

Part Name <u>SLV WIR CONN FEM</u>		Cust. Part Number <u>HU5T-14489-MB</u>
Shown on Drawing No. <u>HU5T-14489-LB</u>		Org. Part Number <u>7289-5520-40</u>
Engineering Change Level <u>C11, / AELE-E11784007-571</u>		Dated <u>12/02/2019</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>0,011</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 Saltano de Ovar,PE.Ida 454241126 Organization Name & Supplier/Vendor Code Avenida D. Manuel I, Zona Industrial de Ovar Street Address Ovar 3880-109 Portugal City Region Postal Code Country		CUSTOMER SUBMITTAL INFORMATION NURSAN Customer Name/Division Buyer/Buyer Code FORD Application
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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: 541058513 / 14

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 ☐ Supplier or Material Source Change ☐ Change in Part Processing ☐ Parts produced at Additional Location ☐ Other - please specify below
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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 Y-2 4 CAV
YA-1 4 CAV
Y-1 4 CAV

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 **3788** / 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 Maine Cirqueira Date 29 September 2022
 Print Name Maine Cirqueira Phone No. - FAX No. _____
 Title QE E-mail maine.cirqueira@yazaki-europe.com

FOR CUSTOMER USE ONLY (IF APPLICABLE)		
PPAP Warrant Disposition:	☐ Approved ☐ Rejected ☐ 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.: C11
Nº. OF CAVITIES/No DE CAVIDAD: 2 OF 2
DRAWING/PLANO: CUSTOMER FORD
DIE No./No. DE DADO-MOLDE: YA-1

YCC CONTROL NUMBER: 2205-804
CUSTOMER PART No./No. PARTE DEL CLIENTE: HU5T-14489-MB
YAZAKI PART No./No. PARTE YAZAKI: 7289-5520-40
PART NAME/NOMBRE DE PARTE: SLV WIR
CONN FEM

ITEM No/ DIM. No.	SPEC / ESPECIFICACION			SUPPLIER MEASUREMENT/RESULTADOS DIMENSIONALES.								Date/ Fecha	Inspect by/ Inspec. Por	Equipo/ Equipment/	Dev./ Des.	OK	NOT OK NG
	DIMENSION	- TOL.	+ TOL.	CAV. 1	CAV. 2	PZA. 3	PZA. 4	PZA. 5									
1		19.00	0.30	0.30	18.92	18.91	18.92	18.92	18.92			05/03/22	Elvia Lozoya	SS-ACC015		*	
	C/L L	9.50			9.42	9.44	9.42	9.42	9.42			05/03/22	Elvia Lozoya	SS-ACC015			
	R				9.50	9.47	9.50	9.50	9.50			05/03/22	Elvia Lozoya	SS-ACC015			
2		17.50	0.30	0.30	17.48	17.47	17.48	17.48	17.47			05/03/22	Elvia Lozoya	SS-ACC015		*	
	C/L L	8.75			8.71	8.71	8.71	8.70	8.70			05/03/22	Elvia Lozoya	SS-ACC015			
	R				8.78	8.77	8.77	8.78	8.78			05/03/22	Elvia Lozoya	SS-ACC015			
3		10.50	0.30	0.30	10.52	10.49	10.51	10.51	10.51			05/03/22	Elvia Lozoya	SS-ACC015		*	
	C/L L	5.25			5.23	5.23	5.23	5.22	5.22			05/03/22	Elvia Lozoya	SS-ACC015			
	R				5.29	5.27	5.29	5.29	5.29			05/03/22	Elvia Lozoya	SS-ACC015			
4	2-3	3.50	0.30	0.30	3.51	3.51	3.51	3.51	3.50			05/03/22	Elvia Lozoya	SS-ACC015		*	
	C/L 2	1.75			1.73	1.73	1.73	1.73	1.72			05/03/22	Elvia Lozoya	SS-ACC015			
	3				1.79	1.78	1.79	1.79	1.79			05/03/22	Elvia Lozoya	SS-ACC015			
	7-8	3.50	0.30	0.30	3.51	3.51	3.51	3.51	3.50			05/03/22	Elvia Lozoya	SS-ACC015		*	
	C/L 7	1.75			1.73	1.73	1.73	1.73	1.72			05/03/22	Elvia Lozoya	SS-ACC015			
	8				1.79	1.78	1.79	1.79	1.79			05/03/22	Elvia Lozoya	SS-ACC015			
5	5	1.70	0.15	0.15	1.71	1.70	1.71	1.71	1.71			05/03/22	Elvia Lozoya	SS-ACC015		*	
	6				1.74	1.75	1.74	1.75	1.74			05/03/22	Elvia Lozoya	SS-ACC015		*	
	7				1.73	1.74	1.75	1.75	1.75			05/03/22	Elvia Lozoya	SS-ACC015		*	
	8				1.75	1.74	1.75	1.72	1.75			05/03/22	Elvia Lozoya	SS-ACC015		*	
	9				1.72	1.74	1.74	1.74	1.73			05/03/22	Elvia Lozoya	SS-ACC015		*	
	10				1.69	1.69	1.70	1.69	1.69			05/03/22	Elvia Lozoya	SS-ACC015		*	
6	1	8.20	0.15	0.15	8.18	8.18	8.18	8.19	8.19			05/03/22	Elvia Lozoya	SS-ACC015		*	
	2				8.15	8.15	8.15	8.15	8.15			05/03/22	Elvia Lozoya	SS-ACC015		*	
	3				8.17	8.17	8.17	8.17	8.17			05/03/22	Elvia Lozoya	SS-ACC015		*	
	4				8.16	8.17	8.17	8.17	8.17			05/03/22	Elvia Lozoya	SS-ACC015		*	
7	L	25.85	0.20	0.20	25.76	25.77	25.76	25.75	25.75			05/03/22	Elvia Lozoya	SS-ACC015		*	
	R				25.76	25.76	25.76	25.76	25.77			05/03/22	Elvia Lozoya	SS-ACC015		*	
8	22	10.825	0.15	0.15	10.825	10.825	10.825	10.825	10.825			05/03/22	Elvia Lozoya	SS-ACC015		*	
	23				10.825	10.825	10.825	10.825	10.825			05/03/22	Elvia Lozoya	SS-ACC015		*	
	24				10.825	10.825	10.825	10.825	10.825			05/03/22	Elvia Lozoya	SS-ACC015		*	
	25				10.825	10.825	10.825	10.825	10.825			05/03/22	Elvia Lozoya	SS-ACC015		*	
	26				10.825	10.825	10.825	10.825	10.825			05/03/22	Elvia Lozoya	SS-ACC015		*	
	27				10.825	10.825	10.825	10.825	10.825			05/03/22	Elvia Lozoya	SS-ACC015		*	
	28				10.825	10.825	10.825	10.825	10.825			05/03/22	Elvia Lozoya	SS-ACC015		*	
	29				10.825	10.825	10.825	10.825	10.825			05/03/22	Elvia Lozoya	SS-ACC015		*	
	30				10.825	10.825	10.825	10.825	10.825			05/03/22	Elvia Lozoya	SS-ACC015		*	
	31				10.825	10.825	10.825	10.825	10.825			05/03/22	Elvia Lozoya	SS-ACC015		*	
	32				10.825	10.825	10.825	10.825	10.825			05/03/22	Elvia Lozoya	SS-ACC015		*	
9	11	6.325	0.15	0.15	6.325	6.325	6.325	6.325	6.325			05/03/22	Elvia Lozoya	SS-ACC015		*	
	12				6.325	6.325	6.325	6.325	6.325			05/03/22	Elvia Lozoya	SS-ACC015		*	
	13				6.325	6.325	6.325	6.325	6.325			05/03/22	Elvia Lozoya	SS-ACC015		*	
	14				6.325	6.325	6.325	6.325	6.325			05/03/22	Elvia Lozoya	SS-ACC015		*	
	15				6.325	6.325	6.325	6.325	6.325			05/03/22	Elvia Lozoya	SS-ACC015		*	
	16				6.325	6.325	6.325	6.325	6.325			05/03/22	Elvia Lozoya	SS-ACC015		*	
	17				6.325	6.325	6.325	6.325	6.325			05/03/22	Elvia Lozoya	SS-ACC015		*	
	18				6.325	6.325	6.325	6.325	6.325			05/03/22	Elvia Lozoya	SS-ACC015		*	
	19				6.325	6.325	6.325	6.325	6.325			05/03/22	Elvia Lozoya	SS-ACC015		*	
	20				6.325	6.325	6.325	6.325	6.325			05/03/22	Elvia Lozoya	SS-ACC015		*	
	21				6.325	6.325	6.325	6.325	6.325			05/03/22	Elvia Lozoya	SS-ACC015		*	
10	14-18	8.80	0.30	0.30	8.78	8.77	8.78	8.76	8.78			05/03/22	Elvia Lozoya	SS-ACC015		*	

SUPPLIER/PROVEEDOR:	YCC
INSP. FACILITY/PLANTA DE INSP.:	YCC
ENG.LEVEL/NIVEL DE ING.:	C11
Nº. OF CAVITIES/No DE CAVIDAD:	2 OF 2
DRAWING/PLANO:	CUSTOMER FORD
DIE No./No. DE DADO-MOLDE:	YA-1

YCC CONTROL NUMBER:	2205-804
CUSTOMER PART No./No. PARTE DEL CLIENTE:	HU5T-14489-MB
YAZAKI PART No./No. PARTE YAZAKI:	7289-5520-40
PART NAME/NOMBRE DE PARTE:	SLV WIR
CONN FEM	

ITEM No/ DIM. No.	SPEC / ESPECIFICACION			SUPPLIER MEASUREMENT/RESULTADOS DIMENSIONALES.								Date/ Fecha	Inspect by/ Inspec. Por	Equipo/ Equipment/	Dev./ Des.	OK	NOT OK NG
	DIMENSION	- TOL.	+ TOL.	CAV. 1	CAV.2	PZA.3	PZA.4	PZA.5									
C/L 14	4.40			4.36	4.36	4.36	4.37	4.36				05/03/22	Elvia Lozoya	SS-ACC015			
18				4.41	4.40	4.41	4.39	4.41				05/03/22	Elvia Lozoya	SS-ACC015			
25-29	8.80	0.30	0.30	8.80	8.78	8.80	8.79	8.79				05/03/22	Elvia Lozoya	SS-ACC015		*	
C/L 25	4.40			4.40	4.40	4.40	4.40	4.40				05/03/22	Elvia Lozoya	SS-ACC015			
29				4.40	4.38	4.40	4.39	4.40				05/03/22	Elvia Lozoya	SS-ACC015			
11 13-19	13.20	0.30	0.30	13.18	13.17	13.17	13.17	13.18				05/03/22	Elvia Lozoya	SS-ACC015		*	
C/L 13	6.60			6.56	6.56	6.56	6.57	6.56				05/03/22	Elvia Lozoya	SS-ACC015			
19				6.61	6.61	6.61	6.61	6.61				05/03/22	Elvia Lozoya	SS-ACC015			
24-30	13.20	0.30	0.30	13.20	13.20	13.20	13.20	13.19				05/03/22	Elvia Lozoya	SS-ACC015		*	
C/L 24	6.60			6.60	6.60	6.60	6.60	6.60				05/03/22	Elvia Lozoya	SS-ACC015			
30				6.60	6.60	6.60	6.60	6.60				05/03/22	Elvia Lozoya	SS-ACC015			
12 12-20	17.60	0.30	0.30	17.57	17.57	17.57	17.57	17.57				05/03/22	Elvia Lozoya	SS-ACC015		*	
C/L 12	8.80			8.77	8.77	8.77	8.77	8.77				05/03/22	Elvia Lozoya	SS-ACC015			
20				8.80	8.80	8.80	8.80	8.80				05/03/22	Elvia Lozoya	SS-ACC015			
23-31	17.60	0.30	0.30	17.63	17.63	17.63	17.63	17.63				05/03/22	Elvia Lozoya	SS-ACC015		*	
C/L 23	8.80			8.81	8.81	8.81	8.81	8.81				05/03/22	Elvia Lozoya	SS-ACC015			
31				8.81	8.81	8.81	8.81	8.81				05/03/22	Elvia Lozoya	SS-ACC015			
13 11-21	22.00	0.30	0.30	21.96	21.97	21.96	21.96	21.96				05/03/22	Elvia Lozoya	SS-ACC015		*	
C/L 11	11.00			10.95	10.96	10.95	10.95	10.95				05/03/22	Elvia Lozoya	SS-ACC015			
21				11.01	11.01	11.01	11.01	11.01				05/03/22	Elvia Lozoya	SS-ACC015			
22-32	22.00	0.30	0.30	22.02	22.01	22.02	22.01	22.02				05/03/22	Elvia Lozoya	SS-ACC015		*	
C/L 22	11.00			11.01	11.01	11.01	11.01	11.01				05/03/22	Elvia Lozoya	SS-ACC015			
32				11.01	11.00	11.01	11.00	11.01				05/03/22	Elvia Lozoya	SS-ACC015			
14	25.30	0.20	0.20	25.25	25.26	25.25	25.26	25.24				05/03/22	Elvia Lozoya	SS-ACC015		*	
15 15-17	4.40	0.30	0.30	4.37	4.36	4.37	4.37	4.37				05/03/22	Elvia Lozoya	SS-ACC015		*	
C/L 15	2.20			2.16	2.17	2.16	2.17	2.16				05/03/22	Elvia Lozoya	SS-ACC015			
17				2.21	2.20	2.21	2.20	2.21				05/03/22	Elvia Lozoya	SS-ACC015			
26-28	4.40	0.30	0.30	4.39	4.39	4.39	4.37	4.39				05/03/22	Elvia Lozoya	SS-ACC015		*	
C/L 26	2.20			2.19	2.19	2.19	2.19	2.19				05/03/22	Elvia Lozoya	SS-ACC015			
28				2.20	2.20	2.20	2.18	2.20				05/03/22	Elvia Lozoya	SS-ACC015			
16	11.00	0.15	0.15	11.01	10.99	11.00	11.00	11.00				05/03/22	Elvia Lozoya	SS-ACC015		*	
17	29.00	0.30	0.30	28.99	29.01	29.01	29.02	29.02				05/03/22	Elvia Lozoya	SS-ACC015		*	

Notes/Notas:

DT

DATA TRANSFER FROM CONTROL NUMBER 2205-231

Review By/ Revisado Por: L. GARCIA

Approved By /Aprobado Por: E. CARMONA



Production Part Approval Dimensional Results

SUPPLIER/PROVEEDOR:
INSP. FACILITY/PLANTA DE INSP.:
ENG. LEVEL/NIVEL DE ING.:
Nº. OF CAVITIES/No DE CAVIDAD:
DRAWING/PLANO:
DIE No./No. DE DADO-MOLDE:

YCC
YCC
C11
4 OF 4
CUSTOMER FORD
Y-2

Partes Aprobadas de Producción Resultados Dimensionales

YCC CONTROL NUMBER:
CUSTOMER PART No./No. PARTE DEL CLIENTE:
YAZAKI PART No./No. PARTE YAZAKI:
PART NAME/NOMBRE DE PARTE:

2106-3833
HU5T-14489-MB
7289-5520-40
SLV WIR
CONN FEM

ITEM No/ DIM. No.	SPEC / ESPECIFICACION			SUPPLIER MEASUREMENT/RESULTADOS DIMENSIONALES										Date/ Fecha	Inspect by/ Inspec. Por	Equipo / Equipment	Dev./ Des.	OK	NOT OK NG
	DIMENSION	- TOL.	+ TOL.	CAV. 1	CAV. 2	CAV. 3	CAV. 4	PZA. 5											
1		19.00	0.30	0.30	18.93	18.93	18.93	18.93	18.93					06/24/21	I. Vilezcas	SS-ACC014		*	
	C/L L	9.50			9.56	9.53	9.49	9.54	9.55					06/24/21	I. Vilezcas	SS-ACC014			
	R				9.37	9.40	9.44	9.39	9.38					06/24/21	I. Vilezcas	SS-ACC014			
2		17.50	0.30	0.30	17.46	17.46	17.47	17.47	17.46					06/24/21	I. Vilezcas	SS-ACC014		*	
	C/L L	8.75			8.76	8.75	8.76	8.76	8.76					06/24/21	I. Vilezcas	SS-ACC014			
	R				8.70	8.72	8.72	8.71	8.70					06/24/21	I. Vilezcas	SS-ACC014			
3		10.50	0.30	0.30	10.49	10.49	10.48	10.49	10.49					06/24/21	I. Vilezcas	SS-ACC014		*	
	C/L L	5.25			5.28	5.25	5.24	5.27	5.28					06/24/21	I. Vilezcas	SS-ACC014			
	R				5.21	5.24	5.25	5.22	5.22					06/24/21	I. Vilezcas	SS-ACC014			
4	2-3	3.50	0.30	0.30	3.42	3.46	3.45	3.43	3.43					06/24/21	I. Vilezcas	SS-ACC014		*	
	C/L 2	1.75			1.77	1.80	1.75	1.77	1.77					06/24/21	I. Vilezcas	SS-ACC014			
	3				1.65	1.66	1.70	1.66	1.66					06/24/21	I. Vilezcas	SS-ACC014			
	7-8	3.50	0.30	0.30	3.50	3.50	3.51	3.51	3.52					06/24/21	I. Vilezcas	SS-ACC014		*	
	C/L 7	1.75			1.78	1.77	1.77	1.78	1.79					06/24/21	I. Vilezcas	SS-ACC014			
	8				1.71	1.74	1.74	1.73	1.73					06/24/21	I. Vilezcas	SS-ACC014			
5	5	1.70	0.15	0.15	1.75	1.72	1.73	1.70	1.73					06/24/21	I. Vilezcas	SS-ACC014		*	
	6				1.75	1.74	1.73	1.71	1.75					06/24/21	I. Vilezcas	SS-ACC014		*	
	7				1.74	1.70	1.69	1.67	1.73					06/24/21	I. Vilezcas	SS-ACC014		*	
	8				1.73	1.68	1.68	1.66	1.71					06/24/21	I. Vilezcas	SS-ACC014		*	
	9				1.74	1.73	1.70	1.66	1.73					06/24/21	I. Vilezcas	SS-ACC014		*	
	10				1.75	1.69	1.72	1.68	1.74					06/24/21	I. Vilezcas	SS-ACC014		*	
6	1	8.20	0.15	0.15	8.22	8.18	8.19	8.16	8.22					06/24/21	I. Vilezcas	SS-ACC014		*	
	2				8.21	8.16	8.16	8.15	8.21					06/24/21	I. Vilezcas	SS-ACC014		*	
	3				8.20	8.16	8.16	8.15	8.20					06/24/21	I. Vilezcas	SS-ACC014		*	
	4				8.21	8.18	8.19	8.17	8.21					06/24/21	I. Vilezcas	SS-ACC014		*	
	L	25.85	0.20	0.20	25.81	25.83	25.86	25.84	25.83					06/24/21	I. Vilezcas	SS-ACC014		*	
	R				25.75	25.76	25.75	25.75	25.75					06/24/21	I. Vilezcas	SS-ACC014		*	
8	22	10.825	0.15	0.15	10.776	10.779	10.807	10.776	10.776					06/24/21	I. Vilezcas	SS-ACC014		*	
	23				10.778	10.783	10.779	10.778	10.780					06/24/21	I. Vilezcas	SS-ACC014		*	
	24				10.790	10.776	10.779	10.778	10.775					06/24/21	I. Vilezcas	SS-ACC014		*	
	25				10.832	10.834	10.813	10.835	10.787					06/24/21	I. Vilezcas	SS-ACC014		*	
	26				10.831	10.836	10.802	10.832	10.800					06/24/21	I. Vilezcas	SS-ACC014		*	
	27				10.831	10.833	10.832	10.832	10.784					06/24/21	I. Vilezcas	SS-ACC014		*	
	28				10.825	10.834	10.826	10.826	10.781					06/24/21	I. Vilezcas	SS-ACC014		*	
	29				10.826	10.839	10.827	10.826	10.787					06/24/21	I. Vilezcas	SS-ACC014		*	
	30				10.815	10.819	10.809	10.781	10.791					06/24/21	I. Vilezcas	SS-ACC014		*	
	31				10.807	10.808	10.777	10.784	10.775					06/24/21	I. Vilezcas	SS-ACC014		*	
	32				10.868	10.856	10.807	10.818	10.794					06/24/21	I. Vilezcas	SS-ACC014		*	
9	11	6.325	0.15	0.15	6.277	6.279	6.275	6.282	6.276					06/24/21	I. Vilezcas	SS-ACC014		*	
	12				6.275	6.277	6.278	6.288	6.277					06/24/21	I. Vilezcas	SS-ACC014		*	
	13				6.293	6.294	6.283	6.294	6.282					06/24/21	I. Vilezcas	SS-ACC014		*	
	14				6.287	6.283	6.296	6.294	6.275					06/24/21	I. Vilezcas	SS-ACC014		*	
	15				6.276	6.277	6.278	6.283	6.277					06/24/21	I. Vilezcas	SS-ACC014		*	
	16				6.286	6.291	6.280	6.288	6.291					06/24/21	I. Vilezcas	SS-ACC014		*	
	17				6.277	6.279	6.280	6.285	6.279					06/24/21	I. Vilezcas	SS-ACC014		*	
	18				6.286	6.280	6.296	6.289	6.294					06/24/21	I. Vilezcas	SS-ACC014		*	
	19				6.286	6.286	6.286	6.288	6.288					06/24/21	I. Vilezcas	SS-ACC014		*	
	20				6.277	6.283	6.283	6.285	6.283					06/24/21	I. Vilezcas	SS-ACC014		*	
	21				6.361	6.372	6.322	6.327	6.318					06/24/21	I. Vilezcas	SS-ACC014		*	
10	14-18	8.80	0.30	0.30	8.77	8.77	8.76	8.77	8.78					06/24/21	I. Vilezcas	SS-ACC014		*	
	C/L 14	4.40			4.40	4.38	4.37	4.37	4.40					06/24/21	I. Vilezcas	SS-ACC014			
	18				4.38	4.39	4.39	4.40	4.38					06/24/21	I. Vilezcas	SS-ACC014			
	25-29	8.80	0.30	0.30	8.79	8.76	8.78	8.75	8.78					06/24/21	I. Vilezcas	SS-ACC014		*	
	C/L 25	4.40			4.41	4.38	4.38	4.36	4.41					06/24/21	I. Vilezcas	SS-ACC014			
	29				4.38	4.38	4.40	4.39	4.38					06/24/21	I. Vilezcas	SS-ACC014			
11	13-19	13.20	0.30	0.30	13.17	13.16	13.16	13.15	13.17					06/24/21	I. Vilezcas	SS-ACC014		*	
	C/L 13	6.60			6.59	6.57	6.57	6.56	6.59					06/24/21	I. Vilezcas	SS-ACC014			
	19				6.58	6.59	6.59	6.59	6.58					06/24/21	I. Vilezcas	SS-ACC014			
	24-30	13.20	0.30	0.30	13.19	13.17	13.20	13.17	13.17					06/24/21	I. Vilezcas	SS-ACC014		*	
	C/L 24	6.60			6.61	6.60	6.59	6.58	6.60					06/24/21	I. Vilezcas	SS-ACC014			
	30				6.57	6.57	6.61	6.59	6.57					06/24/21	I. Vilezcas	SS-ACC014			
12	12-20	17.60	0.30	0.30	17.58	17.55	17.55	17.55	17.58					06/24/21	I. Vilezcas	SS-ACC014		*	
	C/L 12	8.80			8.79	8.77	8.76	8.76	8.79					06/24/21	I. Vilezcas	SS-ACC014			
	20				8.80	8.78	8.80	8.80	8.80					06/24/21	I. Vilezcas	SS-ACC014			
	23-31	17.60	0.30	0.30	17.60	17.59	17.59	17.60	17.60					06/24/21	I. Vilezcas	SS-ACC014		*	

Production Part Approval Dimensional Results

SUPPLIER/PROVEEDOR:

YCC

INSP. FACILITY/PLANTA DE INSP.:

YCC

ENG.LEVEL/NIVEL DE ING.:

C11

Nº. OF CAVITIES/No DE CAVIDAD:

4 OF 4

DRAWING/PLANO:

CUSTOMER FORD

DIE No./No. DE DADO-MOLDE:

Y-2

Partes Aprobadas de Producción

Resultados Dimensionales

YCC CONTROL NUMBER:

2106-3833

CUSTOMER PART No./No. PARTE DEL CLIENTE:

HU5T-14489-MB

YAZAKI PART No./No. PARTE YAZAKI:

7289-5520-40

PART NAME/NOMBRE DE PARTE:

SLV WIR

CONN FEM

[illegible]

Notes/Notas:

AL

Review By/ Revisado Por: **I. PARRA**

Approved By /Aprobado Por: **G. ROMERO**



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.:

C11

Nº. OF CAVITIES/No DE CAVIDAD:

4 OF 4

DRAWING/PLANO:

CUSTOMER FORD

DIE No./No. DE DADO-MOLDE:

Y-1

YCC CONTROL NUMBER:

2110-4037

CUSTOMER PART No./No. PARTE DEL CLIENTE:

HUST-14489-MB

YAZAKI PART No./No. PARTE YAZAKI:

7289-5520-40

PART NAME/NOMBRE DE PARTE:

SLV WIR

CONN FEM

ITEM No/ DIM. No.	SPEC / ESPECIFICACION			SUPPLIER MEASUREMENT/RESULTADOS DIMENSIONALES.							Date/ Fecha	Inspect by/ Inspec. Por	Equipo / Equipment	Dev./ Des.	OK	NOT OK NG
	DIMENSION	- TOL.	+ TOL.	CAV. 1	CAV.2	CAV. 3	CAV. 4	PZA.5								
1		19.00	0.30	0.30	18.95	18.97	19.06	18.95	18.93		10/22/21	K.HERNANDEZ	SS-ACC017		*	
	C/L L	9.50			9.47	9.49	9.46	9.48	9.48		10/22/21	K.HERNANDEZ	SS-ACC017			
	R				9.48	9.48	9.60	9.48	9.46		10/22/21	K.HERNANDEZ	SS-ACC017			
2		17.50	0.30	0.30	17.53	17.47	17.50	17.50	17.50		10/22/21	K.HERNANDEZ	SS-ACC017		*	
	C/L L	8.75			8.77	8.74	8.75	8.75	8.74		10/22/21	K.HERNANDEZ	SS-ACC017			
	R				8.76	8.73	8.75	8.75	8.76		10/22/21	K.HERNANDEZ	SS-ACC017			
3		10.50	0.30	0.30	10.51	10.50	10.57	10.50	10.55		10/22/21	K.HERNANDEZ	SS-ACC017		*	
	C/L L	5.25			5.25	5.24	5.28	5.26	5.30		10/22/21	K.HERNANDEZ	SS-ACC017			
	R				5.26	5.26	5.30	5.25	5.25		10/22/21	K.HERNANDEZ	SS-ACC017			
4	2-3	3.50	0.30	0.30	3.42	3.43	3.47	3.47	3.45		10/22/21	K.HERNANDEZ	SS-ACC017		*	
	C/L 2	1.75			1.72	1.71	1.73	1.74	1.72		10/22/21	K.HERNANDEZ	SS-ACC017			
	3				1.71	1.72	1.74	1.73	1.74		10/22/21	K.HERNANDEZ	SS-ACC017			
	7-8	3.50	0.30	0.30	3.51	3.53	3.52	3.53	3.45		10/22/21	K.HERNANDEZ	SS-ACC017		*	
	C/L 7	1.75			1.75	1.78	1.76	1.76	1.72		10/22/21	K.HERNANDEZ	SS-ACC017			
	8				1.76	1.76	1.76	1.76	1.72		10/22/21	K.HERNANDEZ	SS-ACC017			
5	5	1.70	0.15	0.15	1.71	1.72	1.73	1.73	1.72		10/22/21	K.HERNANDEZ	SS-ACC005		*	
	6				1.72	1.72	1.72	1.75	1.73		10/22/21	K.HERNANDEZ	SS-ACC005		*	
	7				1.73	1.73	1.73	1.73	1.71		10/22/21	K.HERNANDEZ	SS-ACC005		*	
	8				1.71	1.74	1.74	1.74	1.75		10/22/21	K.HERNANDEZ	SS-ACC005		*	
	9				1.72	1.75	1.75	1.75	1.74		10/22/21	K.HERNANDEZ	SS-ACC005		*	
	10				1.71	1.74	1.74	1.74	1.76		10/22/21	K.HERNANDEZ	SS-ACC005		*	
6	1	8.20	0.15	0.15	8.20	8.22	8.22	8.23	8.15		10/22/21	K.HERNANDEZ	SS-ACC005		*	
	2				8.16	8.18	8.18	8.18	8.19		10/22/21	K.HERNANDEZ	SS-ACC005		*	
	3				8.15	8.16	8.15	8.17	8.18		10/22/21	K.HERNANDEZ	SS-ACC005		*	
	4				8.19	8.22	8.24	8.22	8.22		10/22/21	K.HERNANDEZ	SS-ACC005		*	
	7				25.78	25.83	25.75	25.81	25.75		10/22/21	K.HERNANDEZ	SS-ACC017		*	
	R	25.85	0.20	0.20	25.75	25.75	25.85	25.75	25.75		10/22/21	K.HERNANDEZ	SS-ACC017		*	
8	22	10.825	0.15	0.15	10.788	10.802	10.808	10.810	10.795		10/27/21	J CORPUS	SS-ACC015		*	
	23				10.797	10.809	10.818	10.837	10.806		10/27/21	J CORPUS	SS-ACC015		*	
	24				10.780	10.798	10.790	10.809	10.801		10/27/21	J CORPUS	SS-ACC015		*	
	25				10.802	10.827	10.842	10.834	10.821		10/27/21	J CORPUS	SS-ACC015		*	
	26				10.820	10.836	10.859	10.840	10.831		10/27/21	J CORPUS	SS-ACC015		*	
	27				10.806	10.842	10.853	10.848	10.841		10/27/21	J CORPUS	SS-ACC015		*	
	28				10.819	10.828	10.843	10.841	10.828		10/27/21	J CORPUS	SS-ACC015		*	
	29				10.805	10.817	10.821	10.831	10.819		10/27/21	J CORPUS	SS-ACC015		*	
	30				10.779	10.775	10.788	10.790	10.775		10/27/21	J CORPUS	SS-ACC015		*	
	31				10.775	10.779	10.783	10.780	10.775		10/27/21	J CORPUS	SS-ACC015		*	
	32				10.795	10.779	10.783	10.777	10.806		10/27/21	J CORPUS	SS-ACC015		*	
9	11	6.325	0.15	0.15	6.291	6.315	6.320	6.289	6.307		10/27/21	J CORPUS	SS-ACC015		*	
	12				6.322	6.341	6.337	6.320	6.332		10/27/21	J CORPUS	SS-ACC015		*	
	13				6.304	6.324	6.326	6.302	6.315		10/27/21	J CORPUS	SS-ACC015		*	
	14				6.301	6.322	6.312	6.292	6.313		10/27/21	J CORPUS	SS-ACC015		*	
	15				6.296	6.309	6.321	6.296	6.303		10/27/21	J CORPUS	SS-ACC015		*	
	16				6.278	6.295	6.312	6.296	6.293		10/27/21	J CORPUS	SS-ACC015		*	
	17				6.287	6.297	6.303	6.297	6.298		10/27/21	J CORPUS	SS-ACC015		*	
	18				6.299	6.299	6.298	6.315	6.298		10/27/21	J CORPUS	SS-ACC015		*	
	19				6.286	6.291	6.287	6.295	6.295		10/27/21	J CORPUS	SS-ACC015		*	
	20				6.275	6.275	6.285	6.287	6.277		10/27/21	J CORPUS	SS-ACC015		*	
	21				6.275	6.289	6.283	6.312	6.294		10/27/21	J CORPUS	SS-ACC015		*	
10	14-18	8.80	0.30	0.30	8.76	8.78	8.77	8.77	8.78		10/22/21	K.HERNANDEZ	SS-ACC017		*	
	C/L 14	4.40			4.38	4.39	4.39	4.38	4.38		10/22/21	K.HERNANDEZ	SS-ACC017			
	18				4.38	4.39	4.38	4.39	4.39		10/22/21	K.HERNANDEZ	SS-ACC017			
	25-29	8.80	0.30	0.30	8.77	8.78	8.77	8.79	8.77		10/22/21	K.HERNANDEZ	SS-ACC017		*	
	C/L 25	4.40			4.38	4.39	4.38	4.39	4.38		10/22/21	K.HERNANDEZ	SS-ACC017			
	29				4.39	4.39	4.39	4.40	4.39		10/22/21	K.HERNANDEZ	SS-ACC017			

Production Part Approval Dimensional Results

SUPPLIER/PROVEEDOR:

YCC

INSP. FACILITY/PLANTA DE INSP.:

YCC

ENG.LEVEL/NIVEL DE ING.:

C11

Nº. OF CAVITIES/Nº DE CAVIDAD:

4 OF 4

DRAWING/PLANO:

CUSTOMER FORD

DIE No./No. DE DADO-MOLDE:

Y-1

Partes Aprobadas de Producción

Resultados Dimensionales

YCC CONTROL NUMBER:

2110-4037

CUSTOMER PART No./No. PARTE DEL CLIENTE:

HU5T-14489-MB

YAZAKI PART No./No. PARTE YAZAKI:

7289-5520-40

PART NAME/NOMBRE DE PARTE:

SLV WIR

CONN FEM

ITEM No/ DIM. No.	SPEC / ESPECIFICACION				SUPPLIER MEASUREMENT/RESULTADOS DIMENSIONALES.								Date/ Fecha	Inspect by/ Inspec. Por	Equipo / Equipment	Dev./ Des.	OK	NOT O NG
	DIMENSION	- TOL.	+ TOL.		CAV. 1	CAV.2	CAV. 3	CAV. 4	PZA.5									
11	13-19	13.20	0.30	0.30	13.15	13.16	13.17	13.15	13.17				10/22/21	K.HERNANDEZ	SS-ACC017		*	
	C/L 13	6.60			6.58	6.58	6.59	6.58	6.58				10/22/21	K.HERNANDEZ	SS-ACC017			
	19				6.58	6.58	6.59	6.58	6.59				10/22/21	K.HERNANDEZ	SS-ACC017			
	24-30	13.20	0.30	0.30	13.15	13.17	13.16	13.15	13.16				10/22/21	K.HERNANDEZ	SS-ACC017		*	
	C/L 24	6.60			6.57	6.58	6.58	6.57	6.59				10/22/21	K.HERNANDEZ	SS-ACC017			
	30				6.58	6.59	6.59	6.58	6.58				10/22/21	K.HERNANDEZ	SS-ACC017			
12	12-20	17.60	0.30	0.30	17.54	17.57	17.59	17.54	17.55				10/22/21	K.HERNANDEZ	SS-ACC017		*	
	C/L 12	8.80			8.76	8.78	8.80	8.77	8.76				10/22/21	K.HERNANDEZ	SS-ACC017			
	20				8.77	8.79	8.79	8.77	8.79				10/22/21	K.HERNANDEZ	SS-ACC017			
	23-31	17.60	0.30	0.30	17.61	17.64	17.63	17.62	17.65				10/22/21	K.HERNANDEZ	SS-ACC017		*	
	C/L 23	8.80			8.80	8.81	8.82	8.81	8.83				10/22/21	K.HERNANDEZ	SS-ACC017			
	31				8.81	8.83	8.81	8.81	8.82				10/22/21	K.HERNANDEZ	SS-ACC017			
13	11-21	22.00	0.30	0.30	21.91	21.95	21.94	21.91	21.93				10/22/21	K.HERNANDEZ	SS-ACC017		*	
	C/L 11	11.00			10.95	10.97	10.97	10.96	10.97				10/22/21	K.HERNANDEZ	SS-ACC017			
	21				10.95	10.97	10.97	10.96	10.95				10/22/21	K.HERNANDEZ	SS-ACC017			
	22-32	22.00	0.30	0.30	21.99	21.99	21.98	21.99	21.99				10/22/21	K.HERNANDEZ	SS-ACC017		*	
	C/L 22	11.00			10.99	10.99	10.99	11.00	11.00				10/22/21	K.HERNANDEZ	SS-ACC017			
	32				11.00	11.00	10.99	11.00	10.99				10/22/21	K.HERNANDEZ	SS-ACC017			
14		25.30	0.20	0.20	25.29	25.28	25.27	25.25	25.27				10/22/21	K.HERNANDEZ	SS-ACC017		*	
15	15-17	4.40	0.30	0.30	4.39	4.39	4.39	4.37	4.39				10/22/21	K.HERNANDEZ	SS-ACC017		*	
	C/L 15	2.20			2.20	2.19	2.19	2.19	2.19				10/22/21	K.HERNANDEZ	SS-ACC017			
	17				2.19	2.20	2.19	2.18	2.20				10/22/21	K.HERNANDEZ	SS-ACC017			
	26-28	4.40	0.30	0.30	4.39	4.39	4.39	4.39	4.39				10/22/21	K.HERNANDEZ	SS-ACC017		*	
	C/L 26	2.20			2.20	2.20	2.19	2.19	2.20				10/22/21	K.HERNANDEZ	SS-ACC017			
	28				2.20	2.19	2.19	2.19	2.19				10/22/21	K.HERNANDEZ	SS-ACC017			
16		11.00	0.15	0.15	11.05	11.02	11.03	11.05	11.05				10/26/21	K.HERNANDEZ	SS-ACC005		*	
17		29.00	0.30	0.30	28.91	28.90	28.90	28.91	28.90				10/27/21	J CORPUS	SS-ACC015		*	

Notes/Notas:

AL

Review By/ Revisado Por: **J CORPUS**

Approved By /Aprobado Por: **E.CARMONA**

PARENT ITEM : 7289-5520-40

ECN : F1:ECN INQUIRY

FUN : 32P (2P 2.8 YESC, 8P 1.5 YESC,

LEVEL	SF	CHILD ITEM	T	O	DEP	LIN	QUANTITY REQUIRED	UOM	DATE EFFEC.	DATE DISC.
01		BOXCOR007	7	2	PUR	CMP	000.00012	EA	160322	000000
		CAJA 15"1/16X10"1/4 14"9/16								
01		LAB-PAP-001	7	2	PUR	CMP	000.00012	EA	160322	000000
		ETIQUETA PARA CAJA								
01		PAD-CHP-003	7	2	PUR	CMP	000.00135	EA	160322	000000
		SEPARADOR 14 X 10 IN								
01		PALW00001	7	2	PUR	CMP	001.00000	EA	160322	000000
		47X44X4X 1/2 IN SIZE B PALLET								
01		PAR-CHP-011	7	2	PUR	CMP	000.00123	EA	160322	000000
		14 1/2X10X1 3/8 81C CHPBD PAR								
01		TAP-PLA-001	7	2	PUR	CMP	000.00185	KG	180820	000000
		SHUR TAPE 2"X100 M								
01		7172-1134	3	3	F00	G03	001.00000	EA	160322	000000
		32P UNSEALED FEMALE TAP (GENY)								

FUN = 'BLANK' DISPLAYS ACTIVE ITEM ONLY ALL: DISPLAY ALL ITEM

ROLL CMD3: END CMD7: WHERE USED INQUIRY

PARENT ITEM : 7289-5520-40

ECN : F1:ECN INQUIRY

FUN : 32P (2P 2.8 YESC, 8P 1.5 YESC,

LEVEL	SF	CHILD ITEM	T	O	DEP	LIN	QUANTITY REQUIRED	UOM	DATE EFFEC.	DATE DISC.
02		BAG-PLA-008	7	2	PUR	CMP	000.00125	EA	151113	000000
		70X80 CM BOLSA DE PLASTICO NAT								
02		CONPLA002	7	2	PUR	CMP	000.00125	EA	151113	000000
		CONT PLAS NO 2 (48X38X20)CM								
02		85434013	4	2	PUR	CMP	000.00232	KG	151113	000000
		NY 66N ZYTEL 70G35HSL NC010 NA								
01		7189-5520-40	3	3	F00	G04	001.00000	EA	160322	000000
		32P(2PX2.8 YESC + 8PX1.5 YESC								
02		BAG-PLA-008	7	2	PUR	CMP	000.00245	EA	160309	000000
		70X80 CM BOLSA DE PLASTICO NAT								
02		CONPLA002	7	2	PUR	CMP	000.00245	EA	160309	000000
		CONT PLAS NO 2 (48X38X20)CM								
02		854340131067	3	3	F00	CMP	000.01328	KG	160309	000000
		NY 66N ZYTEL 70G35HSL GRAY								

FUN = 'BLANK' DISPLAYS ACTIVE ITEM ONLY ALL: DISPLAY ALL ITEM

ROLL CMD3: END CMD7: WHERE USED INQUIRY

PARENT ITEM : 7289-5520-40

ECN : _____ F1:ECN INQUIRY

FUN : _____ 32P (2P 2.8 YESC, 8P 1.5 YESC,

LEVEL	SF	CHILD ITEM	T	O	DEP	LIN	QUANTITY REQUIRED	UOM	DATE EFFEC.	DATE DISC.
03		85434013	4	2	PUR	CMP	000.96000	KG	150213	000000
		NY 66N ZYTEL 70G35HSL NC010 NA								
03		87091067	4	2	PUR	CMP	000.04000	KG	150317	000000
		CNY00302 PIGM GRAY								

FUN = 'BLANK' DISPLAYS ACTIVE ITEM ONLY ALL: DISPLAY ALL ITEM

ROLL CMD3: END CMD7: WHERE USED INQUIRY

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: 09/16/2021

Page: 1 / 1

Your order from 09/14/2021

Order No. : K1210012399

Material No. : 87091067

Delivery no./Pos. : 52931074 / 900003

Order : 15247003

Material : GRAY NY

Old Material No. : CNY00302

Material-no. : AB7SAD

Batch No. : USPC051978

Standard : DA17391

Quantity : 453.600 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		0.66 CMC2:1
Let Down Ratio (%)		4

This report does not require a signature.



DuPont Washington Works
 Certification Office
 P.O. Box 1217
 Washington, WV 26181-1217

October 04, 2021

AUTOCONECTORES DE CHIHUAHUA
 ELCOM S. DE RL. DE C.V.
 ISHIKAWA NO. 1400 PARQU
 QUALITY ASSURANCE
 PARQUE INDUSTRIAL SUPRA
 Chihuahua - CHI 31137

DU PONT ORDER NO: 2501128021
 CUSTOMER PO NO: K1210012534
 DELIVERY DATE: 10/04/21
 DELIVERY NO: 7802355653
 FAX NUMBER:

THIS IS TO ADVISE THAT THE PRODUCT LISTED BELOW HAS BEEN CLASSIFIED STANDARD PRODUCT. TEST DATA ARE ATTACHED WHICH SHOW COMPLIANCE TO THE INDICATED SPECIFICATION.

QUALITY ASSURANCE MANAGER

<u>PRODUCT(S)</u>	<u>LOT(S)</u>	<u>QTY</u>		<u>SPECIFICATION(S)</u>
		<u>Kgs</u>	<u>Lbs</u>	
ZYTEL® 70G35HSL NC010 25 KG BAG CPN:85434013	N59VGLV101	5000.00	11020.00	DU PONT STD SPEC YAZAKI YPES-25-02-513
	N59VHMJ101	13000.00	28652.00	

THIS PRODUCT CERTIFICATION IS **NON-TRANSFERABLE** AND IS VALID ONLY TO THE FIRST END-USER PURCHASING THIS PRODUCT DIRECTLY FROM DUPONT OR FROM A DUPONT-AUTHORIZED DISTRIBUTOR. PRODUCT AND/OR PRODUCT CERTIFICATION OBTAINED FROM AN UNAUTHORIZED SOURCE IS ASSUMED COUNTERFEIT, AND DUPONT MAKES NO WARRANTIES AND ASSUMES NO LIABILITY IN CONNECTION WITH THE USE OF PRODUCT OR PRODUCT CERTIFICATION OBTAINED FROM AN UNAUTHORIZED SOURCE. *Call 1-800-441-0575 for a list of authorized distributors in your area.* Copyright © 2019 DuPont . All Rights Reserved. No portion of this work may be reproduced in whole or in part by any electronic, mechanical or other means, including xerography, photocopy, or any information storage or retrieval system, or otherwise distributed without the express permission of DuPont.

DU PONT STANDARD SPECIFICATION

Product: ZYTEL® 70G35HSL NC010 25 KG BAG

TESTS	TEST METHOD	LIMITS		RESULTS
		MIN	MAX	
<u>LOT TEST</u>		<u>LOT NO: N59VGLV101</u>		
Ash Content %	ISO 3451/1	33.0	37.0	34.7
Melt Viscosity, Pa.s	ISO 11443	120	220	218
Water Content at Packout, %	ISO 15512		0.18	0.07
<u>PERIODIC TEST</u>		<u>LAST TEST DATE: December 2020</u>		
Deflection Temperature @1.80 MPa, °C	ISO 75-1&2			254
Density, g/cm3	ISO 1183/Method A			1.41
Notched Charpy Impact @ 23C, kj/m2	ISO 179/1eA			13.5
Temp of melting,2nd melt,10°C/min °C	ISO 11357			261
Tensile Modulus, Mpa	ISO 527-1&2			11300
Tensile Stress @ Break, 5mm/min, MPa	ISO 527			205

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DU PONT STANDARD SPECIFICATION

Product: ZYTEL® 70G35HSL NC010 25 KG BAG

TESTS	TEST METHOD	LIMITS		RESULTS
		MIN	MAX	
<u>LOT TEST</u>		<u>LOT NO: N59VHMJ101</u>		
Ash Content %	ISO 3451/1	33.0	37.0	34.9
Melt Viscosity, Pa.s	ISO 11443	120	220	214
Water Content at Packout, %	ISO 15512		0.18	0.02
<u>PERIODIC TEST</u>		<u>LAST TEST DATE: December 2020</u>		
Deflection Temperature @1.80 MPa, °C	ISO 75-1&2			254
Density, g/cm3	ISO 1183/Method A			1.41
Notched Charpy Impact @ 23C, kj/m2	ISO 179/1eA			13.5
Temp of melting,2nd melt,10°C/min °C	ISO 11357			261
Tensile Modulus, Mpa	ISO 527-1&2			11300
Tensile Stress @ Break, 5mm/min, MPa	ISO 527			205

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**DU PONT COMPANY
CUSTOMER SPECIFICATION**

Product: ZYTEL® 70G35HSL NC010 25 KG BAG

Specification: YAZAKI YPES-25-02-513

TESTS	TEST METHOD	LIMITS		RESULTS
		MIN	MAX	
<u>LOT TEST</u>		<u>LOT NO: N59VGLV101</u>		
Ash Content %	ISO 3451/1	33.0	37.0	34.7
Melt Viscosity, Pa.s	ISO 11443	120	220	218
Water Content at Packout, %	ISO 15512		0.20	0.07
<u>PERIODIC TEST</u>		<u>LAST TEST DATE: December 2020</u>		
Deflection Temperature @1.80 MPa, °C	ISO 75-1&2	245		254
Density, g/cm3	ISO 1183/Method A	1.35	1.45	1.41
Notched Charpy Impact @ 23C, kj/m2	ISO 179/1eA	9.0		13.5
Temp of melting,2nd melt,10°C/min °C	ISO 11357	250	265	261
Tensile Modulus, Mpa	ISO 527-1&2	9000		11300
Tensile Stress @ Break, 5mm/min, MPa	ISO 527	180		205

(01) PERFORMED AT 280 DEGREES C WITH A SHEAR RATE OF 1000/SE C AND A DWELL TIME OF 300 SEC. USING AN ORIFICE WITH AN L/D RATIO OF 20:1 AND AN ENTRANCE ANGLE OF 120 DEGREES. RESULTS ARE CORRECTED TO A MOISTURE CONTENT OF 0.13%.

THIS PRODUCT CERTIFICATION IS **NON-TRANSFERABLE** AND IS VALID ONLY TO THE FIRST END-USER PURCHASING THIS PRODUCT DIRECTLY FROM DUPONT OR FROM A DUPONT-AUTHORIZED DISTRIBUTOR. PRODUCT AND/OR PRODUCT CERTIFICATION OBTAINED FROM AN UNAUTHORIZED SOURCE IS ASSUMED COUNTERFEIT, AND DUPONT MAKES NO WARRANTIES AND ASSUMES NO LIABILITY IN CONNECTION WITH THE USE OF PRODUCT OR PRODUCT CERTIFICATION OBTAINED FROM AN UNAUTHORIZED SOURCE. Call 1-800-441-0575 for a list of authorized distributors in your area. Copyright © 2019 DuPont . All Rights Reserved. No portion of this work may be reproduced in whole or in part by any electronic, mechanical or other means, including xerography, photocopy, or any information storage or retrieval system, or otherwise distributed without the express permission of DuPont.

DU PONT COMPANY
CUSTOMER SPECIFICATION

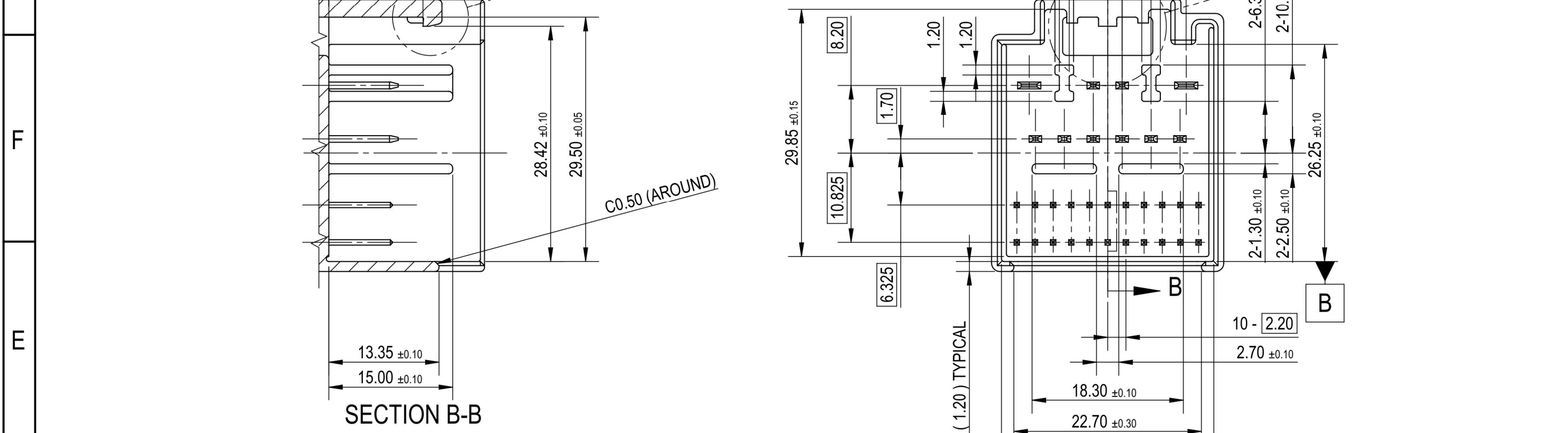
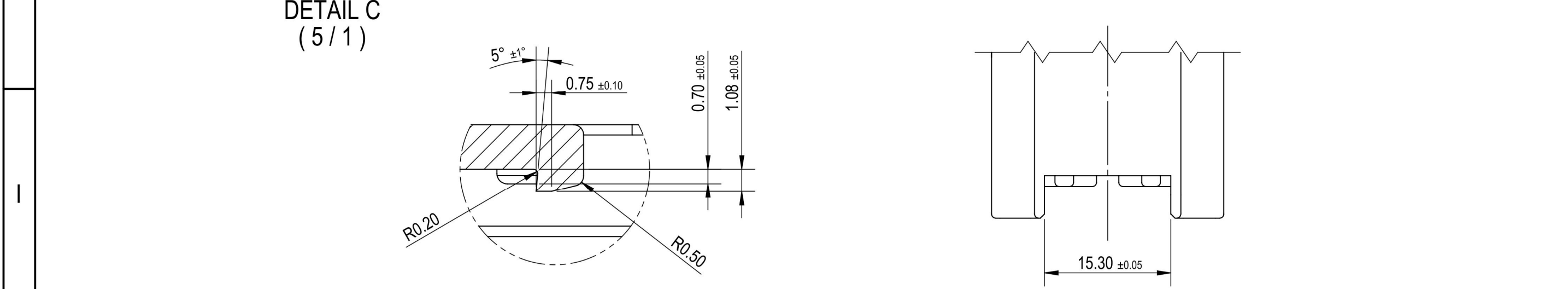
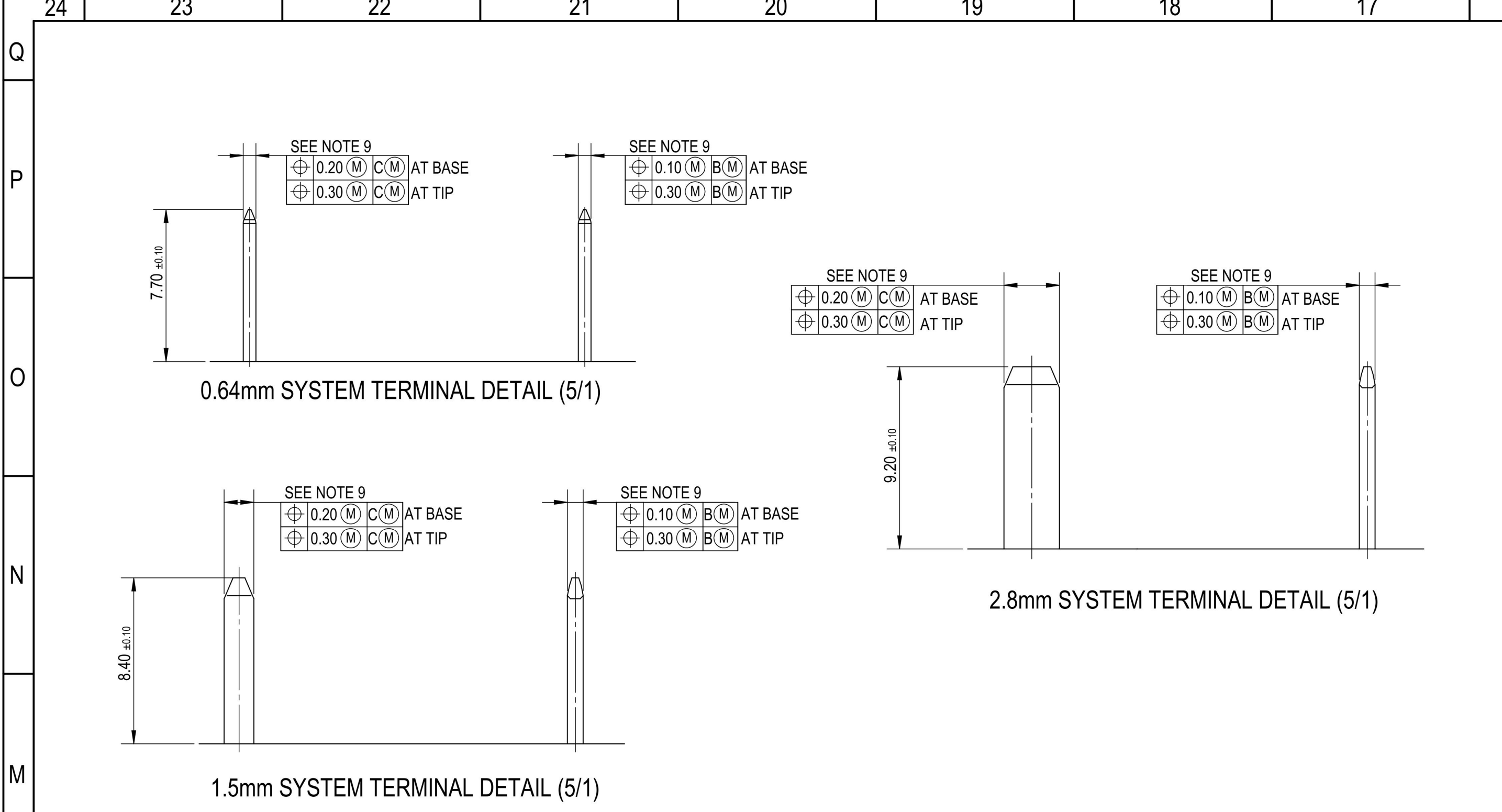
Product: ZYTEL® 70G35HSL NC010 25 KG BAG

Specification: YAZAKI YPES-25-02-513

TESTS	TEST METHOD	LIMITS		RESULTS
		MIN	MAX	
<u>LOT TEST</u>				<u>LOT NO: N59VHMJ101</u>
Ash Content %	ISO 3451/1	33.0	37.0	34.9
Melt Viscosity, Pa.s	ISO 11443	120	220	214 (01)
Water Content at Packout, %	ISO 15512		0.20	0.02
<u>PERIODIC TEST</u>				<u>LAST TEST DATE: December 2020</u>
Deflection Temperature @1.80 MPa, °C	ISO 75-1&2	245		254
Density, g/cm3	ISO 1183/Method A	1.35	1.45	1.41
Notched Charpy Impact @ 23C, kj/m2	ISO 179/1eA	9.0		13.5
Temp of melting,2nd melt,10°C/min °C	ISO 11357	250	265	261
Tensile Modulus, Mpa	ISO 527-1&2	9000		11300
Tensile Stress @ Break, 5mm/min, MPa	ISO 527	180		205

(01) PERFORMED AT 280 DEGREES C WITH A SHEAR RATE OF 1000/SE C AND A DWELL TIME OF 300 SEC. USING AN ORIFICE WITH AN L/D RATIO OF 20:1 AND AN ENTRANCE ANGLE OF 120 DEGREES. RESULTS ARE CORRECTED TO A MOISTURE CONTENT OF 0.13%.

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NOTES:

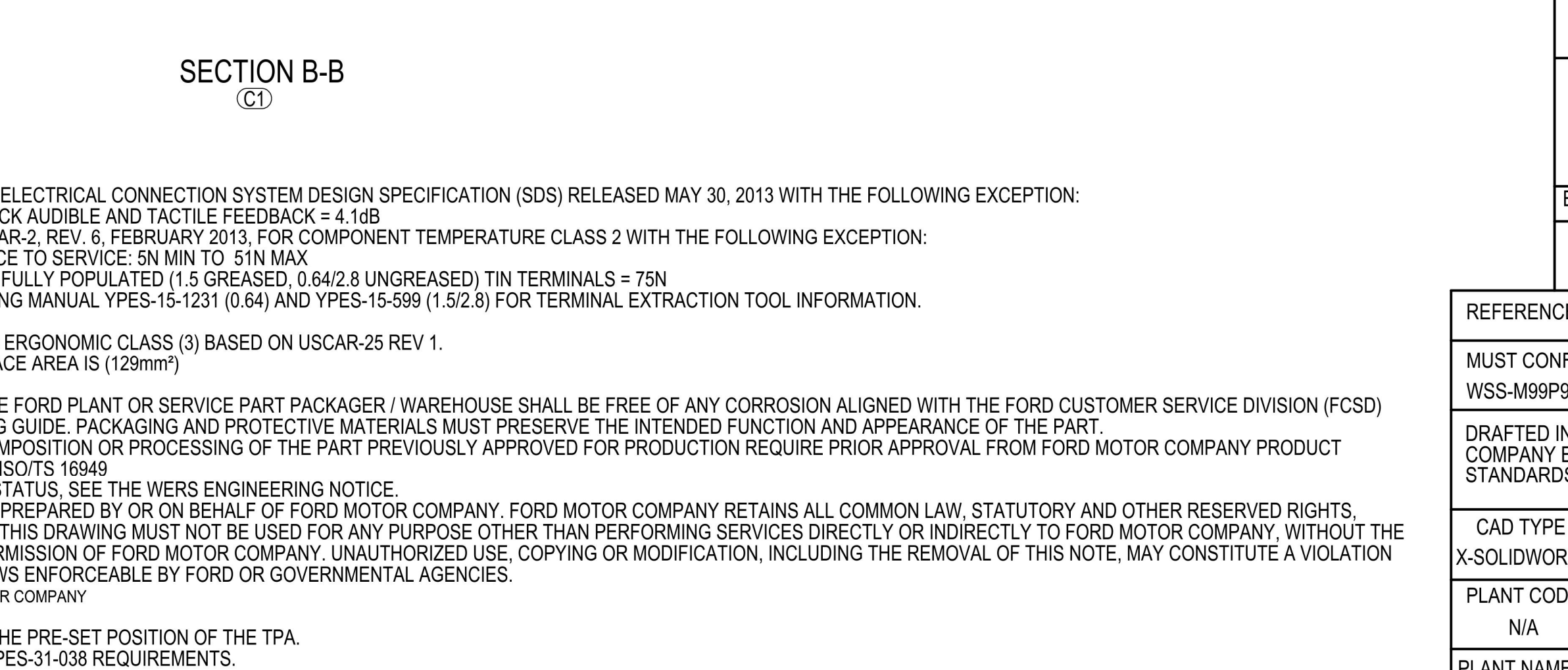
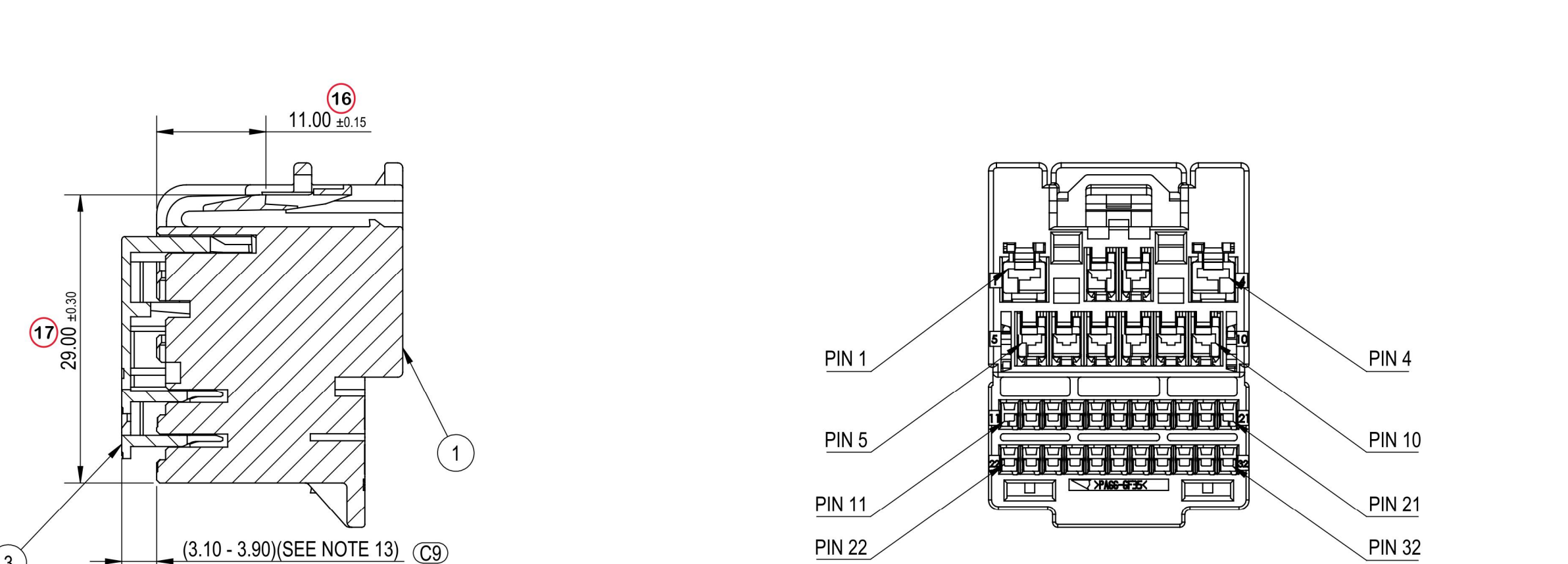
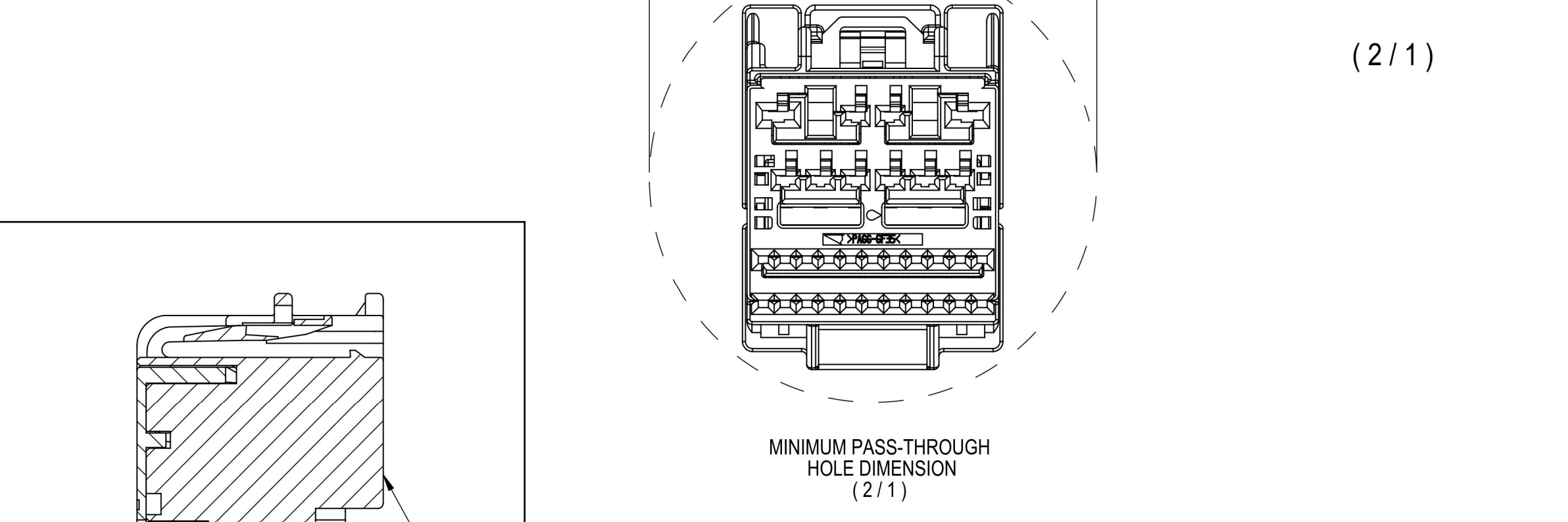
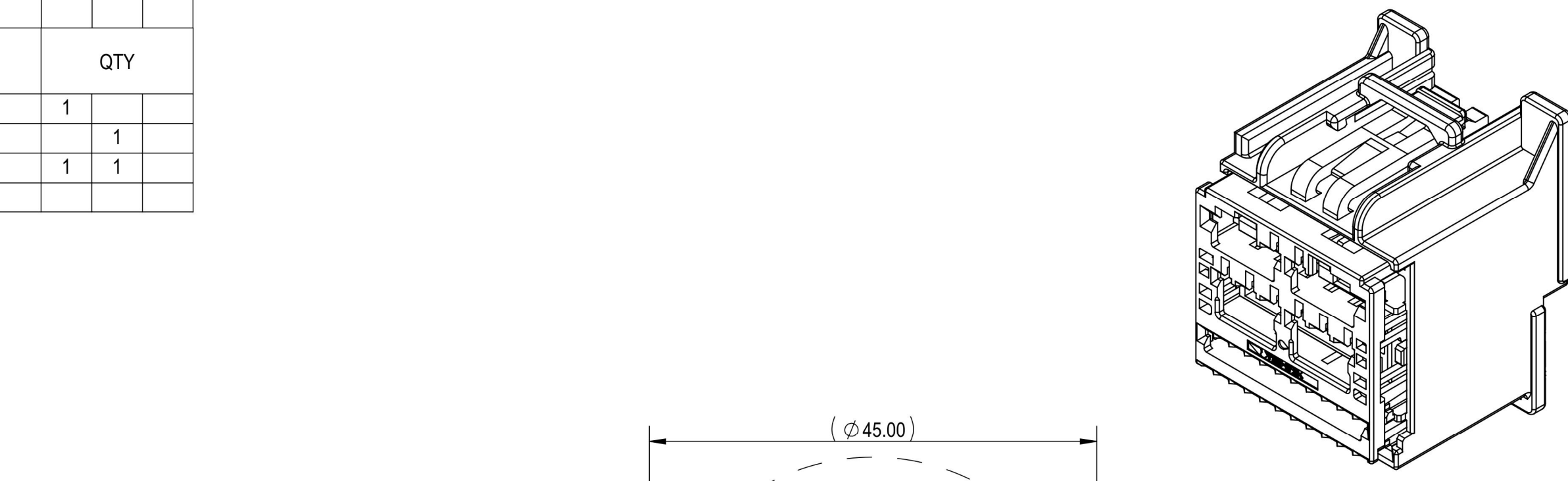
- PARTS MUST CONFORM TO THE ELECTRICAL CONNECTOR SYSTEM DESIGN SPECIFICATION (SDS)
- DATED MAY 20, 2013
- PARTS MUST CONFORM TO USCAR-2 REV 6 FEBRUARY 2013
- ALL PLASTIC PARTS MUST BE FREE OF FLASH AND IMPERFECTIONS THAT AFFECT FUNCTION.
- UNLESS OTHERWISE SPECIFIED ALL RADII ARE TO BE 0.50mm
- RECOMMENDED MATERIAL:
HOUSING: PPA-GF15 OR AS ENVIRONMENTAL CONDITIONS REQUIRE.
TERMINALS: 0.64mm: C29000H
1.5mm: CuZn30
2.8mm: CuZn30
- RECOMMENDED PLATING: Cu UNDERPLATE: 0.64mm 2.00 - 3.50µm
1.50mm 2.00 - 3.50µm
2.80mm N/A
- CONTACT PLATING
Sn REFLOW PLATE: 0.80-1.50µm (ALL TERMINALS)
1.50mm 2.00 - 3.50µm
2.80mm N/A
- TERMINALS ARE TO BE FREE OF SCRATCHES, DISCOLORATION, BURRS OR OTHER IMPERFECTIONS THAT AFFECT FUNCTION.
- NOTIFICATION OF THE CONNECTOR SUPPLIER IS REQUIRED PRIOR TO TOOLING THE INTERFACE.
- REFERENCE EWCAP-001 FOR TERMINAL BLADE DETAILS (004-T001, 150-T001, 280-T001)

GENERAL TOLERANCE									
	10MAX	50MAX	100MAX	250MAX	250OVR	R5 MAX	R10 MAX	R20 MAX	R20 OVR
(A)	±0.15	±0.20	±0.3	±0.50	±0.75	±3°	±3°	±3°	±3°
B	±0.20	±0.30	±0.55	±0.85	±1.40	±3°	±3°	±3°	±3°
C	±0.30	±0.50	±0.8	±1.40	±2.00	±3°	±3°	±3°	±3°

APPLICABLE COMPONENTS						
ITEM	DESCRIPTION	MANDATORY (Y/N)	TERMINAL CAVITY MIN/MAX OD	PLATING / MATERIAL	FORD COMPONENT PART NO.	YAZAKI COMPONENT PART NO.
1	TRC # B756 / 0.64mm GEN-Y (11-32)	N	0 / 1.86 x 2.32	-	N/A	N/A
2	TRC #G160 / 1.5mm YESC (2,3,5-10)	N	0 / 2.90 x 2.95	-	N/A	N/A
3	TRC #B795 / 2.8mm YESC (1,4)	N	0 / 4.40 x 4.60	-	N/A	N/A

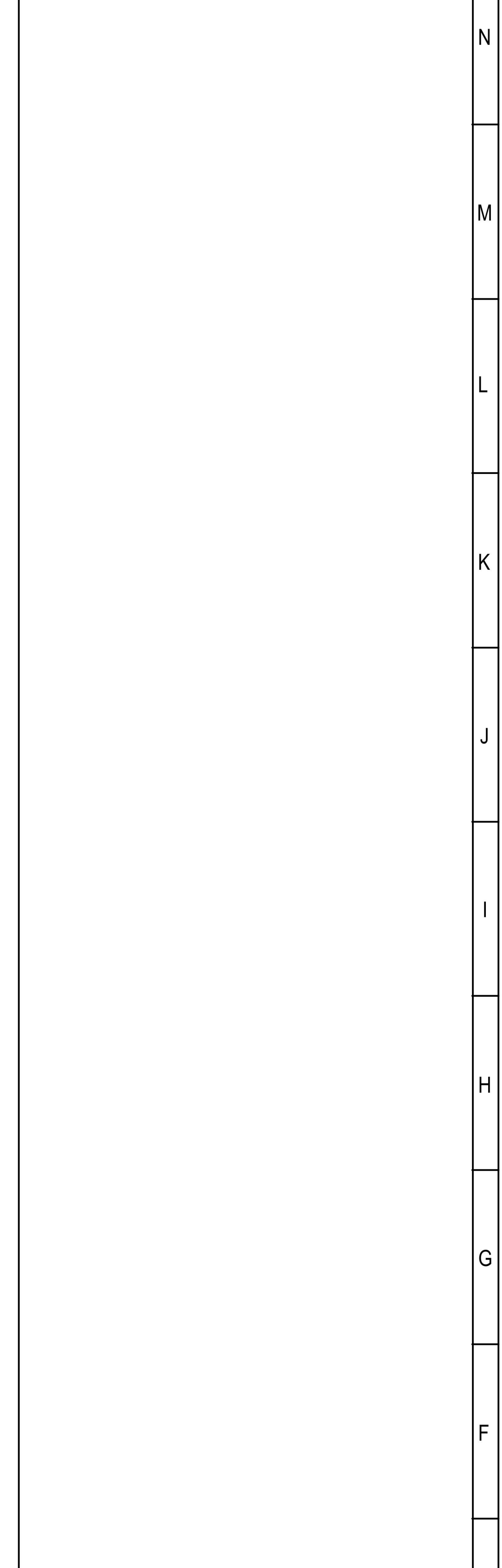
ITEM	PART NAME	COLOR	FORD PART NO.	YAZAKI PART NO.	MATERIAL	MATERIAL CODE	WEIGHT	QTY
1	HOUSING KEYWAY A	BLACK	N/A	7189-5519-30	NYLON	>PA66-GF35<	(10.22) g	1
2	HOUSING KEYWAY B	LIGHT GRAY	N/A	7189-5520-40	NYLON	>PA66-GF35<	(10.22) g	1
3	TERMINAL POSITION ASSURANCE	NATURAL	N/A	7172-1134	NYLON	>PA66-GF35<	(1.67) g	1

CONNECTOR ASSEMBLY CHART						
ASSEMBLY PART NO.'S		(C3)	(C4)	(C5)	MATING COMPONENT	
FORD PART NO.	YAZAKI PART NO.	TEMPERATURE CLASS	VIBRATION CLASS	SEALING CLASS	FORD PART NO.	YAZAKI PART NO.
HUST-14489-LB	7289-5519-30	T2	V1	S1	N/A	HUST-14F262-HB 7286-5518-30, ETC.
HUST-14489-MB	7289-5520-40	T2	V1	S1	N/A	HUST-14F262-BA 7288-7659-30, ETC.



YAZAKI NORTH AMERICA, INC.			
APPROVED	CHECKED	CHECKED	DRAWN
Jeremy Gagnon	James Litteck	Hector Avitia	Alejandro Calleros
DATE	DATE	DATE	DATE
2019.07.08	2019.07.08	2019.07.08	2019.07.08

REVISIONS			
ORIGINATOR	CHECKER	ENGR APP	MATL APP
RELEASED			
AEL-E-11784007-304		20141118	
G. MARINELARENA	L. KIM	ASANKOV1	
REDRAWN AND UPDATED TO FECS 30 AFTER REVISION B			
C1 ADDED SECTION VIEW TO SHOW PART AS MANUFACTURED			
C2 REVISED NOTES			
C3 REVISED DIMENSION TOLERANCE WAS "±0.50" (7x)			
C4 ADDED SEALING CLASS COLUMN			
C5 ADDED BRANDING & CODING COLUMN			
C6 REVISED TEMPERATURE COLUMN WAS "MAX TEMP"			
C7 REVISED DIMENSION TOLERANCE WAS "±0.30" (4x)			
C8 REVISED TITLE NAME WAS "SLV ASY WIR CONN FEM"			
C9 REVISED RANGE MADE REFERENCE			
C10 UPDATED MATINGS PART NUMBERS			
C11 ADDED NOTES			
AEL-E-11784007-571			
A. CALLEROS	J. GAGNON	JBIELAW2	



YAZAKI			
YAZAKI NORTH AMERICA 734-983-1000 6801 HAGGERTY RD. CANTON, MI 48187, USA			
ENG APP	SEE APPROVAL BOX	APP DATE	SEE APPROVAL BOX
Y230	7289-5519-30		

REFERENCE 32P FEMALE UNSEALED CONNECTOR SUB-ASSEMBLY			
MUST CONFORM TO: 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
X-SOLIDWORKS	TC	7289-5519-30-UF	IS MASTER
PLANT CODE	LINE CODE	OPER. NO.	STATION
N/A	N/A	N/A	N/A
PLANT NAME	DEPT NO.	DESIGN	SCALE
N/A	N/A	C. STOCK	2/1
TITLE / PART NAME			
(C8) SLV WIR CONN FEM			
DRAWING / PART NO.			
HUST-14489-LB			
FORD MOTOR COMPANY			

- NOTES:
- PARTS CONFORM TO THE ELECTRICAL CONNECTION SYSTEM DESIGN SPECIFICATION (SDS) RELEASED MAY 30, 2013 WITH THE FOLLOWING EXCEPTION:
 - 5B: CONNECTOR LOCK AUDIBLE AND TACTILE FEEDBACK = 4.16B
 - PARTS CONFORM TO USCAR-2, REV 6, FEBRUARY 2013, FOR COMPONENT TEMPERATURE CLASS 2 WITH THE FOLLOWING EXCEPTION:
 - SECTION 5.4.2: FORCE TO SERVICE: 5N MIN TO 51N MAX
 - MAXIMUM MATING FORCE FULLY POPULATED (1.5 GREASED, 1.642.8 UNGREASED) TIN TERMINALS = 75N
 - REFER TO YAZAKI HANDLING MANUAL YPES-15-1251 (0.64) AND YPES-15-569 (1.5/2.8) FOR TERMINAL EXTRACTION TOOL INFORMATION.
 - N/A
 - CONNECTOR IS RATED AS ERGONOMIC CLASS (3) BASED ON USCAR-25 REV 1.
 - N/A
 - PART AS RECEIVED AT THE FORD PLANT OR SERVICE PART PACKAGER / WAREHOUSE SHALL BE FREE OF ANY CORROSION ALIGNED WITH THE FORD CUSTOMER SERVICE DIVISION (FCSD) PACKAGING AND SHIPPING GUIDE. PACKAGING AND PROTECTIVE MATERIALS MUST PRESERVE THE INTENDED FUNCTION AND APPEARANCE OF THE PART.
 - CHANGES TO DESIGN, COMPOSITION OR PROCESSING OF THE PART PREVIOUSLY APPROVED FOR PRODUCTION REQUIRE PRIOR APPROVAL FROM FORD MOTOR COMPANY PRODUCT ENGINEERING. REFER TO ISO/TS 16949.
 - FOR CURRENT RELEASE STATUS, SEE THE WERS ENGINEERING NOTICE.
 - THIS DRAWING HAS BEEN PREPARED BY OR ON BEHALF OF FORD MOTOR COMPANY. FORD MOTOR COMPANY RETAINS ALL COMMON LAW, STATUTORY AND OTHER RESERVED RIGHTS. INCLUDING COPYRIGHTS. THIS DRAWING MUST NOT BE USED FOR ANY PURPOSE OTHER THAN PERFORMING SERVICES DIRECTLY OR INDIRECTLY TO FORD MOTOR COMPANY. WITHOUT THE EXPRESSED WRITTEN PERMISSION OF FORD MOTOR COMPANY, UNAUTHORIZED USE, COPYING OR MODIFICATION, INCLUDING THE REMOVAL OF THIS NOTE, MAY CONSTITUTE A VIOLATION OF CIVIL OR CRIMINAL LAWS ENFORCEABLE BY FORD OR GOVERNMENTAL AGENCIES.
 - N/A
 - THIS DIMENSION SHOWS THE PRE-SET POSITION OF THE TPA.
 - PART TO COMPLY WITH YPES-31-036 REQUIREMENTS.

YAZAKI NORTH AMERICA, INC.			
APPROVED	CHECKED	CHECKED	DRAWN
Jeremy Gagnon	James Litteck	Hector Avitia	Alejandro Calleros
DATE	DATE	DATE	DATE
2019.07.08	2019.07.08	2019.07.08	2019.07.08

GENERAL TOLERANCE		
	10MAX	50MAX
A	±0.15	±0.20
B	±0.20	±0.30
C	±0.30	±0.50