

Part Name <u>TRML WIR SNP ON FEM</u>		Cust. Part Number <u>EU5T-14474-MAA</u>	
Shown on Drawing No. <u>97BG-14474-ADA</u>		Org. Part Number <u>7116-4102-06</u>	
Engineering Change Level <u>AELE-E-11784007-531</u>		Dated <u>16/08/2018</u>	
Additional Engineering Changes <u>N/A</u>		Dated <u>N/A</u>	
Safety and/or Government Regulation <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Purchase Order No. <u>N/A</u>	Weight (kg) <u>0,0003</u>	
Checking Aid No. <u>N/A</u>	Checking Aid Engineering Change Level <u>N/A</u>	Dated <u>N/A</u>	
ORGANIZATION MANUFACTURING INFORMATION		CUSTOMER SUBMITTAL INFORMATION	
YAZAKI EUROPE LTD <u>323047696</u>		NURSAN	
Organization Name & Supplier/Vendor Code		Buyer/Buyer Code	
Richard-Byrd-Strasse 4-6a			
Street Address			
Cologne	NRW	D-50829	Germany
City	Region	Postal Code	Country
		FORD	
MATERIALS REPORTING			
Has customer-required Substances of Concern information been reported?		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> n/a	
Submitted by IMDS or other customer format:		IMDS ID: 1239409539 / 1	
Are polymeric parts identified with appropriate ISO marking codes?		<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> 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"/> 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 below	
		Customer Request	
REQUESTED SUBMISSION LEVEL (Check one)			
<input type="checkbox"/> Level 1 - Warrant only (and for designated appearance items, an Appearance Approval Report) submitted to customer.			
<input checked="" type="checkbox"/> Level 2 - Warrant with product samples and limited supporting data submitted to customer.			
<input type="checkbox"/> Level 3 - Warrant with product samples and complete supporting data submitted to customer.			
<input type="checkbox"/> Level 4 - Warrant and other requirements as defined by customer.			
<input type="checkbox"/> Level 5 - Warrant with product samples and complete supporting data reviewed at organization's manufacturing location.			
SUBMISSION RESULTS			
The results for <input checked="" type="checkbox"/> dimensional measurements		<input checked="" type="checkbox"/> material and functional tests	
These results meet all drawing and specification requirements:		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> appearance criteria <input type="checkbox"/> statistical process package	
Mold / Cavity / Production Process <u>2D4103</u>		<input type="checkbox"/> NO (If "NO" - Explanation Required)	
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 201.600 / 8 hours.			
I also certify that documented evidence of such compliance is on file and available for review. I have noted any deviations from this declaration below.			
EXPLANATION/COMMENTS: _____			
Is each Customer Tool properly tagged and numbered?		<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> n/a	
Organization Authorized Signature <u>Cristina Ferreira</u>		Date <u>30 November 2023</u>	
Print Name <u>Cristina Ferreira</u>	Phone No. _____	FAX No. _____	
Title <u>QE</u>	E-mail <u>tdc@yazaki-europe.com</u>		
FOR CUSTOMER USE ONLY (IF APPLICABLE)			
PPAP Warrant Disposition: <input type="checkbox"/> Approved <input type="checkbox"/> Rejected <input type="checkbox"/> Other _____			
Customer Signature _____		Date _____	
Print Name _____	Customer Tracking No. (optional) _____		



Sample Component Inspection Report

CUSTOMER PART NO.
CUSTOMEREU5T-14474-MAA
FORDCCC PART NO.
PART NAME7116-4102-06
TRMNL WIR SNP ON
FEMSUPPLIER
DIE/MOLD NO.
NUMBER CAVITIESCircuit Controls
2D4103
Progressive DieB/P DATE
ECR/PCR
☒ PRODUCTION8-16-2018
AELE-E-11784007-531
☐ PROTOTYPE

DIM #	DRAWING DIMENSION	TOLERANCE	1	2	3	4	5
1	Mating effort	4.9N max.	4.3N	4.3N	3.4N	3.3N	4.1N
2	Part free from cracks and burrs		OK	OK	OK	OK	OK
3	Material: Silver Plated Copper Alloy		OK	OK	OK	OK	OK
4	1.50	+/-0.15	1.50	1.50	1.51	1.50	1.51
5	5.15	+/-0.15	5.13	5.13	5.12	5.12	5.13
6	2.75	+/-0.15	2.80	2.81	2.80	2.82	2.81
7	2.50	+/-0.15	2.51	2.51	2.51	2.51	2.50
8	2.50	+/-0.15	2.50	2.50	2.51	2.50	2.50
9	11.45	+/-0.10	11.41	11.40	11.42	11.42	11.42
10	3.65	+/-0.15	3.69	3.70	3.70	3.71	3.72
11	2.85	+0.05/-0.15	2.81	2.81	2.83	2.82	2.81
12	2.60	+0.05/-0.15	2.54	2.54	2.52	2.53	2.53
13	19.85	+/-0.30	19.91	19.93	19.91	19.90	19.91
14	3.75	+/-0.20	3.73	3.70	3.70	3.71	3.71
15	7.50	+/-0.30	7.39	7.40	7.41	7.40	7.42
16	1.50	+/-0.20	1.53	1.52	1.52	1.51	1.53
17	0.55	+/-0.10	0.48	0.48	0.50	0.51	0.49
18	6.15	+/-0.20	6.13	6.15	6.15	6.15	6.12
19	9.60	+/-0.30	9.63	9.64	9.61	9.63	9.63
20	5.25	+0.05/-0.15	5.23	5.23	5.24	5.25	5.25
21	4.25	+0.30/-0.00	4.29	4.30	4.31	4.30	4.29
22	Material thickness t=0.25	+/-0.01	0.25	0.25	0.25	0.25	0.25
23	1.00	+/-0.20	1.04	1.05	1.03	1.04	1.04
24	3.20	+/-0.30	3.23	3.24	3.24	3.25	3.24
25	2.30	+/-0.20	2.42	2.43	2.45	2.43	2.42
26	20°	+/-5°	21°	21°	21°	21°	21°
27	0.45R	+/-0.15	0.47R	0.47R	0.47R	0.47R	0.47R
28	4.75	+/-0.20	4.91	4.87	4.90	4.89	4.90
29	30°	+/-5°	30°	30°	30°	30°	30°
30	1.45R	+/-0.15	1.43R	1.43R	1.43R	1.43R	1.43R
31	3.20	+/-0.30	N/A	N/A	N/A	N/A	N/A
32	1.00	+/-0.20	N/A	N/A	N/A	N/A	N/A
33	Gold ID Marks		N/A	N/A	N/A	N/A	N/A
34	Gold Plating on Ribs		N/A	N/A	N/A	N/A	N/A
35	Gold Plating on Spring Contact		N/A	N/A	N/A	N/A	N/A
36	Gold Plating on Spring Lead		N/A	N/A	N/A	N/A	N/A
37	Solder Plating Area		N/A	N/A	N/A	N/A	N/A
38	Wire Grip Size ID - 1 Detent		1-OK	1-OK	1-OK	1-OK	1-OK
39	13.50	+/-0.20	13.42	13.45	13.44	13.45	13.43

Inspected By:
Q.E. Approval:Roger Gillian
Gary T. MasonDate: 3/8/23
Date: 3/24/23

[illegible]

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CERTIFICATION REPORT

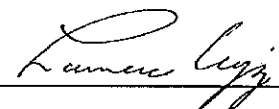


SOLD TO CIRCUIT CONTROLS CORP. 2277 M-119 HIGHWAY PETOSKEY, MI 49770		SHIP TO CIRCUIT CONTROLS CORP. 2277 M-119 HIGHWAY PETOSKEY, MI 49770		ENTRY - BOL 39848-465917
				ALLOY KLF5
PRODUCT DESCRIPTION 1.2950 .00980 H04 PHOS BRONZE KLF-5 STRIP P/N 1794-2500-3290 DATED 1/30/08		QUANTITY ORDERED PCS. LBS. 999003	PCS. 1 LBS. 2174 DATE 10/10/2023 TIME 11:46:26 AM	CUSTOMER ORDER NO. OUTO-3/PULL GOVT CONTRACT NO.

COIL NUMBER	468121AA					MIN	MAX
COMPOSITION - %							
Copper	97.63						REM
Iron	.098					.08	.12
Phosphorous	.031					.025	.040
Tin	2.02					1.8	2.2
PROPERTIES							
Tensile Str. (N/mm ²)	558					541	640
Elongation (%)	8.3					8.0	
Grain Size (RTF) in mm	.005						.020
Vickers	184					170	200
Bend Test (L)	OK						180
Bend Test (T)	OK						180
Elec. Cond. (%) IACS	38.00					30.00	40.00
RA Side-A (µm)	.14						.20
RA Side-B (µm)	.10						.20
Spring Limit (N/mm ²)	445.6					440.7	540.0
Gauge in mm	.245					.240	.260

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