

Part Name <u>SLV WIR CONN FEM</u>		Cust. Part Number <u>7283-0724-30</u>
Shown on Drawing No. <u>AV6N-14489-AAA</u>		Org. Part Number <u>7283-0724-30</u>
Engineering Change Level <u>AELE-E-11784007-774</u>		Dated <u>04/08/2023</u>
Additional Engineering Changes <u>N/A</u>		Dated <u>N/A</u>
Safety and/or Government Regulation ☐ Yes ☒ No	Purchase Order No. <u>N/A</u>	Weight (kg) <u>0,0074</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		
YAZAKI EUROPE LTD <u>323047696</u>		
Organization Name & Supplier/Vendor Code		
Richard-Byrd-Strasse 4-6a		
Street Address		
Cologne	NRW	D-50829
City	Region	Postal Code
		Germany
		Country
CUSTOMER SUBMITTAL INFORMATION		
NURSAN		
Buyer/Buyer Code		
FORD		
MATERIALS REPORTING		
Has customer-required Substances of Concern information been reported? ☒ Yes ☐ No ☐ n/a		
Submitted by IMDS or other customer format: IMDS		
IMDS ID: 777835191 / 3		
Are polymeric parts identified with appropriate ISO marking codes? ☐ Yes ☐ No ☒ n/a		
REASON FOR SUBMISSION (Check at least one)		
☐ Initial submission	☐ Change to Optional Construction or Material	
☐ Engineering Change(s)	☐ Supplier or Material Source Change	
☐ Tooling: Transfer, Replacement, Refurbishment, or additional	☐ Change in Part Processing	
☐ Correction of Discrepancy	☐ Parts produced at Additional Location	
☐ Tooling Inactive > than 1 year	☒ Other - please specify below	
	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 organization's manufacturing location.		
SUBMISSION RESULTS		
The results for ☒ dimensional measurements ☒ material and functional tests ☐ appearance criteria ☐ statistical process package		
These results meet all drawing and specification requirements: ☒ Yes ☐ NO (If "NO" - Explanation Required)		
Mold / Cavity / Production Process <u>T3 / Cav 3-6 / Assembly</u>		
<u>T6 / Cav 11-18 / Assembly</u>		
<u>T8 / Cav 19-26 / Assembly</u>		
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 7.200 / 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? ☐ Yes ☐ No ☒ n/a		
Organization Authorized Signature <u>Graça Ferreira</u>		Date <u>20 May 2024</u>
Print Name <u>Graça 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: ☒ Approved ☐ Rejected ☐ Other _____		
Customer Signature <u>Nadiye BARUTÇU</u>		Date <u>20.05.2024</u>
Print Name <u>Nadiye BARUTÇU</u>	Customer Tracking No. (optional) _____	

DAIMLERCHRYSLER

PART NUMBER: **7283-0724-30**
PART NAME: **SLV WIR CONN FEM**
DESIGN RECORD CHANGE LEVEL: **AELE-E-11784007-774**
DIE / MOLD: **T3**

[illegible]

Blanket statements of conformance are unacceptable for any test results.

DATE
14/12/2023

DAIMLERCHRYSLER **Production Part Approval -
Dimensional Test Results**

GM

SUPPLIER / VENDOR CODE:

PART NAME: **SL V WIR CONN FEM**

YM

DIE / MOLD: T3

[illegible]

Blanket statements of conformance are unacceptable for any test results.

Graca Ferreira

14/12/2023

DAIMLERCHRYSLER **Production Part Approval -
Dimensional Test Results**

GM

SUPPLIER / VENDOR CODE:

PART NAME: **SL V WIR CONN FEM**

INSPECTION FACILITY:

YM

DESIGN RECORD CHANGE LEVEL: AELE-E-11784007-774

DIE / MOLD: T3

[illegible]

Blanket statements of conformance are unacceptable for any test results.

SIGNATURE

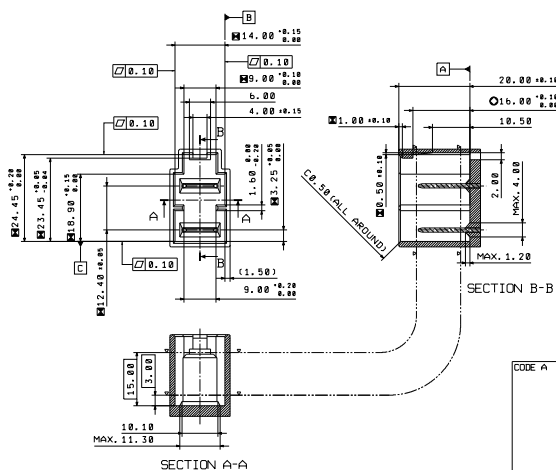
Graca Ferreira

DATE _____

14/12/2023

Figure 1: Detail of terminal. The drawing shows a cross-section of a terminal with the following dimensions and features:

- Top width: 9.50 ± 0.25
- Central opening width: 7.50
- Total height: 1.20 ± 0.25
- Top flange thickness: 0.60 ± 0.10
- Main body height: 1.45 ± 0.20
- Base thickness: 1.00 ± 0.10
- Bottom width: 0.60 ± 0.10
- Labels: "TOP CONTACT SURFACE", "TERMINAL", "AT TIP OF TERMINAL", "AT BASE OF TERMINAL"



1. UNLESS OTHERWISE SPECIFIED ALL RADI TO BE 0.50mm.
2. PRODUCT MUST BE FREE OF FLASH AND IMPERFECTIONS THAT MIGHT AFFECT FIT OR FUNCTION.
3. FINISHES SHALL BE SUFFICIENT TO PREVENT CORROSION OF ANY OTHER METAL OR NON-METAL PARTICLES, WHICH ARE RESULT OF MOLDING, STAMPING, OR ASSEMBLING PROCESS.
4. FINISHES OF COATING AND PLATING SHALL BE SUCH THAT THEY WILL NOT AFFECT FIT OR FUNCTION (ELECTRICAL, MECHANICAL, SEALING, ETC.).
5. ALL DEFINED CHARACTERISTIC HAVE TO BE ASSURED IN COMPLETE DELIVERY CHAIN.
6. RECOMMENDED MATERIAL: ALUMINUM ALLOY 6061-T6 OR EQUIVALENT.
7. RECOMMENDED HOUSING MATERIAL: PBT-GF30 OR MATERIAL THAT PROVIDES SIMILAR PROPERTIES TO THE ABOVE LISTED MATERIAL.
8. TAB MATERIAL: CU ALLOY WITH CONDUCTIVITY THAT FITS TO THE UNIT SIZE MANUFACTURER ELECTRICAL PERFORMANCE REQUIREMENTS.
9. PLATING:
 - TIN: ELECTRODEPOSITED NICKEL (Ni)
 - UNDER LAYER METAL (STRESS FREE) PREPLATING 1-2 μm
 - CONTACT AREA/ELECTRODEPOSITED TIN (Sn) PREPLATING 1-3 μm
 - Ra ± 0.35 μm
10. FOR THE CORRECT TAB MATERIAL SELECTION THE FINAL APPLICATION AND IT'S ATTACHMENT AREAS HAS (HAVE) TO BE CONSIDERED BY THE DESIGN OWNER.
11. MATING PART SHALL HAVE THE SAME PLATING.
12. DIMENSION SPECIFICATIONS FOR THE MOUNTING PART FUNCTION.
13. MANUFACTURING MUST ASSURE THAT DIMENSION IS MAINTAINED.
14. TYPE OF DIM. DIMENSION SHALL BE IDENTIFIED BY THE IDENTIFICATION.
 - DENOTES SIGNIFICANT CHARACTERISTIC THAT MUST BE INCLUDED
15. IN CONTROL PLAN, CHECK METHOD TO BE DETERMINED BY THE MANUFACTURING SOURCE (I.E. DIMENSIONING, ETC.).
16. FOR GENERAL GEOMETRICAL TOLERANCE SEE TABLE (ECCENTRICITY)
17. MAX. ALLOWED MEASURING PLANES
18. MAX. ALLOWED WARPAGE 0.1 FROM DEFINED DIMENSION FROM MEASURING PLANE.

GENERAL TOLERANCE						
MAX	50MAX	100MAX	250MAX	250OVR	ANGLE	ECCENT
±.15	±0.2	±0.3	±0.5	±0.75	±30°	±0.1
±.2	±0.3	±0.55	±0.95	±1.4	±30°	±0.1
±.3	±0.5	±0.8	±1.4	±2.0	±30°	±0.15

APPLICABLE COMPONENTS						
ITEM	DESCRIPTION	MANDATORY (YES/NO)	TERMINAL CAVITY MIN/MAX ØD	PLATING/MATERIAL	FORD COMPONENT PART NO.	YAZAKI COMPONENT PART NO.
1	G294/9.5mm TERMINAL	NO	Ø6.45x11.55	COPPER ALLOY	N/A	N/A

ITEM	PIA DESCRIPTION	COLOR/ PLATING	FORD COMPONENT PART NO.	YAZAKI COMPONENT PART NO.	MATERIAL/SPEC NO.	RECYCLING CODE	APPROX. WEIGHT	NUMBER OF ITEM REQUESTED	
1	HOUSING CODE A	BLUE	N/A	7187-0117-98	PBT-GF15-A65-M9P23-C	PBTX	b.9g	1	1
2	HOUSING CODE B	BLACK	AWN-14489-A4	7183-0724-30	PBT-GF15-A65-M9P23-C	PBTX	b.9g	1	1
3	OPA	RED	N/A	7158-b0b9-50	PBT-GF15-A65-M9P23-C	PBT-GF15	b.84g		1

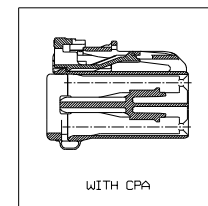
CONNECTOR ASSEMBLY CHART						
ASSEMBLY PART NO. 'S				MATING COMPONENT		
	FORD COMPONENT PART NO.	SUPPLIER COMPONENT PART NO.	MAX. TEMP.	VIBRATION CLASS	FORD COMPONENT PART NO.	SUPPLIER COMPONENT PART NO.
	DUST-14489-AFA	7187-0117-90	125° C	V1	DUST-14459-NA	7122-4129-90
	AWAN-14489-AAA	7183-0724-30	125° C	V1	X&UT-14468-B-DA JUST-14459-EA	7122-4121-30 7122-4328-30
W	KUST-14489-AAA	7287-0117-90	125° C	V1	DUST-14459-NA	7122-4129-90
	KUST-14489-AAA	7283-0724-30	125° C	V1	X&UT-14468-B-DA JUST-14459-EA	7122-4121-30 7122-4328-30



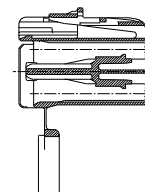
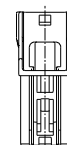
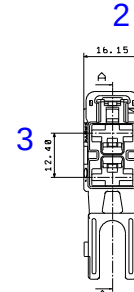
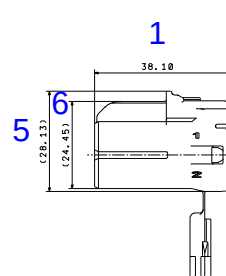
MINIMUM THROUGH
HOLE DIMENSION
(1.8 mm CLEARANCE AROUND
SCALE 1:1



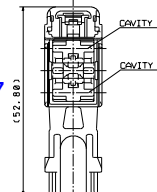
ISOMETRIC VIEW
SCALE 1:1



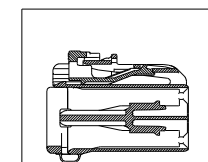
WITH CPA



SECTION A-A



REAR VIEW
(WIRE INSERTION VIEW)

CPA AND REAR COVER
IN FULL SET POSITION

1. N/A
2. N/A
3. MAXIMUM MATING FORCE FULLY POPULATED WITH TIN TERMINALS = 75 (N)
4. N/A
5. N/A
6. CONNECTOR IS RATED AS ERGONOMIC CLASS 3 BASED ON
USCAR-25 REV.1. CONNECTOR PUSH SURFACE AREA IS 341 mm².
7. N/A
8. ENGINEERING APPROVAL REQUIRED FOR ALL SOURCING AND TOOLING OF THIS PART.
9. ENGINEERING APPROVAL REQUIRED FOR ALL SOURCING AND TOOLING OF THIS PART.
10. ENGINEERING APPROVAL OF SAMPLE FROM EACH SUPPLIER IS REQUIRED prior to
11. PURCHASER OF PART PRODUCTION.
12. CHANGES IN DESIGN COMPOSITION OR PROCESSING FROM THE PART PREVIOUSLY
13. APPROVED FOR PRODUCTION REQUIRE ENGINEERING APPROVAL.
14. PARTS ARE TO BE FREE OF SCRATCHES, DISCOLORATION, ALIEN RESIDUE OR OTHER
15. IMPERFECTIONS THAT MAY AFFECT FUNCTION OR FIT OF PART.
16. DIMENSIONS IN PARENTS

GENERAL TOLERANCE							
	10MAX	50MAX	100MAX	250MAX	250OVR	ANGLE	ECCE
A	±0.15	±0.2	±0.3	±0.5	±0.75	±30	±0.
B	±0.2	±0.3	±0.55	±0.95	±1.4	±30	±0.
Ⓢ	±0.3	±0.5	±0.8	±1.4	±2	±30	±0.

R SOURCE OF INFORMATION FOR THIS DRAWING IS THE
 LATEST DATA SHEET. CHANGES ARE NOT PERMITTED WITHOUT
 APPROVAL OF THE DESIGNING OFFICE.

THE MASTER SOURCE OF INFORMATION FOR THIS DRAWING IS IN
A PE COMPUTER DATABASE. CHANGES ARE NOT PERMITTED WITHOUT
PRIOR CONSENT OF THE RELEVANT ENGINEERING CAD ACTIVITY.

LTPS		REVISIONS	
ORIGINATOR	CHECKER	ENGR APP	MATL APP
RELEASED AVAL-14489-AAA			
AELE-1-12105763-888		088924	
YADOKI	YADOKI	YADOKI	HATSENO
DESIGN TO BEST DRAWING PRACTICES			
AFTER FIRST REVISION			
A1 RELEASED MUST-14489-AAA			
A2 UPDATED CONNECTOR INTERFACE			
AELE-E-11748807-484		28170131	
YADOKI	YADOKI	YADOKI	YADOKI
B1 RELEASED MUST-14489-AAA			
AELE-E-11748807-511		28108019	
YADOKI	YADOKI	YADOKI	YADOKI
UPDATED PATH DATA TO MATCH WITH 2D DRAWING			
AELE E 11748807-774		28230884	
YADOKI	YADOKI	YADOKI	YADOKI

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REFERENCE	2P (IF) UNBLENDED 5.5 MM CONDUCTOR		
PART MUST COMPLY WITH RESTRICTED SUBSTANCE MANAGEMENT STANDARD	MS-M009-999-010 TO SAFEGUARD HEALTH, SAFETY AND THE ENVIRONMENT		
DRAFTED IN ACCORDANCE WITH FORD MOTOR	3RD ANGLE PROJECTION		
COMPANY ENGINEERING, CAD AND DRAFTING	DIMENSIONS ARE IN MILLIMETERS		
STANDARD VISION SYMBOL 3.1			
DWG TYPE	DWG LOC.	DWG FILE	DATE
C-DATASIG	Tco	AVN-14489-APA-DWG-01	15 MARCH
OPER. NO.	UNIT	DRAWING	AVN-14489-AAA
REVISION	DETAIL	TITLE	SHT 1 OF 1
W04K1	STANDARD		14/04/NA
CHECKED	SAFETY	SLV WIR CONN FEM	
UNPUBLISHED			
SCALE	DATE	DIVISION	
2:1	20081014	PLANT	N/A
FA	FORD MOTOR COMPANY		

Analyse Certificaat

Type certificaat:

Insp. certificate "3.1" EN
10204

Datum afgedrukt:

MAY/17/2023



RLC LOMMEL
GERARD MERCATORSTRAAT 90
Limburg
3920
LOMMEL
België

Verscheept van informatie:
SABIC INNOVATIVE PLASTICS B.V.
PLASTICSLAAN 1
4612 PX
BERGEN OP ZOOM
Nederland

Materiaal nummer	22087568
Materiaal beschrijving	VAC3001N-BK1066-OCE-00-00-00
Materiaal Groep	VALOX™ resin
Batch nummer	0026247051
Manufacturing Plant	Bergen op Zoom
Manufacturing Date	MAY/04/2023
Sales Order	4457883
Levering	806005086
Klant PO nummer	9462187

kenmerken	Unit	Waarde	lager Limiet	bovenste limiet	inspectie Methode
FLEXURAL MODULUS, 4.0MM	MPa	1930,0	1900,0	15000,0	ISO 178
FLEX STRENGTH @YIELD, 4.0MM	MPa	70,4	65,0	330,0	ISO 178
MVR 250°C @1.2KG	CC/10'	18,8	15,0	25,0	ISO 1133
TENSILE STRENGTH @YIELD	MPa	52,0	45,0	260,0	ISO 527-2
VICAT 120°C/HR 50N	°C	172,0	150,0	230,0	ISO 306/B120

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MAY/17/2023



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3920
LOMMEL
België

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Nederland

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*** End ***

Yamauchi Corp. NV
Diepenbekerweg 1
B-3500 HASSELT

D e c l a r a t i o n o f C o n f o r m i t y
ISO/IEC 17050-1:2004

Material : NB33-X0T-0I RED 050178
Material-no. : NB33050178
Batch No. : ITNA469850
Standard : ITMA212024

The product described above conforms to the technical specification,
valid at , for:

NB33-X0T-0I RED 050178

13.12.2023

This certificate was printed by a protected system and does not require a signature.

INSPECTION CERTIFICATE

According to EN10204 3.1

From: **DuPont Performance Solutions Belgium BV**
Antoon Spinostraat 5
B-2800 MECHELEN

To: **YAMAUCHI CORP. NV**
DIEPENBEEKERWEG 1
3500 HASSELT

Your order ref: **2143/2023/443102 - J**
Your product ref: **SK602 (CRASK602 NC010 25 KG PE BAG)**

Product: **CRASK602 NC010 25 KG PE BAG**
Identification: **EUQXJVV307**

Country of Origin: **Germany**
Shipping Point: **GENK CLEARED WHSE 8933 B9 08 Nov 2023**
DuPont Order /
Delivery Note: **2501587372 / 7900181555**

We confirm that this product is standard according to the DuPont Standard Product Criteria.

The following values result from measurements made on a representative sample for the above mentioned lot number according to the defined sampling plan.

Characteristic	Test Method	Unit	Value	Limits	
				Lower	Upper
Water Content at Packout, %	ISO 15512	%	0,030		0,100
Ash Content %	ISO 3451/1	%	14,8	13,0	17,0
Melt Viscosity, Pa.s	ISO 11443	PA SEC	208,9	160,0	260,0

Please consult our product literature or refer all inquiries to your DuPont representative at our local Sales Office.
This certificate has been produced electronically and therefore does not require a signature.

Quality Group

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