



Part Submission Warrant

2017-21657_1509-YV-01

Part Name 22pos. 0.64 GenY unsealed male conn. Assy Cust. Part Number EU5T-14A459-AB
Shown on Drawing Number EU5T-14A459-AB Org. Part Number 1-2208018-1
Engineering Change Level AELE E 12625180 281 Dated 16/06/2015
Additional Engineering Changes _____ Dated _____

Safety and/or Government Regulation ☐ Yes ☒ No Purchase Order No. _____ Weight (kg) 0.0092
Checking Aid Number _____ Checking Aid Engineering Change Level _____ Dated _____

ORGANIZATION MANUFACTURING INFORMATION**CUSTOMER SUBMITTAL INFORMATION**Tyco Electronics Belgium EC bvba /370 654 167Nursan

Organization Name and Supplier Code

Customer Name/Division

Siemenslaan 14

Street Address

Buyer/Buyer Code

Oostkamp 8020 BelgiumFord

City Region Postal Code Country

Application

MATERIALS REPORTING

Has customer-required Substance of Concern information been reported ☐ Yes ☒ No ☐ n/a
Submitted by IMDS or other customer format 517259871 / 4

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

REASON FOR SUBMISSION (Check at least one)

- | | |
|---|--|
| <input checked="" 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 type="checkbox"/> Tooling: Transfer, Replacement, Refurbishment, or additional | <input type="checkbox"/> Change in Part Processing |
| <input type="checkbox"/> Correction of Discrepancy | <input type="checkbox"/> Parts Produced at Additional Location |
| <input type="checkbox"/> Tooling Inactive > than 1 year | <input type="checkbox"/> Other - please specify |

REQUESTED SUBMISSION LEVEL (Check one)

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

SUBMISSION RESULTS

The results for ☒ dimensional 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 Family Moulding - Housing: 8 cavity tool / Spacer: 8 cavity tool + 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 9200/8 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

Is each Customer Tool properly tagged and numbered? ☐ Yes ☐ No

Organization Authorized Signature _____ Date 30/01/2017

Print Name Patrick Van de Voorde Phone No. 0032 50 83 2526 Fax 0032 50 83 2450

Title QE Email patrick.van.de.voorde@TE.com

FOR CUSTOMER USE ONLY (IF APPLICABLE)

PPAP Warrant Disposition : ☐ Approved ☐ Rejected ☐ Other _____

Customer Signature _____ Date _____

Print Name _____ Customer Tracking Number (optional) _____

22POS. 0.64 GENERATION Y UNSEALED MALE CONNCTOR ASSEMBLY CODING A AS SHOWN

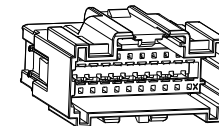
APPLICABLE COMPONENTS

ITEM	DESCRIPTION	MANDATORY (YES/NO)	TERMINAL CAVITY MIN/MAX OD	PLATING/ MATERIAL	FORD COMPONENT PART NO.	SUPPLIER COMPONENT PART NO.
1	B772 0.64MM_TYCO_BLD_M1_B772 0.64mm GENERATION Y UNSEALED MALE TERMINAL CAVITY 1-22	NO	0/2.17 C4	N/A	N/A	N/A

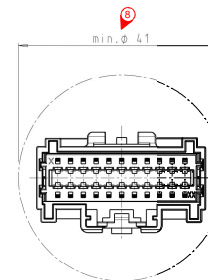
CONNECTOR ASSEMBLY CHART

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.
EUST-14A459-AB	1-2208018-1	100°C	V 1	EUST-14A489-AB	1-2208021-1
EUST-14A459-BB	1-2208018-2	100°C	V 1	EUST-14A489-BB	1-2208021-2
EUST-14A459-CB	1-2208018-3	100°C	V 1	EUST-14A489-CB	1-2208021-3
EUST-14A459-DB	1-2208018-4	100°C	V 1	EUST-14A489-DB	1-2208021-4

ITEM	PIA DESCRIPTION	COLOR	FORD COMPONENT PART NO.	SUPPLIER COMPONENT PART NO.	MATERIAL/ SPEC. NO.	RECYCLING CODE	WEIGHT	NO. OF ITEMS REQUIRED
1a	22 POS. GENERATION Y MALE HOUSING CODE A	BLACK	NA	1-2208019-1	PA66-GF35	PA66-GF35	8.4g	1
1b	22 POS. GENERATION Y MALE HOUSING CODE B	NATURAL	NA	1-2208019-2	PA66-GF35	PA66-GF35	8.4g	1
1c	22 POS. GENERATION Y MALE HOUSING CODE C	GREY	NA	1-2208019-3	PA66-GF35	PA66-GF35	8.4g	1
1d	22 POS. GENERATION Y MALE HOUSING CODE D	GREEN	NA	1-2208019-4	PA66-GF35	PA66-GF35	8.4g	1
2	SPACER FOR 22 POS. MALE CONNECTOR	RED	NA	1-2208020-1	PBT-GF30	PBT-GF30	1.35g	1



3D VIEW



C1

NOTES: UNLESS OTHERWISE SPECIFIED:

- PARTS CONFORM TO THE ELECTRICAL CONNECTION SYSTEM DESIGN SPECIFICATION (SDS) VER.22, EL-0181: PROTECTION FOR MALE CONNECTORS FROM TERMINAL BENDING
- PARTS CONFORM TO THE USCAR-2, REV. 5 PARTS CONFORM TO THE LATEST REVISION OF TE CONNECTIVITY APPLICATION SPECIFICATION NO. 114-94258
- MAXIMUM CALCULATED MATING FORCE FULLY POPULATED WITH TIN TERMINALS = 60 (N)
- TERMINAL EXTRACTION TOOL TE CONNECTIVITY PN. 2-1579028-7
- N/A
- N/A
- N/A

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REFERENCE 22 POS. MALE 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

CAD TYPE CAD LOC. CAD FILE OPER. NO. UNIT N/A N/A EUST-14A459-A-DWG-01

DESIGN TE DETAIL TE TITLE SLV WIR CONN MLE

CHECKED TE SAFETY N/A SCALE 2:1 DATE 20120309 DIVISION PLANT

EUST-14A459-AB

EUST-14A459-CB

EUST-14A459-DB

FORD MOTOR COMPANY

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Please note that the certificates of analysis are also conveniently available online and around the clock at www.worldaccount.basf.com

Fax No 003250832450

TYCO ELECTRONICS BELGIUM EC BVBA

2017-01-16

SIEMENSLAAN 14

RBU Performance Materials Europe

8020 OOSTKAMP

Certificate No 6686

België

Inspection Certificate 3.1 according to EN 10204

ULTRAMID® A3EG7 BLACK 00564
POLYAMIDE
25KG PE-BAG
Purchase Order/Customer Product#
2550096588
702661-1

Material	50036781
Order	3012990943 000010
Delivery	3097233958 000010
Lot	64685767J0
Lot/Qty	19975.000 KG
Total	19975.000 KG
Transport	CQ026PZ//

Characteristic

Method

Specification

Result

Unit

Viscosity number

acc.to EN ISO 307 (Sulfuric acid)

130 - 160

141

ml/g

Moisture content

according to DIN EN ISO 15512

max.0,15

0,03

%

Reinforcing filler (glass / mineral)

according to ISO 3451

33,0 - 37,0

35,0

%

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

The aforementioned data shall constitute the agreed contractual quality of the product at the time of passing of risk. The data are controlled at regular intervals as part of our quality assurance program. Neither these data nor the properties of product specimens shall imply any legally binding guarantee of certain properties or of fitness for a specific purpose. No liability of ours can be derived therefrom.

Inspectie Certificaat (EN 10204-3.1)

Tyco Electronics Belgium EC BVBA
 Koen Vandemeulebroeke
 Siemenslaan 14
 B-8020 OOSTKAMP

E-mail: koen.vandemeulebroeke@te.com

Bedrijf
 LANXESS Deutschland GmbH
 Kennedyplatz 1
 50569 KÖLN

Datum: 03.01.2017

Artikelomschrijving			Artikel
POCAN B 3235			56430486
300350			
P.1000 OCTA M.BE HP W			
Klant order data			
Uw order van:	Goederenontvanger	Uw produktnr.	
2496157047 //702350-4	3000014105 LXS c/o DSV Solutions N.V.	702350-4	
Leveringsgegevens			
Leveringsnr.	Gelev. hoeve	Geplande Leveringsdatum	Ordernr.
3014906017 / 000010	7.372,000 KG	05.01.2017	3031683625 / 000010
Charge		Gelev. hoeve	
0000630711		7.372,000 KG	
De toetsingen werden specifiek voor het geleverde materiaal uitgevoerd.			
Inspectiemethode/ Karakteristiek	Resultaat	Specificatie	Eenheid
1) ISO 180/1U aIU (23 °C)	60,2	>= 35,0	kJ/m²
2) DIN 6174 color difference CIELAB			
Delta L	-0,97		
Delta a	0,44		
Delta b	0,71		
Delta E	1,28		
3) Calc. from ash (sim. to ISO 3451-1/A) Glass fibre content	29,9	27,0 - 33,0	%
4) Sim. to DIN EN ISO 1133-1 MVR 260°C; 2,16kg	12,3	10,0 - 21,0	cm³/10

Inspectie Certificaat (EN 10204-3.1)

Contact for inquiries 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