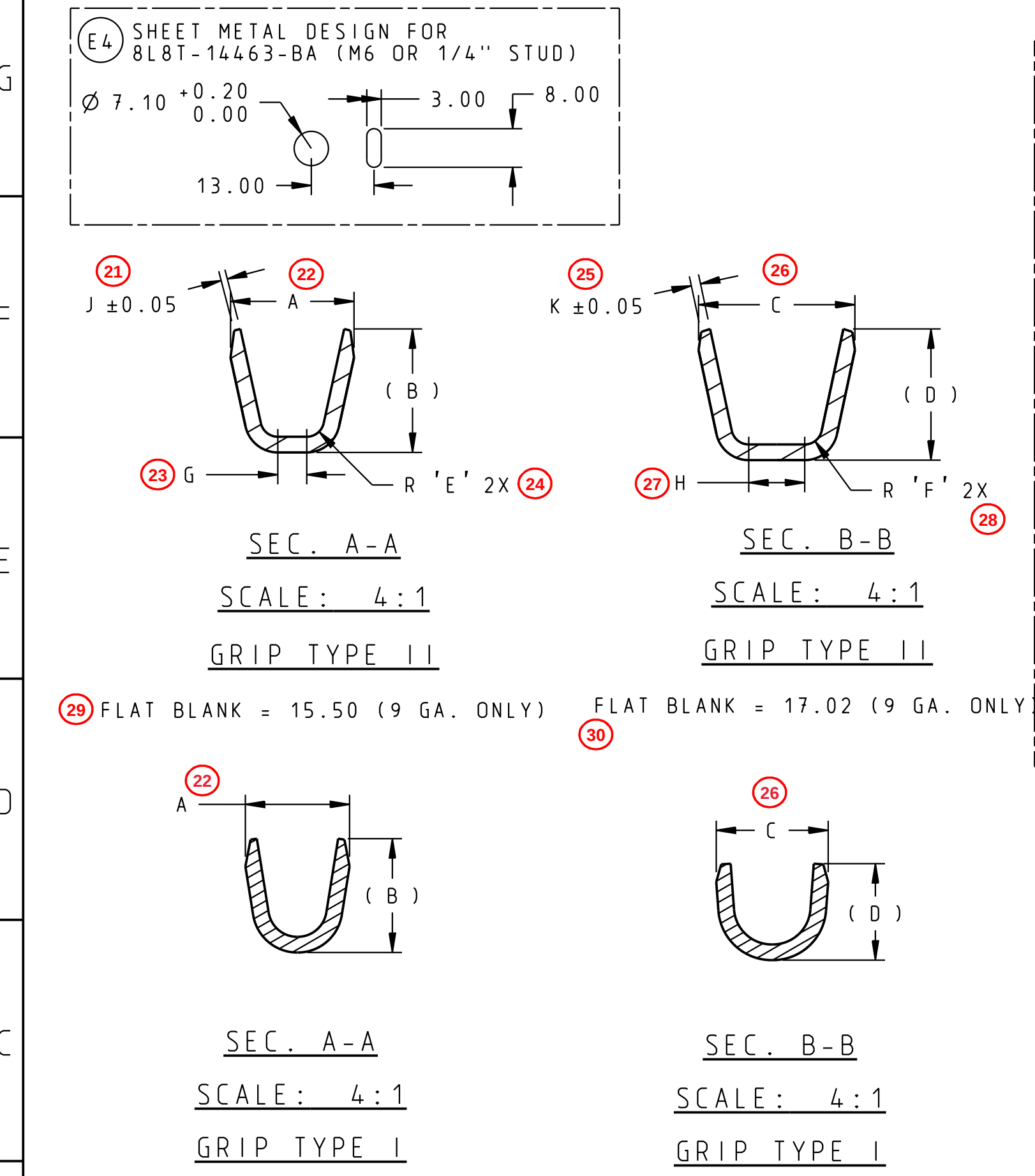
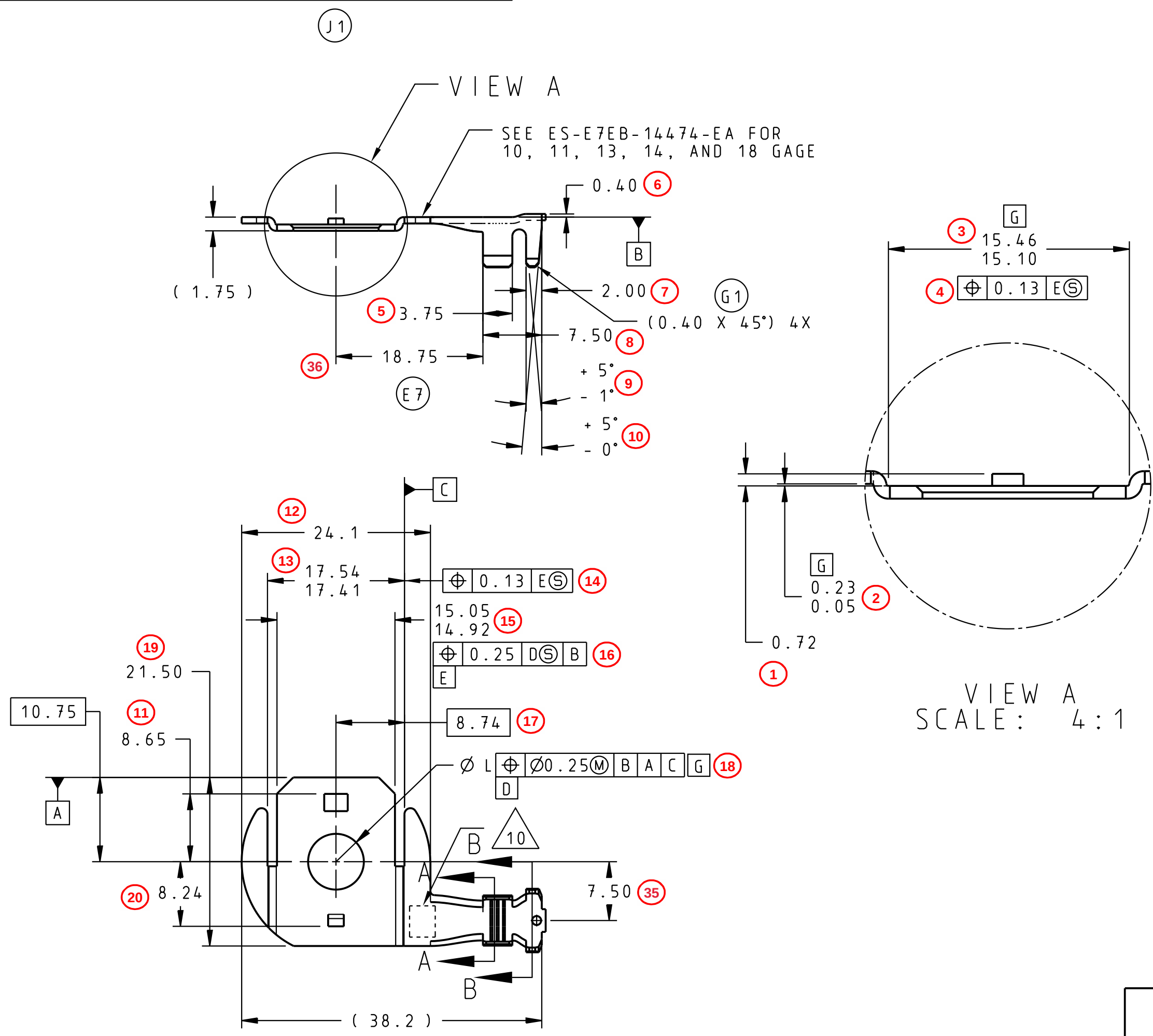


17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1
TERMINAL INFORMATION																
Ford Part No	Supplier Part No	Description	TRC(s)	Greased Y/N	Base Material	Plating Material	Plating Thickness	Copper Weight	Total Weight	Material Thickness	Material Hardness	Max Ambient Temperature	Conductor Min/Max CSA	Insulation Min/Max OD	Vibration Class	
2F1T-14463-CA	880928-B48	TRMNL-EYLT TYP LEFT HAND		N	C194000 CU	PRETIN			4.75	0.813±0.025		145°C	2.82/6.27	4.8/7.4		
2F1T-14463-AA	881028-B48	TRMNL-EYLT TYP LEFT HAND		N	C194000 CU	PRETIN			4.74	0.813±0.025		145°C	2.25/4.98	3.10/4.45		
1F1T-14463-BA	881128-B48	TRMNL-EYLT TYP LEFT HAND		N	C194000 CU	PRETIN			4.72	0.813±0.025		145°C	2.08/4.64	4.2/5.8		
3L8T-14463-CA	881328-B48	TRMNL-EYLT TYP LEFT HAND		N	C194000 CU	PRETIN			4.52	0.813±0.025		145°C	1.42/3.65	3.4/4.3		
1F1T-14463-CA	881428-B48	TRMNL-EYLT TYP LEFT HAND		N	C194000 CU	PRETIN			4.52	0.813±0.025		145°C	0.89/1.97	2.15/3.0		
2F1T-14463-BA	881828-B48	TRMNL-EYLT TYP LEFT HAND		N	C194000 CU	PRETIN			4.41	0.813±0.025		145°C	0.39/0.85	1.6/2.1		
8L8T-14463-BA	881828-Y48	TRMNL-EYLT TYP LEFT HAND		N	C194000 CU	PRETIN			4.47	0.813±0.025		145°C	0.39/0.85	1.6/2.1		
HU5T-14463-JA	880928-Y48	TRMNL-EYLT TYP LEFT HAND		N	C194000 CU	PRETIN			4.75	0.813±0.025		145°C	2.82/6.27	4.8/7.4		
HU5T-14463-HA	881028-Y48	TRMNL-EYLT TYP LEFT HAND		N	C194000 CU	PRETIN			4.74	0.813±0.025		145°C	2.25/4.98	3.10/4.45		
HU5T-14463-GA	881128-Y48	TRMNL-EYLT TYP LEFT HAND		N	C194000 CU	PRETIN			4.72	0.813±0.025		145°C	2.08/4.64	4.2/5.8		
HU5T-14463-KA	881328-Y48	TRMNL-EYLT TYP LEFT HAND		N	C194000 CU	PRETIN			4.52	0.813±0.025		145°C	1.42/3.65	3.3/4.3		
HU5T-14463-FA	881428-Y48	TRMNL-EYLT TYP LEFT HAND		N	C194000 CU	PRETIN			4.52	0.813±0.025		145°C	0.89/1.97	2.15/3.0		

TERMINAL CRIMP & GRIP REFERENCE TABLE												
FORD PART NO.	Lear Part Number	WIRE TYPE / SPECIFICATION (Design Intent)	WIRE SIZE	Metric (mm2)	Strip Length (mm)	Conductor Crimp Info		Insulation Crimp Info		Applicable Wire Seals	NOTES/ VALIDATION SOURCE	
						C.C.W. (MM) (±0.10)	C.C.H. (MM) (±0.05)	I.C.W. (MM) (±0.10)	I.C.H. (MM) (±0.10)	FORD PART NUMBER		
2F1T-14463-CA	880928-B48	ESB-M1L120-A OR ESB-M1L123-A OR ES-AU5T-1A348-A	12+18			5.05	3.15	8.00	3.90	NA		
2F1T-14463-AA	881028-B48		10			4.80	3.40	5.40	4.95	NA		
2F1T-14463-AA	881028-B48		12			4.85	3.25	5.40	4.40	NA		
1F1T-14463-BA	881128-B48		14+14			4.60	3.15	6.20	4.40	NA		
1F1T-14463-BA	881128-B48		12+20			4.60	2.95	6.20	4.40	NA		
1F1T-14463-BA	881128-B48		14+16			4.60	3.05	6.20	4.25	NA		
3L8T-14463-CA	881328-B48		16+18			4.10	2.50	6.00	3.50	NA		
1F1T-14463-CA	881428-B48		14			4.10	2.75	4.30	3.80	NA		
2F1T-14463-BA	881828-B48		18			3.75	2.30	3.40	2.80	NA		
3L8T-14463-CA	881328-B48		20+20			3.85	2.50	6.00	2.95	NA		
8L8T-14463-BA	881828-Y48		18			3.75	2.30	3.40	2.80	NA		
HU5T-14463-JA	880928-Y48		12+16	1.5+4.0, 6.0		5.05	3.05	8.00	4.25	NA		
HU5T-14463-HA	881028-Y48	12	4.0		4.85	3.25	5.40	4.40	NA			
HU5T-14463-GA	881128-Y48	14+14	2.5+1.5		4.60	3.15	6.20	4.40	NA			
HU5T-14463-KA	881328-Y48	16+18	2.5, 1.5+1.0		4.10	2.60	6.00	3.50	NA			
HU5T-14463-FA	881428-Y48	14	1.5		4.10	2.75	4.30	3.80	NA			



FORD P/N	LEAR P/N	ANTIROTATION TAB	GRIP TYPE	GRIP CODE	Ø"L"	"K"	"J"	"H"	"G"	"F"	"E"	"D"	"C"	"B"	"A"
HU5T-14463-KA	881328-Y48	YES	II	13	7.11	---	---	---	---	---	---	5.8	6.9	5.2	5.2
HU5T-14463-JA	880928-Y48	YES	II	9	7.11	0.49	0.33	2.9	1.5	1.8	0.9	6.6	9.4	6.9	7.0
HU5T-14463-FA	881428-Y48	YES	I	14	7.11	---	---	---	---	---	---	5.0	5.8	5.9	5.4
HU5T-14463-GA	881128-Y48	YES	II	11	7.11	---	---	---	---	---	---	6.8	8.1	6.4	6.4
HU5T-14463-HA	881028-Y48	YES	I	10	7.11	---	---	---	---	---	---	7.0	7.4	7.5	6.4
8L8T-14463-BA	881828-Y48	YES	I	18	7.11	---	---	---	---	---	---	4.2	5.0	5.0	4.5
3L8T-14463-CA	881328-B48	NO	II	13	7.11	---	---	---	---	---	---	5.8	6.9	5.2	5.2
2F1T-14463-CA	880928-B48	NO	II	9	7.11	0.49	0.33	2.9	1.5	1.8	0.9	6.6	9.4	6.9	7.0
2F1T-14463-BA	881828-B48	NO	I	18	7.11	---	---	---	---	---	---	4.2	5.0	5.0	4.5
1F1T-14463-CA	881428-B48	NO	I	14	7.11	---	---	---	---	---	---	5.0	5.8	5.9	5.4
1F1T-14463-BA	881128-B48	NO	II	11	7.11	---	---	---	---	---	---	6.8	8.1	6.4	6.4
2F1T-14463-AA	881028-B48	NO	I	10	7.11	---	---	---	---	---	---	7.0	7.4	7.5	6.4



- NOTES: UNLESS OTHERWISE SPECIFIED
- PART MUST CONFORM TO THE ELECTRICAL CONNECTION SYSTEM DESIGN SPECIFICATION (SDS) REV. 6.6, DATED 3/12/99
 - PART MUST CONFORM TO ES-F8DB-14A464-AA (TESTS 5.2.2, 6.4.3, 6.4.4, 6.6.4, 6.6.1, 6.6.2, 6.3.4, 6.3.3)
 - CRIMP DEVELOPMENT PER ES-3F2T-14474-AB
 - TESTS PERFORMED:
 - 5.2.2 - BEND RESISTANCE, SEC. 6.2.2
 - 6.4.3 - ENGAGE/DISENGAGE AND TORQUE ENGAGE/DISENGAGE
 - 6.4.4 - VIBRATION
 - 6.6.4 - SALT FOG RESISTANCE
 - 6.6.1 - THERMAL SHOCK
 - 6.6.2 - TEMPERATURE/HUMIDITY CYCLING
 - 6.3.4 - 1008 HOUR CURRENT CYCLING
 - 6.3.3 - MAXIMUM CURRENT RATING
 - CRIMP DEVELOPMENT PER ES-3F2T-14474-AB
 - MATERIAL: UNS-C194000
 - THICKNESS: 0.813±0.025
 - HARDNESS: FULL HARD (REF)
 - TENSILE: 60,000 - 70,000 PSI
 - FINISH: WSB-M1P11-B PRE-TIN PLATE EXCEPT THK. IS 3.8/8.9 MICROMETERS
 - FORD MOTOR COMPANY APPROVAL REQUIRED FOR ALL SOURCING AND TOOLING OF THIS PART
 - FOR ENGINEERING APPROVED SOURCE SEE ENGINEERING RELEASE
 - ENGINEERING APPROVAL OF SAMPLE FROM EACH SUPPLIER IS REQUIRED PRIOR TO AUTHORIZATION OF PART PRODUCTION
 - CHANGES IN DESIGN COMPOSITION OR PROCESSING FROM THE PART PREVIOUSLY APPROVED FOR PART PRODUCTION REQUIRES PRIOR ENGINEERING APPROVAL
 - GENERAL TOLERANCES: ±0.3 ALL ONE PLACE, ±0.15 ALL TWO PLACE
 - DIMENSIONS, ±3° ALL ANGULAR DIMENSIONS
 - 0.25 MAXIMUM RADIUS PERMISSIBLE ON EDGES AND FILLETS SHOWN SHARP
 - SOURCE IDENTIFICATION MARK, GRIP CODE AND PRODUCTION DATE CODE MUST BE PERMANENTLY APPLIED ON THE PART WITH 1.0 LETTER SIZE FROM THE BOTTOM TO THE TOP OF THE CHARACTER AND LEGIBLE WHEREVER PACKAGE SIZE PERMITS OR OTHER AGREEMENTS ARE MADE
 - DRAWING CONFORMS TO AVP-(T401/T486)-001 REV. A 16/FEB/99
 - [G] DENOTES GAGE DESIGN. GAGE DESIGNS MUST HAVE SIGNED ENGINEERING APPROVAL PRIOR TO CONSTRUCTION AND WILL BE A CONDITION OF FINAL PART APPROVAL
 - PARTS MUST MATE WITH 1F1T-14462-**, 2F1T-14462-**, OR 3L8T-14462-**

LTRS

REVISIONS

ORIGINATOR	CHECKER	ENGR APP	MATL APP
A1 RELEASE 1F1T-14463-BA AND 1F1T-14463-CA FOR PRODUCTION NB00-I-11090137-000 (RD) 2000/10/26			
M.PORTER	D.KULKARNI	MING LI	XXX
REMOVED REVISIONS B THRU H			
J1 3.3 WAS 3.4			
AELE-E-11793537-307 2022/04/27			
S.RAHMAN	G.BIDDINGER	M.BECKLEY	XXX

APPROVED

By MICHAEL PORTER at 11:12 am, Jun 07, 2022

LEAR CORPORATION

LEAR CORPORATION AUTOMOTIVE SYSTEMS

+1-248-447-1500

21557 TELEGRAPH ROAD

SOUTHFIELD, MI 48033

ENG APP	THURST	APP DATE	20210726
GSDB CODE	SUPPLIER PART NUMBER		

CHARTED

REFERENCE	M6 SONIC WELD EYELET TERMINAL				
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 IS MASTER		
K-CATIAS	TcE	1F1T-14463-BA-J.CAT0drawing			
PLANT CODE	LINE CODE	OPER. NO.	BT. NO.	STATION	SIZE
N/A	N/A	N/A	N/A	N/A	N/A
PLANT NAME	DEPT. NO.	DESIGN	SCALE	SHT	OF
N/A	5251	S.RAHMAN	2:1	1	1
TITLE/PART NAME					
TRMNL-EYLT TYP LEFT HAND					
DRAWING/PART NO.				N/A	
1F1T-14463-BA					
2F1T-14463-CA					
1F1T-14463-BA					
2F1T-14463-AA					

FORD MOTOR COMPANY

	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1
L	TERMINAL CRIMP TOOLING REFERENCE TABLE (For Reference Only)																
K	WIRE SIZE	FORD PART NO.	Lear Part Number	Conductor Crimp Tooling Reference Dimensions						Insulation Crimp Tooling Reference Dimensions							
				A (mm.) (±0.025)	B (mm.) (±0.025)	C (mm.) (ref)	D (mm.) (±0.025)	E (mm.) (ref)	F (mm.) (±0.05)	J (mm.) (±0.025)	K (mm.) (±0.025)	L (mm.) (ref)	M (mm.) (±0.025)	N (mm.) (ref)	P (mm.) (±0.05)		
J	12+18	2F1T-14463-CA	880928-B48	4.85	1.30	3.09	4.97	0.53	4.54	8.00	2.15	3.69	7.91	0.79	7.19		
	10	2F1T-14463-AA	881028-B48	4.65	1.25	2.90	4.77	0.52	4.36	5.20	1.39	3.75	5.27	0.58	4.81		
I	12	2F1T-14463-AA	881028-B48	4.65	1.25	2.90	4.77	0.52	4.36	5.20	1.39	3.75	5.27	0.58	4.81		
	14+14	1F1T-14463-BA	881128-B48	4.45	1.19	2.33	4.56	0.50	4.17	6.22	1.67	3.21	6.30	0.66	5.73		
H	12+20	1F1T-14463-BA	881128-B48	4.45	1.19	2.33	4.56	0.50	4.17	6.22	1.67	3.21	6.30	0.66	5.73		
	14+16	1F1T-14463-BA	881128-B48	4.45	1.19	2.33	4.56	0.50	4.17	6.22	1.67	3.21	6.30	0.66	5.73		
G	16+18	3L8T-14463-CA	881328-B48	3.95	1.06	2.08	4.00	0.48	3.67	6.00	1.61	2.50	5.81	0.63	5.29		
	14	1F1T-14463-CA	881428-B48	3.95	1.06	2.08	4.00	0.48	3.67	4.22	1.13	3.07	4.34	0.51	3.98		
F	18	2F1T-14463-BA	881828-B48	3.65	0.98	1.93	3.69	0.45	3.39	3.30	0.88	2.43	3.38	0.43	3.11		
	20+20	3L8T-14463-CA	881328-B48	3.75	1.01	2.45	3.84	0.45	3.52	6.00	1.61	2.50	5.81	0.63	5.29		
E	18	8L8T-14463-BA	881828-Y48	3.65	0.98	1.93	3.69	0.45	3.39	3.30	0.88	2.43	3.38	0.43	3.11		
	12+16	HU5T-14463-JA	880928-Y48	4.85	1.30	3.09	4.97	0.53	4.54	8.00	2.15	3.69	7.91	0.79	7.19		
D	12	HU5T-14463-HA	881028-Y48	4.65	1.25	2.90	4.77	0.52	4.36	5.20	1.39	3.75	5.27	0.58	4.81		
	14+14	HU5T-14463-GA	881128-Y48	4.45	1.19	2.33	4.56	0.50	4.17	6.22	1.67	3.21	6.30	0.66	5.73		
C	16+18	HU5T-14463-KA	881328-Y48	3.95	1.06	2.08	4.00	0.48	3.67	6.00	1.61	2.50	5.81	0.63	5.29		
	14	HU5T-14463-FA	881428-Y48	3.95	1.06	2.08	4.00	0.48	3.67	4.22	1.13	3.07	4.34	0.51	3.98		

