

Part Name <u>SLV ASY WIR CONN FEM</u>		Cust. Part Number <u>LU5T-14A464-BA</u>	
Shown on Drawing No. <u>LU5T-14A464-BA</u>		Org. Part Number <u>7225-9609-60</u>	
Engineering Change Level <u>AELE-E-11784007-495</u>		Dated <u>29/03/2018</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>0,0185</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 <u>Robert Bosch Strasse., 43</u> Street Address Cologne NRW D-50769 Germany City Region Postal Code Country		CUSTOMER SUBMITTAL INFORMATION <u>Nursan</u> Customer Name/Division <u>FORD</u> Buyer/Buyer Code	
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: <u>IMDS</u> <u>IMDS ID: 1008970432 / 1</u> 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"/> Engineering Change(s) <input type="checkbox"/> Tooling: Transfer, Replacement, Refurbishment, or additional <input type="checkbox"/> Correction of Discrepancy <input type="checkbox"/> Tooling Inactive > than 1 year <input type="checkbox"/> Change to Optional Construction or Material <input type="checkbox"/> Supplier or Material Source Change <input type="checkbox"/> Change in Part Processing <input type="checkbox"/> Parts produced at Additional Location <input checked="" type="checkbox"/> Other - please specify below <u>Customer request</u>			
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 <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>Y-1 / 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 747 / 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>Telmo Oliveira</u>		Date <u>17 September 2021</u>	
Print Name <u>Telmo Oliveira</u>	Phone No. <u>+351 256 095 544</u>	FAX No. _____	
Title <u>QE</u>	E-mail <u>telmo.oliveira@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) _____			

Production Part Approval Dimensional Results

Partes Aprobadas de Producción

Resultados Dimensionales

SUPPLIER/PROVEEDOR:	YCC
INSP. FACILITY/PLANTA DE INSP.:	YCC
ENG.LEVEL/NIVEL DE ING.:	B17
Nº. OF CAVITIES/No DE CAVIDAD:	2 OF 2
DRAWING/PLANO:	CUSTOMER FORD
DIE No./No. DE DADO-MOLDE:	Y-1

YCC CONTROL NUMBER:	2007-2068
CUSTOMER PART No./No. PARTE DEL CLIENTE:	LU5T-14A464-BA
YAZAKI PART No./No. PARTE YAZAKI:	7225-9609-60
PART NAME/NOMBRE DE PARTE:	SLV ASY WIR
CONN FEM	

[illegible]

Notes/Notas:

AL

Review By/ Revisado Por: C.ISLAS

Approved By /Aprobado Por: A.HERNANDEZ

PARENT ITEM : 7225-9609-60 ECN : F1:ECN INQUIRY
FUN : 2P 1.5MM SEALED SERVICE DISCON

LEVEL	SF	CHILD ITEM	T	O	DEP	LIN	QUANTITY REQUIRED	UOM	DATE EFFEC.	DATE DISC.
01		BOXCOR007	7	2	PUR	CMP	000.00074	EA	180423	000000
		CAJA 15"1/16X10"1/4 14"9/16								
01		LAB-PAP-001	7	2	PUR	CMP	000.00074	EA	180423	000000
		ETIQUETA PARA CAJA								
01		PAD-CHP-003	7	2	PUR	CMP	000.00669	EA	180423	000000
		SEPARADOR 14 X 10 IN								
01		PALW00001	7	2	PUR	CMP	000.00002	EA	180423	000000
		47X44X4X 1/2 IN SIZE B PALLET								
01		PAR-CHP-109	7	3	N00	CMP	000.00595	EA	180423	000000
		PARTICION 21 CELDAS								
01		TAP-PLA-001	7	2	PUR	CMP	000.00446	KG	180820	000000
		SHUR TAPE 2"X100 M								
01		7125-9612-60	3	3	F00	G04	001.00000	EA	180423	000000
		2P 1.5MM SEALED MALE SERVICE D								

FUN = 'BLANK' DISPLAYS ACTIVE ITEM ONLY ALL: DISPLAY ALL ITEM
ROLL CMD3: END CMD7: WHERE USED INQUIRY

PARENT ITEM : 7225-9609-60 ECN : F1:ECN INQUIRY
FUN : 2P 1.5MM SEALED SERVICE DISCON

LEVEL	SF	CHILD ITEM	T	O	DEP	LIN	QUANTITY REQUIRED	UOM	DATE EFFEC.	DATE DISC.
02		BAG-PLA-008 70X80 CM BOLSA DE PLASTICO NAT	7	2	PUR	CMP	000.00195	EA	171017	000000
02		CONPLA002 CONT PLAS NO 2 (48X38X20)CM	7	2	PUR	CMP	000.00195	EA	171017	000000
02		854100221091 PF DURANEX 515 AC EF2001 GREEN	3	3	F00	CMP	000.01061	KG	171017	000000
03		85410022 PF DURANEX 515 AC EF2001 NATUR	4	2	PUR	CMP	000.97000	KG	171023	000000
03		87091091 CPBT02804 PBT REE DLITE GREEN	4	2	PUR	CMP	000.03000	KG	171023	000000
01		7125-9613-60 2P YESC 1.5MM SEALED FEMALE	3	3	F00	F04	001.00000	EA	180423	000000
02		BAG-PLA-008 70X80 CM BOLSA DE PLASTICO NAT	7	2	PUR	CMP	000.00391	EA	180212	000000

FUN = 'BLANK' DISPLAYS ACTIVE ITEM ONLY ALL: DISPLAY ALL ITEM
ROLL CMD3: END CMD7: WHERE USED INQUIRY

PARENT ITEM : 7225-9609-60 ECN : _____ F1:ECN INQUIRY
FUN : _____ 2P 1.5MM SEALED SERVICE DISCON

LEVEL	SF	CHILD ITEM	T	O	DEP	LIN	QUANTITY REQUIRED	UOM	DATE EFFEC.	DATE DISC.
02		CON-PLA-001	7	2	PUR	CMP	000.00391	EA	180212	000000
		CON PLAS NO 1(48X38X10.4)CM								
02		854100221091	3	3	F00	CMP	000.01026	KG	180212	000000
		PF DURANEX 515 AC EF2001 GREEN								
03		85410022	4	2	PUR	CMP	000.97000	KG	171023	000000
		PF DURANEX 515 AC EF2001 NATUR								
03		87091091	4	2	PUR	CMP	000.03000	KG	171023	000000
		CPBT02804 PBT REE DLITE GREEN								
01		7125-9614-02	3	2	PUR	CMP	001.00000	EA	180423	000000
		1.5 SERV DISCONNECT SHORT TERM								
01		7137-3127-50	3	2	PUR	CMP	001.00000	EA	180423	000000
		2P YESC 1.5 SEALED FEMALE								
01		7172-1492-50	3	3	F00	G01	001.00000	EA	180423	000000
		SERVICE DISCONNECT CPA								

FUN = 'BLANK' DISPLAYS ACTIVE ITEM ONLY ALL: DISPLAY ALL ITEM
ROLL CMD3: END CMD7: WHERE USED INQUIRY

PARENT ITEM : 7225-9609-60 ECN : _____ F1:ECN INQUIRY
FUN : _____ 2P 1.5MM SEALED SERVICE DISCON

LEVEL	SF	CHILD ITEM	T	O	DEP	LIN	QUANTITY REQUIRED	UOM	DATE EFFEC.	DATE DISC.
02		BAG-PLA-008 70X80 CM BOLSA DE PLASTICO NAT	7	2	PUR	CMP	000.00188	EA	170922	000000
02		CON-PLA-001 CON PLAS NO 1(48X38X10.4)CM	7	2	PUR	CMP	000.00188	EA	170922	000000
02		854100221092 PF DURANEX 515 AC EF2001 RED	3	3	F00	CMP	000.00080	KG	171024	000000
03		85410022 PF DURANEX 515 AC EF2001 NATUR	4	2	PUR	CMP	000.97000	KG	171024	000000
03		87091092 CPBT02799 PBT REED LITE RED	4	2	PUR	CMP	000.03000	KG	171024	000000
01		7172-1493 2P YESC 1.5MM SEALED FEMALE	3	3	F00	G01	001.00000	EA	180423	000000
02		BAG-PLA-008 70X80 CM BOLSA DE PLASTICO NAT	7	2	PUR	CMP	000.00195	EA	170922	000000

FUN = 'BLANK' DISPLAYS ACTIVE ITEM ONLY ALL: DISPLAY ALL ITEM
ROLL CMD3: END CMD7: WHERE USED INQUIRY

PARENT ITEM : 7225-9609-60 ECN : F1:ECN INQUIRY
FUN : 2P 1.5MM SEALED SERVICE DISCON

LEVEL	SF	CHILD	ITEM	T	O	DEP	LIN	QUANTITY REQUIRED	UOM	DATE EFFEC.	DATE DISC.
02		CON-PLA-001		7	2	PUR	CMP	000.00195	EA	170922	000000
		CON PLAS NO 1(48X38X10.4)CM									
02		85410022		4	2	PUR	CMP	000.00106	KG	170922	000000
		PF DURANEX 515 AC EF2001 NATUR									

FUN = 'BLANK' DISPLAYS ACTIVE ITEM ONLY ALL: DISPLAY ALL ITEM
ROLL CMD3: END CMD7: WHERE USED INQUIRY

TO Yazaki North America, Inc

POLYPLASTICS CO., LTD.
JR SHINAGAWA EAST BLDG. 13
2-18-1, KONAN
MINATO-KU, TOKYO, 108-8280 JAPAN**CERTIFICATE OF ANALYSIS**WE HEREBY CERTIFY THAT THE UNDERMENTIONED LOT WAS DULY
INSPECTED AND PASSED BY OUR QUALITY CONTROL DEPARTMENT.

	POLYBUTYLENE TEREPHTHALATE
	DURANEX(R)
GRADE; COLOR NO.	515AC EF2001
LOT NO.	XJ00575
JUDGMENT	PASS

ITEM	TESTING METHOD	UNIT	<<< SPEC >>>	VALUE
MFR	ISO 1133	g/10min	8.0 -- 18.0	13.8
Ash Content	ISO 3451	%	12.5 -- 17.5	15
Tensile strength	ISO 527-1,2	MPa	>= 80.0	101
Tensile strain	ISO 527-1,2	%	>= 1.7	4.2
Color	Visual	-	Within Standard	Pass
Contamination	Visual	-	None	Pass
Appearance	Visual	-	None	Pass

2021/01/12
Approved ByQUALITY ASSURANCE DEPARTMENT
YOICHI KUROKAWA

※according to EN 10204-3.1

※This lot complies with RoHS requirements.

DURANEX(R) is a registered trademark of Polyplastics Co., Ltd. in Japan and other countries.

DELIVERY: 2/9/21

ELCOM INC
20 BUTTERFIELD TRAIL BLVD
EL PASO TX 79906-5246

C e r t i f i c a t e o f A n a l y s i s

Date: 02/01/2021
Page: 1 / 2

Your order from 01/28/2021

Order No. : K1210010221

Material No. : 87091091

Delivery no./Pos. : 52420563 / 900002

Order : 14898797

Material : REEDLITE GREEN PBT

Old Material No. : CPBT02804

Material-no. : NB6SAD

Batch No. : USPC045234

Quantity : 22.680 KG

On the batch, of which the consignment is a part, the following values were determined.

Inspection characteristic/-method	Specification	Result
COLOR - VISUAL		
CONTAMINATION - VISUAL		
COLOR - INSTRUMENTAL		1.11
MELT FLOW INDEX		44.0 g/10'
MOISTURE		0.14 %
PELLET LENGTH		0.130 IN
PELLET DIAMETER		0.090 IN
Let Down Ratio (%)		3

ELCOM INC
20 BUTTERFIELD TRAIL BLVD
EL PASO TX 79906-5246

C e r t i f i c a t e o f A n a l y s i s

Date: 02/01/2021

Page: 2 / 2

Material : REEDLITE GREEN PBT
Material No. : NB6SAD
Batch No. : USPC045234
Old Material No : CPBT02804

Inspection characteristic/-method	Specification	Result
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Florida Custom Mold Material No.: 5472

The above particulars do not release the customer from the obligation to carry out an inspection of goods received.

This report does not require a signature.

Management System Certified according to ISO 9001, ISO 14001 and OHSAS 18001

Clariant Plastics & Coatings USA Inc.
926 Elliot Road
Albion, MI, 49224

CLARIANT

ELCOM INC
20 BUTTERFIELD TRAIL BLVD
EL PASO TX 79906-5246

C e r t i f i c a t e o f A n a l y s i s

Date: 06/29/2017
Page: 1 / 2

Your order from 06/07/2017

Order No. : K1170010485
Material No. : 87091092

Our consignment from 07/05/2017

Delivery no./Pos. : 83305301 / 900001
Order : 12743835
Material : REEDLITE RED PBT
Old Material No. : CPBT02799
Material-no. : NB3SAD
Batch No. : USPC001573
Quantity : 102.000 KG

On the batch, of which the consignment is a part, the following values were determined.

Inspection characteristic/-method	Specification	Result
COLOR - VISUAL		
CONTAMINATION - VISUAL		
COLOR - INSTRUMENTAL		1.59 CIELAB
MELT FLOW INDEX		23.72
PELLET LENGTH		0.125 IN
PELLET DIAMETER		0.110 IN

The above particulars do not release the customer from the obligation to carry out an inspection of goods received.

This report does not require a signature.

Clariant Plastics & Coatings USA Inc.
926 Elliot Road
Albion, MI, 49224

CLARIANT

ELCOM INC
20 BUTTERFIELD TRAIL BLVD
EL PASO TX 79906-5246

C e r t i f i c a t e o f A n a l y s i s

Date: 06/29/2017

Page: 2 / 2

Material : REEDLITE RED PBT
Material No. : NB3SAD
Batch No. : USPC001573
Old Material No : CPBT02799

Inspection characteristic/-method	Specification	Result
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Management System Certified according to ISO 9001, ISO 14001 and OHSAS 18001

Clariant
Masterbatches Division

4425 East Elwood Street, Suite 104
Phoenix, AZ 85040, USA
Tel: (480) 517-9999
Fax: (480) 517-9594
www.clariant.masterbatches.com



Dear Valued Customer:

Recently we have received inquiries concerning the shelf life of the plastic concentrates that Clariant Masterbatches supplies to the plastic industry. Please be advised that Clariant Masterbatches does not perform shelf life testing on our products. However; to the best of our knowledge we expect that most of our concentrates will have a minimum five (5) year shelf life when stored in their original container in accordance with good warehousing practices. The shelf life of any product can be adversely affected by the conditions under which it is stored; e.g., high humidity, extreme swings in temperatures, etc.

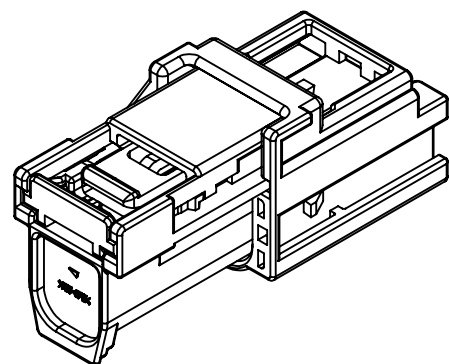
With any product line as extensive as ours, there can be products that may have a more limited shelf life; e. g., ionomer resins, antistatic concentrates, metallic concentrates, foaming agents etc. If any of these products are involved please contact us with the specific product numbers involved so we may further investigate the formulation.

If we can be of further assistance concerning this issue, please contact us at your convenience.

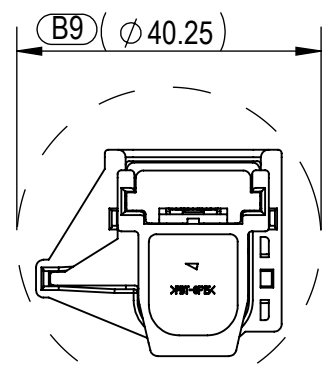
Clariant Masterbatches Division

Robert Seeley
Technical Manager – Phoenix, AZ

APPLICABLE COMPONENTS						
ITEM	DESCRIPTION	MANDATORY (YES/NO)	TERMINAL CAVITY MIN/MAX OD	PLATING / MATERIAL	FORD COMPONENT PART NO.	YAZAKI COMPONENT PART NO.
1	TRC # G285 / 1.5 SEALED FEMALE (1.2)	N	Ø / 3.95X4.7	-	N/A	N/A
2	WIRE SEAL (APPLICABLE TO ITEM 1)	N	N/A	N/A	7M5T-10C930-A*	7158-3376-50
3	WIRE SEAL (APPLICABLE TO ITEM 1)	N	N/A	N/A	7M5T-10C930-B*	7158-3374-90
4	WIRE SEAL (APPLICABLE TO ITEM 1)	N	N/A	N/A	7M5T-10C930-C*	7158-3375-80
5	CAVITY PLUG	N	N/A	N/A	7M5T-10C930-D*	7158-3037-70



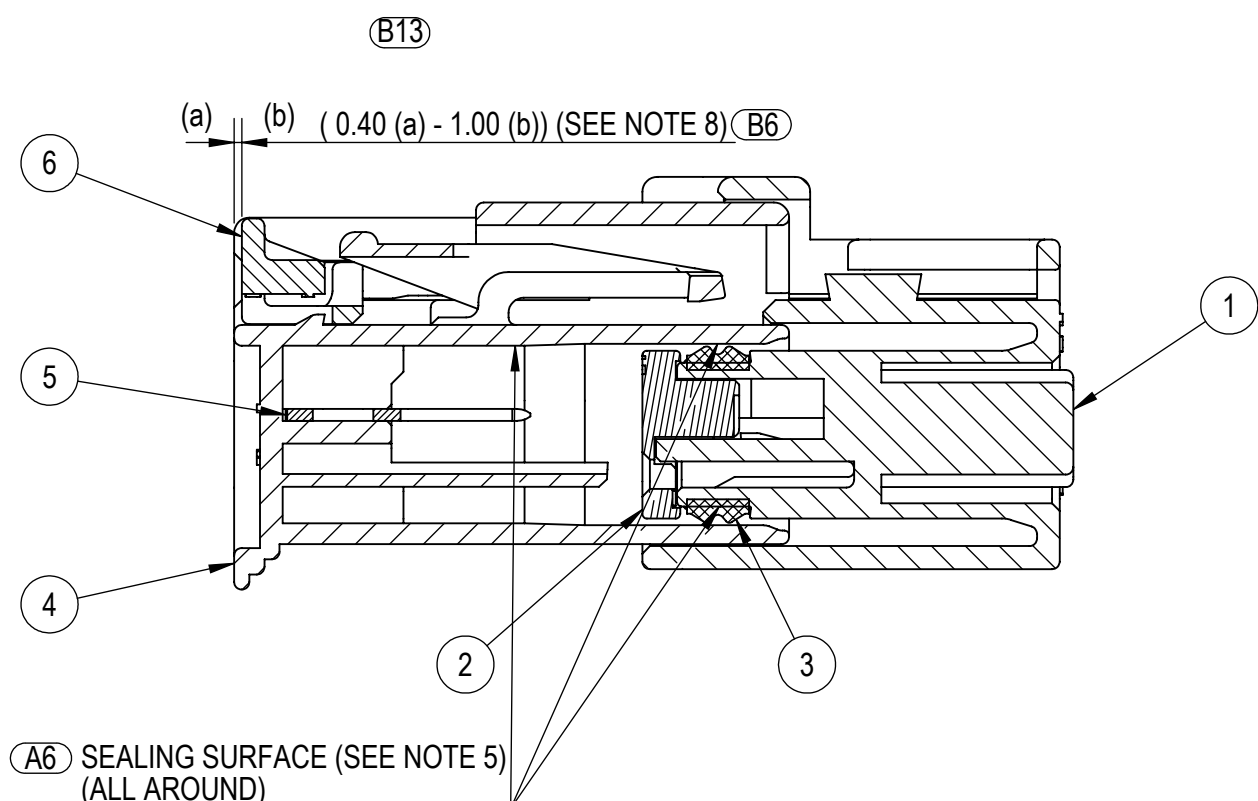
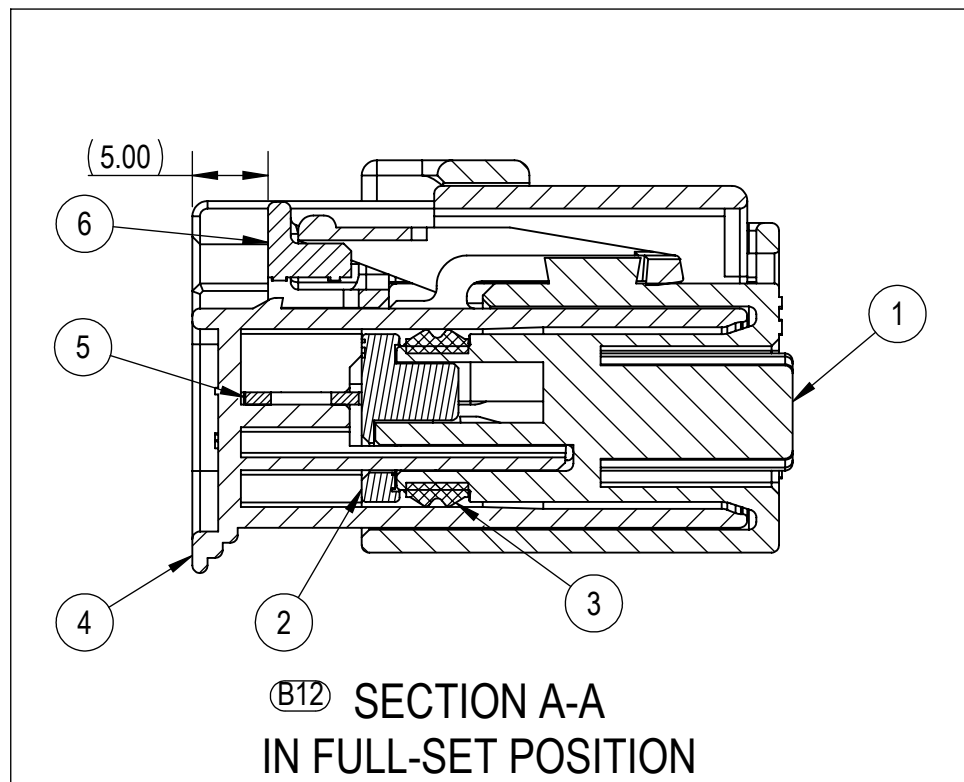
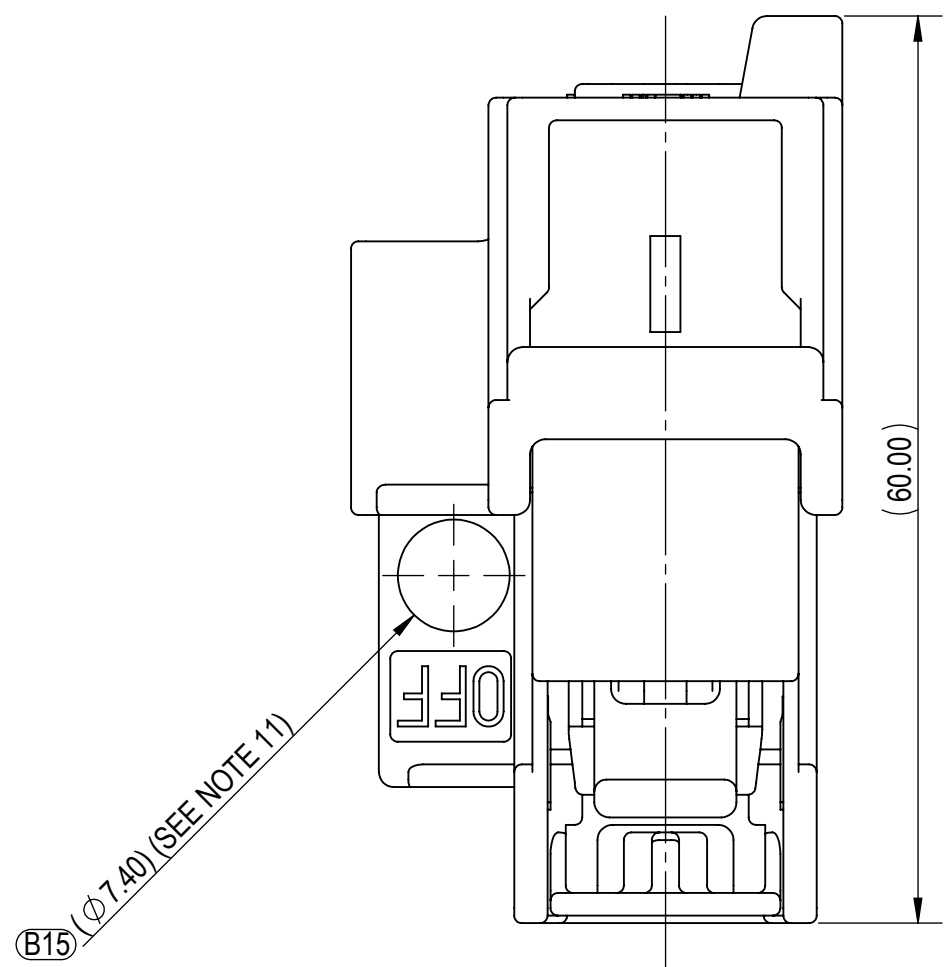
(1/1)



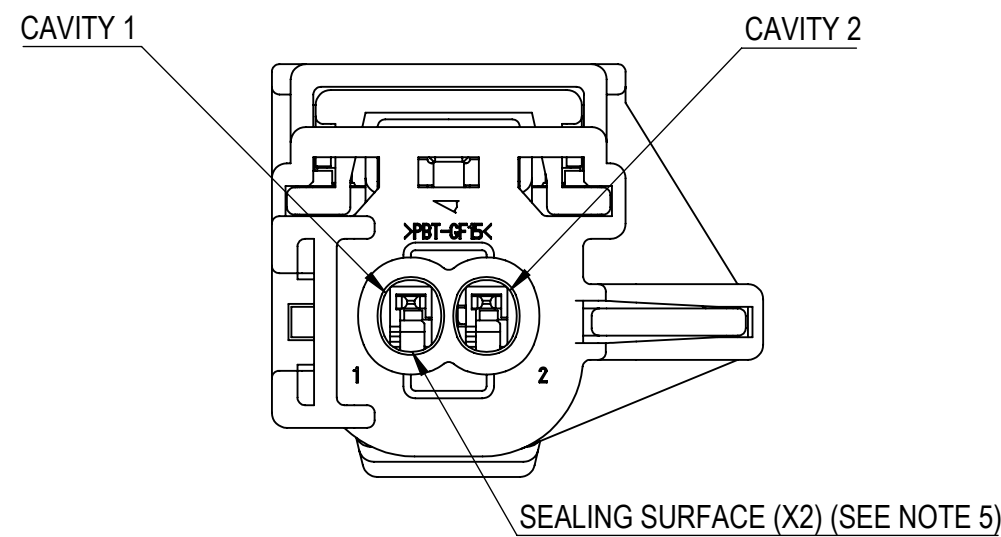
MINIMUM PASS-THROUGH HOLE DIMENSION (1/1)

CONNECTOR ASSEMBLY CHART						
ASSEMBLY PART NO.'S		(B7)	(B8)		MATING COMPONENT	
FORD COMPONENT PART NO.	YAZAKI COMPONENT PART NO.	TEMPERATURE CLASS	VIBRATION CLASS	SEALING CLASS	FORD COMPONENT PART NO.	YAZAKI COMPONENT PART NO.
LU5T-14A464-BA	7225-9609-60	T3	V2	S3	N/A	N/A

ITEM	DESCRIPTION	COLOR	FORD COMPONENT PART NO.	YAZAKI COMPONENT PART NO.	MATERIAL / SPEC. NO.	RECYCLING CODE	WEIGHT	NO. OF ITEMS REQUIRED		
1	FEMALE HOUSING	GREEN	N/A	7125-9613-60	PBT-GF15	>PBT-GF15<	(9.45)g	1		
2	FEMALE INTERFACE SEAL CAP	NATURAL	N/A	(A3) 7172-1493	PBT-GF15	>PBT-GF15<	(0.30)g	1		
3	FEMALE INTERFACE SEAL	RUST RED	N/A	7137-3127-50	SILICONE	N/A	(0.20)g	1		
4	MALE HEADER HOUSING	GREEN	N/A	7125-9612-60	PBT-GF15	>PBT-GF15<	(7.60)g	1		
5	SERVICE DISCONNECT SHORT TERMINAL	N/A	N/A	7125-9614-02	BRASS	N/A	(0.50)g	1		
6	CONNECTOR POSITION ASSURANCE	RED	N/A	7172-1492-50	PBT-GF15	>PBT-GF15<	(0.50)g	1		



SECTION A-A



REAR VIEW (WIRE INSERTION SIDE)

- (B18) NOTES:
- (B1) 1. PARTS CONFORM TO THE ELECTRICAL CONNECTION SYSTEM DESIGN SPECIFICATION (SDS) RELEASED MAY 20, 2013 WITH THE FOLLOWING EXCEPTIONS:
SDS CONNECTOR LOCK AUDIBLE CLICK= UNCONDITIONED PARTS= 0.10dB MIN.
CONDITIONED PARTS= 4.70 dB MIN.
- (B2) 2. PARTS CONFORM TO USCAR-2 REV 6, FEB 2013 FOR COMPONENT TEMPERATURE CLASS 3.
- (B3) 3. MAXIMUM MATING FORCE FULLY POPULATED WITH TIN TERMINAL =25.70N MAX.
- (B4) 4. N/A.
- (B5) 5. SEALING SURFACES AS IDENTIFIED ON THIS DRAWING ARE SMOOTH AND FREE OF PARTING LINES.
6. CONNECTOR IS RATED AS ERGONOMIC CLASS 2 BASED ON USCAR-25 REV. 3 CONNECTOR PUSH SURFACE AREA IS (150mm²).
7. MEETS CLIP SLOT SIZE ES-BU5T-14A485-AA PER USCAR EWCAP-005.
8. THIS DIMENSION SHOWS THE PRE-SET POSITION OF THE CPA.
9. PART TO COMPLY WITH YPES-31-038 REQUIREMENTS.
10. DIMENSION IS DEPENDENT ON THE SIZE OF THE LOCK-OUT DEVICE.
11. LOCK-OUT DEVICE NOT TO EXCEED 7.30mm DIAMETER.
- (B17) 12. REFERENCE HANDLING MANUAL YPES-15-1752E.

(A1)

(B1)
(B2)
(B3)
(B4)
(B5)
(B14)
(B15)

YAZAKI NORTH AMERICA, INC.

APPROVED	CHECKED	CHECKED	DRAWN
			ISABEL MUNIZ
DATE	DATE	DATE	04-16-2018

GENERAL TOLERANCE									
A	10MAX	50MAX	100MAX	250MAX	2500OVR	R5 MAX	R10 MAX	R20 MAX	R20 OVR
(B)	±0.15	±0.2	±0.3	±0.5	±0.75	±0.2	±0.3	±0.5	±2.5
(C)	±0.2	±0.3	±0.55	±0.95	±1.4	±2			
(D)	±0.3	±0.5	±0.8	±1.4	±2				



YAZAKI NORTH AMERICA 734-983-1000
6801 HAGGERTY RD. CANTON, MI 48187

ENG APP SEE APPROVAL BOX APP DATE SEE APPROVAL BOX

GSDB CODE Y230 SUPPLIER PART NUMBER 7225-9609-60

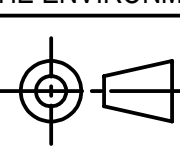
REFERENCE 2P 1.5mm SEALED SERVICE DISCONNECT ASSEMBLY

PART MUST COMPLY WITH RESTRICTED SUBSTANCE MANAGEMENT STANDARD


WSS-M99P9999-A1 TO SAFEGUARD HEALTH, SAFETY AND THE ENVIRONMENT

DRAFTED IN ACCORDANCE WITH FORD MOTOR COMPANY

ENGINEERING CAD AND DRAFTING STANDARDS VERSION 30



3RD ANGLE PROJ.
DIMENSIONS ARE
IN MILLIMETERS

CAD TYPE	CAD LOC.	CAD FILE	DTMC	
SOLIDWORKS	N/A	7225-9609-60_UF	IS MASTER	
OPER. NO.	UNIT	DRAWING	LU5T-14A464-BA	
N/A	N/A			
DESIGN T. HUYNH	DETAIL I. MUNIZ	TITLE	SHT OF	
CHECKED	SAFETY	SLV ASY WIR CONN FEM		
GERWATOWSKI	N/A			
SCALE	DATE	DIVISION	T563	
2/1	20170217	PLANT		
 FORD MOTOR COMPANY				