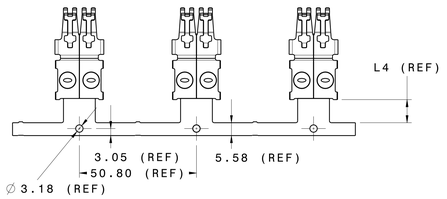
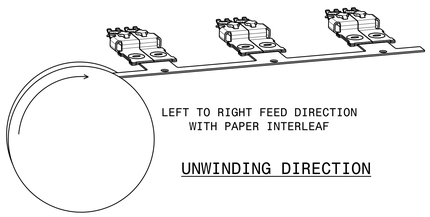
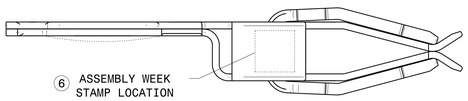


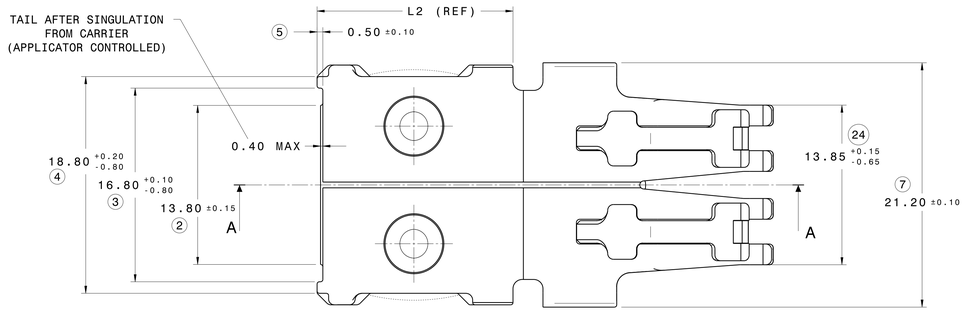
CARRIER DIMENSIONS
Scale: 1:1



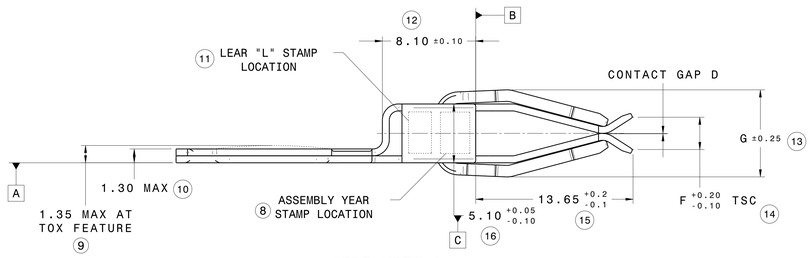
UNWINDING DIRECTION



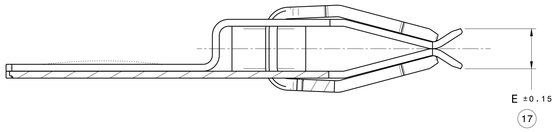
SIDE VIEW 2



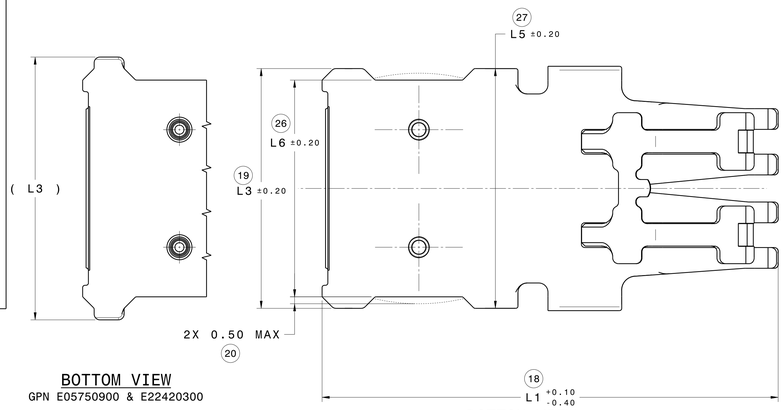
TOP VIEW



SIDE VIEW 1

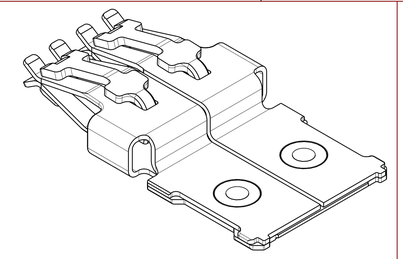


SECTION VIEW A-A

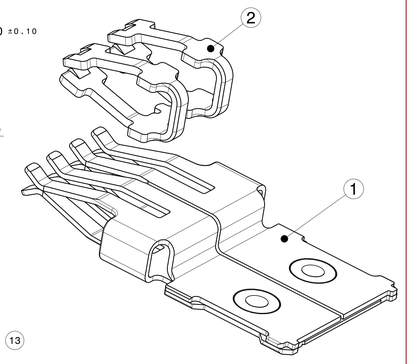


BOTTOM VIEW
GPN E05750900 & E22420300

BOTTOM VIEW



ISOMETRIC VIEW
Scale: 4:1



EXPLODED VIEW
Scale: 4:1

NOTES:

1. SPRING COMPONENT MUST BE FIRMLY ATTACHED TO THE BASE TERMINAL IN ASSEMBLY.
2. PLATING IN TERMINAL BASE CONTACT AREA: SILVER PLATING OVER NICKEL.
3. UNLESS OTHERWISE SPECIFIED ALL DRAWING VIEWS SHOW GPN 2B202011F, 14.5HC AXIAL TERMINAL TOXED (STANDARD BODY) AFTER SINGULATION FROM TERMINAL CARRIER.
4. FOR ULTRASONIC WELDING GUIDELINES, SEE USCAR 38. THE WELD VALIDATION MUST ALSO COMPLY WITH THE USCAR 38.
5. FOR TERMINAL BLADE CONFIGURATION SEE DRAWING D00061263.
6. FOR TERMINAL CAVITY, SEE LEAR 14.5HC AXIAL TERMINAL CAVITY SPECIFICATION D00537558 OR D00540794.

INTERFACE DIMENSIONS FOR INFORMATION ONLY

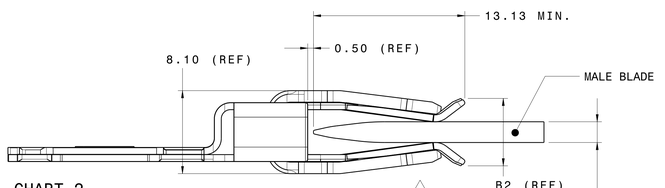
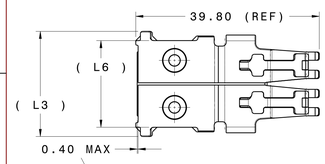


CHART 2

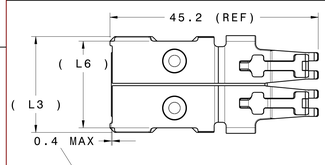
PART	BLADE DESCRIPTION	B1	B2	D
A	14.5mm X 1.2mm BLADE	1.2	5.0	0.00
B	14.5mm X 1.5mm BLADE	1.5	5.4	0.00
C	14.5mm X 1.8mm BLADE	1.8	5.9	0.80
D	14.5mm X 2.2mm BLADE	2.2	6.2	1.20

SEE 14.5MM BLADE DRAWING FOR REQUIRED DIMENSIONS AND TOLERANCES D00061263

INTERFACE TO BLADE



GPN E05750900, E22420300 & E39384400
Scale: 2:1
EXTENDED TAB



GPN 2B202021F
Scale: 2:1
EXTENDED BODY

CHART 1

ASSEMBLY GPN	ASSEMBLY DESCRIPTION	CONTACT GAP D	E	F	G	L1 +0.10/-0.40	L2 (REF)	L3 ±0.20	L4 (REF)	L5 ±0.20	L6 ±0.20	WIRE SIZE	BILL OF MATERIAL ITEM NUMBER	QTY	COMPONENT DESCRIPTION	MATERIAL
2B202011F	14.5HC AXIAL TOXED (STANDARD BODY)	0.00 +0.15 -0.00	3.49	2.80	7.55	39.80	17.00	20.80	10.00	20.80	18.80	≤ 70mm2	1	1	14.5HC TERMINAL BASE	C15100
													2	1	14.5HC TERMINAL SPRING	301SS
2B202021F	14.5HC AXIAL TOXED (EXTENDED BODY)	0.00 +0.15 -0.00	3.49	2.80	7.55	45.20	22.60	20.80	4.40	20.80	18.80	≤ 70mm2	1	1	14.5HC TERMINAL BASE	C15100
													2	1	14.5HC TERMINAL SPRING	301SS
E05750900	14.5HC AXIAL TOXED (EXTENDED TAB)	0.00 +0.15 -0.00	3.49	2.80	7.55	39.80	17.00	22.80	10.00	20.80	18.80	≤ 70mm2	1	1	14.5HC TERMINAL BASE	C15100
													2	1	14.5HC TERMINAL SPRING	301SS
E22420300	14.5HC AXIAL TOXED (EXTENDED TAB WITH CONTACT GAP)	0.80 ± 0.20	4.59	3.80	7.55	39.80	17.00	22.80	10.00	20.80	18.80	≤ 70mm2	1	1	14.5HC TERMINAL BASE	C15100
													2	1	14.5HC TERMINAL SPRING	301SS
E39384400	14.5HC AXIAL EXTENDED TAB WITH CONTACT GAP	1.20 ± 0.20	5.12	4.46	7.55	39.80	17.00	22.80	10.00	20.80	18.80	≤ 70mm2	1	1	14.5HC TERMINAL BASE	C15100
													2	1	14.5HC TERMINAL SPRING	301SS

REV.	ZONE	DESCRIPTION	CS/REL NO.	DATE	DESIGNER	CHECKER
AA	-	GPN 2B202010F WAS GPN 2EOLC013J GPN 2B202020F WAS GPN 2EOLC021J INITIAL RELEASE OF SALES DRAWING	RN15184	2010/02/22	BJN	BJN
AB	-	CHANGED ASSEMBLY DESCRIPTION 7.55-0.40 WAS 7.20 +0.35 -0.15 ADDED NOTCH TO CARRIER	RN16032	2010/06/06	BJN	BJN
AC	-	GPN 2B202011F WAS GPN 2B202010F GPN 2B202021F WAS GPN 2B202020F	RN18640	2010/12/01	BJN	BJN
AD	-	TOLERANCE CHANGE FOR L1 DIMENSION ADDED NEW ASSEMBLY E00374700 ADDED BLADE INTERFACE INFORMATION	RN25685	2012/04/12	ALS	ALS
AE	-	GPN 2B202011F.AE WAS 2B202011F.AD E02671200 WAS ADDED 13.85 +0.05/-0.25 WAS 13.85 ±0.15	RN32204	2014/05/10	PDC	PDC
AF	E5 H1 D1	DIM #15 WAS 13.85 DIM 45.2(REF) WAS 45.4(REF) UPDATED CHART 1	RN41466	2015/03/12	PRM	PRM
AG	E1 F3 D1,E3 F3 H2	ADDED E05750900 TO CHART 1 ADDED BOTTOM VIEW GPN E05750900 ADDED L3 DIMENSION GPN E05750900 VIEW ADDED	RN43943	2015/05/15	SR	SR
AH	B1 B1 C3 D1,E3 D5,D6	C15100 WAS C15100 3/4HD, t=0.60±0.02 301SS WAS 301SS FH, t=1.00±0.025 NOTE 1. NO SLIDING WAS NO ROCKING OR SLIDING L3 ±0.20 WAS L3 (5) & (22) TOL. +0.2/-0.1 WAS ±0.15	CS335898	2016/06/29	SR & DJP	SR & DJP
AJ	C3 D1	REVISED NOTE #4 REVISED CHART TO ADD WIRE SIZES DRAWING NO. WAS 2B20211F_SALES	CN-0108648	2019/01/09	D. PROBERT	S. RAHMAN
AK	F1,F5 D7	ADDED PART NUMBER E22420300 DIMENSION #24 WAS 13.85 (REF)	CN-0111046	2019/07/31	R. SAGARINO	S. RAHMAN
AL	G5	ADDED DIMENSION #25.	CN-0112322	2019/10/17	C. SOCO	S. RAHMAN
AM	H2	ADDED GPN E22420300 TO EXTENDED TAB FOR CLARIFICATION	CN-0113875	2020/04/03	C. SOCO	S. RAHMAN
AN	G2 E3 D1	ADDED GPN E27255700. REMOVED DIM 0.10 MIN & ADDED 0.50 MAX. ADDED CHARTED DIM L5, & L6. CHANGED WIRE SIZE TO 60 FOR ALL EXCEPT E27255700	CN-0114766	2020/07/15	R. SAGARINO	S. RAHMAN
AP	G5,C6 G3 F1	REVISED SPRING HEIGHT TOLERANCES. REMOVED GPN E27255700. ADDED NOTE TO CHART 2 CHARTED CONTACT GAP D	CN-0117546	2021/05/26	A.ABING	S. RAHMAN
AR	D7	13.85 +0.15/-0.65 WAS 13.85±0.15	CN-0117894	2021/06/25	R.SAGARINO	S. RAHMAN
AS	C3	REVISED NOTE #1. SPRING MATERIAL TEMPER CHANGED FROM 3/4 HARD TO 1/2 HARD.	CN-0120051	2022/02/10	M.PRENDOL	S. RAHMAN
AT	F1,H2 F1,E1 G4 D1	ADDED GPN E39384400. REVISED CHART 1 TO ADD DIM. D,E,F & G. ADDED DIM 13.13. 70mm2 WAS 60mm2.	CN-0123060	2022/12/01	M. PRENDOL	S. RAHMAN
AV	G3	REVISED CHART 2 TO ADD RECOMMENDED CONTACT GAP	CN-0125965	2023/07/12	J. MATUGAS	S. RAHMAN

ANGLE PROJECTION: NA	MATERIAL: SEE NOTES FINISH / SURFACE: SEE NOTES COLOR: N/A	WEIGHT CAD: N/A	VOLUME CAD: N/A
NOT USED: 1,21,22 23,25	SCALE: 5:1 START DATE: 2013/05/02 DRAWN: PDC APPROVERS: ENGR: S.RAHMAN CHECKER: A.BUTCHER APPROVER: B.RANGI (Digitally signed by Bhupinder Rangi DN: cn=Bhupinder Rangi, o=LEAR CORPORATION, ou=SEM, email=brangi@lear.com, c=US Date: 2023.07.12 08:54:57 -04'00')	LEAR CORPORATION E-SYSTEMS Power and Data Management 21557 TELEGRAPH ROAD SOUTHFIELD, MI 48033	TITLE: 14.5HC AXIAL TERMINAL ASSEMBLY
CAD DIRECTORY / LOCATION: SEM	DRAWING FILE NAME: 2B202011F-AV-DR01.CATDrawing MODEL FILE NAME: 2B202011F.CATProduct		
LAST UPDATE: 2023/07/12	SEM DOCUMENT ID / DRAWING NUMBER: 2B202011F	REV.: AV	SHEET: 1 OF 1 / TYPE: CG
LAST USED: 27	CONFIDENTIAL - THIS DOCUMENT IS OWNED BY LEAR CORPORATION AND IS NOT TO BE DISTRIBUTED OR DISSEMINATED IN ANY MANNER UNLESS EXPRESSLY AUTHORIZED IN WRITING BY LEAR CORPORATION.		

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