					
184240-1	NO					
184246-1	NO					
184248-1	NO					
184254-1	NO					
184270-1	NO					
184292-1	NO					
184305-1	NO					
184311-1	NO					
184315-1	NO					
184322-1	NO					
184328-1	NO					
184334-1	NO					
184340-1	NO					
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184344-1	NO					
184346-1	NO					
184346-2	NO					
184349-1	NO					
184355-1	NO					
184355-2	NO					
184370-1	NO					
184375-1	NO					
184392-1	NO					
184392-2	NO					
184393-1	NO					
184393-2	NO					
184394-1	NO					
184396-1	NO					
184397-1	NO					
184398-1	NO					
184399-1	NO					
184400-1	NO					
184401-1	NO					
184406-1	NO					
184408-1	NO					
184408-2	NO					
184409-1	NO					
184435-1	NO					
184452-1	NO					
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1924211-1	NO					
1924211-3	NO					
1924212-1	NO					
1924212-2	NO					
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1924292-1	NO					
1924292-5	NO					
1924292-6	NO					
1924337-1	NO					
1924337-2	NO					
1924337-3	NO					
1924346-1	NO					
1924346-3	NO					

Part Number	Part Discontinued per PCN	Customer Drawing	Alias Part Number(s)	Substitute Part Number	Substitute Alias Part Number(s)	Description Of Difference
1924484-1	NO					
1924639-1	NO					
1924639-2	NO					
1924779-1	NO					
1924900-1	NO					
1924900-4	NO					
1924939-1	NO					
1924940-1	NO					
1924940-5	NO					
1924940-6	NO					
1924941-1	NO					
1924941-2	NO					
1924941-4	NO					
1924941-5	NO					
1924941-6	NO					
1924941-7	NO					
1924941-8	NO					
1924941-9	NO					
1924942-1	NO					
1924942-2	NO					
1924942-3	NO					
1924942-6	NO					
1924943-1	NO					
1924944-1	NO					
1924944-2	NO					
1924944-4	NO					
1924944-6	NO					
2-1326327-8	NO					
2-1438083-1	NO					
2-1438454-1	NO					
2-1438521-4	NO					
2-1438521-5	NO					
2-1438521-7	NO					
2-1438950-1	NO					
2-1924067-0	NO					
2-1924211-1	NO					
2-1924783-9	NO					
2-1924939-2	NO					
2-1924939-4	NO					
2-1924940-3	NO					
2-1924941-0	NO					
2-1924941-1	NO					
2-2098923-0	NO					
2-2098923-1	NO					
2-2098923-2	NO					
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2-2203654-9	NO					
2-638517-1	NO					
2-638518-1	NO					
2-638849-1	NO					
2-776728-5	NO					
2035024-1	NO					
2035024-2	NO					
2035037-1	NO					
2035037-2	NO					
2035239-1	NO					
2035360-1	NO					
2035360-3	NO					
2035360-5	NO					
2035363-1	NO					
2035363-2	NO					
2035363-3	NO					
2035363-4	NO					
2035363-5	NO					
2035363-6	NO					

Part Number	Part Discontinued per PCN	Customer Drawing	Alias Part Number(s)	Substitute Part Number	Substitute Alias Part Number(s)	Description Of Difference
2035363-7	NO					
2098067-1	NO					
2098067-2	NO					
2098067-3	NO					
2098067-4	NO					
2098067-5	NO					
2098067-6	NO					
2098067-7	NO					
2098198-5	NO					
2098256-7	NO					
2098269-1	NO					
2098269-4	NO					
2098401-2	NO					
2098407-1	NO					
2098489-1	NO					
2098491-1	NO					
2098541-1	NO					
2098541-5	NO					
2098541-6	NO					
2098557-1	NO					
2098557-4	NO					
2098557-7	NO					
2098559-5	NO					
2098559-6	NO					
2098559-7	NO					
2098559-8	NO					
2098627-1	NO					
2098627-2	NO					
2098633-1	NO					
2098641-1	NO					
2098641-2	NO					
2098641-5	NO					
2098641-6	NO					
2098681-1	NO					
2098863-1	NO					
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2098966-1	NO					
2098966-2	NO					
2098966-3	NO					
2098966-6	NO					
2098966-7	NO					
2138045-1	NO					
2138046-3	NO					
2138046-6	NO					
2138047-3	NO					
2138144-1	NO					

Part Number	Part Discontinued per PCN	Customer Drawing	Alias Part Number(s)	Substitute Part Number	Substitute Alias Part Number(s)	Description Of Difference
2138209-1	NO					
2138250-1	NO					
2138251-1	NO					
2138252-1	NO					
2138260-1	NO					
2138274-1	NO					
2138281-2	NO					
2138314-1	NO					
2138314-5	NO					
2138314-7	NO					
2138338-5	NO					
2138338-7	NO					
2138414-1	NO					
2138731-1	NO					
2138873-4	NO					
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2203314-1	NO					
2203314-2	NO					
2203314-3	NO					
2203318-1	NO					
2203318-2	NO					
2203321-1	NO					
2203321-2	NO					
2203321-3	NO					
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2203537-1	NO					
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2203654-9	NO					
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2203781-1	NO					
2203781-2	NO					
2203918-1	NO					
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2272431-1	NO					
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2287729-2	NO					
2288276-1	NO					
2288276-2	NO					
2289050-1	NO					
2289050-2	NO					
2291594-1	NO					
2296701-1	NO					

Part Number	Part Discontinued per PCN	Customer Drawing	Alias Part Number(s)	Substitute Part Number	Substitute Alias Part Number(s)	Description Of Difference
2296701-6	NO					
2297354-1	NO					
2306639-1	NO					
2306984-1	NO					
2309644-1	NO					
2309644-3	NO					
2309644-4	NO					
2311107-1	NO					
2320479-1	NO					
2324011-1	NO					
3-1326328-4	NO					
3-1326339-5	NO					
3-1326339-6	NO					
3-1326339-7	NO					
3-1326727-2	NO					
3-1326727-3	NO					
3-1326729-3	NO					
3-1437287-4	NO		"0941972R01"			
3-1437854-1	NO		"103625"			
3-1438640-2	NO					
3-1438640-5	NO					
3-1438640-7	NO					
3-1438640-9	NO					
3-1438841-8	NO					
3-1924939-1	NO					
3-1924939-4	NO					
3-1924939-5	NO					
3-2098269-1	NO					
3-2098269-2	NO					
3-2098269-3	NO					
3-2098269-6	NO					
3-2098269-7	NO					
3-2098269-8	NO					
3-2098922-3	NO					
3-2203654-2	NO					
3-2203654-4	NO					
3-2203654-5	NO					
3-638517-0	NO					
3-776729-0	NO					
4-1326339-1	NO					
4-1326339-5	NO					
4-1326339-7	NO					
4-1437287-0	NO		"0944252L01"			
4-1437287-5	NO		"130025602401"			
4-1437287-6	NO		"130025602402"			
4-1437287-7	NO		"130025603205"			
4-1437290-5	NO		"4001753201"			
4-1437290-6	NO		"4001753202"			
4-1437290-7	NO		"4001753203"			
4-1438083-3	NO					
4-1438083-4	NO					
4-1438640-5	NO					
4-1454396-1	NO		"108104D"			
4-1454396-7	NO		"X109732A"			
4-1456426-1	NO					
4-1456426-2	NO					
4-1488991-1	NO					
4-1488991-2	NO					
4-1587041-6	NO					
4-1924067-1	NO					
4-1924067-2	NO					
4-1924292-1	NO					
4-1924939-2	NO					
4-1924939-3	NO					
4-1924939-5	NO					

Part Number	Part Discontinued per PCN	Customer Drawing	Alias Part Number(s)	Substitute Part Number	Substitute Alias Part Number(s)	Description Of Difference
4-1924939-7	NO					
4-1924939-8	NO					
4-1924939-9	NO					
4-2098269-2	NO					
4-2098269-5	NO					
4-2098269-6	NO					
4-2098541-1	NO					
4-2098541-2	NO					
4-2098557-1	NO					
4-2098641-1	NO					
4-2098641-2	NO					
4-2138685-1	NO					
4-2203542-7	NO					
4-2203542-8	NO					
4-2203654-2	NO					
4-2203654-6	NO					
4-2203654-7	NO					
4-2203654-8	NO					
4-2203654-9	NO					
4-2272003-1	NO					
4-2272003-2	NO					
4-2272003-4	NO					
4-2272003-5	NO					
4-2272004-1	NO					
4-2272004-2	NO					
4-2272005-1	NO					
4-2272005-2	NO					
4-2272173-1	NO					
4-2272173-2	NO					
4-2272173-3	NO					
4-776728-0	NO					
4-776728-1	NO					
4-776728-2	NO					
4-776728-3	NO					
414946-1	NO					
5-1326339-0	NO					
5-1419166-6	NO					
5-1419167-6	NO					
5-1419168-8	NO		"V23542-G1516-D101"			
5-1437287-0	NO		"1300279"			
5-1437854-0	NO		"104055"			
5-1438082-1	NO					
5-1438841-9	NO					
5-1924939-0	NO					
5-1924939-1	NO					
5-1924939-4	NO					
5-1924939-5	NO					
5-1924939-6	NO					
5-1924939-7	NO					
5-2098269-0	NO					
5-2138685-5	NO					
5-2203541-6	NO					
5-2203541-7	NO					
5-2203542-0	NO					
5-2272352-5	NO					
5-2306984-6	NO					
5-2306984-7	NO					
6-1419166-1	NO		"V23542-G1404-A107"			
6-1419166-2	NO		"V23542-G1404-A108"			
6-1419167-1	NO		"V23542-G1416-A107"			
6-1924939-5	NO					
6-1924939-9	NO					
6-2098922-6	NO					
6-2203541-3	NO					
6-2203541-5	NO					

Part Number	Part Discontinued per PCN	Customer Drawing	Alias Part Number(s)	Substitute Part Number	Substitute Alias Part Number(s)	Description Of Difference
6-2203541-6	NO					
6-2203542-1	NO					
6-2203542-2	NO					
6-2203542-8	NO					
6-2203542-9	NO					
6-2309433-1	NO					
6-776728-8	NO					
6-776728-9	NO					
6-776729-0	NO					
6-776729-3	NO					
6-776729-4	NO					
6-776729-5	NO					
638014-1	NO					
638079-1	NO					
638082-1	NO					
638097-2	NO					
638113-1	NO					
638116-1	NO					
638119-1	NO					
638137-1	NO					
638141-1	NO					
638143-1	NO					
638147-1	NO					
638151-1	NO					
638157-1	NO					
638199-2	NO					
638207-6	NO					
638207-8	NO					
638245-1	NO					
638245-2	NO					
638286-2	NO					
638392-1	NO					
638392-2	NO					
638392-3	NO					
638393-1	NO					
638393-3	NO					
638393-5	NO					
638393-7	NO					
638394-1	NO					
638394-4	NO					
638394-5	NO					
638397-1	NO					
638444-9	NO					
638514-1	NO					
638514-8	NO					
638517-5	NO					
638518-5	NO					
638518-8	NO					
638817-3	NO					
638817-4	NO					
638817-8	NO					
638817-9	NO					
638818-2	NO					
638832-3	NO		"1000012806-0001"			
638849-7	NO					
638939-5	NO					
7-1326728-8	NO					
7-1326728-9	NO					
7-2098922-2	NO					
7-2203541-2	NO					
7-2203541-3	NO					
7-2203541-4	NO					
7-2203541-5	NO					
7-2203542-0	NO					
7-776728-0	NO					

Part Number	Part Discontinued per PCN	Customer Drawing	Alias Part Number(s)	Substitute Part Number	Substitute Alias Part Number(s)	Description Of Difference
7-776728-1	NO					
7-776729-2	NO					
7-776729-4	NO					
7-776729-5	NO					
776728-1	NO					
776729-1	NO					
776793-1	NO					
776793-2	NO					
776905-1	NO					
776905-8	NO					
776932-1	NO					
776932-3	NO					
776932-4	NO					
9-1419157-6	NO		"V23542-G1410-A107"			
9-1419166-0	NO		"V23542-G1408-A101"			
9-1438082-2	NO					
9-1454396-3	NO		"X109644C"			
917981-1	NO					
917981-2	NO					
917981-6	NO					
917989-1	NO		"0-0917989-1"			
917989-2	NO					
917989-6	NO					
917992-1	NO					
917992-6	NO					



Section 3

Customer Engineering Approval



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



DATA - GRR ATTRIBUTES STUDY

Empalme Site

DATE:	27-Nov-18
REQUEST:	Mario Baidon
QUALITY ENGINEER:	Mario Baidon
MANUFACTURE ENGINEER	Josue Garcia
PLANT:	Plant 2
SPC TECHNICIAN:	Moises Escarrega
Numero de Parte:	2035360-1
COMMENT General:	Sistema de vision

Work Center:	8563
NUM. Gage-Fixture	49814014
OPERATOR 1	-Operador 1
OPERATOR 2	-Operador 2
OPERATOR 3	-Operador 3
Standard Record	2018-1103

Known Population				-Operador 1			Expert	-Operador 2			Expert	-Operador 3			Expert	OPER VS OPER	OPER VS SAMPLE
# ID	Num Sample	DETAILS	Standard	Try #1	Try #2	Try #3	Result	Try #1	Try #2	Try #3	Result	Try #1	Try #2	Try #3	Result	Agree	Agree
1	1	BUENA	YES	YES	YES	YES	ACCEPTED	YES	YES	YES	ACCEPTED	YES	YES	YES	ACCEPTED	OK	OK
2	1	BUENA	YES	YES	YES	YES	ACCEPTED	YES	YES	YES	ACCEPTED	YES	YES	YES	ACCEPTED	OK	OK
3	5	TPA CERRADO LADO DERECHO	NO	NO	NO	NO	ACCEPTED	NO	NO	NO	ACCEPTED	NO	NO	NO	ACCEPTED	OK	OK
4	3	TPA FALTANTE	NO	NO	NO	NO	ACCEPTED	NO	NO	NO	ACCEPTED	NO	NO	NO	ACCEPTED	OK	OK
5	6	HSG CON GUIA INCORRECTA	NO	NO	NO	NO	ACCEPTED	NO	NO	NO	ACCEPTED	NO	NO	NO	ACCEPTED	OK	OK
6	4	TPA CERRADO LADO IZQUIERDO	NO	NO	NO	NO	ACCEPTED	NO	NO	NO	ACCEPTED	NO	NO	NO	ACCEPTED	OK	OK
7	7	HSG CON GUIA INCORRECTA	NO	NO	NO	NO	ACCEPTED	NO	NO	NO	ACCEPTED	NO	NO	NO	ACCEPTED	OK	OK
8	1	BUENA	YES	YES	YES	YES	ACCEPTED	YES	YES	YES	ACCEPTED	YES	YES	YES	ACCEPTED	OK	OK
9	2	TPA CERRADO	NO	NO	NO	NO	ACCEPTED	NO	NO	NO	ACCEPTED	NO	NO	NO	ACCEPTED	OK	OK
10	3	TPA FALTANTE	NO	NO	NO	NO	ACCEPTED	NO	NO	NO	ACCEPTED	NO	NO	NO	ACCEPTED	OK	OK
11	6	HSG CON GUIA INCORRECTA	NO	NO	NO	NO	ACCEPTED	NO	NO	NO	ACCEPTED	NO	NO	NO	ACCEPTED	OK	OK
12	5	TPA CERRADO LADO DERECHO	NO	NO	NO	NO	ACCEPTED	NO	NO	NO	ACCEPTED	NO	NO	NO	ACCEPTED	OK	OK
13	3	TPA FALTANTE	NO	NO	NO	NO	ACCEPTED	NO	NO	NO	ACCEPTED	NO	NO	NO	ACCEPTED	OK	OK
14	2	TPA CERRADO	NO	NO	NO	NO	ACCEPTED	NO	NO	NO	ACCEPTED	NO	NO	NO	ACCEPTED	OK	OK
15	4	TPA CERRADO LADO IZQUIERDO	NO	NO	NO	NO	ACCEPTED	NO	NO	NO	ACCEPTED	NO	NO	NO	ACCEPTED	OK	OK
16	7	HSG CON GUIA INCORRECTA	NO	NO	NO	NO	ACCEPTED	NO	NO	NO	ACCEPTED	NO	NO	NO	ACCEPTED	OK	OK
17	1	BUENA	YES	YES	YES	YES	ACCEPTED	YES	YES	YES	ACCEPTED	YES	YES	YES	ACCEPTED	OK	OK
18	2	TPA CERRADO	NO	NO	NO	NO	ACCEPTED	NO	NO	NO	ACCEPTED	NO	NO	NO	ACCEPTED	OK	OK
19	2	TPA CERRADO	NO	NO	NO	NO	ACCEPTED	NO	NO	NO	ACCEPTED	NO	NO	NO	ACCEPTED	OK	OK
20	3	TPA FALTANTE	NO	NO	NO	NO	ACCEPTED	NO	NO	NO	ACCEPTED	NO	NO	NO	ACCEPTED	OK	OK
21	6	HSG CON GUIA INCORRECTA	NO	NO	NO	NO	ACCEPTED	NO	NO	NO	ACCEPTED	NO	NO	NO	ACCEPTED	OK	OK
22	1	BUENA	YES	YES	YES	YES	ACCEPTED	YES	YES	YES	ACCEPTED	YES	YES	YES	ACCEPTED	OK	OK
23	5	TPA CERRADO LADO DERECHO	NO	NO	NO	NO	ACCEPTED	NO	NO	NO	ACCEPTED	NO	NO	NO	ACCEPTED	OK	OK
24	7	HSG CON GUIA INCORRECTA	NO	NO	NO	NO	ACCEPTED	NO	NO	NO	ACCEPTED	NO	NO	NO	ACCEPTED	OK	OK
25	1	BUENA	YES	YES	YES	YES	ACCEPTED	YES	YES	YES	ACCEPTED	YES	YES	YES	ACCEPTED	OK	OK
26	2	TPA CERRADO	NO	NO	NO	NO	ACCEPTED	NO	NO	NO	ACCEPTED	NO	NO	NO	ACCEPTED	OK	OK
27	1	BUENA	YES	YES	YES	YES	ACCEPTED	YES	YES	YES	ACCEPTED	YES	YES	YES	ACCEPTED	OK	OK
28	4	TPA CERRADO LADO IZQUIERDO	NO	NO	NO	NO	ACCEPTED	NO	NO	NO	ACCEPTED	NO	NO	NO	ACCEPTED	OK	OK
29	5	TPA CERRADO LADO DERECHO	NO	NO	NO	NO	ACCEPTED	NO	NO	NO	ACCEPTED	NO	NO	NO	ACCEPTED	OK	OK
30	6	HSG CON GUIA INCORRECTA	NO	NO	NO	NO	ACCEPTED	NO	NO	NO	ACCEPTED	NO	NO	NO	ACCEPTED	OK	OK



DATA - GRR ATTRIBUTES STUDY

Empalme Site

DATE:	27-Nov-18
REQUEST:	Mario Baidon
QUALITY ENGINEER:	Mario Baidon
MANUFACTURE ENGINEER	Josue Garcia
PLANT:	Plant 2
SPC TECHNICIAN:	Moises Escarrega
Numero de Parte:	2035360-1
COMMENT General:	Sistema de vision

Work Center:	8563
NUM. Gage-Fixture	49814014
OPERATOR 1	-Operador 1
OPERATOR 2	-Operador 2
OPERATOR 3	-Operador 3
Standard Record	2018-1103

Known Population				-Operador 1			Expert	-Operador 2			Expert	-Operador 3			Expert	OPER VS OPER	OPER VS SAMPLE
# ID	Num Sample	DETAILS	Standard	Try #1	Try #2	Try #3	Result	Try #1	Try #2	Try #3	Result	Try #1	Try #2	Try #3	Result	Agree	Agree
31	7	HSG CON GUIA INCORRECTA	NO	NO	NO	NO	ACCEPTED	NO	NO	NO	ACCEPTED	NO	NO	NO	ACCEPTED	OK	OK
32	2	TPA CERRADO	NO	NO	NO	NO	ACCEPTED	NO	NO	NO	ACCEPTED	NO	NO	NO	ACCEPTED	OK	OK
33	5	TPA CERRADO LADO DERECHO	NO	NO	NO	NO	ACCEPTED	NO	NO	NO	ACCEPTED	NO	NO	NO	ACCEPTED	OK	OK
34	3	TPA FALTANTE	NO	NO	NO	NO	ACCEPTED	NO	NO	NO	ACCEPTED	NO	NO	NO	ACCEPTED	OK	OK
35	4	TPA CERRADO LADO IZQUIERDO	NO	NO	NO	NO	ACCEPTED	NO	NO	NO	ACCEPTED	NO	NO	NO	ACCEPTED	OK	OK
36	6	HSG CON GUIA INCORRECTA	NO	NO	NO	NO	ACCEPTED	NO	NO	NO	ACCEPTED	NO	NO	NO	ACCEPTED	OK	OK
37	1	BUENA	YES	YES	YES	YES	ACCEPTED	YES	YES	YES	ACCEPTED	YES	YES	YES	ACCEPTED	OK	OK
38	2	TPA CERRADO	NO	NO	NO	NO	ACCEPTED	NO	NO	NO	ACCEPTED	NO	NO	NO	ACCEPTED	OK	OK
39	3	TPA FALTANTE	NO	NO	NO	NO	ACCEPTED	NO	NO	NO	ACCEPTED	NO	NO	NO	ACCEPTED	OK	OK
40	7	HSG CON GUIA INCORRECTA	NO	NO	NO	NO	ACCEPTED	NO	NO	NO	ACCEPTED	NO	NO	NO	ACCEPTED	OK	OK
41	5	TPA CERRADO LADO DERECHO	NO	NO	NO	NO	ACCEPTED	NO	NO	NO	ACCEPTED	NO	NO	NO	ACCEPTED	OK	OK
42	1	BUENA	YES	YES	YES	YES	ACCEPTED	YES	YES	YES	ACCEPTED	YES	YES	YES	ACCEPTED	OK	OK
43	6	HSG CON GUIA INCORRECTA	NO	NO	NO	NO	ACCEPTED	NO	NO	NO	ACCEPTED	NO	NO	NO	ACCEPTED	OK	OK
44	4	TPA CERRADO LADO IZQUIERDO	NO	NO	NO	NO	ACCEPTED	NO	NO	NO	ACCEPTED	NO	NO	NO	ACCEPTED	OK	OK
45	3	TPA FALTANTE	NO	NO	NO	NO	ACCEPTED	NO	NO	NO	ACCEPTED	NO	NO	NO	ACCEPTED	OK	OK
46	4	TPA CERRADO LADO IZQUIERDO	NO	NO	NO	NO	ACCEPTED	NO	NO	NO	ACCEPTED	NO	NO	NO	ACCEPTED	OK	OK
47	7	HSG CON GUIA INCORRECTA	NO	NO	NO	NO	ACCEPTED	NO	NO	NO	ACCEPTED	NO	NO	NO	ACCEPTED	OK	OK
48	1	BUENA	YES	YES	YES	YES	ACCEPTED	YES	YES	YES	ACCEPTED	YES	YES	YES	ACCEPTED	OK	OK
49	5	TPA CERRADO LADO DERECHO	NO	NO	NO	NO	ACCEPTED	NO	NO	NO	ACCEPTED	NO	NO	NO	ACCEPTED	OK	OK
50	4	TPA CERRADO LADO IZQUIERDO	NO	NO	NO	NO	ACCEPTED	NO	NO	NO	ACCEPTED	NO	NO	NO	ACCEPTED	OK	OK

Final comments of the study:

SPC Technician: Must be sent to answer to request, quality engineer and manufacture engineer.



REPORT GRR ATRIBUTOS

DATE	27-Nov-18	ID - EQUIPMENT
STANDAR RECORD	2018-1103	49814014
Work Center:	8563	
RESULT	ACCEPTED	

Operators

Inspected total

Agreement

95% UCL

Calculated Score

95% LCL

% OPER VS OPER			% OPER VS PIEZA		
-Operador 1	-Operador 2	-Operador 3	-Operador 1	-Operador 2	-Operador 3
50	50	50	50	50	50
50	50	50	50	50	50
100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
94.18%	94.18%	94.18%	94.18%	94.18%	94.18%

Total Inspected

coincidencias

95% UCL

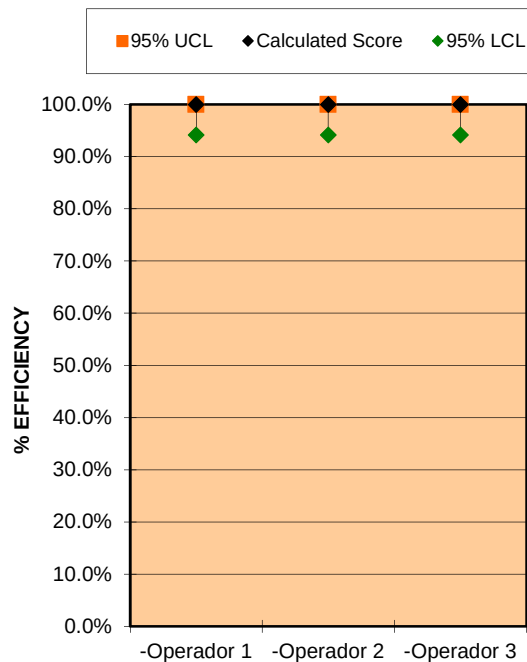
Calculated Score

95% LCL

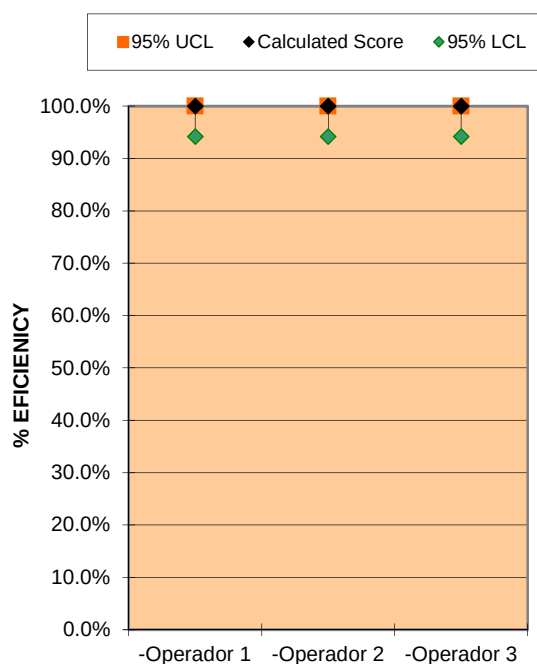
Screen % Effective Score	
	50
	50
	100.0%
	100.0%
	94.18%

Screen % Effective Score vs Standard	
	50
	50
	100.0%
	100.0%
	94.18%

% SAME OPERATOR



% OPERATOR VS SAMPLE



Section 9

Dimensional Results



Production Part Approval

DIMENSIONAL TEST RESULTS



TE Connectivity-Empalme is accredited by ANSI-ASQ National Accreditation Board for ISO/IEC 17025 under a defined calibration and/or testing scope.

Organization: TE Connectivity					Part Number: 2035360-X								
Supplier/Vendor Code: N/A					Part Name: FEMALE CONNECTOR ASSEMBLY 4 POSITION (1X4) UNSEALED GENERATION Y								
INSPECTION FACILITY: TE Connectivity Empalme Metrology lab					Design Record Change Level: DWG: C - 2035360 REV. A3								
					Engineering Change Documents: N/A								
					# Folio: 43897 Page 1 of 1								
Item	Dim./Spec.	Spec. / Limits		Units	Organization Measurement Results (Data)						Ok	Not Ok	Instrument # ID
		tol +	tol -		SAMPLE 1	SAMPLE 2	SAMPLE 3	SAMPLE 4	SAMPLE 5	SAMPLE 6			
1	23.37	0.60	0.60	mm.	23.173	23.265	23.229	23.202	23.195	23.222	✓		LMMC-009
2	13.45	0.40	0.40	mm.	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
3	13.47	0.07	0.07	mm.	13.497	13.498	13.485	13.502	13.487	13.510	✓		LMMC-009
4	20	MINIMUM		mm.	OK	OK	OK	OK	OK	OK	✓		LMMC-009
5	HOUSING			visual	OK	OK	OK	OK	OK	OK	✓		
6	SPACER			visual	OK	OK	OK	OK	OK	OK	✓		
7	CPA (OPTIONAL)			visual	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
8	CIRCUIT IDENTIFICATION NUMBERS LOCATED AS SHOWN.				OK	OK	OK	OK	OK	OK	✓		
9	SPACER AND CPA (OPTIONAL) ARE SHIPPED IN PRE-ASSEMBLED POSITION.				OK	OK	OK	OK	OK	OK	✓		
10	DATE CODE: FORMAT: JJJ = JULIAN DAY, Y = YEAR (4TH DIGIT).				OK	OK	OK	OK	OK	OK	✓		
11	MOLD CAVITY IDENTIFICATION.				OK	OK	OK	OK	OK	OK	✓		
12	MATERIAL IDENTIFICATION				OK	OK	OK	OK	OK	OK	✓		
13	PACKING: CONNECTOR ASSEMBLIES BULK PACKAGED IN CARDBARD BOX.				NOTED PER APQP TEAM						✓		
14	REFERENCE TE INSTRUCTION SHEET 408 - 32052.				NOTED PER APQP TEAM						✓		
CONCLUSION:													
TOTAL # OF FEATURES					12								
LESS BASIC DIMENSIONS					0								
LESS REFERENCE DIMENSIONS					0								
REPORTED DIMENSIONS					12								
# DIMENSIONS IN TOLERANCE					12								
# DIMENSIONS OUT OF TOLERANCE					0								
% DIMENSION IN TOLERANCE					100.00 %								
% DIMENSION OUT OF TOLERANCE					0.00 %								

March 2006 CFG-1003

AEF004J-EG Rev: J

SIGNATURE
Daniel Zazueta

TITLE
Metrology Chief

DATE
November 28, 2018



Section 10

Material, Performance Test Results

Certificate of Analysis

Certificate Type:

 Insp. certificate "3.1" EN
10204

Date printed: MAY/14/2018

 TE CONNECTIVITY
8000 PIEDMONT TRIAD PARKWAY
North Carolina
27409
GREENSBORO
USA

Shipped from details:
SABIC INNOVATIVE PLASTICS US LLC
1 LEXAN LN
47620-0000
MT. VERNON
USA

Material Number	22021926
Material Description	508R-RD3E204-OCT-00-00-00
Material Group	VALOX™ resin
Batch Number	0007370160
Manufacturing Plant	Mt. Vernon
Manufacturing Date	MAR/14/2018
Sales Order	2328381
Delivery	89694433
Customer PO Number	2703975940
Customer Material Number	1-703566-3

Characteristic	Unit	Value	Lower Limit	Upper Limit	Inspection method
GLASS CONTENT	%	29.0	28.0	32.0	ASTM D5630
METAL CONTAMINATION	-	Pass	-	-	SABIC
MVR 250°C @2.16KG	CC/10'	7.3	6.0	9.7	ISO 1133
SPECIFIC GRAVITY		1.47000	1.470	1.540	ASTM D792
TENSILE MODULUS	MPa	9489.00	8154.0		ISO 527
TENSILE STRENGTH @BREAK	MPa	134.650	95.0		ISO 527
HDT FW 1.80MPa 4.0MM	°C	182.500	145.0		ISO 75-1,2
DENSITY	g/cm3	1.47000	1.470	1.530	ISO 1183
CHARPY NOTCH 23°C	kJ/m2	10.6000	10.0		ISO 179

The results in bold/italics are audit tests, latest done on 04/13/2018.

General Note : This document is computer generated and does not require a signature

Contact information can be found on www.SABIC.com.

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Certificate of Analysis

Certificate Type:

Insp. certificate "3.1" EN
10204

Date printed: MAY/14/2018

**TE CONNECTIVITY**

8000 PIEDMONT TRIAD PARKWAY
North Carolina
27409
GREENSBORO
USA

Shipped from details:

SABIC INNOVATIVE PLASTICS US LLC
1 LEXAN LN
47620-0000
MT. VERNON
USA

EXPRESS OR IMPLIED REPRESENTATION, WARRANTY OR GUARANTEE (i) THAT ANY RESULTS DESCRIBED IN THIS DOCUMENT WILL BE OBTAINED UNDER END-USE CONDITIONS, OR (ii) AS TO THE EFFECTIVENESS OR SAFETY OF ANY DESIGN OR APPLICATION INCORPORATING SELLER'S MATERIALS, PRODUCTS, SERVICES OR RECOMMENDATIONS. UNLESS OTHERWISE PROVIDED IN SELLER'S STANDARD CONDITIONS OF SALE, SELLER SHALL NOT BE RESPONSIBLE FOR ANY LOSS RESULTING FROM ANY USE OF ITS MATERIALS, PRODUCTS, SERVICES OR RECOMMENDATIONS DESCRIBED IN THIS DOCUMENT. Each user is responsible for making its own determination as to the suitability of Seller's materials, products, services or recommendations for the user's particular use through appropriate end-use and other testing and analysis. Nothing in any document or oral statement shall be deemed to alter or waive any provision of Seller's Standard Conditions of Sale or this Disclaimer, unless it is specifically agreed to in a writing signed by Seller. Statements by Seller concerning a possible use of any material, product, service or design do not, are not intended to, and should not be construed to grant any license under any patent or other intellectual property right of Seller or as a recommendation for the use of any material, product, service or design in a manner that infringes any patent or other intellectual property right. SABIC and brands marked with TM are trademarks of SABIC or its subsidiaries or affiliates.

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*** End ***

219678149

Certificate of Analysis

Customer:	Product Number	: 55558828
	Product Name	: ULTRAMID® A3EG7 BLACK 23189 POLYAMIDE
TE CONNECTIVITY CORPORATION 719 PEGG RD, BLDG 253 GREENSBORO NC 27409-9672	Vehicle	:
	Batch/Lot	: 0207494953
Attention:	Manuf.Date	: Sep-14-2018
FAX:	Shipped Date	: Sep-17-2018
Cust Prod: 702661-9	Shipped Quantity	: 20,412.000 KG
Cust Prod Name: ULT.A3EG7 BK23189	Delivery Date	: Sep-18-2018
Cust P.O.: 2705678146	Order Number	: 116337334 000010
Cust P.O. Line: 1	Delivery Note	: 129486338 000010

Inspection Certificate 3.1 according to EN 10204

Characteristic	Result	UOM	-----Specification-----		Test Method
			Minimum	Maximum	
Ash / Filler Content	33.967	%	33.000	37.000	ASTM5630/ISO3451
Moisture Content	0.05	%		0.15	ASTM D6869 / ISO 15512B
Viscosity Number for Polyamides	138	ml/g	130	160	ISO 307

Comments :

Results shown are the means of individual test values determined on samples taken during production of the lot specified.

This product is approved for the following specifications:

MS-DB41 CPN 2224
MS-DB41 CPN 3695
M5600
M53122



Section 11

Initial Process Studies

Fit, form and function will not be affected, CPK is not applicable also because the dimensional plane not showing any special characteristics.

Section 12

Qualified Laboratory Documentation



CERTIFICATE OF ACCREDITATION

ANSI-ASQ National Accreditation Board

500 Montgomery Street, Suite 625, Alexandria, VA 22314, 877-344-3044

This is to certify that

TE Connectivity - Empalme
Carretera Internacional Km. 1969 Guad-Nog. Km.2
Sonora, C.P. 85340, Mexico

has been assessed by ANAB
and meets the requirements of international standard

ISO/IEC 17025:2005

while demonstrating technical competence in the fields of

CALIBRATION & TESTING

Refer to the accompanying Scope of Accreditation for information regarding the types of calibrations / tests to which this accreditation applies.

ACT-1173

Certificate Number


ANAB Approval

Certificate Valid: 04/24/2018-05/03/2019
Version No. 004 Issued: 04/24/2018



This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2005. This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality management system (refer to joint ISO-ILAC-IAF Communiqué dated April 2017).

SCOPE OF ACCREDITATION TO ISO/IEC 17025:2005

TE Connectivity - Empalme

Carretera Internacional Km.1969 Guad-Nog. Km.2,
Sonora, C.P. 85340, Mexico
Daniel Zazueta 011-622-225-1174

CALIBRATION & TESTING

Valid to: **May 3, 2019**

Certificate Number: **ACT-1173**

Mechanical Testing

Specific Tests and/or Properties Measured	Specification, Standard, Method, or Test Technique	Items, Materials or Product Tested	Key Equipment or Technology
Force (0 to 200) lbf	Equipment Manual	Wiring Harnesses, Plastic and Metal Automotive Components	Force Gage
Mass (0 to 4) kg	Equipment Manual	Plastic and Metal Automotive Components	Scales
Moisture Content 45 g (50 to 200) °C	Work Instruction AEW021T-LB, Equipment Manual	Plastic Automotive Components	Ohaus MB 45 Moisture Analyzer
Melt Flow Rate	Work Instruction AEW022T-LB based on ASTM D1238, Equipment Manual	Plastic Automotive Components	Extrusion Plastometer Oven

Dimensional Measurement/Testing

Specific Tests and/or Properties Measured	Specification, Standard, Method, or Test Technique	Items, Materials or Product Tested	Key Equipment or Technology
Dimensions 210 mm (X) 215 mm (Y) 100 mm (Z)	ASME Y14.5M, Engineering Drawing, Equipment Manual	Plastic and Metal Automotive Components	Vision Systems
Dimensions Up to 50 mm	ASME Y14.5M, Engineering Drawing, Equipment Manual	Plastic and Metal Automotive Components	Digital Height Indicator

Dimensional Measurement/Testing

Specific Tests and/or Properties Measured	Specification, Standard, Method, or Test Technique	Items, Materials or Product Tested	Key Equipment or Technology
Dimensions Up to 0.8 mm	ASME Y14.5M, Engineering Drawing, Equipment Manual	Plastic and Metal Automotive Components	Dial Test Indicator
Dimensions Up to 200 mm	ASME Y14.5M, Engineering Drawing, Equipment Manual	Plastic and Metal Automotive Components	Calipers
Dimensions Up to 25.4 mm	ASME Y14.5M, Engineering Drawing, Equipment Manual	Plastic and Metal Automotive Components	Micrometers
Dimensions 609 mm (X) 609 mm (Y) 457 mm (Z)	ASME Y14.5M, Engineering Drawing, Equipment Manual	Plastic and Metal Automotive Components	CMM
Dimensions Up to 8 m	ASME Y14.5M, Engineering Drawing.	Wiring Harnesses Automotive Components	Steel Measuring Tapes
Dimensions Up to 1 220 mm	ASME Y14.5M, Engineering Drawing.	Wiring Harnesses Automotive Components	Steel Rule

Length – Dimensional Metrology

Parameter / Equipment	Range	Expanded Uncertainty of Measurement (+/-) ¹	Reference Standard, Method and/or Equipment
Steel Measuring Tapes	Up to 8 m	0.32 mm / 50 cm	Digital Scale Work Instruction AEW001T-LB Tyco Spec 117-95 Calibration Steel Measuring Tapes. JIS B 7512 (1993)
Steel Rules	Up to 1 220 mm	0.060 mm / 50 cm	Master Height Gage Digital Scale Work Instruction AEW001T-LB Tyco Spec. 117-94 Calibration Steel Rules, JIS B 7516 (1987)
Granite Surfaces Plates Repeatability Resolution 0.00001 in	(12 x 18) in to (40 x 60) in	36 µin	Mahr Repeatometer Precision Dial Indicator Work Instruction AEW002T-LB, JIS B 7513 (1992), GGG-P-463c-1973
Dial Test Indicator (lever-type)	Up to 1 mm	0.012 mm	Height Master Work Instruction AEW004T-LB, JIS B 7533 (1990), Tyco Spec 117-14 Dial Indicator, Electronic and



Parameter / Equipment	Range	Expanded Uncertainty of Measurement (+/-) ¹	Reference Standard, Method and/or Equipment
Calipers	Up to 200 mm	0.023 mm	Gage Blocks Ring Gages Work Instruction AEW005T-LB, JIS B 7507 (1993), Tyco Spec 117-9 Caliper, Vernier, Dial and Digital
Micrometer	Up to 25.4 mm	0.0016 mm	Gage Blocks Grade 2 Work Instruction AEW006T-LB, JIS B 7502 (1994), Tyco Spec 117-5 Micrometer, Inch/Metric, Outside, Blade and Flange
Optical Comparator	Up to 300 mm (X,Y)	0.0046 mm	Glass Scale Work Instruction AEW007T-LB, JIS B 7184:1999, Tyco Spec 117-19 Optical Comparators
Video Comparator	Up to 300 mm (X,Y,Z)	0.0052 mm	Glass Scale Gage Blocks Work Instruction AEW007T-LB, JIS B 7184:1999
Digital Height Indicator (Travel-Type)	Up to 50 mm	0.0021 mm	Gage Blocks Work Instruction AEW008T-LB, Tyco Spec. 117-14 Dial Indicator Electronic and Mechanical

Mass

Parameter / Equipment	Range	Expanded Uncertainty of Measurement (+/-) ¹	Reference Standard, Method and/or Equipment
Force Gage	Up to 200 lb·f	0.12 lb·f	Master Weights Work Instruction AEW003T-LB, Tyco Spec 117-70 Force Gages
Scales (0.01 g Resolution)	(0 to 4) kg	0.45 g	Master Weights Class OIML M3 & ASTM 6 Work Instruction AEW013T-LB, NOM-010-SCFI-1994

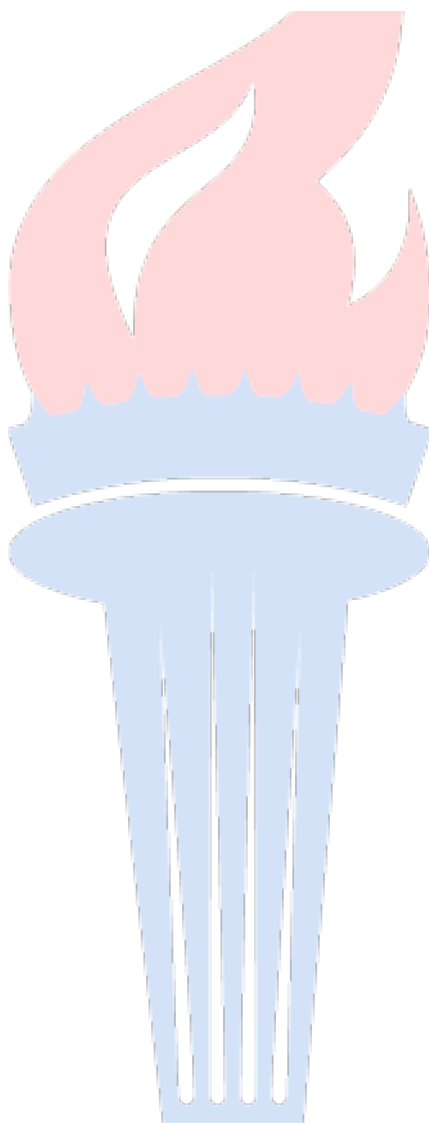
Notes:

1. Calibration and Measurement Capability (CMC) is expressed in terms of the measurement parameter, measurement range, expanded uncertainty of measurement and reference standard, method, and/or equipment. The expanded uncertainty of measurement is expressed as the standard uncertainty of the measurement multiplied by a coverage factor of 2 ($k=2$), corresponding to a confidence level of approximately 95%.

2. L in uncertainties represents length in inches.
3. The uncertainty associated when calibrating a balance/scale is dependent on local conditions, such as the resolution of the unit being calibrated and the environment in which the balance/scale is operating. The uncertainty listed in the scope here represents the best uncertainty for a balance/scale which the organization typically calibrates in its lab. Since field (on-site) conditions are typically more variable than those in the laboratory, larger measurement uncertainties are expected in the field (on-site) than what is reported on the accredited scope.
4. This scope is formatted as part of a single document including the Certificate of Accreditation No. ACT-1173.



Vice President



Certificate of Registration

QUALITY MANAGEMENT SYSTEM - IATF 16949:2016

This is to certify that:

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

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: 514458-003

IATF Number: 0315420



Certification Date: 2018-07-11

Latest Issue: 2018-07-11

Page: 1 of 2

...making excellence a habit.™

Expiry Date: 2021-07-10

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

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
Carretera Internacional, KM 1969
Guadalajara-Nogales Km 2
Empalme
Sonora
85340
Mexico

Registered Activities

Manufacture of interconnecting devices.

Including the following remote support functions:

TE Connectivity
Global Automotive Division
Americas North
900 Wilshire Boulevard
Suite 150
Troy, MI 48084
Design and Development.

TE Connectivity
Global Automotive Division
Americas North
Fulling Mill Road
Middletown, PA 17057
Design and Development, Product Testing and Customer Service.

TE Connectivity
Global Automotive Division
Americas North
3800 Reidsville Road
Winston-Salem, NC 27102
Design and Development, Product Testing and Calibration, Business Office (Quote Process) and Purchasing.

TE Connectivity
Global Automotive Division
Americas North
20 Esna Park Drive
Markham, Ontario
L3R 1E1 Canada
Design and Development and product testing (optics lab)

TE Connectivity
Global Automotive Division
Americas North
2100 Paxton Street
Harrisburg, PA 17111
Provision of Product Testing to TE Connectivity Manufacturing Sites.

TE Connectivity North Carolina
Distribution Center
8000 Piedmont Triad Parkway
Greensboro, North Carolina 27409
Receiving Inspection, Storage / Inventory.

BSI Certificate Number: 514458-003

IATF Number: 0315420



Certification Date: 2018-07-11

Latest Issue: 2018-07-11

Expiry Date: 2021-07-10

Page: 2 of 2

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

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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.

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.: **0-2035360-1**

Description: **Female Connector
Assembly 4 Posn (1X4),
Unsealed, Generation Y**

Report No.: **-**

Date of Report: **-**

Purchase Order No.: **-**

Bill of Delivery No.: **-**

Preliminary MDS: **No**

IMDS ID / Version: **284287813 / 6**

Node ID: **719769411**

MDS Status (Change
Date): **Internally released
(02/08/2018)**

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.: 0-2035360-1 Report No.: -
Description: Female Connector Assembly 4 Posn (1X4), Unsealed, IMDS ID / Version: 284287813 / 6
Generation Y
Node ID: 719769411

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	Female Connector Assembly 4 Posn (1X4), Unsealed, Generation	0-2035360-1	284287813 / 6		1.8969				
└2	Female Housing, 4 Posn (1X4),	0-2035359-1	284287392 / 3	1	1.6427				Yes
└3	GT, Unsealed, Generation Y-Black	702661-	70521492 / 3		1.6427			5.1.a	No

IMDS ID / Version: **284287813 / 6**
 User: **Avilez, Julia**

Page: **3 / 3**
 Date: **1/17/19 2:00:51 AM**

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]
└4	Further Additives, not to declare	system				0.5			
└4	GF-Fibre	-				35			
└4	Carbon black	1333-86-4				0.5			
└4	PA66	-				64			
└2	Female Spacer 4 Posn (1X4), GET, Generation Y-Red	0-2035358-1	284287292 / 4	1	0.2542				Yes
└3	PBT+PC-GF30	1-703566-3	553590750 / 1		0.2542			5.1.a	No
└4	PBT+PC	-				66.23431	60 - 70		
└4	GF-Fibre	-				28.117155	25 - 30		
└4	Further Additives, not to declare	system				1.870293	0 - 3		
└4	Pigment portion, not to	system				1.870293	0 - 3		
└4	Zinc sulphide	1314-98-3				1.90795	0.1 - 3	D / P	
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 1X4 GENERATION Y ASSY KEY A Cust. Part Number -
Shown on Drawing No. C-2035360 Org. Part Number 2035360-1
Engineering Change Level A3 Dated Jun 23, 2017
Additional Engineering Changes N / A Dated N / A
Safety and/or Government Regulation ☐ Yes ☒ No Purchase Order No. N / A Weight (kg) 0.0018
Checking Aid Number N / A Checking Aid Engineering Change Level N / A Dated N / A

ORGANIZATION MANUFACTURING INFORMATION

TE Connectivity / 588115092
Supplier Name & Supplier/Vendor Code
Carretera Int. Km. 1969 Guadalajara-Nogales Km. 2
Street Address
Empalme Sonora 85340 México
City Region Postal Code Country

CUSTOMER SUBMITTAL INFORMATION

Nursan Kablo Donanimlari
Customer Name/Division
-
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:

284287813 / 6

Are polymeric parts identified with appropriate ISO marking codes?

☒ Yes ☐ No ☐ N/A

REASON FOR SUBMISSION

- | | |
|--|--|
| ☐ Initial submission | ☐ Change to Optional Construction or Material |
| ☐ Engineering Change(s) | ☐ Sub-Supplier or Material Source Change |
| ☒ Tooling: Transfer, Replacement, Refurbishment, or additional | ☐ Change in Part Processing |
| ☐ Correction of Discrepancy | ☐ Parts produced at Additional Location |
| ☐ Tooling Inactive >than 1 year | ☐ 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""C-Explanation Required)

Mold / Cavity / Production Process Assembly Process

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 TE Property /24 hours.
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: PCN P-18-016097. Rate is TE Property.

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

Organization Authorized Signature Julia Avilés Date 12-Feb-2019

Print Name Julia Avilés Phone No. +52 (662) 500 36 80 Fax No. N/A

Title PPAP Technician E-mail julia.avilez@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