Part Submission Warrant

22/202489
revA

Part Name: 6Pos Generation Y Assy | Cust. Part Number: n/a

Shown on Drawing Number: HU5T-14489-EAA | Org.Part Number: 9-2208798-5

Engineering Change Level: A1 | Dated: 07-03-2016

Additional Engineering Changes: n/a | Dated: n/a

Safety and/or Government Regulation: ☐ Yes ☑ No | Purchase Order No.: n/a | Weight (kg): 2.2873 g

Checking Aid Number: n/a | Checking Aid Engineering Change Level: n/a | Dated: n/a

ORGANIZATION MANUFACTURING INFORMATION

TYCO ELECTRONICS BELGIUM EC BV /370654167
Organization Name and Supplier Code

SIEMENSLAAN 14
Street Address

OOSTKAMP | | 8020 | BE
City | Region | Postal Code | Country

CUSTOMER SUBMITTAL INFORMATION

Nursan Kablo Donanimlari
Customer Name/Division

n/a
Buyer/Buyer Code

FORD
Application

MATERIALS REPORTING

Has customer-required Substance of Concern information been reported ☑ Yes ☐ No ☐ n/a
Submitted by IMDS or other customer format 429571540

Are polymeric parts identified with appropriate ISO marking codes? ☑ Yes ☐ No ☐ n/a

REASON FOR SUBMISSION (Check at least one)

- ☑ Initial submission
- ☐ Engineering Change(s)
- ☐ Tooling: Transfer, Replacement, Refurbishment, or additional
- ☐ Correction of Discrepancy
- ☐ Tooling Inactive > than 1 year
- ☐ Change to Optional Construction or Material
- ☐ Sub-Supplier or Material Source Change
- ☐ Change in Part Processing
- ☐ Parts Produced at Additional Location
- ☐ 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 measurement ☑ 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 the production rate of prorietary / 8 hours I also certify that documented evidence of such compliance is on file and is available for review. I have noted any deviations from this declaration below.

EXPLANATION/COMMENTS: General Parts according to tyco customer drawings. ISIR is depending on part number and independant from used tool.

Is each Customer Tool properly tagged and numbered? ☐ Yes ☐ No ☑ n/a

Organization Authorized Signature: Vedak | Date: 26/9/2022

Print Name: Veda Kulkarni | Phone No.: +91 080 67022590 | Fax: n/a

Title: Quality Engineering | Email: vedak@te.com

FOR CUSTOMER USE ONLY (IF APPLICABLE)

PPAP Warrant Disposition : ☑ Approved ☐ Rejected ☐ Other

Customer Signature | Date: 11.11.2022

Print Name: Nadiye Barutçu | Customer Tracking Number (optional)

6 POS. FEMALE UNSEALED 0.64mm GENERATION Y

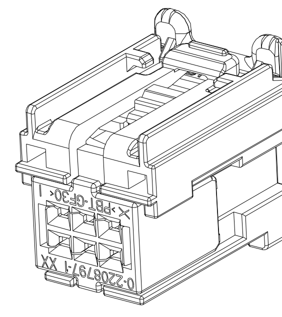
REVISIONS			
LTRS			
ORIGINATOR	CHECKER	ENGR APP	MATL APP
RELEASED AELE E 12625180 292			20150915
TE	GMUMPER	ASANKOV1	TE
A1 CORRECTED DRAFTING ERRORS AELE E 12625180 322			20160307
TE	GMUMPER	ASANKOV1	TE

APPLICABLE COMPONENTS

ITEM	DESCRIPTION	MANDATORY (YES/NO)	TERMINAL CAVITY MIN/MAX OD	PLATING/ MATERIAL	FORD COMP. PART NO.	SUPPLIER COMP. PART NO.
1	B756 0.64_MM_TYCO_BLD_F1_B756 0.64 GENERATION Y UNSEALED FEMALE TERMINAL, J-HOOK DESIGN (CAVITY 1-6)	NO	0/2.17	N/A	N/A	N/A

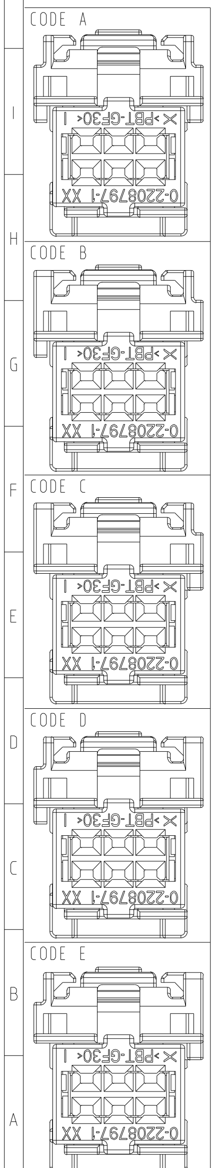
CONNECTOR ASSEMBLY CHART

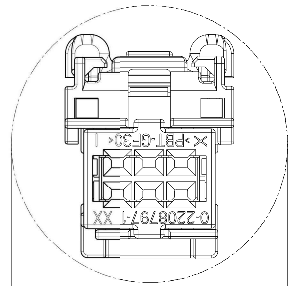
ASSEMBLY PART NO.'S					MATING COMPONENT	
FORD COMPONENT PART NO.	SUPPLIER COMPONENT PART NO.	MAX. TEMP	VIBRATION CLASS		FORD COMPONENT PART NO.	SUPPLIER COMPONENT PART NO.
HU5T-14489-EAA	9-2208798-1	100℃	V1		N/A	N/A
HU5T-14489-FAA	9-2208798-2	100℃	V1		N/A	N/A
HU5T-14489-GAA	9-2208798-4	100℃	V1		N/A	N/A
HU5T-14489-HAA	9-2208798-5	100℃	V1		N/A	N/A
HU5T-14489-JAA	1-2208798-1	100℃	V1		N/A	N/A
HU5T-14489-KAA	1-2208798-2	100℃	V1		N/A	N/A
HU5T-14489-LAA	1-2208798-3	100℃	V1		N/A	N/A
HU5T-14489-MAA	1-2208798-4	100℃	V1		N/A	N/A
HU5T-14489-NAA	0-2208798-5	100℃	V1		N/A	N/A
HU5T-14489-PAA	0-2208798-6	100℃	V1		N/A	N/A
HU5T-14489-RAA	0-2208798-3	100℃	V1		N/A	N/A

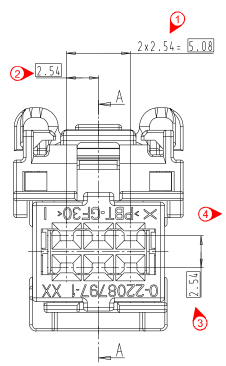


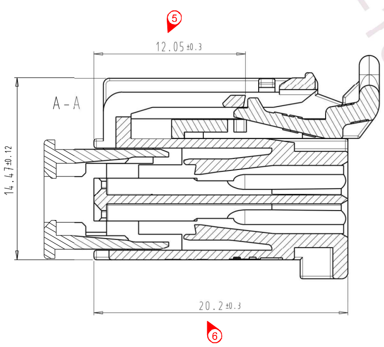
3D VIEW

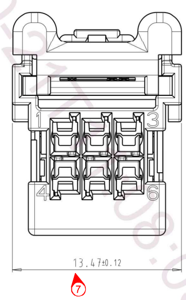
ITEM	PIA DESCRIPTION	COLOR	FORD COMPONENT PART NO.	SUPPLIER COMPONENT PART NO.	MATERIAL/ SPEC.NO.	RECYCLING CODE	WEIGHT	NO. OF ITEMS REQUIRED										
1a	6 POS. GENERATION Y SOCKET HOUSING CODE A	BLACK	NA	0-2208796-1	PA66-GF35	PA66-GF35	2.0g	1								1		
1b	6 POS. GENERATION Y SOCKET HOUSING CODE B	BLACK	NA	0-2208796-2	PA66-GF35	PA66-GF35	2.0g		1								1	
1c	6 POS. GENERATION Y SOCKET HOUSING CODE C	BLACK	NA	0-2208796-3	PA66-GF35	PA66-GF35	2.0g											1
1d	6 POS. GENERATION Y SOCKET HOUSING CODE D	BLACK	NA	0-2208796-4	PA66-GF35	PA66-GF35	2.0g			1								
1e	6 POS. GENERATION Y SOCKET HOUSING CODE E	BLACK	NA	0-2208796-5	PA66-GF35	PA66-GF35	2.0g				1							
1f	6 POS. GENERATION Y SOCKET HOUSING CODE A	GREEN	NA	1-2208796-1	PA66-GF35	PA66-GF35	2.0g					1						
1g	6 POS. GENERATION Y SOCKET HOUSING CODE B	GREY	NA	1-2208796-2	PA66-GF35	PA66-GF35	2.0g						1					
1h	6 POS. GENERATION Y SOCKET HOUSING CODE C	BROWN	NA	1-2208796-3	PA66-GF35	PA66-GF35	2.0g							1				
1j	6 POS. GENERATION Y SOCKET HOUSING CODE D	BLUE	NA	1-2208796-4	PA66-GF35	PA66-GF35	2.0g								1			
2	SPACER FOR 6 POS. FEMALE CONNECTOR	RED	NA	0-2208797-1	PBT-GF30	PBT-GF30	0.3g	1	1	1	1	1	1	1	1	1	1	1
3	CPA	RED	NA	8-1419168-4	PBT-GF20	PBT-GF20	0.3g									1	1	1





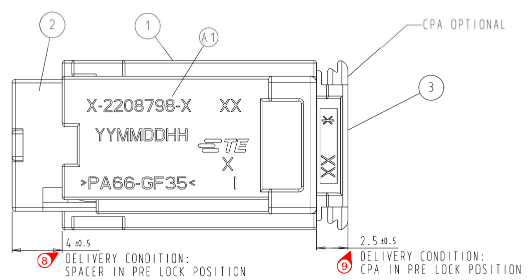




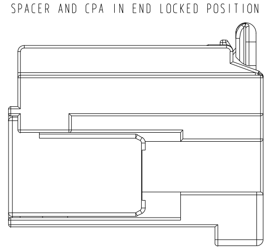


NOTES: UNLESS OTHERWISE SPECIFIED:

1. N/A (A1)
2. PARTS CONFORM TO THE USCAR-2, REV.6, dated FEB 2013
3. MAXIMUM CALCULATED MATING FORCE FULLY POPULATED WITH TERMINALS = 30 [N]
4. TERMINAL EXTRACTION TOOL TE CONNECTIVITY PN. 3-1579007-6
5. N/A
6. CONNECTOR IS RATED AS ERGONOMIC CLASS 2 BASED ON USCAR-25, REV 1. CONNECTOR PUSH SURFACE AREA IS 57mm²
7. N/A



SPACER AND CPA IN END LOCKED POSITION



TE connectivity

HU5T-14489-RAA
HU5T-14489-PAA
HU5T-14489-NAA
HU5T-14489-MAA
HU5T-14489-LAA
HU5T-14489-KAA
HU5T-14489-JAA
HU5T-14489-HAA
HU5T-14489-GAA
HU5T-14489-FAA

REFERENCE 6 POS. FEMALE UNSEALED 0.64mm GENERATION Y

PART MUST COMPLY WITH RESTRICTED SUBSTANCE MANAGEMENT STANDARD WSS-M99P9999-A1 TO SAFEGUARD HEALTH, SAFETY AND THE ENVIRONMENT

DRAFTED IN ACCORDANCE WITH FORD MOTOR COMPANY ENGINEERING CAD AND DRAFTING STANDARDS VERSION 28.1

3RD ANGLE PROJ — DIMENSIONS ARE IN MILLIMETERS

CAD TYPE	CAD LOC.	CAD FILE	DTMC
K-CATIA5	TCe	HU5T-14489-EA-DWG-01 ;2	IS MASTER
OPER. NO.	UNIT	DRAWING	
N/A	N/A	HU5T-14489-EAA	
DESIGN	DETAIL	TITLE	SHT 1 OF 2
TE	TE	SLV WIR CONN FEM	
CHECKED	SAFETY		RH/LH
TE	N/A		N/A
SCALE	DATE	DIVISION	
2:1	20150810	PLANT	

FORD MOTOR COMPANY

PRINTED COPIES ARE UNCONTROLLED

Production Part Approval - Dimensional Results

Tyco tracking number: 2021-164111_2017-21363

ORGANIZATION: ***TE Connectivity Belgium bv***	PART NUMBER: **9-2208798-5**
SUPPLIER/VENDOR CODE:	PART NAME: **2 x 3 P GEN Y female connector**
INSPECTION FACILITY: ***QS***	DESIGN RECORD CHANGE LEVEL: AELE E 12625180 322
	ENGINEERING CHANGE DOCUMENTS:

ITEM	DIMENSION/SPECIFICATION	SPECIFICATION/ LIMITS	TEST DATE	QTY TESTED	ORGANIZATION MEASUREMENT RESULTS (DATA)	OK	NOT OK
	Drawing HU5T-14489-EAA rev AELE E 12625180 322				Tool: 21-1857144		
1	2 x 2.54 = 5.08				set value		
2	2.54				set value		
3	2.54				set value		
4	14.47	±0.12	19/11/20	Cav.1	14.49	x	
				Cav.2	14.50	x	
				Cav.3	14.48	x	
				Cav.4	14.48	x	
				Cav.5	14.46	x	
				Cav.6	14.48	x	
				Cav.7	14.48	x	
				Cav.8	14.48	x	
5	12.05	±0.3	19/11/20	Cav.1	12.05	x	
				Cav.2	12.02	x	
				Cav.3	12.03	x	
				Cav.4	12.02	x	
				Cav.5	12.04	x	
				Cav.6	12.06	x	
				Cav.7	12.05	x	
				Cav.8	12.05	x	
6	20.2	±0.3	22/10/15	Cav.1	20.19...20.20	x	
				Cav.2	20.19...20.21	x	
				Cav.3	20.20...20.22	x	
				Cav.4	20.19...20.22	x	
				Cav.5	20.19...20.20	x	
				Cav.6	20.20...20.20	x	
				Cav.7	20.20...20.20	x	
				Cav.8	20.19...20.21	x	
7	13.47	±0.12	19/11/20	Cav.1	13.43	x	
				Cav.2	13.44	x	
				Cav.3	13.43	x	
				Cav.4	13.44	x	
				Cav.5	13.43	x	
				Cav.6	13.42	x	
				Cav.7	13.43	x	
				Cav.8	13.44	x	
8	4	±0.5	22/10/15	Cav.1	3.92	x	
	Delivery Condition:			Cav.2	3.95	x	
	Spacer in Pre Lock Position			Cav.3	3.95	x	
				Cav.4	3.99	x	
				Cav.5	3.92	x	
				Cav.6	3.75	x	
				Cav.7	3.93	x	
				Cav.8	3.66	x	
9	2.5	±0.5	22/10/15	Cav.1	2.21	x	
	Delivery Condition:			Cav.2	2.15	x	
	CPA in Pre Lock Position			Cav.3	2.23	x	
				Cav.4	2.17	x	

Signature Title
PPAP Administrator

Date :15/07/2021

Production Part Approval - Dimensional Results

Tyco tracking number: 2021-164111_2017-21363

ORGANIZATION: ***TE Connectivity Belgium bv***
SUPPLIER/VENDOR CODE:
INSPECTION FACILITY:
QS

PART NUMBER: **9-2208798-5**
PART NAME: **2 x 3 P GEN Y female connector**
DESIGN RECORD CHANGE LEVEL: AELE E 12625180 322
ENGINEERING CHANGE DOCUMENTS:

ITEM	DIMENSION/SPECIFICATION	SPECIFICATION/ LIMITS	TEST DATE	QTY TESTED	ORGANIZATION MEASUREMENT RESULTS (DATA)	OK	NOT OK
				Cav.5	2.23	x	
				Cav.6	2.18	x	
				Cav.7	2.53	x	
				Cav.8	2.67	x	
10	Min Ø22		22/10/15	Cav.1	ok	x	
				Cav.2	ok	x	
				Cav.3	ok	x	
				Cav.4	ok	x	
				Cav.5	ok	x	
				Cav.6	ok	x	
				Cav.7	ok	x	
				Cav.8	ok	x	

based on CFG-1003
march 2006

Signature Title
PPAP Administrator

Date :15/07/2021

Production Part Approval
Material Test Results

ORGANIZATION:

SUPPLIER/VENDOR CODE ***TYCO ELECTRONICS BELGIUM EC BVBA***

INSPECTION FACILITY

OOSTKAMP

PART NUMBER 9-2208798-5

PART NAME 6Pos Generation Y Assy

DESIGN RECORD CHANGE LEVEL: HU5T-14489-EAA

ENGINEERING CHANGE DOCUMENTS A1

ITEM	DIMENSION/SPECIFICATION	SPECIFICATION/ LIMITS	TEST DATE	QTY. TESTED	ORGANIZATION MEASUREMENT RESULT (DATA)				OK	NOT OK
	Material :									
	6Pos Generation Y Assy									
1	**6Pos, 0.64 Generation Y Rec. Housing-Black**									
	PA66-GF35				**PA66-GF35**				x	
2	**2x3Pos, Generation Y Female Sapcer, Unsealed - Red**									
	PBT GF30				**PBT GF30**				x	

Blanked statements of conformance are unacceptable for any test results

SIGNATURE	TITEL	DATE
Veda Kulkarni	Quality Engineering	26/9/2022

Inspection certificate (EN 10204-3.1)

TE Connectivity Belgium BV
Marinka Meurice
Siemenslaan 14
B-8020 OOSTKAMP
E-mail: Marinka.meurice@te.com

Company
LANXESS Performance Materials GmbH
Kennedyplatz 1
50569 KÖLN

Date: 03.08.2022

Material description

POCAN B 3235
300350
P.1000 OCTA M.BE HP W

Material

56430486

Customer order data

Your order no. of:	Ship-to party	Your product no.
2719650953 // 702350-4	3000014105 LPM c/o DSV Solutions N.V.	702350-4

Delivery data

Delivery no.	Delivered quantity	Planned delivery date	Order no.
3017371447 / 000010	3.945,000 KG	08.08.2022	3033100948 / 000010

Batch	Delivered quantity
0001213633	3.945,000 KG

The tests have been performed specific to the supplied material.

Inspection method/ Characteristic	Result	Specification	Unit
1) ISO 180/1U			
Impact strength Izod alU (23°C)	54,5	>= 35,0	kJ/m²
2) DIN 6174 color difference CIELAB			
Delta L	-0,38		
Delta a	-0,54		
Delta b	-1,08		
Delta E	1,27		
3) Calc. from ash (sim. to ISO 3451-1/A)			
Glass fibre content	29,7	27,0 - 33,0	%
4) Sim. to DIN EN ISO 1133-1			
MVR 260°C; 2,16kg	13,5	10,0 - 21,0	cm³/10

Inspection certificate (EN 10204-3.1)

Contact for inqiries regarding this Certificate of Analysis:

Mr. Michael Weber Mail: michael.weber@lanxess.com

The data presented above relate to characteristics. They do not represent any assurance or warranty. This information does not release the customer from the obligation to carry out incoming inspections of goods, either as agreed or as required under the regulations.

This information has been issued by computer and is valid without signature.

Authorized inspection representative: Dr. Dietmar Klein

We create chemistry

Certificate of Analysis

BASF SE

Please note that the certificates of analysis are also conveniently available on your BASF online portal.

Tyco Electronics Hungary
Termelő Kft.
AMP út. 2

2500 Esztergom

Magyarország

2022-09-07 Certificate No 5929

RBU Performance Materials Europe

Inspection Certificate 3.1 according to EN 10204

ULTRAMID® A3EG7 BLACK 00564
POLYAMIDE
1000KG FIBREBOARD IBC
Purchase order/Customer material
2550185700
702661-1

Material	50016238	
Order	3385979874	000060
Delivery	3196372947	000060
Lot	52535567J0	
Lot/Qty	1000.000	KG
Total	1000.000	KG

Characteristic / Method	Specification	Result	Unit
Viscosity number acc.to ISO 307 (Sulfuric acid)	130 - 160	141	ml/g
Moisture content ISO 15512	max.0,15	0,07	%
Reinforcing filler (glass / mineral) ISO 3451	33,0 - 37,0	35,2	%

The above results are means of individual test values determined on samples taken during production of the lot.
Dr.Axel Ebenau, inspection representative
If you have any further questions please send an E-mail to:
EPME-Certificates@basf.com