

# Part Submission Warrant



Part Name <u>TERMINAL</u>		Cust. Part Number <u>1C1T-14474-AA</u>	
Shown on Drawing No. <u>97BG-14474-CDA</u>		Org. Part Number <u>7116-4143-02</u>	
Engineering Change Level <u>G / AELE-E-11784007-263</u>		Dated <u>07-11-2013</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>0,0012</u>
Checking Aid No. <u>N/A</u>	Checking Aid Engineering Change Level <u>N/A</u>	Dated <u>N/A</u>	
<b>ORGANIZATION MANUFACTURING INFORMATION</b>		<b>CUSTOMER SUBMITTAL INFORMATION</b>	
YAZAKI EUROPE LTD <u>323047696</u>		NURSAN	
Organization Name & Supplier/Vendor Code		Buyer/Buyer Code	
<u>Robert Bosch Strasse., 43</u>		<u>FORD</u>	
Street Address			
<u>Cologne</u>	<u>NRW</u>	<u>D-50769</u>	<u>Germany</u>
City	Region	Postal Code	Country
<b>MATERIALS REPORTING</b>			
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:		<b>IMDS</b>	
		<b>IMDS ID: 110016166</b>	
Are polymeric parts identified with appropriate ISO marking codes?		<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> n/a	
<b>REASON FOR SUBMISSION (Check at least one)</b>			
<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 <u>customer request</u>		
<b>REQUESTED SUBMISSION LEVEL (Check one)</b>			
<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.			
<b>SUBMISSION RESULTS</b>			
The results for <input checked="" type="checkbox"/> dimensional measurements		<input checked="" type="checkbox"/> material and functional tests	
		<input type="checkbox"/> appearance criteria <input type="checkbox"/> statistical process package	
These results meet all drawing and specification requirements:		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> NO (If "NO" - Explanation Required)	
Mold / Cavity / Production Process <u>2D/3D4140</u>			
<b>DECLARATION</b>			
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 <b>115,200 / 4</b> 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.			
<b>EXPLANATION/COMMENTS:</b>			
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>Dorinda Santos</u>		Date <u>12 October 2016</u>	
Print Name <u>Dorinda Santos</u>	Phone No. <u>+ 351 256 246 908</u>	FAX No. <u>351 256 246 892</u>	
Title <u>QE</u>	E-mail <u>dorinda.santos@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.**

**1C1T-14474-AA**

CCC PART NO.

**7116-4143-02**

## CUSTOMER

**FORD**

**PART NAME**

## TRMNL WIR SNP ON

**SUPPLIER**

## Circuit Controls

**B/P DATE**

11/7/13

DIE/MOLD NO.

**2D4140**

**ECR/PCR**

**AELE-E-11784007-263**

## NUMBER CAVITIES

## Progressive Die

☐ PRODUCTION

## □ PROTOTYPE

[illegible]**Inspected By:**

**M. Simowski**

Date: 3/08/16

**Q.E. Approval:**

**Gary T. Mason**

Date: 3/14/16

# Sample Component Inspection Report

**CUSTOMER PART NO.**

**1C1T-14474-AA**

CCC PART NO.

**7116-4143-02**

## CUSTOMER

**FORD**

**PART NAME**

## TRMNL WIR SNP ON

## FEM

**SUPPLIER**

## Circuit Controls

**B/P DATE**

**11/7/13**

DIE/MOLD NO.

# 3D4140

**ECR/PCR**

**AELE-E-11784007-263**

## NUMBER CAVITIES

## Progressive Die

## PRODUCTION

## □ PROTOTYPE

[illegible]

**Inspected By:**  
**Q.E. Approval:**

**M. Simowski**  
**Gary T. Mason**

**Date: 4/15/16**  
**Date: 5/3/16**

16C181

**CERTIFICATION REPORT**

<b>SOLD TO</b> CIRCUIT CONTROLS CORP. 2277 M-119 HIGHWAY PETOSKEY, MI 49770		<b>SHIP TO</b> CIRCUIT CONTROLS CORP. 2277 M-119 HIGHWAY PETOSKEY, MI 49770		<b>ENTRY - BOL</b> <b>61889-407580</b>
				<b>ALLOY</b> KLF5
<b>PRODUCT DESCRIPTION</b> 5.8750 .01570 H04 PHOS BRONZE KLF-5 STRIP *REFLOW* P/N 2924-4000-3520 DATED 6/06/00 (1.3858)		<b>QUANTITY ORDERED</b> PCS. LBS. 999000	PCS. 2 LBS. 3870 DATE 3/10/2016 TIME 8:52:24 AM	<b>CUSTOMER ORDER NO.</b> OUTO-3/PULL <b>GOV'T CONTRACT NO.</b>

COIL NUMBER	704853	736500AA	736500AB	704854	736628BB	
<b>COMPOSITION - %</b>						
Copper	97.61	97.57	97.57	97.61	97.57	
Iron	.096	.090	.090	.096	.110	
Phosphorous	.032	.032	.032	.032	.033	
Tin	2.08	2.10	2.10	2.08	2.08	
<b>PROPERTIES</b>						
Tensile Str. (N/mm <sup>2</sup> )	572.2	576.4	576.4	572.2	585.3	
Elongation (%)	8.3	9.8	9.8	8.3	11.1	
Grain Size (RTF) in mm	.010	.010	.010	.010	.010	
Vickers	171	174	174	171	174	
Bend Test (L)	OK	OK	OK	OK	OK	
Bend Test (T)	OK	OK	OK	OK	OK	
Elec. Cond. (%) IACS	36.2	36.4	36.4	36.2	36.1	
RA Side-A (µm)	.0	.0	.0	.0	.0	
RA Side-B (µm)	.0	.0	.0	.0	.0	
Coating Thickness (µm)	1.1	1.2	1.3	1.3	1.2	
Spring Limit (N/mm <sup>2</sup> )	481.8	508.7	508.7	481.8	479.8	
Gauge in mm	.39878	.39878	.39878	.39878	.39116	

Certification Report continues on the next page.

16C181

**CERTIFICATION REPORT**

<b>SOLD TO</b> CIRCUIT CONTROLS CORP. 2277 M-119 HIGHWAY PETOSKEY, MI 49770		<b>SHIP TO</b> CIRCUIT CONTROLS CORP. 2277 M-119 HIGHWAY PETOSKEY, MI 49770		<b>ENTRY - BOL</b> 61889-407580
				<b>ALLOY</b> KLF5
<b>PRODUCT DESCRIPTION</b> 5.8750 .01570 H04 PHOS BRONZE KLF-5 STRIP *REFLOW* P/N 2924-4000-3520 DATED 6/06/00 (1.3858)		<b>QUANTITY ORDERED</b> PCS. LBS. 999000	PCS. 2 LBS. 3870 DATE 3/10/2016 TIME 8:52:33 AM	<b>CUSTOMER ORDER NO.</b> OUTO-3/PULL <b>GOV'T CONTRACT NO.</b>

COIL NUMBER	736741BA	736501AB	736741BB	736501AA		
<b>COMPOSITION - %</b>						
Copper	97.58	97.57	97.58	97.57		
Iron	.095	.090	.095	.090		
Phosphorous	.037	.032	.037	.032		
Tin	2.15	2.10	2.15	2.10		
<b>PROPERTIES</b>						
Tensile Str. (N/mm <sup>2</sup> )	568.8	577.0	568.8	577.0		
Elongation (%)	10.8	11.6	10.8	11.6		
Grain Size (RTF) in mm	.010	.010	.010	.010		
Vickers	176	171	176	171		
Bend Test (L)	OK	OK	OK	OK		
Bend Test (T)	OK	OK	OK	OK		
Elec. Cond. (%) IACS	36.2	36.5	36.2	36.5		
RA Side-A (µm)	.0	.1	.0	.1		
RA Side-B (µm)	.0	.1	.0	.1		
Coating Thickness (µm)	1.2	1.2	1.2	1.2		
Spring Limit (N/mm <sup>2</sup> )	478.8	488.7	478.8	488.7		
Gauge in mm	.40005	.39446	.40005	.39446		

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 (RoHS2) Directive 2011/65/EU and the Consumer Product Safety Improvement Act of 2008.

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

Technical Department - Lawrence Wypij

