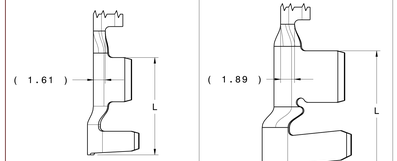
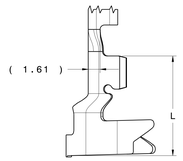
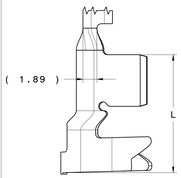


SIDE VIEW
Scale: 4:1
GRIP SIZE 2.5-4mm²

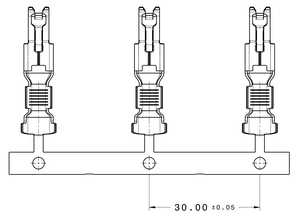
SIDE VIEW
Scale: 4:1
GRIP SIZE 12-16mm²



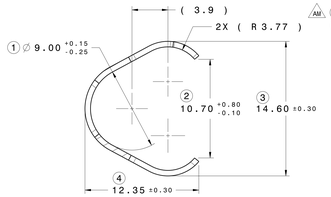
SIDE VIEW
SCALE: 4:1
GRIP SIZE 2.5-4 mm²
WITH CABLE SEAL



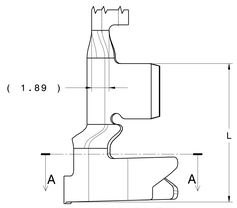
SIDE VIEW
Scale: 2:1
GRIP SIZE 12-16 mm²
WITH CABLE SEAL



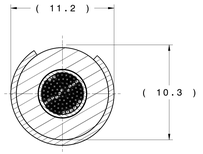
CARRIER DIMENSIONS FOR REFERENCE ONLY
Scale: 2:1



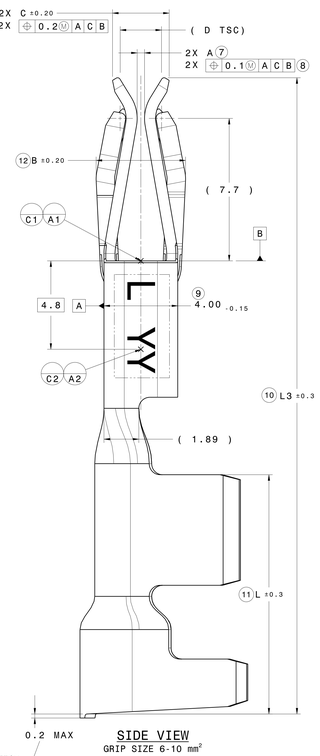
SECTION VIEW A-A
SCALE: 5:1



SIDE VIEW
SCALE: 5:1
GRIP SIZE 6-10 mm²
WITH CABLE SEAL
UNLESS OTHERWISE SPECIFIED
ALL DIMENSIONS MUST BE SAME
AS GRIP 6-10 mm ²
WITHOUT CABLE SEAL.

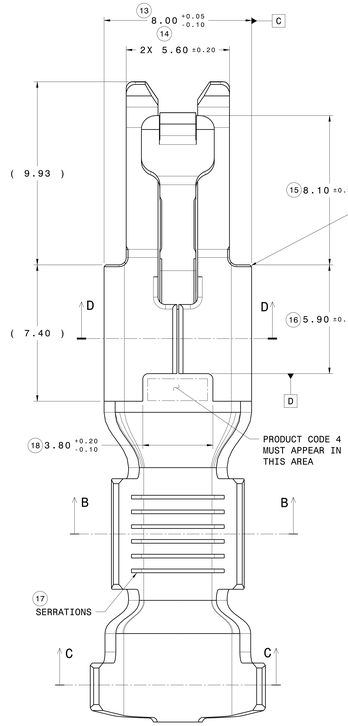


SECTION X-X
SCALE: 5:1
INSULATION CRIMP
FOR 10mm² WIRE

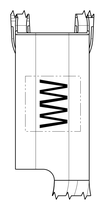


SIDE VIEW
GRIP SIZE 6-10 mm²

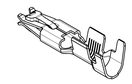
TAIL AFTER SINGULATION
FROM CARRIER
(APPLICATOR CONTROLLED)



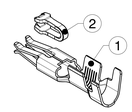
TOP VIEW



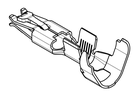
SIDE VIEW



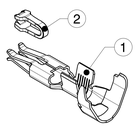
ISOMETRIC VIEW
Scale: 2:1



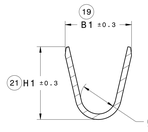
EXPLODED VIEW
Scale: 2:1



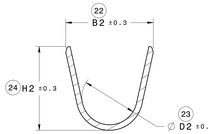
ISOMETRIC VIEW
OF CABLE SEAL VERSION
Scale: 2:1



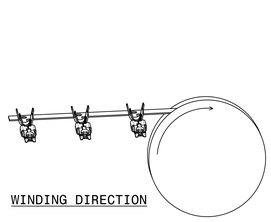
EXPLODED VIEW
OF CABLE SEAL VERSION
Scale: 2:1



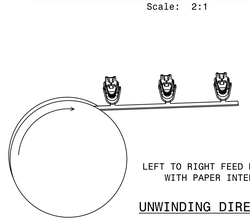
SECTION CUT B-B
Scale: 5:1



SECTION CUT C-C
Scale: 5:1



WINDING DIRECTION



LEFT TO RIGHT FEED DIRECTION
WITH PAPER INTERLEAF

UNWINDING DIRECTION

INTERFACE DIMENSIONS FOR INFORMATION ONLY

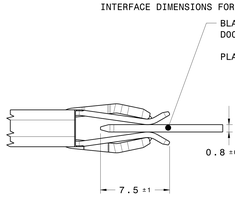
BLADE INTERFACE PER LEAR BLADE SPECIFICATION D00430475.

PLATING:

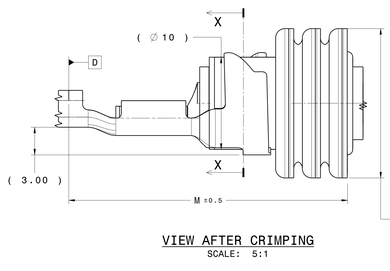
AK

(I) SILVER PLATING: ELECTROPLATED SILVER 3.m MINIMUM OVER 1-1.5.m THICK SULFAMATE NICKEL. SILVER PLATING PER ASTM B700; TYPE I; GRADE D; CLASS T, WITH ANTI-TARNISH COATING OF TARNIBAN KSII POST TREATMENT. NICKEL PLATING PER ASTM B689; TYPE I; CLASS X; STANDARD MATTE FINISH.

(II) TIN PLATING: ELECTROPLATED LEAD-FREE TIN 2.5-7.5 .m THICK MATTE FINISH OVER 1.27µm MINIMUM THICK COPPER FLASH. TIN PLATING PER ASTM B545; CLASS A, EXCEPT THE PLATING TO BE REFLOW TIN.



INTERFACE TO BLADE
Scale: 5:1



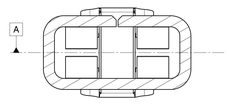
VIEW AFTER CRIMPING
SCALE: 5:1

RECOMMENDED TERMINAL
CAVITY DIAMETER IS 15.4 ±0.1

CHART 2

CABLE SEAL PART NO.	WIRE SIZE	COLOR
320455AQH	2.5 mm² WIRE INSULATION OD 2.7-3.0	LIGHT GREEN
320455AA4	4.0 mm² WIRE INSULATION OD 3.4-3.8	ORANGE
320455AA6	6.0 mm² WIRE INSULATION OD 4.0-4.5	DARK BLUE
3299573W9	8.0 mm² WIRE INSULATION OD 4.6-5.3	LIGHT BLUE
320455A93	10.0 mm² WIRE INSULATION OD 5.8-6.6	WHITE
320455A93	16.0 mm² WIRE INSULATION OD 6.4-7.2	WHITE

AL



SECTION VIEW D-D
(ORIENTATION CODE A)

CHART 1

Assembly GPN	Description	GRIP SIZE mm²	NO. OF SERRATION	PLATING	DIMENSION A MAXIMUM	DIMENSION B	DIMENSION C	DIMENSION D	Dimension B1	Dimension B2	Dimension D1	Dimension D2	Dimension H1	Dimension H2	Dimension L	Dimension L3	Dimension M
E04756100	6.3HC TERMINAL 2.5-4 mm² GRIP 0.80 BLADE LOW INSERTION	2.5-4	4	TIN	0.45	4.85	2.94	2.24	4.9	7.0	2.5	4.0	5.2	7.0	13.0	34.6	-
E04756300	6.3HC TERMINAL 2.5-4 mm² GRIP 0.80 BLADE LOW INSERTION	2.5-4	4	SILVER	0.45	4.85	2.94	2.24	4.9	7.0	2.5	4.0	5.2	7.0	13.0	34.6	-
E04756500	6.3HC TERMINAL 6-10 mm² GRIP 0.80 BLADE LOW INSERTION	6-10	6	TIN	0.45	4.85	2.94	2.24	7.2	9.5	3.8	6.0	7.9	9.1	13.0	34.6	-
E04756800	6.3HC TERMINAL 6-10 mm² GRIP 0.80 BLADE LOW INSERTION	6-10	6	SILVER	0.45	4.85	2.94	2.24	7.2	9.5	3.8	6.0	7.9	9.1	13.0	34.6	-
E04757000	6.3HC TERMINAL 12-16 mm² GRIP 0.80 BLADE LOW INSERTION	12-16	7	TIN	0.45	4.85	2.94	2.24	9.0	13.0	5.0	7.6	9.6	12.1	16.0	37.6	-
E04757200	6.3HC TERMINAL 12-16 mm² GRIP 0.80 BLADE LOW INSERTION	12-16	7	SILVER	0.45	4.85	2.94	2.24	9.0	13.0	5.0	7.6	9.6	12.1	16.0	37.6	-
E04855100	6.3HC TERMINAL 2.5-4 mm² GRIP WITH CABLE SEAL & 0.80 MATING BLADE LOW INSERTION	2.5-4	4	TIN	0.45	4.85	2.94	2.24	4.9	-	2.5	-	5.2	-	13.5	35.1	28.42
E04855500	6.3HC TERMINAL 2.5-4 mm² GRIP WITH CABLE SEAL & 0.80 MATING BLADE LOW INSERTION	2.5-4	4	SILVER	0.45	4.85	2.94	2.24	4.9	-	2.5	-	5.2	-	13.5	35.1	28.42
E04855800	6.3HC TERMINAL 6-10 mm² GRIP WITH CABLE SEAL & 0.80 MATING BLADE LOW INSERTION	6-10	6	TIN	0.45	4.85	2.94	2.24	7.2	-	3.8	-	7.9	-	15.0	36.6	29.92
E04856100	6.3HC TERMINAL 6-10 mm² GRIP WITH CABLE SEAL & 0.80 MATING BLADE LOW INSERTION	6-10	6	SILVER	0.45	4.85	2.94	2.24	7.2	-	3.8	-	7.9	-	15.0	36.6	29.92
E04856400	6.3HC TERMINAL 12-16 mm² GRIP WITH CABLE SEAL & 0.80 MATING BLADE LOW INSERTION	12-16	7	TIN	0.45	4.85	2.94	2.24	9.0	-	5.0	-	9.6	-	16.0	37.6	30.92
E04856900	6.3HC TERMINAL 12-16 mm² GRIP WITH CABLE SEAL & 0.80 MATING BLADE LOW INSERTION	12-16	7	SILVER	0.45	4.85	2.94	2.24	9.0	-	5.0	-	9.6	-	16.0	37.6	30.92

32

BILL OF MATERIAL

ITEM NUMBER	QTY	COMPONENT DESCRIPTION	MATERIAL
1	1	6.3HC TERMINAL BASE	COPPER ALLOY
2	1	6.3HC TERMINAL SPRING	SS
1	1	6.3HC TERMINAL BASE	COPPER ALLOY
2	1	6.3HC TERMINAL SPRING	SS
1	1	6.3HC TERMINAL BASE	COPPER ALLOY
2	1	6.3HC TERMINAL SPRING	SS
1	1	6.3HC TERMINAL BASE	COPPER ALLOY
2	1	6.3HC TERMINAL SPRING	SS
1	1	6.3HC TERMINAL BASE	COPPER ALLOY
2	1	6.3HC TERMINAL SPRING	SS
1	1	6.3HC TERMINAL BASE	COPPER ALLOY
2	1	6.3HC TERMINAL SPRING	SS
1	1	6.3HC TERMINAL BASE	COPPER ALLOY
2	1	6.3HC TERMINAL SPRING	SS
1	1	6.3HC TERMINAL BASE	COPPER ALLOY
2	1	6.3HC TERMINAL SPRING	SS
1	1	6.3HC TERMINAL BASE	COPPER ALLOY
2	1	6.3HC TERMINAL SPRING	SS
1	1	6.3HC TERMINAL BASE	COPPER ALLOY
2	1	6.3HC TERMINAL SPRING	SS
1	1	6.3HC TERMINAL BASE	COPPER ALLOY
2	1	6.3HC TERMINAL SPRING	SS
1	1	6.3HC TERMINAL BASE	COPPER ALLOY
2	1	6.3HC TERMINAL SPRING	SS

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

29 3. PLATING IN TERMINAL BASE CONTACT AREA: SELECTIVE PLATING SILVER OVER NICKEL UNDERPLATING, OR TIN PLATING OVER COPPER FLASH.
   THE GRIP AREA ARE EITHER TIN, OR SILVER PLATED.

30 4. PARTS MUST BE SHIPPED FREE FROM ANY MANUFACTURING AGENT (CUTTING FLUIDS, OILS, RESINS, WAXES, SOLVENTS, AND CHEMICALLY INDUCED OR EXTERNALLY DEPOSITED RESIDUES). NO DEBRIS (PLASTIC, METAL) ALLOWED IN SHIPPING PACKAGE.

5. SHIPPING PACKAGING MUST NOT DAMAGE PRODUCT DURING TRANSIT.

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.

8. SCORES USED TO HELP FORMING THE BOX ARE PERMISSIBLE. THE DEPTH OF SCORE NOT TO EXCEED 10% OF MATERIAL THICKNESS.

9. UNLESS OTHERWISE SPECIFIED ALL DRAWING VIEWS SHOW TERMINAL AFTER SINGULATION FROM CARRIER.

31 10. UNLESS OTHERWISE SPECIFIED ALL DRAWING VIEWS SHOW GPN E04756500 & E04756800 (6-10mm²).

11. FOR TERMINAL CAVITY SEE LEAR 6.3HC TERMINAL CRIMP OPTION CAVITY SPECIFICATION D00461704 FOR UNSEALED CONNECTOR, AND D00456612 FOR SEALED CONNECTOR

12. TERMINAL VALIDATION PER USCAR 2, CRIMP VALIDATION PER USCAR 21.

REV.	ZONE	DESCRIPTION	CS/REL NO.	DATE	DESIGNER	CHECKER
AA		RELEASE FOR PRODUCTION	CS 297211	2014/11/25	P.CASTELLANI	A.BUTCHER
AB	G4 C5-C6 C9 F5,G6 J7-J8 K7-K9 J9 A1 D1-G4 G1-G4	CHART 1 DIMENSION B 4.60 WAS 4.53 AND 4.90 WAS 5.07 ADDED ISO VIEWS OF CABLE SEAL VERSION REMOVED SPRING ATTACHMENT NOTE AND RENUMBERED REMAINING NOTES REVISED SIDE VIEWS BLADE INTERFACE NOTE REVISED E04156400C WAS E04156400_CUS 2.94 WAS 2.89 3.51 WAS 3.46	CS 315478	2015/08/05	P.CASTELLANI	W.GLICK
AC	G6 K7-K8	ADDED NOTE TO SIDE VIEW 6-10 mm² WITH CABLE SEAL (1.89) WAS (2.57)	CS 320360	2015/09/22	P.CASTELLANI	W.GLICK
AD	D6 F3 E3 K2 C7	ADDED ORIENTATION CODE A WITH RELATED NOTES AND DIMENSIONS ADDED DETAIL J ADDED SECTION VIEW D-D REMOVED 0.15 A 0.60 MAX GAP TERMINALS FROM CARRIER 2.07 WAS 8.08	CS 323651	2016/01/20	P.CASTELLANI	W.GLICK
AE	D6 F3 D1	PRODUCT CODE 4 WAS A DIM (6 DEG) WAS B 0.45 NOTE 9 ADDED	CS 333436	2016/06/14	P.CASTELLANI	W.GLICK
AF	D1 G8,E2 J3,H3 F2 C7	ADDED TERMINAL CAVITY SPECIFICATION NOTE, ADDED DATUM D, ADDED DIMENSION W, REMOVED DIM T & DIM 28.7 ± 0.5, DIMENSION 15.4 ± 0.1 WAS 14.4 ADDED O3N. REMOVED POLARIZATION TAB	CS 345493	2017/09/13	C. SOOD	S. RAHMAN
AG	C2 C2	REVISED NOTE #4. ADDED NOTE #2.	CN-0108264	2018/11/29	R. SAGARINO	S. RAHMAN
AH	H2 C1 .. H2	0.45 WAS 0.40 FOR DIM. A. ADDED NOTE #12. DRAWING NUMBER WAS E04156400C. 4.85 WAS 4.81 FOR DIM. B.	CN-0115321	2020/09/03	R. SAGARINO	S. RAHMAN
AJ	F4	ADDED CABLE SEAL CHART 2	CN-0120180	2022/03/02	M. PRENDOL	S. RAHMAN
AK	J3	PLATING CLASS T WAS S	CN-0123175	2022/11/22	J. CRUZ	S. RAHMAN
AL	E3	REVISED CHART 2 TO ADD 16 mm² WIRE	CN-0128990	2024/03/05	N. NANE	S. RAHMAN
AM	F8	CORRECTED MISLOCATED DIMENSION LINES.	CN-0129763	2024/05/09	M. PRENDOL	S. RAHMAN

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

NOT USED: XX

SCALE: 10:1

START DATE: 2014/05/27

DRAWN: P.CASTELLANI

APPROVERS:
ENGR: S.RAHMAN
CHECKER: A.BUTCHER
APPROVER: B.RANGI

LEAR CORPORATION
E-SYSTEMS
Here and Now Anywhere
21557 TELEGRAPH ROAD
SOUTHFIELD, MI 48033

TITLE
6.3 HC TERMINAL ASSEMBLY CRIMP VERSION

CAD DIRECTORY / LOCATION: SEM

DRAWING FILE NAME: E04156400-AM_DR00.CATDrawing

MODEL FILE NAME: E04756500-AA_M000.CATProduct

LAST UPDATE	SEM DOCUMENT ID / DRAWING NUMBER	REV.	SHEET	OF	TYPE
2024/05/09	E04156400	AM	1	1	CG

LAST USED: 32

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