



Part Submission Warrant

22/181790

revL

Part Name 2.8 mm Receptacle Unsealed Cust. Part Number n/a

Shown on Drawing Number C-1326030 Org. Part Number 1326030-3

Engineering Change Level H3 Dated 19.08.2015

Additional Engineering Changes n/a Dated n/a

Safety and/or Government Regulation ☐ Yes ☒ No Purchase Order No. n/a Weight (kg) 0.5384 g

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

ORGANIZATION MANUFACTURING INFORMATION**CUSTOMER SUBMITTAL INFORMATION****TYCO ELECTRONICS CORP** / **960804086****Nursan Kablo Donanimlari**

Organization Name and Supplier Code

Customer Name/Division

233 BURGESS RD

Street Address

n/a

Buyer/Buyer Code

GREENSBOR **27409** **US**

City Region Postal Code Country

All models

Application

MATERIALS REPORTING

Has customer-required Substance of Concern information been reported
Submitted by IMDS or other customer format

☒ Yes ☐ No ☐ n/a5428595

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
Customer Request

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 RESULTSThe results for ☒ dimensional measurement ☒ material and functional tests ☐ appearance criteria ☐ statistical process packageThese results meet all design record requirements: ☒ Yes ☐ No (If "No" - Explanation Required)Mold / Cavity / Production Process Stamping**DECLARATION**

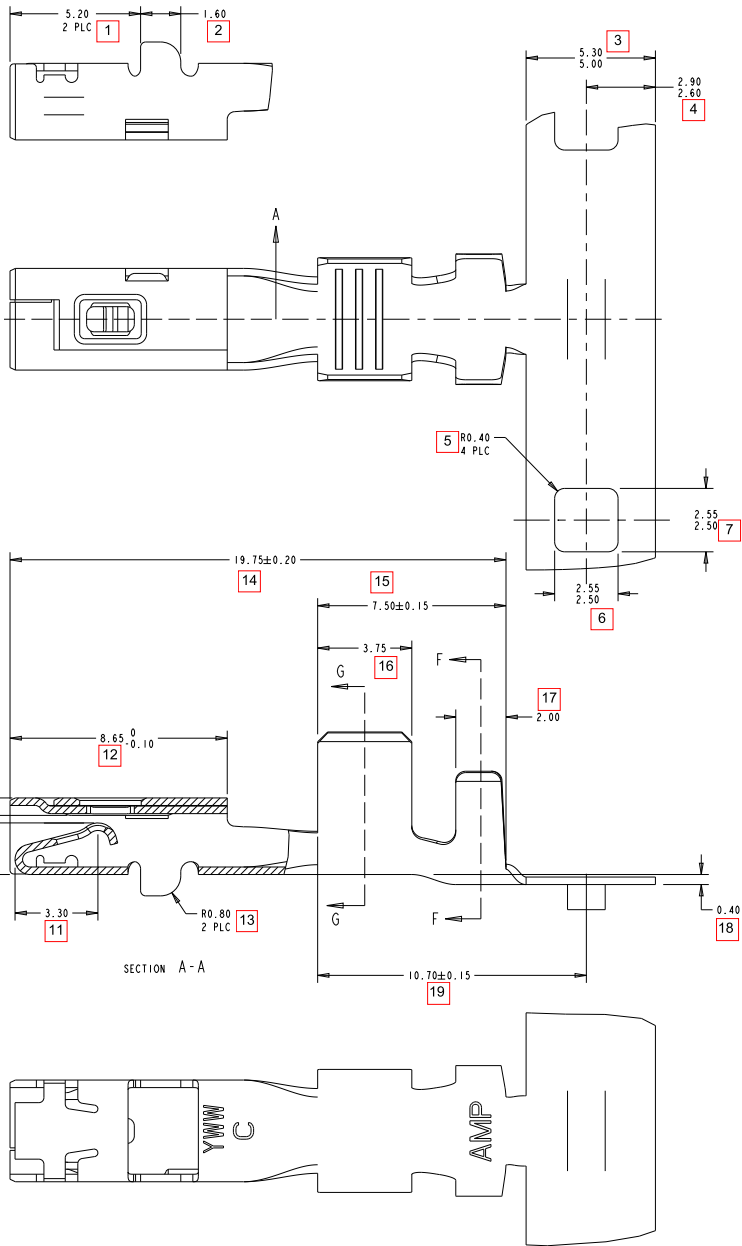
I affirm that the samples represented by this warrant are representative of our parts, which were made by a process that meets all Production Part Approval Process Manual 4th Edition Requirements. I further affirm that these samples were produced at the production rate of proprietary / 8 hours. I also 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 Reference to -PPAP no - 21/132412Is each Customer Tool properly tagged and numbered? ☐ Yes ☐ No ☒ n/aOrganization Authorized Signature Vedak Date 28.06.2022Print Name Veda Kulkarni Phone No. +91 080 67022590 Fax n/aTitle Quality Manager Email vedak@te.com**FOR CUSTOMER USE ONLY (IF APPLICABLE)**PPAP Warrant Disposition : ☐ Approved ☐ Rejected ☐ Other

Customer Signature _____ Date _____

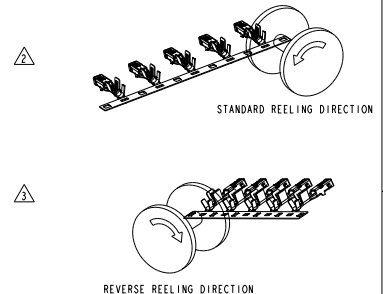
Print Name _____ Customer Tracking Number (optional) _____

DUAL CRIMP TABLE	
PART NO	WIRE SIZE
1326030-9 AND 1-1326030-1	0.35±0.35
	0.35±0.5
	0.35±0.75
	0.35±1.0
1-1326030-0 AND 1-1326030-2	0.5±0.5
	0.5±0.75
	0.5±1.0
	0.5±1.5

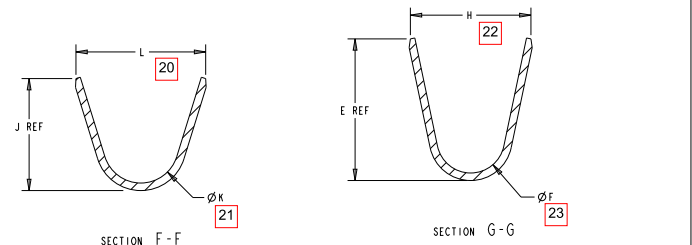


REVISIONS				
P	LV	DESCRIPTION	DATE	APPD
H2		REVISED PER ECO-11-005030	26APR2011	RK HMR
H3		REVISED PER ECO-15-012018	19AUG2015	DLD SLM

MATERIAL: 0.30 THICK COPPER ALLOY, PREPLATED WITH 0.0008 MINIMUM THICK REFLOW TIN OR BRIGHT TIN (ELV COMPLIANT).
ALTERNATE MATERIAL: 0.30 THICK COPPER ALLOY, PREPLATED WITH 0.0008 MINIMUM THICK BRIGHT TIN (ELV COMPLIANT).



5. QUALIFICATION OF THE CRIMP APPLICATION TOOLING SHALL BE CONTROLLED BY THE REQUIREMENTS ESTABLISHED UNDER USCAR 21.
6. LOOSE END SPLICING TO BE USED.



REELING	1-1326030-0 REELED FOR AMP APPLICATOR						REFERENCE DUAL CRIMP TABLE	1-1326030-2
	4.6	1.80	5.35	3.9	1.70	3.88	REFERENCE DUAL CRIMP TABLE	1-1326030-0
REELING	3.6	1.40	4.32	3.3	1.30	2.76	REFERENCE DUAL CRIMP TABLE	1326030-9
	1326030-4 REELED FOR AMP APPLICATORS						12 AWG	1326030-8
REELING	1326030-3 REELED FOR AMP APPLICATORS						14-16 AWG	1326030-7
	1326030-2 REELED FOR AMP APPLICATORS						18-20 AWG	1326030-6
REELING	1326030-1 REELED FOR AMP APPLICATORS						22 AWG	1326030-5
	5.2	3.20	4.22	4.7	2.70	5.25	12 AWG	1326030-4
REELING	3.8	1.80	3.16	3.9	1.70	3.88	14-16 AWG	1326030-3
	3.1	1.40	2.55	3.3	1.30	2.76	18-20 AWG	1326030-2
REELING	2.6	1.00	2.04	2.5	0.90	2.11	22 AWG	1326030-1
	ØK	J	H	ØF	E	WIRE SIZE	PART NUMBER	

THIS DRAWING IS A CONTROLLED DOCUMENT. **DATE** 28APR99 **BY** D. STRAUSSER **APPD** 28APR99

DIMENSIONS: mm **TOLERANCES UNLESS OTHERWISE SPECIFIED:** DIM. BROWN **APPD** 28APR99

PRODUCT SPEC: SAE/USCAR-2 8/97 **SIZE** CASE CODE **DRAWING NO** 00779 **SCALE** 10:1 **SHEET** 1 OF 1 **REV** H3

MATERIAL: **FINISH:** **REELING:** **CUSTOMER DRAWING**



Production Part Approval Dimensional Test Results

ORGANIZATION: TE Connectivity						PART NUMBER: 1326030-2/-6					
SUPPLIER/VENDOR CODE:						PART NAME: RECEPTACLE, 2.8mm, UNSEALED					
INSPECTION FACILITY: TE Connectivity - <input type="checkbox"/> inston-Salem Dimensional Inspection 3900 Reidsville Rd. <input type="checkbox"/> inston-Salem, NC 27101						DESIGN RECORD CHANGE LEVEL: L2 ENGINEERING CHANGE DOCUMENTS:					
ITEM	DIM./SPEC	SPEC. / LIMITS TOL <input type="checkbox"/> TOL -		UNITS	DATE inspec	<input type="checkbox"/> TY. inspec	ORGANIZATIONAL MEASUREMENT RESULTS (DATA)			OK	NOT OK
1a	5.20	0.10	0.10	mm	12/16/2020	3	5.22	5.23	5.23	✓	
1b	5.20	0.10	0.10	mm	12/16/2020	3	5.15	5.22	5.22	✓	
2	1.60	0.10	0.10	mm	12/16/2020	3	1.57	1.62	1.57	✓	
3	RANGE	5.30	5.00	mm	12/16/2020	3	5.13	5.12	5.12	✓	
4	RANGE	2.90	2.60	mm	12/16/2020	3	2.72	2.71	2.71	✓	
5a	0.40	0.10	0.10	mm	12/16/2020	3	0.41	0.40	0.41	✓	
5b	0.40	0.10	0.10	mm	12/16/2020	3	0.42	0.41	0.44	✓	
5c	0.40	0.10	0.10	mm	12/16/2020	3	0.41	0.41	0.41	✓	
5d	0.40	0.10	0.10	mm	12/16/2020	3	0.40	0.43	0.39	✓	
6	RANGE	2.55	2.50	mm	12/16/2020	3	2.54	2.54	2.54	✓	
7	RANGE	2.55	2.50	mm	12/16/2020	3	2.54	2.54	2.54	✓	
8	3.90	0	0.10	mm	12/16/2020	3	3.90	3.84	3.87	✓	
9	4.05	0.05	0.05	mm	12/16/2020	3	4.07	4.05	4.04	✓	
10	3.05	0.05	0.05	mm	12/16/2020	3	3.03	3.06	3.05	✓	
11	3.30	0.10	0.10	mm	12/16/2020	3	3.35	3.30	3.32	✓	
12	8.65	0	0.10	mm	12/16/2020	3	8.59	8.60	8.55	✓	
13a	0.80	0.10	0.10	mm	12/16/2020	3	0.79	0.79	0.81	✓	
13b	0.80	0.10	0.10	mm	12/16/2020	3	0.74	0.73	0.82	✓	
14	19.75	0.20	0.20	mm	12/16/2020	3	19.78	19.79	19.82	✓	
15	7.50	0.15	0.15	mm	12/16/2020	3	7.50	7.50	7.49	✓	
16	3.75	0.10	0.10	mm	12/16/2020	3	3.72	3.73	3.72	✓	
17	2.00	0.10	0.10	mm	12/16/2020	3	2.02	2.05	1.99	✓	
18	0.40	0.10	0.10	mm	12/16/2020	3	0.35	0.33	0.34	✓	
19	10.70	0.15	0.15	mm	12/16/2020	3	10.72	10.70	10.67	✓	
20	3.1	0.3	0.3	mm	12/16/2020	3	2.96	2.98	2.96	✓	
21	1.40	0.10	0.10	mm	12/16/2020	3	1.39	1.43	1.44	✓	
22	3.3	0.3	0.3	mm	12/16/2020	3	3.12	3.12	3.12	✓	
23	1.30	0.10	0.10	mm	12/16/2020	3	1.36	1.36	1.38	✓	

Blanket statement of conformance are unacceptable for any test results.

CFG-1003

<u>SIGNATURE</u> <i>Andrew Hjelt</i>	<u>TITLE</u> TE - Product Engineer	<u>DATE</u> December 18th, 2020
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ORGANIZATION:

SUPPLIER/VENDOR CODE **TE Connectivity**

INSPECTION FACILITY

Greensboro North Carolina

PART NUMBER

1326030-3

PART NAME

2.8 mm Receptacle Unsealed

DESIGN RECORD CHANGE LEVEL:

C-1326030

ENGINEERING CHANGE DOCUMENTS: H3

[illegible]

Blanked statements of conformance are unacceptable for any test results

SIGNATURE

Veda Kulkarni

TITEL

Quality Engineering

DATE

05.02.2021

CERTIFICATION REPORT



SOLD TO TYCO ELECTRONICS ATTN: ACCOUNTS PAYABLE P O BOX 68355 HARRISBURG, PA 17105		SHIP TO TE CONNECTIVITY 8000 PIEDMONT TRIAD PARKWAY GREENSBORO, NC 27409		ENTRY - BOL 74905-452816
				ALLOY 6476
PRODUCT DESCRIPTION 1.2090 .01180 TM02 CAC60 CU/NI/SI STRIP *REFLOW* TEC-100-1554 P/N 705485-1 MELT & MANUF'D USA		QUANTITY ORDERED PCS. LBS. 999003	PCS. 6 LBS. 10660 DATE 5/21/2021 TIME 8:25:55 AM	CUSTOMER ORDER NO. 7001178788 508017 GOV'T CONTRACT NO.

COIL NUMBER	743255AC	743255AB	743038AAB	743038AAA		
COMPOSITION - %						
Copper - includes Ag	96.65	96.65	96.53	96.53		
Zinc	1.04	1.04	1.09	1.09		
Lead	<.002	<.002	<.002	<.002		
Tin	.083	.083	.125	.125		
Nickel	1.73	1.73	1.74	1.74		
Silicon	.398	.398	.421	.421		
Magnesium	.014	.014	.013	.013		
PROPERTIES						
Tensile Str. (ksi)	99.8	99.8	93.0	93.0		
Yield Str. (ksi) @ .2 OFFSET	93.8	93.8	85.7	85.7		
Elongation (%) in 2 inches	8.4	8.4	8.7	8.7		
Grain Size (RTF) in mm	.010	.010	.015	.015		
Vickers	207	207	192	192		
Bend Test (L)	OK	OK	OK	OK		
Bend Test (T)	OK	OK	OK	OK		
Elec. Cond. (%) IACS	49.20	49.20	50.00	50.00		
Coating Thickness (µin)	48.0	47.0	44.0	45.0		

WE HEREBY CERTIFY that these test results were obtained from samples taken from coil(s), which were produced for the purchase order stated. These samples have been subjected to the tests called for by the customer and /or ASTM specification(s).

This product was manufactured in compliance with all applicable government and safety constraints on restricted, toxic, and hazardous materials and complies to the Restriction of Hazardous Substances RoHS 3 (EU Directive 2015/863) and the Consumer Product Safety Improvement Act of 2008. Aurubis Buffalo, Inc. product Safety Data Sheets (SDS) provides component information for all hazardous materials in conformance with the OSHA Hazard Communication Standard (29 CFR 1910.1200).

Technical Department - Lawrence Wypij

CERTIFICATION REPORT



SOLD TO TYCO ELECTRONICS ATTN: ACCOUNTS PAYABLE P O BOX 68355 HARRISBURG, PA		17105	SHIP TO TE CONNECTIVITY 8000 PIEDMONT TRIAD PARKWAY GREENSBORO,NC		27409	ENTRY - BOL 74905-452910
						ALLOY 6476
PRODUCT DESCRIPTION 1.2090 .01180 TM02 CAC60 CU/NI/SI STRIP *REFLOW* TEC-100-1554 P/N 705485-1 MELT & MANUF'D USA			QUANTITY ORDERED		CUSTOMER ORDER NO. 7001229622 508364	
			PCS. 6 LBS. 12229 DATE 5/25/2021 TIME 1:37:20 PM			
			PCS. 6 LBS. 12229 DATE 5/25/2021 TIME 1:37:20 PM		GOV'T CONTRACT NO.	

COIL NUMBER	743038AAC	743254AAB	706402	743254AAC	743256AAB	
COMPOSITION - %						
Copper - includes Ag	96.53	96.5	96.5	96.5	96.65	
Zinc	1.09	1.10	1.10	1.10	1.04	
Lead	<.002	<.002	<.002	<.002	<.002	
Tin	.125	.128	.128	.128	.083	
Nickel	1.74	1.75	1.75	1.75	1.73	
Silicon	.421	.428	.428	.428	.398	
Magnesium	.013	.015	.015	.015	.014	
PROPERTIES						
Tensile Str. (ksi)	93.0	98.6	97.8	98.6	96.0	
Yield Str. (ksi) @ .2 OFFSET	85.7	90.8	90.8	90.8	89.2	
Elongation (%) in 2 inches	8.7	9.7	8.2	9.7	8.7	
Grain Size (RTF) in mm	.015	.010	.010	.010	.010	
Vickers	192	204	204	204	191	
Bend Test (L)	OK	OK	OK	OK	OK	
Bend Test (T)	OK	OK	OK	OK	OK	
Elec. Cond. (%) IACS	50.00	43.50	47.50	43.50	49.30	
Coating Thickness (µin)	50.0	46.0	47.0	45.0	51.0	

Certification Report continues on the next page.

CERTIFICATION REPORT



SOLD TO TYCO ELECTRONICS ATTN: ACCOUNTS PAYABLE P O BOX 68355 HARRISBURG, PA 17105		SHIP TO TE CONNECTIVITY 8000 PIEDMONT TRIAD PARKWAY GREENSBORO, NC 27409		ENTRY - BOL 74905-452910
				ALLOY 6476
PRODUCT DESCRIPTION 1.2090 .01180 TM02 CAC60 CU/NI/SI STRIP *REFLOW* TEC-100-1554 P/N 705485-1 MELT & MANUF'D USA		QUANTITY ORDERED PCS. LBS. 999003	PCS. 6 LBS. 12229 DATE 5/25/2021 TIME 1:37:22 PM	CUSTOMER ORDER NO. 7001229622 508364 GOV'T CONTRACT NO.

COIL NUMBER	743256AAC	743255AD	743256AAE			
COMPOSITION - %						
Copper - includes Ag	96.65	96.65	96.65			
Zinc	1.04	1.04	1.04			
Lead	<.002	<.002	<.002			
Tin	.083	.083	.083			
Nickel	1.73	1.73	1.73			
Silicon	.398	.398	.398			
Magnesium	.014	.014	.014			
PROPERTIES						
Tensile Str. (ksi)	96.0	99.8	96.0			
Yield Str. (ksi) @ .2 OFFSET	89.2	93.8	89.2			
Elongation (%) in 2 inches	8.7	8.4	8.7			
Grain Size (RTF) in mm	.010	.010	.010			
Vickers	191	207	191			
Bend Test (L)	OK	OK	OK			
Bend Test (T)	OK	OK	OK			
Elec. Cond. (%) IACS	49.30	49.20	49.30			
Coating Thickness (µin)	48.0	48.0	47.0			

WE HEREBY CERTIFY that these test results were obtained from samples taken from coil(s), which were produced for the purchase order stated. These samples have been subjected to the tests called for by the customer and /or ASTM specification(s).

This product was manufactured in compliance with all applicable government and safety constraints on restricted, toxic, and hazardous materials and complies to the Restriction of Hazardous Substances RoHS 3 (EU Directive 2015/863) and the Consumer Product Safety Improvement Act of 2008.

Aurubis Buffalo, Inc. product Safety Data Sheets (SDS) provides component information for all hazardous materials in conformance with the OSHA Hazard Communication Standard (29 CFR 1910.1200).

Technical Department - Lawrence Wypij