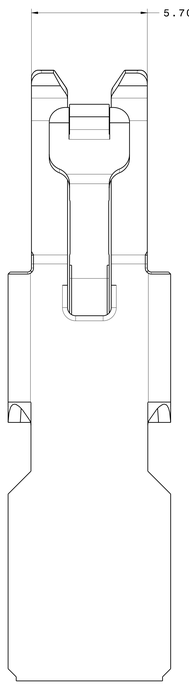
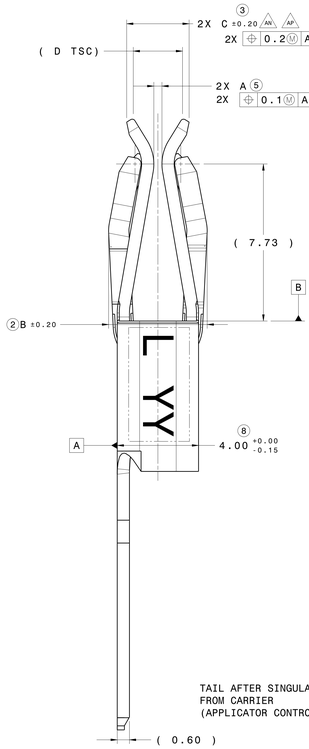
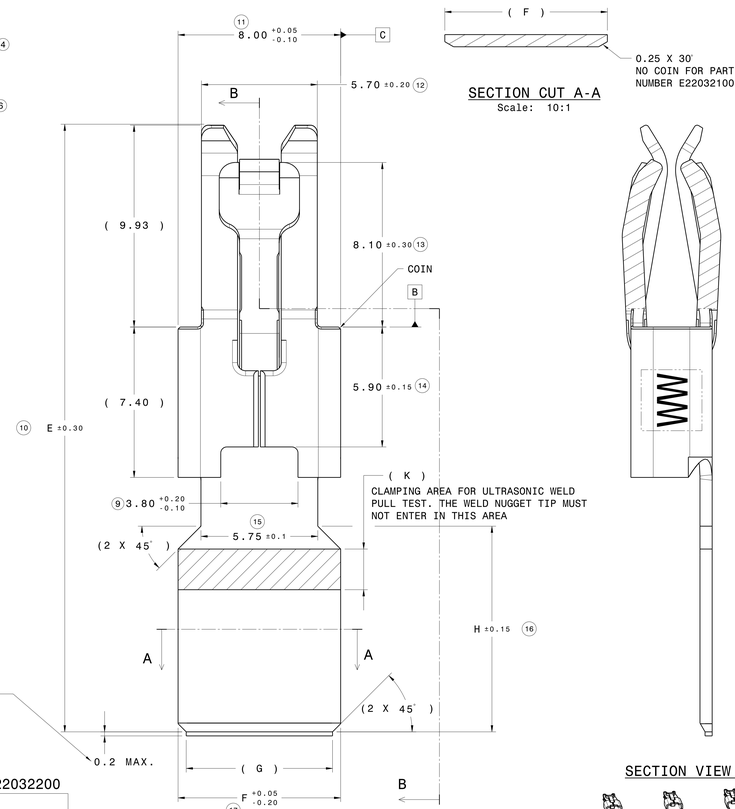
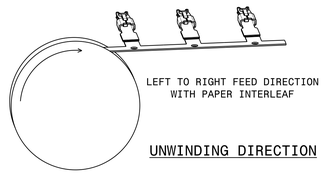






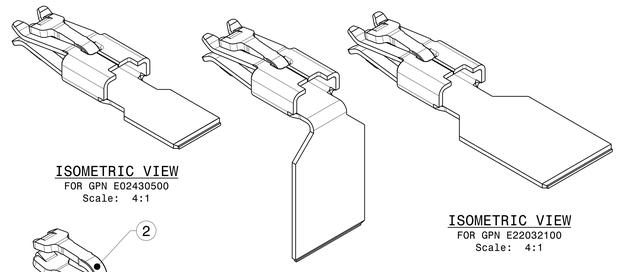
SECTION CUT A-A
Scale: 10:1

SECTION VIEW B-B



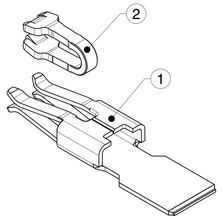
WINDING DIRECTION

UNWINDING DIRECTION



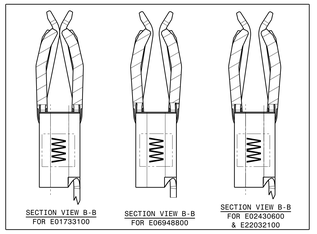
ISOMETRIC VIEW
FOR GPN E02430500
Scale: 4:1

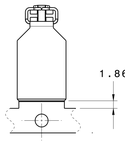
ISOMETRIC VIEW
FOR GPN E22032100
Scale: 4:1



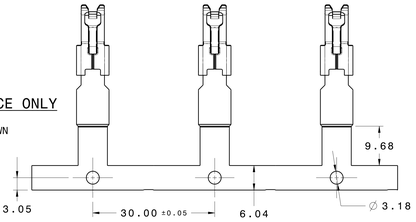
ISOMETRIC VIEW
FOR GPN E22032200
Scale: 4:1

EXPLODED VIEW
Scale: 4:1





CARRIER DIMENSIONS FOR REFERENCE ONLY
APPLICABLE FOR GPN E22032200 ONLY
SAME AS GPN E02430500 EXCEPT AS SHOWN
Scale: 2:1

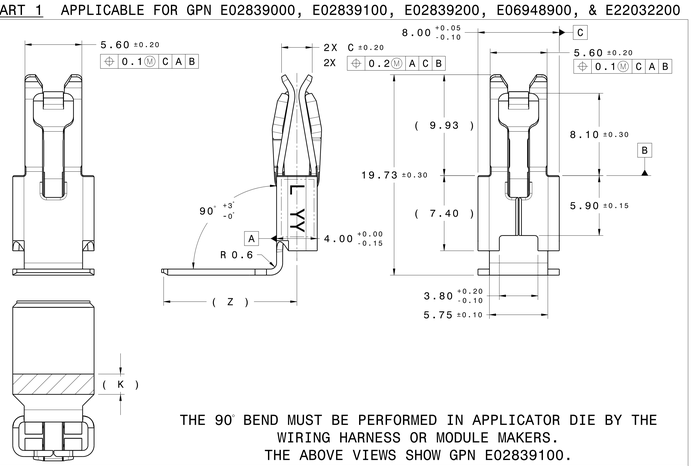


CARRIER DIMENSIONS FOR REFERENCE ONLY
APPLICABLE FOR GPN E02430500 ONLY
Scale: 2:1

NOTES:

1. GENERAL TOLERANCES
   1.1 ONE PLACE DIMENSIONS ± 0.20
   1.2 TWO PLACE DIMENSIONS ± 0.10
   1.3 ANGULAR DIMENSIONS ± 2°
2. BASE TERMINAL MATERIAL: COPPER ALLOY
   SPRING MATERIAL: STAINLESS STEEL
(19) 3. PLATING IN TERMINAL BASE CONTACT AREA: SELECTIVE SILVER PLATING OVER SULFAMATE NICKEL UNDERPLATING.
4. UNLESS OTHERWISE SPECIFIED ALL DRAWING VIEWS SHOW 6.3HC TERMINAL AFTER SINGULATION FROM TERMINAL CARRIER.
5. FOR ULTRASONIC WELDING GUIDELINES SEE USCAR 38. TERMINAL VALIDATION PER USCAR 2, ULTRASONIC WELDING VALIDATION PER USCAR 38.
(20) 6. LEAR "L" STAMP AND ASSEMBLY DATE STAMP WW = WEEK, YY = YEAR, MUST BE LOCATED ON THE SIDES OF THE BOX. TEXT MUST BE LEGIBLE.
7. COIN PERMISSIBLE AT THE SEAM AREA OF THE BOX.
(21) 8. SCORES USED TO HELP FORMING THE BOX ARE PERMISSIBLE. THE DEPTH OF THE SCORE NOT TO EXCEED 10% OF MATERIAL THICKNESS.
9. PART NUMBERS IN CHART 1 AND CHART 3 ARE APPLICATOR CONTROLLED, AND MUST BE PRODUCED AT THE WIRING HARNESS OR MODULE MAKER'S MANUFACTURING FACILITY BY PERFORMING THE REQUIRED BENDS SHOWN IN THOSE CHARTS.
10. PARTS MUST BE SHIPPED FREE FROM ANY MANUFACTURING AGENT (OILS, RESINS, WAXES, SOLVENTS, AND CHEMICALLY INDUCED OR AN EXTERNALLY DEPOSITED RESIDUES). NO DEBRIS (PLASTIC OR METAL) IS ALLOWED IN SHIPPING.
11. SHIPPING PACKAGE MUST NOT DAMAGE PRODUCT DURING TRANSIT.
12. UNLESS OTHERWISE SPECIFIED ALL DRAWING VIEWS SHOW GPN E02430500.
13. FOR TERMINAL CAVITY, SEE LEAR 6.3HC TERMINAL CAVITY SPECIFICATION D00452785
14. THE TERMINALS SHOWN ON THIS DRAWING ARE NOT RECOMMENDED FOR ANY GM APPLICATIONS.

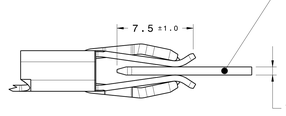
CHART 1 APPLICABLE FOR GPN E02839000, E02839100, E02839200, E06948900, & E22032200



THE 90° BEND MUST BE PERFORMED IN APPLICATOR DIE BY THE WIRING HARNESS OR MODULE MAKERS.
THE ABOVE VIEWS SHOW GPN E02839100.

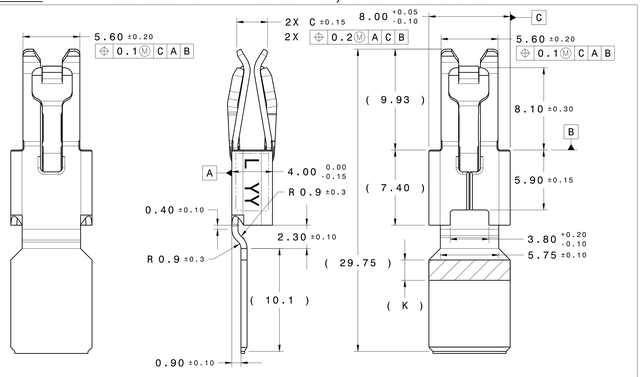
CHART 2

INTERFACE DIMENSIONS FOR INFORMATION ONLY AN



INTERFACE TO BLADE
Scale: 5:1

CHART 3 APPLICABLE FOR GPN E04524700, & E04615200 ONLY



THE FORMING MUST BE PERFORMED IN APPLICATOR DIE BY THE WIRING HARNESS OR MODULE MAKERS.
THE ABOVE VIEWS SHOW GPN E04524700

CHART 4

ASSEMBLY GPN	ASSEMBLY DESCRIPTION	WIRE SIZE (mm^2)	Dim. A MAX.	Dim. B	Dim. C	Dim. D	Dim. E	Dim. F	Dim. G	Dim. H	Dim. T	Dim. K	Dim. Z	BILL OF MATERIAL ITEM NUMBER	QTY	COMPONENT DESCRIPTION	MATERIAL
E01733100	6.3HC TERMINAL 0.80 MATING BLADE BEFORE BENDING	≤ 16	0.15	4.60	2.56 ±0.20	1.90	29.90	8.0	7.20	10.12	0.80	-	-	1	1	6.3HC TERMINAL BASE RA	COPPER ALLOY
														2	1	6.3HC TERMINAL SPRING	SS
E02839000	6.3HC TERMINAL 0.80 MATING BLADE AFTER BENDING	≤ 16	SAME AS E01733100 EXCEPT AS SHOWN IN CHART 1									2	13.12	SAME AS E01733100			
E02430500	6.3HC TERMINAL 0.80 MATING BLADE LOW INSERTION BEFORE BENDING	≤ 16	0.45	4.85	2.94 +0.20 -0.41	2.24	29.90	8.0	7.20	10.12	0.80	-	-	1	1	6.3HC TERMINAL BASE RA	COPPER ALLOY
														2	1	6.3HC TERMINAL SPRING	SS
E02839100	6.3HC TERMINAL 0.80 MATING BLADE LOW INSERTION AFTER BENDING	≤ 16	SAME AS E02430500 EXCEPT AS SHOWN IN CHART 1									2	13.12	SAME AS E02430500			
E04524700	6.3HC TERMINAL 0.80 MATING BLADE LOW INSERTION AFTER BENDING	≤ 16	SAME AS E02430500 EXCEPT AS SHOWN IN CHART 3									2		SAME AS E02430500			
E31269700	6.3HC TERMINAL 0.80 MATING BLADE LOW INSERTION BEFORE BENDING	16 - 35	0.45	4.85	2.94 ±0.20	2.24	37.72	12.0	11.20	17.94	0.80	-	-	1	1	6.3HC TERMINAL BASE RA	COPPER ALLOY
														2	1	6.3HC TERMINAL SPRING	SS
E31269900	6.3HC TERMINAL 0.80 MATING BLADE LOW INSERTION AFTER BENDING	16 - 35	SAME AS E31269700 EXCEPT AS SHOWN IN CHART 1									5	20.94	SAME AS E31269700			
E06948800	6.3HC TERMINAL 1.00 MATING BLADE LOW INSERTION BEFORE BENDING	≤ 16	0.60	4.86	3.23 ±0.20	2.53	29.90	8.0	7.20	10.12	1.00	-	-	1	1	6.3HC TERMINAL BASE RA	COPPER ALLOY
														2	1	6.3HC TERMINAL SPRING	SS
E06948900	6.3HC TERMINAL 1.00 MATING BLADE LOW INSERTION AFTER BENDING	≤ 16	SAME AS E06948800 EXCEPT AS SHOWN IN CHART 1									2	13.12	SAME AS E06948800			
E31269800	6.3HC TERMINAL 1.00 MATING BLADE LOW INSERTION BEFORE BENDING	16 - 35	0.60	4.86	3.23 ±0.20	2.53	37.72	12.0	11.20	17.94	1.00	-	-	1	1	6.3HC TERMINAL BASE RA	COPPER ALLOY
														2	1	6.3HC TERMINAL SPRING	SS
E31270000	6.3HC TERMINAL 1.00 MATING BLADE LOW INSERTION AFTER BENDING	16 - 35	SAME AS E31269800 EXCEPT AS SHOWN IN CHART 1									5	20.94	SAME AS E31269800			
E02430600	6.3HC TERMINAL 1.20 MATING BLADE LOW INSERTION BEFORE BENDING	≤ 16	0.80	5.07	3.51 ±0.20	2.82	29.90	8.0	7.20	10.12	1.20	-	-	1	1	6.3HC TERMINAL BASE RA	COPPER ALLOY
														2	1	6.3HC TERMINAL SPRING	SS
E02839200	6.3HC TERMINAL 1.20 MATING BLADE LOW INSERTION AFTER BENDING	≤ 16	SAME AS E02430600 EXCEPT AS SHOWN IN CHART 1									2	13.12	SAME AS E02430600			
E04615200	6.3HC TERMINAL 1.20 MATING BLADE LOW INSERTION AFTER BENDING	≤ 16	SAME AS E02430600 EXCEPT AS SHOWN IN CHART 3									2		SAME AS E02430600			
E22032100	6.3HC TERMINAL 1.20 MATING BLADE BEFORE BENDING	16-35	0.80	5.07	3.51 ±0.20	2.82	37.72	12.0	11.20	17.94	1.20	-	-	1	1	6.3HC TERMINAL BASE RA	COPPER ALLOY
														2	1	6.3HC TERMINAL SPRING	SS
E22032200	6.3HC TERMINAL 1.20 MATING BLADE AFTER BENDING	16-35	SAME AS E22032100 EXCEPT AS SHOWN IN CHART 1									5	20.94	SAME AS E22032100			

REV.	ZONE	DESCRIPTION	CS/REL NO.	DATE	DESIGNER	CHECKER
AA		RELEASE FOR PRODUCTION	CS 248170	2013/07/22	P.CASTELLANI	A.BUTCHER
AB		RELEASED DRAWING E02430500_CUS, WILL REPLACE DRAWINGS E01733100_SALES, E02430500_SALES, & E02430600_SALES. ADDED PART NUMBERS E01733100, E0283900, E02430600, & E02839200. DIMENSIONS CHARTED. ADDED (8.70), (060) AND CHART 2 REMOVED GD&T FROM 5.60 DIM (12.76) WAS 13.32 ±0.30	CS 282064	2014/06/11	P.CASTELLANI	A.BUTCHER
AC		ADDED GPN E04524700 & E04615200 ADDED BALLOONS TO DIMENSIONS ADDED CHART 3 ADDED MMC TO GD&T REVISED GAP DIMENSIONS	CS 300470	2014/11/12	P.CASTELLANI	A.BUTCHER
AD	E2 G8 C2-C3 C3 E3 A1 J4 E1 E1	CHART 4 DIMENSION B 4.60 WAS 4.53 AND 4.90 WAS 5.07 REMOVED NO BURRS ALLOWED NOTE REMOVED SPRING ATTACHMENT AND PART NUMBERS NOTES THEN RENUMBERED REMAINING NOTES WELDING SPECIFICATION D00422175 WAS DRAWING E00319200_WELD NICKEL PLATING SPEC ADDED TO NOTE E02430500C WAS E02430500_CUS 90° ∠ WAS 90° 2.94 WAS 2.89 3.51 WAS 3.46	CS 315478	2015/08/05	P.CASTELLANI	W.GLICK
AE	G1 C5 C3 C2-C3 E3	ADDED GPN E06948800 & E06948900 TO CHART 4 ADDED SECTION VIEW B-B FOR E06948800 REMOVED E02839100 FROM NOTE 7 ADDED NOTES 8 & 9 INTERFACE TO BLADE NOTE REVISED	CS 320360	2015/12/02	P.CASTELLANI	W.GLICK
AF	E7 F2 D4 E1	ADDED COIN. REVISED WIRE SIZE. ADDED GENERAL TOLERANCES NOTE. 5.07mm SPRING HEIGHT FOR 0.80mm GAP VERSION WAS 4.90mm.	CS 345493	2018/01/26	C. SOOD	S. RAHMAN
AG	C3,C2 C3	REVISED NOTE #5 & #10. ADDED NOTE #2.	CN-0108264	2018/11/27	R. SAGARINO	S. RAHMAN
AH	C3	ADDED NOTE #12.	CN-0110832	2019/06/12	C. SOOD	S. RAHMAN
AJ	G1 D8 C3 E8	ADDED PART NUMBERS E22032000, E22032100, AND E22032200 FOR LARGER WIRES. COIN MADE OPTIONAL. ADDED NOTE #13. ADDED SECTION A-A. ADDED CHARTED DIMENSIONS.	CN-0110606	2019/06/13	R. SAGARINO	S. RAHMAN
AK	D3,E8 D5 C7 B8 J3,F6, H1,D3	REVISED MATING BLADE NOTE & COIN NOTE. ADDED CARRIER VIEW FOR GPN E22032200. ADDED ISO VIEW FOR GPN E22032200, & E22032100. ADDED CHARTED DIM. K, CLAMPING AREA FOR ULTRASONIC WELD PULL TEST.	CN-0113329	2020/02/09	C. SOOD	S. RAHMAN
AL	C4,C3 H3,H1 F2 E2	REVISED NOTE #5 AND #9. REVISED NOTES IN CHART 1 AND 3 FOR CLARIFICATION. 0.45 WAS 0.40 FOR DIM. A OF GPN E02430500. 4.85 WAS 4.81 FOR DIM. B OF GPN E02430500.	CN-0115321	2020/09/02	R. SAGARINO	S. RAHMAN
AM	G1,G2	ADDED GPN E31269700, E31269800, E31269900, & E31270000.	CN-0117410	2021/05/05	R. SAGARINO	S. RAHMAN
AN	G2,H8 D3,E4	DIM. C TOL. FOR PART NUMBER E02430500 WAS ±0.20. REVISED BLADE INTERFACE NOTE & NOTE 10.	CN-0124555	2023/03/23	J. MATUSAS	S. RAHMAN
AP	H8	DIM C TOL. CHANGED BACK TO ORIGINAL AND CORRECTED MISLOCATED DIMENSION LINES.	CN-0129763	2024/05/09	M. PRENDOL	S. RAHMAN

ANGLE PROJECTION: NA	MATERIAL: SEE NOTES FINISH / SURFACE: SEE NOTES COLOR: SEE NOTES	WEIGHT CAD: N/A	VOLUME CAD: SEE NOTES

NOT USED: 7,18

SCALE: 10:1
START DATE: 2013/03/12
DRAWN: P CASTELLANI
APPROVERS: ENGR: S.RAHMAN; CHECKER: A.BUTCHER; APPROVER: B.RANGI

LEAR CORPORATION — E-SYSTEMS — 21557 TELEGRAPH ROAD SOUTHFIELD, MI 48033

TITLE: 6.3HC RA WITHOUT POLARIZATION CODES TERMINAL ASSY_CUSTOMER

DWG FILE NAME: E02430500-AP_DR00.CATDrawing
CAD DIRECTORY / LOCATION: SEM
MODEL FILE NAME: E02430500-AA_M000.CATProduct

LAST UPDATE	SEM DOCUMENT ID / DRAWING NUMBER	REV.	SHEET	OF	TYPE
2024/05/09	E02430500	AP	1	1	CG

LAST USED: 22

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