



# Part Submission Warrant

Part Name WIRE CAP 32WAY CMX CONNECTOR Cust. Part Number LU5T-14N003-TA  
Shown on Drawing Number LU5T-14N003-TA Org. Part Number 34868-1010  
Engineering Change Level AELE-E-13113841-233 (B3) Dated 20180828  
Additional Engineering Changes N/A Dated N/A  
Safety and/or Government Regulation ☐ Yes ☒ No Purchase Order No. N/A Weight (kg) 0,0042  
Checking Aid Number N/A Checking Aid Eng. Change Level N/A Dated N/A

## ORGANIZATION MANUFACTURING INFORMATION

Molex Interconnect (Chengdu) Co., Ltd. DUNS: 545270444  
Supplier Name & Supplier/Vendor Code  
No. 8-18 Keixin Road, Hi-Tech Zone West Park  
Street Address  
Chengdu Sichuan 611731 P.R. China  
City Region Postal Code Country

## CUSTOMER SUBMITTAL INFORMATION

Nursan  
Customer Name/Division  
N/A  
Buyer/Buyer Code  
N/A  
Application

## MATERIALS REPORTING

Has customer-required Substances of Concern information been reported? ☒ Yes ☐ No  
Submitted by IMDS or other customer format: IMDS# 709690702  
Are polymeric parts identified with appropriate ISO marking codes? ☐ Yes ☐ No ☒ n/a

## REASON FOR SUBMISSION (Check at least one)

- |   |  |
|---|--|
| <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 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 checked="" type="checkbox"/> Other - please specify<br><u>annual layout</u> |

## 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 organization'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 mold

## 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 3.600 / 8 hours. I also certify that documented evidence of such compliance is on file and available for your review. I have noted any deviation from this declaration below.

EXPLANATION/COMMENTS: \_\_\_\_\_

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

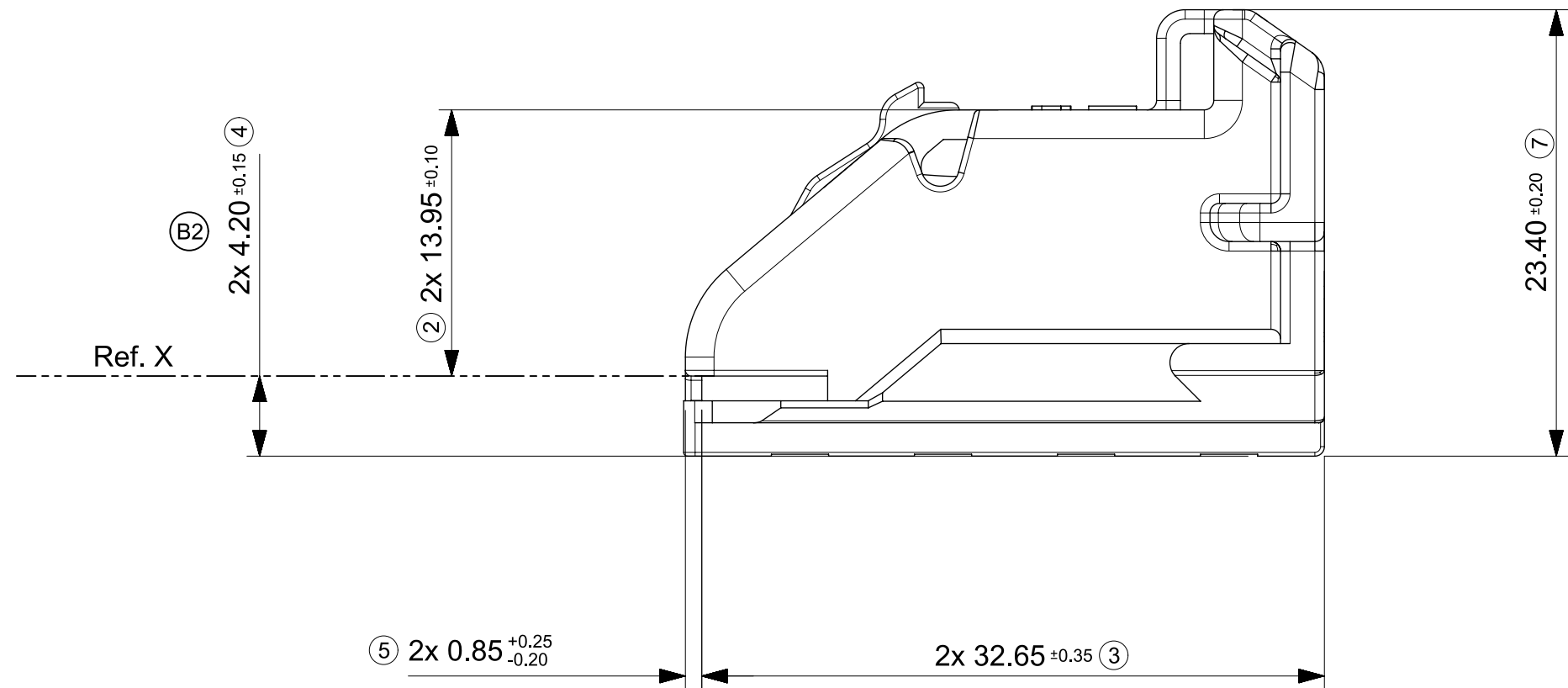
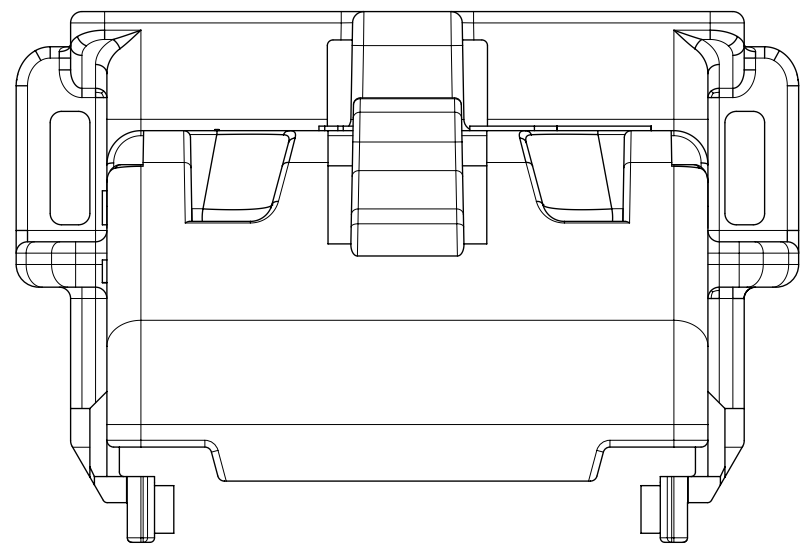
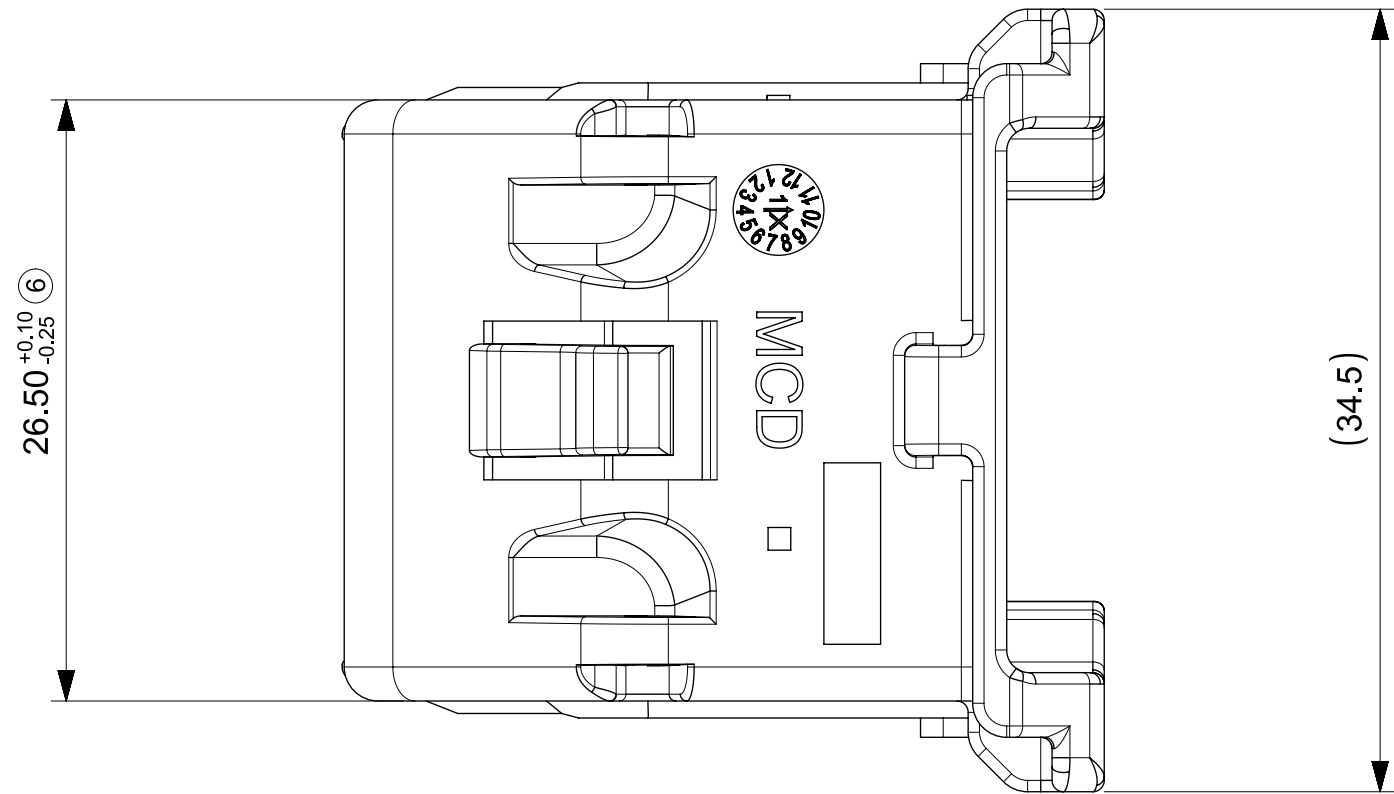
Organization Authorized Signature Kevin Maechtlinger Date 25-Jul-2019  
Print Name Kevin Maechtlinger Phone No. +49-7243-335-376 Fax No. N/A  
Title Quality Engineer E-mail kevin.maechtlinger@molex.com

## FOR CUSTOMER USE ONLY (IF APPLICABLE)

PPAP Warrant Disposition: ☐ Approved ☐ Rejected ☐ Other \_\_\_\_\_  
Customer Signature \_\_\_\_\_ Date \_\_\_\_\_  
Print Name \_\_\_\_\_ Customer Tracking Number (optional) \_\_\_\_\_

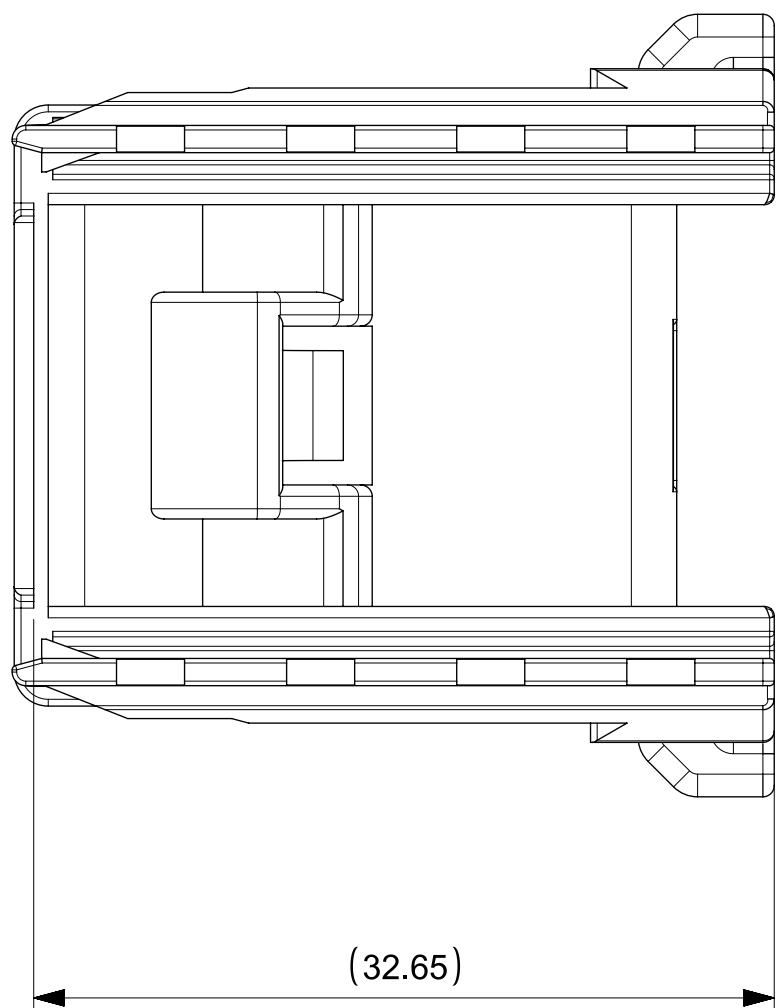
COMPONENT NON-ASSEMBLY INFORMATION CHART									
FORD COMPONENT PART NO.	SUPPLIER COMPONENT PART NO.	DESCRIPTION	COLOR	MATERIAL /SPEC. NO.	RECYCLING CODE	WEIGHT	MAX TEMP	MATING FORD COMPONENT PART NO.	MATING SUPPLIER COMPONENT PART NO.
LU5T-14N003-TA	34868-1010	CMX WIRE CAP CAP 32CKT STRAIGHT OUTPUT	BLACK	POLYAMIDE	>PA 6.6<	4.2 G	-40°C / +125°C	CU5T-14A464-XAB CU5T-14A464-YAB CU5T-14A464-ZAB CU5T-14A464-ABB CU5T-14A464-BBB CU5T-14A464-KBB	34868-1001 34868-2001 34868-1002 34868-2002 34868-1005 34868-2005

(B3)

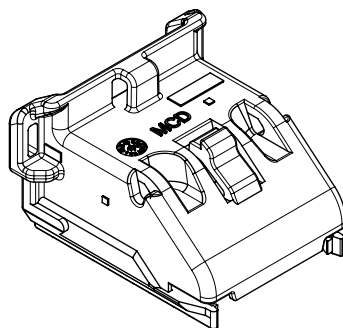


(5) 2x 0.85 (+0.25, -0.20)

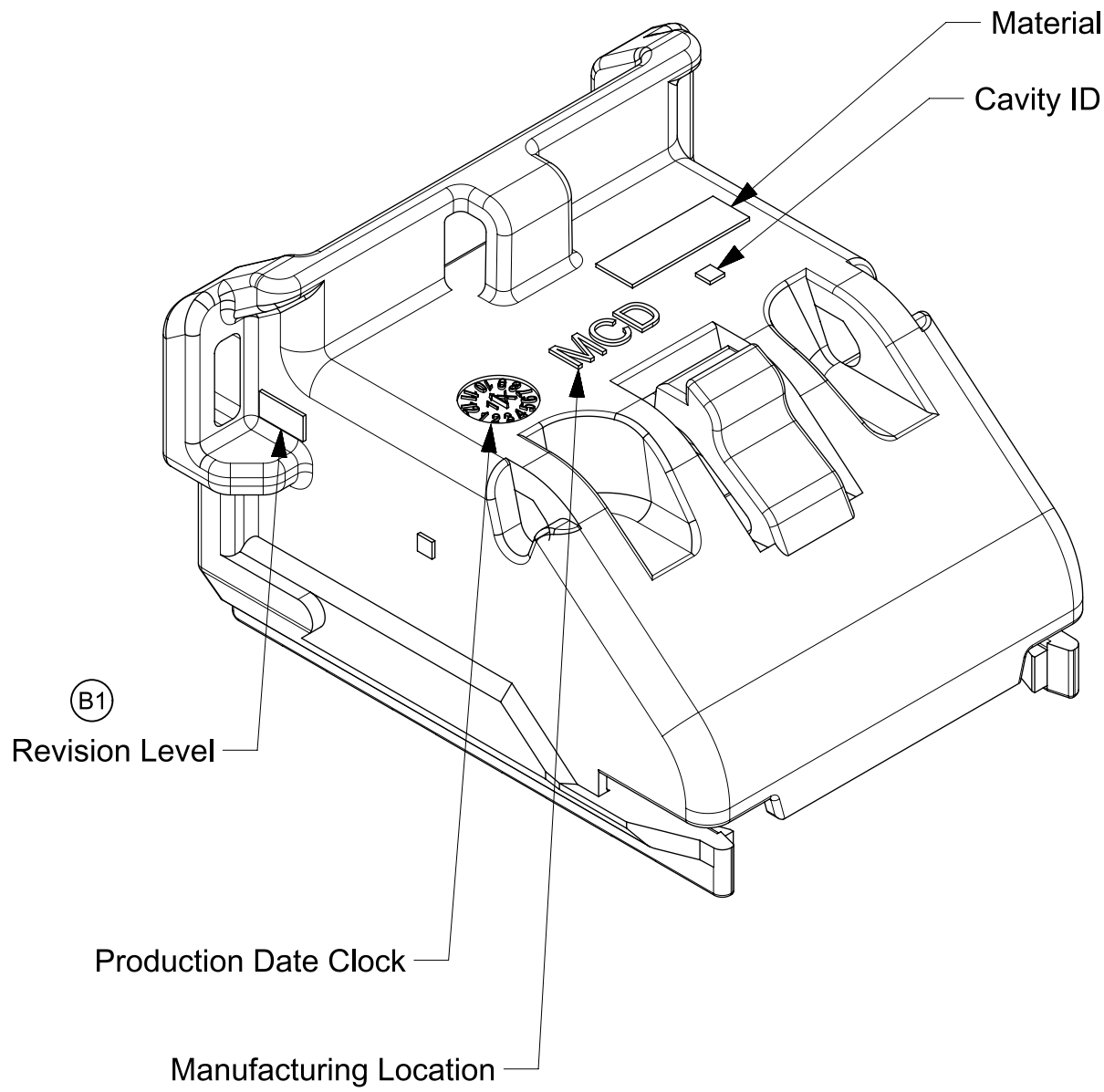
2x 32.65 (+0.35, -0.35) (3)



(32.65)




SCALE 1:1




NOTES UNLESS OTHERWISE SPECIFIED

- PART MUST CONFORM TO THE FORD CONNECTOR SYSTEM DESIGN SPECIFICATION (SDS) REV 15 DATED 17-SEP-2007
- PART MUST CONFORM TO USCAR SAE-2 REV5 DATED NOV. 2007
- ALL PLASTIC PARTS MUST HAVE MATERIAL IDENTIFICATION SYMBOLS CLEARLY MARKED, WHEREVER PACKAGE SIZE PERMITS.
- ENGINEERING APPROVAL REQUIRED FOR ALL SOURCING AND TOOLING OF THIS PART.
- FOR ENGINEERING APPROVED SOURCE SEE ENGINEERING RELEASE.
- ENGINEERING APPROVAL OF SAMPLE FROM SUPPLIER IS REQUIRED PRIOR TO AUTHORIZATION OF PART PRODUCTION.
- CHANGES IN DESIGN, COMPOSITION, OR PROCESSING OF THE PART, PREVIOUSLY APPROVED FOR PART PRODUCTION REQUIRES PRIOR ENGINEERING APPROVAL.
- GENERAL TOLERANCES:  
ALL LINEAR DIMENSIONS: +/-0.30  
ALL ANGULAR DIMENSIONS: +/-3
- 0.3 MAXIMUM RADIUS PERMISSIBLE ON EDGES AND FILLETS SHOWN AS SHARP FOR PLASTIC PARTS.
- PARTS ARE TO BE FREE OF SCRATCHES, DISCOLORATIONS, SALT RESIDUE OF OTHER IMPERFECTIONS THAT MAY AFFECT FUNCTION OR FIT OF PART.
- SOURCE IDENTIFICATION MARK & CUSTOMER PART NO. MUST BE PERMANENTLY APPLIED ON THE PART WITH 1.5mm LETTER SIZE FROM THE BOTTOM TO THE TOP OF THE CHARACTERS AND LEGIBLE WHEREVER PACKAGE SIZE PERMITS OR OTHER AGREEMENTS ARE MADE.
- PART IS SHIPPED SEPARATELY.
- 25% MAXIMUM REGRIND ALLOWED.

REFERENCE			CMX WIRE CAP 32CKT STRAIGHT OUTPUT						
PART MUST COMPLY WITH MATERIAL SPECIFICATION WSS-M99P9999-A1 TO HELP SAFEGUARD HEALTH, SAFETY AND THE ENVIRONMENT.									
DRAFTED IN ACCORDANCE WITH FAO ENGINEERING DRAFTING STANDARD CURRENT AT INITIAL RELEASE						3RD ANGLE PROJ DIMENSIONS IN MILLIMETERS			
CAD TYPE	CAD LOC.	CAD FILE			2038166000 PSD 000		<table border="1"><tr><td>DTMC</td></tr><tr><td>IS MASTER</td></tr></table>	DTMC	IS MASTER
DTMC									
IS MASTER									
OPER. NO.	UNIT	DRAWING LU5T-14N003-TA							
DESIGN OVERCHERE	DETAIL	TITLE  CVR. WIR. CONN.					SHT 1 OF 1		
CHECKED SLAFAURE	SAFETY								
SCALE 3:1	DATE 2017/04/25	DIVISION PLANT							

REVISIONS			
ORIGINATOR	CHECKER	ENGR APP	MAT L APP
INITIAL DRAWING RELEASE			
LU5T-14N003-TA			
AELE-E-13113841-121 20170425			
OVERCHERE	SLAFAURE	MSALANTA	-
B1 NEW POSITION OF REVISION LEVEL MARKING			
B2 DIM4 WAS 4.20 +/-0.05			
B3 PRODUCT WEIGHT WAS 4.3 G.			
AELE-E-13113841-233 20180828			
OVERCHERE	SLAFAURE	MSALANTA	-

DRW SIZE A1/D



MOLEX INTERCONNECT ( ChengDu ) Co. LTD.

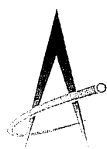
INITIAL INSPECTION REPORT

Page 1 of 1

QAF006 Rev.C

UNIT : MM

PART NO. / REV.			PART NAME		Report Number		DATE		Inspector		REVIEWED BY	
Molex 348681010 Sales Drawing: 2038166000/B1			CMX WIRE CAP 32CKT		2019-2315		7/18/2019		Peng Liufeng		Du Biao	
SPECIFICATION			ACTUAL								DISPOSITION	
Dim#	Sample No		Cav1	Cav2	/	/	/	/	/	/		
Components	Other appearance		OK	OK	/	/	/	/	/	/	1	
	1	D	4.9 + 0.20 - 0.10	5.028	5.063	/	/	/	/	/	1	
		U	4.9 + 0.20 - 0.10	5.023	5.089	/	/	/	/	/	1	
	2		13.95 + 0.10 - 0.10	14.045	14.031	/	/	/	/	/	1	
3	D	32.65 + 0.35 - 0.35	32.802	32.800	/	/	/	/	/	/	1	
	U	32.65 + 0.35 - 0.35	32.778	32.795	/	/	/	/	/	/	1	
4	LD	4.20 + 0.15 - 0.15	4.264	4.165	/	/	/	/	/	/	1	
	LU	4.20 + 0.15 - 0.15	4.217	4.258	/	/	/	/	/	/	1	
	RD	4.20 + 0.15 - 0.15	4.150	4.207	/	/	/	/	/	/	1	
	RU	4.20 + 0.15 - 0.15	4.236	4.183	/	/	/	/	/	/	1	
5	D	0.85 + 0.25 - 0.20	0.761	0.765	/	/	/	/	/	/	1	
	U	0.85 + 0.25 - 0.20	0.756	0.765	/	/	/	/	/	/	1	
6	DR	26.50 + 0.10 - 0.25	26.452	26.439	/	/	/	/	/	/	1	
	L	26.50 + 0.10 - 0.25	26.425	26.463	/	/	/	/	/	/	1	
	UR	26.50 + 0.10 - 0.25	26.422	26.428	/	/	/	/	/	/	1	
7		23.40 + 0.20 - 0.20	23.555	23.529	/	/	/	/	/	/	2	
Notes of dwg												
Note 1-13			Conforms									
<div>LEGEND</div> <div> <div>1. ACCEPTED</div> <div>2. REJECTED: TO CORRECT TOOL</div> <div>3. REJECTED: TO CHANGE SPEC.</div> </div> <div>DIMENSIONS OUT OF TOLERANCE MUST BE CIRCLED.</div>												



# ASCEND

PERFORMANCE MATERIALS

YCH LINGANG WAREHOUSE  
LINGHANG LOGISTICS PARK

Container ID: CBHU6449222

Ascend Performance Materials Operations LLC  
Nylon Plastics and Polymers  
3000 Chemstrand Road  
Cantonment, FL 32533  
Telephone: (850) 968-7000

Certificate Date: 16-NOV-18  
Delivery No: 0860094382  
Shipped Qty: 37,477.954 Lbs  
(17,000.000 Kgs)  
Customer P.O. No: 4300021992

## Certificate of Analysis

This certifies that the Nylon Resin shipped to you from Ascend Performance Materials Operations, LLC has been tested and found to meet the required specifications.

This material was produced under a Quality System that meets ISO 9001:2015 and IATF 16949:2016 criteria.

This Nylon Resin meets the relevant requirements of Directive 2011/65/EU ("RoHS 2 Directive") including all amendments through Directive 2015/863 on the restriction of the use of certain hazardous substances in electrical and electronic equipment and Directive 2012/19/EU on waste electrical and electronic equipment ("WEEE Directive").

If you have questions or concerns about this Certificate of Analysis, please contact Ascend Performance Materials Customer Operations at 1-888-927-2363.

This product meets the requirements of the following specifications: ASTM D6779 PA0121, ASTM D4066 PA0121, ASTM D4000 PA012, GMP.PA66.018, WSK-M4D648A, MSDB 41 CPN 1076, MSDB 41 CPN 1899, MSDB 41 CPN 3490, ESF-M4D82-A, CMP NY057 AA, J1639 PA0121, FMVSS 302\*, GMW 16036P-PA66.

Material Type: VYDYNE 22HSP BK      Material No: 10397771      Batch No GJ20VY08      Date of Mfg 20-OCT-2018

### Ascend Performance Materials Operations LLC Specification

<u>Lot Data</u> <u>Property</u>	<u>Test Method</u>	<u>Min</u>	<u>Max</u>	<u>Result</u>	<u>Units</u>
Relative Visc.	STM 00012	45.0	48.0	45.7	N/A
VISCOSITY NUM. SULFURIC	STM 00012	136.9	142.8	138.0	ml/g
Moisture	STM 00835	0.12	0.20	0.17	%

**Note:** This certificate is generated and controlled by electronic means. No signature is required. This document may not be reproduced, except in full, without written consent of the Nylon Plastics and Polymers Department, Ascend Performance Materials Operations LLC.

All information contained in this letter is provided for informational purposes only and is not meant to alter or waive the appropriate contractual product specifications. Moisture values are representative of the product at the time it was sampled. If numerical flame spread ratings appear herein, they are not intended to reflect the hazards presented by this or any other material under actual fire conditions. Each end user should determine whether potential fire hazards are associated with the finished product, and whether this resin is suitable for the particular end use.

Ascend and Vydine are registered trademarks of Ascend Performance Materials Operations LLC.