

Packing List for Initial Sample Parts Submission

CUSTOMER CONTACT MIGUEL MORALES

MOLD/DIE NUMBER TD078-2L DATE SENT 12/18/2020

PART NUMBER(S) 8240-0426 PART NAME(S) TER-US280F2L-SN

REASON FOR THIS PPAP

☐ New Tool / Program	☐ Material Change
☐ Additional Tool	☐ Mfg Location Change
☐ New Color (Not previously manuf.)	☐ Change of Subcontractor
☐ Raw Material Source Change	☒ Annual Validation
☐ Drawing Revision	☐ Other
☐ Design Change	

Check level of PPAP being submitted

ALL **S** items must be submitted, **R** items are retained

* Retain at appropriate location and submit to the customer upon request.

Level 1 ☐	Level 2 ☐	Level 3 ☐	Level 4 ☒	Level 5 ☐	Check actual submitted items	
S	S	S	S	R	☒	PART SUBMISSION WARRANT (PSW)
S	S	S	*	R	☒	DESIGN RECORD (NUMBERED DRAWING)
R	R	R	*	R	☐	DESIGN FMEA (PROPRIETARY--AVAILABLE FOR REVIEW ON SITE)
R	R	S	*	R	☐	PROCESS FLOW DIAGRAMS
R	R	S	*	R	☐	PROCESS FMEA
R	R	S	*	R	☐	PRE LAUNCH CONTROL PLAN
R	R	S	*	R	☐	CONTROL PLAN
R	R	S	*	R	☐	MEASUREMENT SYSTEM ANALYSIS STUDIES
R	S	S	*	R	☒	DIMENSIONAL RESULTS
R	S	S	*	R	☒	MATERIAL, PERFORMANCE TEST RESULTS
R	S	S	*	R	☐	MATERIAL SUPPLIER LAB / TS CERTIFICATIONS
R	R	S	*	R	☐	INITIAL PROCESS STUDY (CPK)
R	S	S	*	R	☐	QUALIFIED LABORATORY DOCUMENTATION
R	S	S	*	R	☐	SAMPLE PRODUCT
R	R	S	*	R	☐	RECORDS OF COMPLIANCE WITH CUSTOMER-SPECIFIC REQUIREMENTS
S	S	S	S	S	☐	ADVANCED NOTIFICATION OF INITIAL PRODUCTION PARTS (SEWS Only)
NA	NA	S	*	NA	☐	PACKING SPEC (SEWS Only)
R	S	S	*	R	☐	ENGINEERING CHANGE DOCUMENTS, IF APPLICABLE
R	S	S	*	R	☐	CUSTOMER ENGINEERING APPROVAL, IF APPLICABLE
S	S	S	*	R	☐	APPEARANCE APPROVAL REPORT (AAR), IF APPLICABLE

COMMENTS / NOTES

Melissa Manley 12/18/2020

PPAP Operator / SQA Coordinator / Date

QA Engineer / Above / Date

Technical drawing of a wire harness assembly, showing a table of dimensions and specifications, a cross-section diagram, and a detailed view of the crimping process.

Table 1: Dimensions and Specifications

14	13	12	11	10	9	8	7	6	5	4	3	2	1											
FORD PART NO.	SUPPLIER PART NO.	DESCRIPTION	GREASED Y/N	BASE MATERIAL	TOP PLATING MATERIAL	TOP PLATING THICKNESS (µm)	SUBSTRATE PLATING MATERIAL	SUBSTRATE PLATING THICKNESS (µm)	COPPER WEIGHT (g)	TOTAL WEIGHT (g)	MATERIAL THICKNESS (mm)	MAX AMBIENT TEMPERATURE (°C)	VIBRATION CLASS	CONDUCTOR MIN/MAX CSA (mm²)	INSULATION MIN/MAX OD (mm)	MATING PARTS FORD PART NO.	SUPPLIER PART NO.	W ₁ ±0.2 (mm)	W ₂ ±0.2 (mm)	H ₁ ±0.2 (mm)	H ₂ ±0.2 (mm)	R ₁ ±0.15 (mm)	R ₂ ±0.15 (mm)	L ±0.2 (mm)
EUST-14474-BAA	B240-0477	2.8mm UNSEALED FEMALE SS-TYPE	N	CAC60-H	Sn	0.8-1.5	Cu	MAX 0.3	0.52	0.52	0.3±0.02	125	V1	0.35	1.20-1.63	EUST-14421-HA	B230-5303	2.4	3.2	2.1	2.7	0.6	0.7	8.5
EUST-14474-EA	B240-0423	2.8mm UNSEALED FEMALE S-TYPE	N	CAC60-H	Sn	0.8-1.5	Cu	MAX 0.3	0.53	0.53	0.3±0.02	125	V1	0.5/1.0	1.40-2.10	EUST-1421-AA	B230-5257	3.2	3.8	2.8	3.2	0.9	0.875	
EUST-14474-FA	B240-0424	2.8mm UNSEALED FEMALE M-TYPE	N	CAC60-H	Sn	0.8-1.5	Cu	MAX 0.3	0.57	0.57	0.3±0.02	125	V1	1.5/2.5	2.09-3.00	EUST-14421-BA	B230-5258	4.2	4.7	3.7	4.0	1.25	1.125	9.6
EUST-14474-GA	B240-0425	2.8mm UNSEALED FEMALE L-TYPE	N	CAC60-H	Sn	0.8-1.5	Cu	MAX 0.3	0.59	0.59	0.3±0.02	125	V1	3.0	3.04-3.20	EUST-14421-CA	B230-5259	4.4	5.2	3.9	4.6	1.3	1.6	
EUST-14474-HA	B240-0426	2.8mm UNSEALED FEMALE XL-TYPE	N	CAC60-H	Sn	0.8-1.5	Cu	MAX 0.3	0.63	0.63	0.3±0.02	125	V1	5.0	3.40-3.88	EUST-14421-DA	B230-5260	5.7	6.4	5.3	5.8	1.7	2.0	
EUST-14474-JA	B240-0427	2.8mm UNSEALED FEMALE DOUBLE CRIMP	N	CAC60-H	Sn	0.8-1.5	Cu	MAX 0.3	0.59	0.59	0.3±0.02	125	V1	7.5/7.5 1.0/1.0	1.70-2.10	EUST-14421-DA	B230-5260	4.6	6.6	3.3	4.2	0.75	1.275	
EUST-14474-KB	B240-0518	2.8mm SEALED FEMALE S-TYPE	N	CAC60-H	Sn	0.8-1.5	Cu	MAX 0.3	0.53	0.53	0.3±0.02	125	V3	0.5/1.0	1.40-2.79	EUST-14421-AA	B230-5257	3.2	5.1	2.8	5.05	0.9	1.5	
EUST-14474-LB	B240-0519	2.8mm SEALED FEMALE M-TYPE	N	CAC60-H	Sn	0.8-1.5	Cu	MAX 0.3	0.57	0.57	0.3±0.02	125	V3	1.5/2.5	2.18-3.43	EUST-14421-BA	B230-5258	4.2	6.1	3.7	5.0	1.25	1.9	
EUST-14474-MB	B240-0430	2.8mm SEALED FEMALE L-TYPE	N	CAC60-H	Sn	0.8-1.5	Cu	MAX 0.3	0.59	0.59	0.3±0.02	125	V3	3.0	3.10-3.94	EUST-14421-CA	B230-5259	5.3	6.6	4.9	6.05	1.55	2.15	
EUST-14474-NB	B240-0620	2.8mm SEALED FEMALE S-TYPE WITH GREASE	Y(768G)	CAC60-H	Sn	0.8-1.5	Cu	MAX 0.3	0.53	0.53	0.3±0.02	125	V3	0.5/1.0	1.40-2.13	EUST-14421-AA	B230-5257	3.2	5.1	2.8	5.05	0.9	1.5	
EUST-14474-PB	B240-0621	2.8mm SEALED FEMALE M-TYPE WITH GREASE	Y(768G)	CAC60-H	Sn	0.8-1.5	Cu	MAX 0.3	0.57	0.57	0.3±0.02	125	V3	1.5/2.5	2.18-3.43	EUST-14421-BA	B230-5258	4.2	6.1	3.7	5.0	1.25	1.9	
EUST-14474-RB	B240-0622	2.8mm SEALED FEMALE L-TYPE WITH GREASE	Y(768G)	CAC60-H	Sn	0.8-1.5	Cu	MAX 0.3	0.59	0.59	0.3±0.02	125	V3	3.0	3.10-3.94	EUST-14421-CA	B230-5259	5.3	6.6	4.9	6.05	1.55	2.15	
EUST-14474-SB	B240-0520	2.8mm SEALED FEMALE S-TYPE AG PLATING	N	CAC60-H	Sn/Ag	0.8-1.5	Cu	MAX 0.3	0.53	0.53	0.3±0.02	150	V3/V5	0.5/1.0	1.40-2.79	EUST-14421-AA	B230-5257	3.2	5.1	2.8	5.05	0.9	1.5	
EUST-14474-TB	B240-0521	2.8mm SEALED FEMALE M-TYPE AG PLATING	N	CAC60-H	Sn/Ag	0.8-1.5	Cu	MAX 0.3	0.57	0.57	0.3±0.02	150	V3/V5	1.5/2.5	2.18-3.43	EUST-14421-BA	B230-5258	4.2	6.1	3.7	5.0	1.25	1.9	
EUST-14474-UA	B240-0436	2.8mm SEALED FEMALE L-TYPE AG PLATING	N	CAC60-H	Sn/Ag	0.8-1.5	Cu	MAX 0.3	0.59	0.59	0.3±0.02	150	V3/V5	3.0	3.11-3.94	EUST-14421-CA	B230-5259	5.3	6.6	4.9	6.05	1.55	2.15	

Table 2: CRIMP INFORMATION (FOR REFERENCE ONLY)

FORD PART NO. UNSEALED TERMINALS	WIRE TYPE / SPECIFICATION (DESIGN INTENT)	WIRE SIZE (AWG/mm²)	INSULATION OD MIN/MAX	CONDUCTOR CRIMP C.C.W ±0.05(mm) C.C.H ±0.05(mm)	INSULATION CRIMP C.C.W ±0.05(mm) C.C.H ±0.10(mm)	WIRE SEAL PART NO.	MAX AMBIENT TEMP	INSULATION OD MIN/MAX	STRIP LENGTH ±0.5(mm)	CONDUCTOR CRIMP C.C.W ±0.05(mm) C.C.H ±0.05(mm)	INSULATION CRIMP C.C.W ±0.10(mm) C.C.H ±0.10(mm)	NOTES
EUST-14474-BAA	TXL ESB-MIL123-A5 2TAD 3TAD ES-AUST-1A34B-AA	AWG 22 0.35mm²	1.47-1.63	1.7 0.95 2.5 1.8	1.7 0.95 2.5 1.8							
EUST-14474-EA	TXL ESB-MIL123-A5 2TBD 3TBD ES-AUST-1A34B-AA	AWG 20 0.5mm²	1.64-1.80	1.9 1.2 2.5 2.0	1.9 1.2 2.5 2.0							
EUST-14474-FA	TXL ESB-MIL123-A5 2TBD 3TBD ES-AUST-1A34B-AA	AWG 18 0.75mm²	1.96-2.02	1.9 1.3 2.5 2.1	1.9 1.3 2.5 2.1							
EUST-14474-GA	TXL ESB-MIL123-A5 2TBD 3TBD ES-AUST-1A34B-AA	AWG 16 1.0mm²	1.40-1.60	1.9 1.2 2.5 1.95	1.9 1.2 2.5 1.95							
EUST-14474-HA	TXL ESB-MIL123-A5 2TBD 3TBD ES-AUST-1A34B-AA	AWG 14 1.5mm²	1.70-1.90	1.9 1.25 2.5 2.1	1.9 1.25 2.5 2.1							
EUST-14474-JA	TXL ESB-MIL123-A5 2TBD 3TBD ES-AUST-1A34B-AA	AWG 12 2.0mm²	1.90-2.10	1.9 1.3 2.5 2.25	1.9 1.3 2.5 2.25							
EUST-14474-KB	TXL ESB-MIL123-A5 2TBD 3TBD ES-AUST-1A34B-AA	AWG 10 2.5mm²	2.09-2.25	2.35 1.5 3.15 2.5	2.35 1.5 3.15 2.5							
EUST-14474-LB	TXL ESB-MIL123-A5 2TBD 3TBD ES-AUST-1A34B-AA	AWG 8 4.0mm²	2.50-2.66	2.35 1.6 3.15 2.8	2.35 1.6 3.15 2.8							
EUST-14474-MB	TXL ESB-MIL123-A5 2TBD 3TBD ES-AUST-1A34B-AA	AWG 6 6.0mm²	2.20-2.40	2.35 1.55 3.15 2.6	2.35 1.55 3.15 2.6							
EUST-14474-NB	TXL ESB-MIL123-A5 2TBD 3TBD ES-AUST-1A34B-AA	AWG 4 16.0mm²	2.70-3.00	2.35 1.75 3.15 3.1	2.35 1.75 3.15 3.1							
EUST-14474-PB	TXL ESB-MIL123-A5 2TBD 3TBD ES-AUST-1A34B-AA	AWG 12 2.0mm²	3.04-3.20	2.75 1.9 3.75 3.25	2.75 1.9 3.75 3.25							
EUST-14474-RB	TXL ESB-MIL123-A5 2TBD 3TBD ES-AUST-1A34B-AA	AWG 10 3.72-3.88	3.72-3.88	5.0 3.35 2.15 4.3 4.05	5.0 3.35 2.15 4.3 4.05							
EUST-14474-SB	TXL ESB-MIL123-A5 2TBD 3TBD ES-AUST-1A34B-AA	AWG 8 4.0mm²	3.40-3.70	5.0 3.35 2.05 4.3 3.9	5.0 3.35 2.05 4.3 3.9							
EUST-14474-TB	TXL ESB-MIL123-A5 2TBD 3TBD ES-AUST-1A34B-AA	0.75mm²/0.75mm²	1.70-2.10	5.0 3.05 1.3 4.35 2.65	5.0 3.05 1.3 4.35 2.65							
EUST-14474-UA	TXL ESB-MIL123-A5 2TBD 3TBD ES-AUST-1A34B-AA	1.00mm²/1.00mm²		5.0 3.05 1.45 4.35 2.7	5.0 3.05 1.45 4.35 2.7							

Table 3: CRIMP INFORMATION (FOR REFERENCE ONLY) - OVAL CAVITY

FORD PART NO. SEALED TERMINALS	WIRE TYPE / SPECIFICATION (DESIGN INTENT)	WIRE SEAL PART NO.	WIRE SEAL TEMP T3/125°C	INSULATION OD MIN/MAX	CONDUCTOR CRIMP C.C.W ±0.05(mm) C.C.H ±0.05(mm)	INSULATION CRIMP C.C.W ±0.10(mm) C.C.H ±0.10(mm)	WIRE SEAL PART NO.	MAX AMBIENT TEMP	INSULATION OD MIN/MAX	STRIP LENGTH ±0.5(mm)	CONDUCTOR CRIMP C.C.W ±0.05(mm) C.C.H ±0.05(mm)	INSULATION CRIMP C.C.W ±0.10(mm) C.C.H ±0.10(mm)	NOTES
EUST-14474-KB	TWP ESB-MIL120-A TXL ESB-MIL123-A ES-AUST-1A34B-AA	AWG 20/0.5	BUST-14603-MA	1.40-2.13	5.0 1.90 1.20 3.40 4.10	AWG 20/0.5							
EUST-14474-LB	TWP ESB-MIL120-A TXL ESB-MIL123-A ES-AUST-1A34B-AA	AWG 18/1.0	BUST-14603-MA	2.18-2.90	5.0 1.90 1.30 3.40 4.20	AWG 18/1.0							
EUST-14474-PB	TWP ESB-MIL120-A TXL ESB-MIL123-A ES-AUST-1A34B-AA	AWG 16/1.3	BUST-14603-MA	2.18-2.90	5.0 2.30 1.50 4.10 4.10	AWG 16/1.3							
EUST-14474-TB	TWP ESB-MIL120-A TXL ESB-MIL123-A ES-AUST-1A34B-AA	AWG 14/2.0	BUST-14603-MA	2.18-2.90	5.0 2.30 1.80 4.20 4.35	AWG 14/2.0							
EUST-14474-RB	TWP ESB-MIL120-A TXL ESB-MIL123-A ES-AUST-1A34B-AA	2.5mm²	1W6T-14603-BA	2.70-3.00	5.0 2.35 1.75 4.25 4.45	2.5mm²							
EUST-14474-UA	TWP ESB-MIL120-A TXL ESB-MIL123-A ES-AUST-1A34B-AA				AWG 12								

Table 4: CRIMP INFORMATION (FOR REFERENCE ONLY) - ROUND CAVITY

FORD PART NO. SEALED TERMINALS	WIRE TYPE / SPECIFICATION (DESIGN INTENT)	WIRE SEAL PART NO.	WIRE SEAL TEMP T3/125°C	INSULATION OD MIN/MAX	CONDUCTOR CRIMP C.C.W ±0.05(mm) C.C.H ±0.05(mm)	INSULATION CRIMP C.C.W ±0.10(mm) C.C.H ±0.10(mm)	WIRE SEAL PART NO.	MAX AMBIENT TEMP	INSULATION OD MIN/MAX	STRIP LENGTH ±0.5(mm)	CONDUCTOR CRIMP C.C.W ±0.05(mm) C.C.H ±0.05(mm)	INSULATION CRIMP C.C.W ±0.10(mm) C.C.H ±0.10(mm)	NOTES
EUST-14474-KB	TWP ESB-MIL120-A TXL ESB-MIL123-A ES-AUST-1A34B-AA	AWG 20/0.5	BUST-14603-MA	1.40-2.13	5.0 1.90 1.20 3.40 4.10	AWG 20/0.5							
EUST-14474-LB	TWP ESB-MIL120-A TXL ESB-MIL123-A ES-AUST-1A34B-AA	AWG 18/1.0	BUST-14603-MA	2.18-2.90	5.0 1.90 1.30 3.40 4.20	AWG 18/1.0							
EUST-14474-PB	TWP ESB-MIL120-A TXL ESB-MIL123-A ES-AUST-1A34B-AA	AWG 16/1.3	BUST-14603-MA	2.18-2.90	5.0 2.30 1.50 4.10 4.10	AWG 16/1.3							
EUST-14474-TB	TWP ESB-MIL120-A TXL ESB-MIL123-A ES-AUST-1A34B-AA	AWG 14/2.0	BUST-14603-MA	2.18-2.90	5.0 2.30 1.80 4.20 4.35	AWG 14/2.0							
EUST-14474-RB	TWP ESB-MIL120-A TXL ESB-MIL123-A ES-AUST-1A34B-AA	2.5mm²	1W6T-14603-BA	2.70-3.00	5.0 2.35 1.75 4.25 4.45	2.5mm²							
EUST-14474-UA	TWP ESB-MIL120-A TXL ESB-MIL123-A ES-AUST-1A34B-AA				AWG 12								

Table 5: CRIMP INFORMATION (FOR REFERENCE ONLY) - ROUND CAVITY

FORD PART NO. SEALED TERMINALS	WIRE TYPE / SPECIFICATION (DESIGN INTENT)	WIRE SEAL PART NO.	WIRE SEAL TEMP T3/125°C	INSULATION OD MIN/MAX	CONDUCTOR CRIMP C.C.W ±0.05(mm) C.C.H ±0.05(mm)	INSULATION CRIMP C.C.W ±0.10(mm) C.C.H ±0.10(mm)	WIRE SEAL PART NO.	MAX AMBIENT TEMP	INSULATION OD MIN/MAX	STRIP LENGTH ±0.5(mm)	CONDUCTOR CRIMP C.C.W ±0.05(mm) C.C.H ±0.05(mm)	INSULATION CRIMP C.C.W ±0.10(mm) C.C.H ±0.10(mm)	NOTES
EUST-14474-KB	TWP ESB-MIL120-A TXL ESB-MIL123-A ES-AUST-1A34B-AA	AWG 20/0.5	BUST-14603-MA	1.40-2.13	5.0 1.90 1.20 3.40 4.10	AWG 20/0.5							
EUST-14474-LB	TWP ESB-MIL120-A TXL ESB-MIL123-A ES-AUST-1A34B-AA	AWG 18/1.0	BUST-14603-MA	2.18-2.90	5.0 1.90 1.30 3.40 4.20	AWG 18/1.0							
EUST-14474-PB	TWP ESB-MIL120-A TXL ESB-MIL123-A ES-AUST-1A34B-AA	AWG 16/1.3	BUST-14603-MA	2.18-2.90	5.0 2.30 1.50 4.10 4.10	AWG 16/1.3							
EUST-14474-TB	TWP ESB-MIL120-A TXL ESB-MIL123-A ES-AUST-1A34B-AA	AWG 14/2.0	BUST-14603-MA	2.18-2.90	5.0 2.30 1.80 4.20 4.35	AWG 14/2.0							
EUST-14474-RB	TWP ESB-MIL120-A TXL ESB-MIL123-A ES-AUST-1A34B-AA	2.5mm²	1W6T-14603-BA	2.70-3.00	5.0 2.35 1.75 4.25 4.45	2.5mm²							
EUST-14474-UA	TWP ESB-MIL120-A TXL ESB-MIL123-A ES-AUST-1A34B-AA				AWG 12								

Table 6: CRIMP INFORMATION (FOR REFERENCE ONLY) - ROUND CAVITY

FORD PART NO. SEALED TERMINALS	WIRE TYPE / SPECIFICATION (DESIGN INTENT)	WIRE SEAL PART NO.	WIRE SEAL TEMP T3/125°C	INSULATION OD MIN/MAX	CONDUCTOR CRIMP C.C.W ±0.05(mm) C.C.H ±0.05(mm)	INSULATION CRIMP C.C.W ±0.10(mm) C.C.H ±0.10(mm)	WIRE SEAL PART NO.	MAX AMBIENT TEMP	INSULATION OD MIN/MAX	STRIP LENGTH ±0.5(mm)	CONDUCTOR CRIMP C.C.W ±0.05(mm) C.C.H ±0.05(mm)	INSULATION CRIMP C.C.W ±0.10(mm) C.C.H ±0.10(mm)	NOTES
EUST-14474-KB	TWP ESB-MIL120-A TXL ESB-MIL123-A ES-AUST-1A34B-AA	AWG 20/0.5	BUST-14603-MA	1.40-2.13	5.0 1.90 1.20 3.40 4.10	AWG 20/0.5							
EUST-14474-LB	TWP ESB-MIL120-A TXL ESB-MIL123-A ES-AUST-1A34B-AA	AWG 18/1.0	BUST-14603-MA	2.18-2.90	5.0 1.90 1.30 3.40 4.20	AWG 18/1.0							
EUST-14474-PB	TWP ESB-MIL120-A TXL ESB-MIL123-A ES-AUST-1A34B-AA	AWG 16/1.3	BUST-14603-MA	2.18-2.90	5.0 2.30 1.50 4.10 4.10	AWG 16/1.3							
EUST-14474-TB	TWP ESB-MIL120-A TXL ESB-MIL123-A ES-AUST-1A34B-AA	AWG 14/2.0	BUST-14603-MA	2.18-2.90	5.0 2.30 1.80 4.20 4.35	AWG 14/2.0							
EUST-14474-RB	TWP ESB-MIL120-A TXL ESB-MIL123-A ES-AUST-1A34B-AA	2.5mm²	1W6T-14603-BA	2.70-3.00	5.0 2.35 1.75 4.25 4.45	2.5mm²							
EUST-14474-UA	TWP ESB-MIL120-A TXL ESB-MIL123-A ES-AUST-1A34B-AA				AWG 12								

Table 7: CRIMP INFORMATION (FOR REFERENCE ONLY) - ROUND CAVITY

FORD PART NO. SEALED TERMINALS	WIRE TYPE / SPECIFICATION (DESIGN INTENT)	WIRE SEAL PART NO.	WIRE SEAL TEMP T3/125°C	INSULATION OD MIN/MAX	CONDUCTOR CRIMP C.C.W ±0.05(mm) C.C.H ±0.05(mm)	INSULATION CRIMP C.C.W ±0.10(mm) C.C.H ±0.10(mm)	WIRE SEAL PART NO.	MAX AMBIENT TEMP	INSULATION OD MIN/MAX	STRIP LENGTH ±0.5(mm)	CONDUCTOR CRIMP C.C.W ±0.05(mm) C.C.H ±0.05(mm)	INSULATION CRIMP C.C.W ±0.10(mm) C.C.H ±0.10(mm)	NOTES
EUST-14474-KB	TWP ESB-MIL120-A TXL ESB-MIL123-A ES-AUST-1A34B-AA	AWG 20/0.5	BUST-14603-MA	1.40-2.13	5.0 1.90 1.20 3.40 4.10	AWG 20/0.5							
EUST-14474-LB	TWP ESB-MIL120-A TXL ESB-MIL123-A ES-AUST-1A34B-AA	AWG 18/1.0	BUST-14603-MA	2.18-2.90	5.0 1.90 1.30 3.40 4.20	AWG 18/1.0							
EUST-14474-PB	TWP ESB-MIL120-A TXL ESB-MIL123-A ES-AUST-1A34B-AA	AWG 16/1.3	BUST-14603-MA	2.18-2.90	5.0 2.30 1.50 4.10 4.10	AWG 16/1.3							
EUST-14474-TB	TWP ESB-MIL120-A TXL ESB-MIL123-A ES-AUST-1A34B-AA	AWG 14/2.0	BUST-14603-MA										

DaimlerChrysler



Production Part Approval Dimensional Test Results

ORGANIZATION: SUMITOMO ELECTRIC WIRING SYSTEMS						PART NUMBER: 8240-0426									
SUPPLIER/VENDOR CODE:						PART NAME: TER-US280F2L-SN									
NAME OF INSPECTION FACILITY:						DESIGN RECORD CHANGE LEVEL: EU5T-14474-EA H4 02/18/16									
Sumitomo Electric Wiring Systems Plt. 5						ENGINEERING CHANGE DOCUMENTS: NA									

ITEM	DIMENSION / SPECIFICATION	SPECIFICATION / LIMITS		TEST DATE	QTY. TESTED	ORGANIZATION MEASUREMENT RESULTS (DATA)								OK	NOT OK
1	5.70	-0.20	0.20	12/18/20	5	5.66	5.67	5.67	5.66	5.68					
2	1.70	-0.15	0.15			1.66	1.71	1.68	1.69	1.71					
3	6.40	-0.20	0.20			6.39	6.40	6.39	6.41	6.39					
4	2.00	-0.15	0.15			1.98	1.99	1.94	1.92	1.93					
5	4.30	-0.20	0.20			4.31	4.31	4.31	4.31	4.31					
6	2.95	-0.20	0.20			2.93	2.92	2.92	2.91	2.93					
7	19.50	-0.30	0.30			19.38	19.38	19.38	19.38	19.37					
8	8.50	-0.20	0.20			8.40	8.39	8.39	8.39	8.40					
9	8.00	-0.20	0.20			7.97	7.96	7.96	7.99	7.96					
10	3.80	-0.20	0.20			3.81	3.80	3.80	3.80	3.79					
11	2.00	-0.20	0.20			1.83	1.83	1.83	1.84	1.83					
12	1.20	-0.20	0.20			1.24	1.26	1.25	1.25	1.25					
13	2.50	-0.20	0.20			2.51	2.51	2.50	2.51	2.50					
14	2.00	-0.20	0.20			2.00	2.01	2.01	2.01	2.00					
15	15.20	-0.30	0.30			15.19	15.19	15.19	15.20	15.20					
16	3.50	-0.20	0.20			3.43	3.42	3.42	3.42	3.42					
	3.50	-0.20	0.20			3.43	3.42	3.44	3.37	3.39					
17	2.20	-0.20	0.20			2.23	2.23	2.24	2.21	2.22					
18	3.00	-0.20	0.20			3.08	3.08	3.09	3.07	3.08					

Blanket statements of conformance are unacceptable for any test results.

SIGNATURE

Melissa Manley

TITLE

PPAP Leader

DATE

12/18/2020

MESSRS

P. 2
2020/07/03 11:05:46ORDER
SHINSHO CORPORATION NAGOYA SHITEN

CERTIFICATE OF INSPECTION

No 2-3F4758- 20 (3)

CUSTOMER
SUMITOMO ELECTRIC WIRING SYSTEMS, INC.

COMMODITY TRCA60 STRIP

DATE 2020-07-03

099621

SPECIFICATION				MANUFACTURING No.		SIZE OF ARTICLE				ORDER QUANTITY		MASS		
5-4255C TRCA60 H				2-44308		0.3 X 33. X COIL								
TEST ITEM	TEST PIECE (mm)			TENSION TEST			HARD- NESS HV	SPRING LIMIT (T)	ELECT. CONDUCT % IACS	BENDING (T)	TIN (MICRO)		FEELING TEST	BENDING (L)
	G-LENGTH	THICKNESS	OPT. DIA OR WIDTH	TENSILE STRENGTH (N/MM ²)	YIELD STRENGTH (N/MM ²)	ELONGATION (%)					A	B		
CHARGE No. N1112 "														

We certify that these products meet your specific requirements and this statements are correct and accurate.

KOBELCO
KOBELCO STEEL, LTD.
CHOFU PLANT
14-1 MINATOMACHI CHOFU SHIMONOSHIRO JAPANManager of Quality Assurance Section *J. Brand*