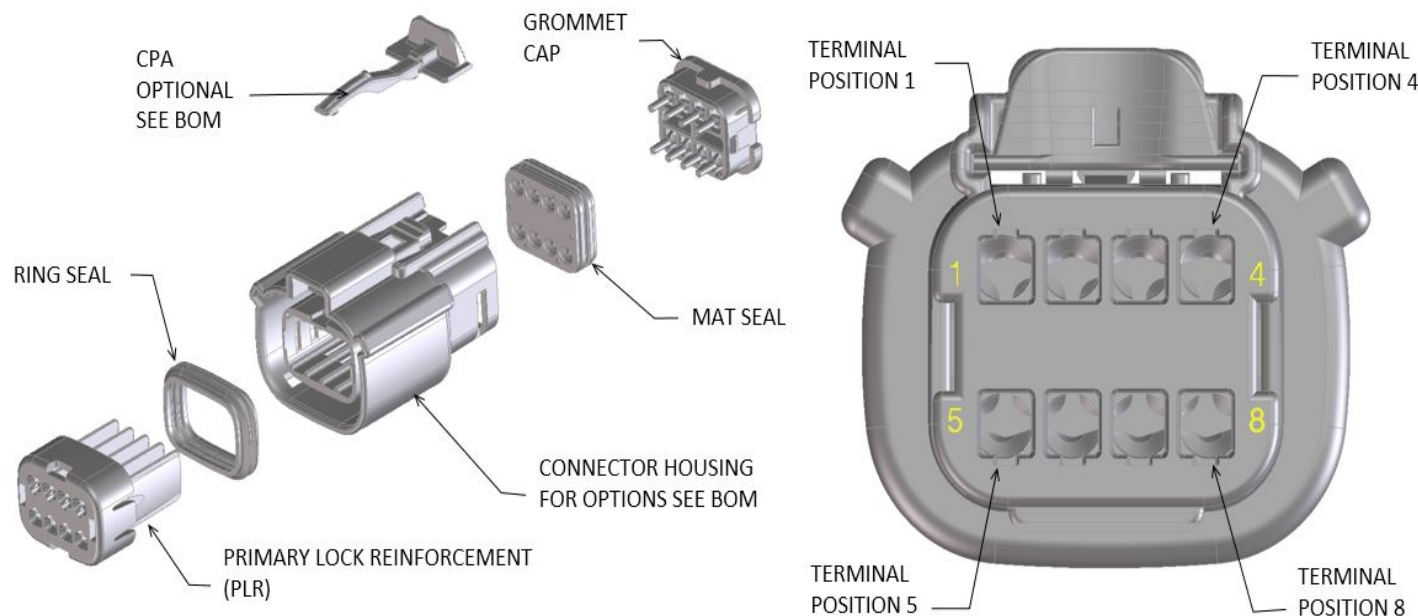




ABBREVIATION	DESCRIPTION	COLOR	MATERIAL
A-BLACK	HOUSING, KEYING OPTION A	BLACK	SPS/NYLON GF20
B-LIGHT GRAY	HOUSING, KEYING OPTION B	LIGHT GRAY	SPS/NYLON GF20
C-BROWN	HOUSING, KEYING OPTION C	BROWN	SPS/NYLON GF20
D-GREEN	HOUSING, KEYING OPTION D	GREEN	SPS/NYLON GF20
C-DARK GRAY	HOUSING, KEYING OPTION C	DARK GRAY	SPS/NYLON GF20
D-STONE GRAY	HOUSING, KEYING OPTION D	STONE GRAY	SPS/NYLON GF20
D-BLACK	HOUSING, KEYING OPTION D	BLACK	SPS/NYLON GF20
A-YELLOW	HOUSING, KEYING OPTION A	YELLOW	SPS/NYLON GF20
A-BLACK-CLIP	HOUSING, KEYING OPTION A WITH CLIPSLOT	BLACK	SPS/NYLON GF20
B-LIGHT GRAY-CLIP	HOUSING, KEYING OPTION B WITH CLIPSLOT	LIGHT GRAY	SPS/NYLON GF20
C-BROWN-CLIP	HOUSING, KEYING OPTION C WITH CLIPSLOT	BROWN	SPS/NYLON GF20
D-GREEN-CLIP	HOUSING, KEYING OPTION D WITH CLIPSLOT	GREEN	SPS/NYLON GF20
C-DARK GRAY-CLIP	HOUSING, KEYING OPTION C WITH CLIPSLOT	DARK GRAY	SPS/NYLON GF20
D-STONE GRAY-CLIP	HOUSING, KEYING OPTION D WITH CLIPSLOT	STONE GRAY	SPS/NYLON GF20
D-BLACK-CLIP	HOUSING, KEYING OPTION D WITH CLIPSLOT	BLACK	SPS/NYLON GF20
GCO	GROMMET CAP (OPEN)	BLACK	SPS/NYLON GF20
GCP	GROMMET CAP (PLUGGED)	BLACK	SPS/NYLON GF20
PLR	PLR	NATURAL	SPS/NYLON GF20
CPA	CPA	RED	PBT GF30
M	MAT SEAL	LIGHT BLUE	INHERENTLY LUBRICATED SILICONE
RG	RING SEAL	GREEN	INHERENTLY LUBRICATED SILICONE
RR	RING SEAL	RUST RED	INHERENTLY LUBRICATED SILICONE

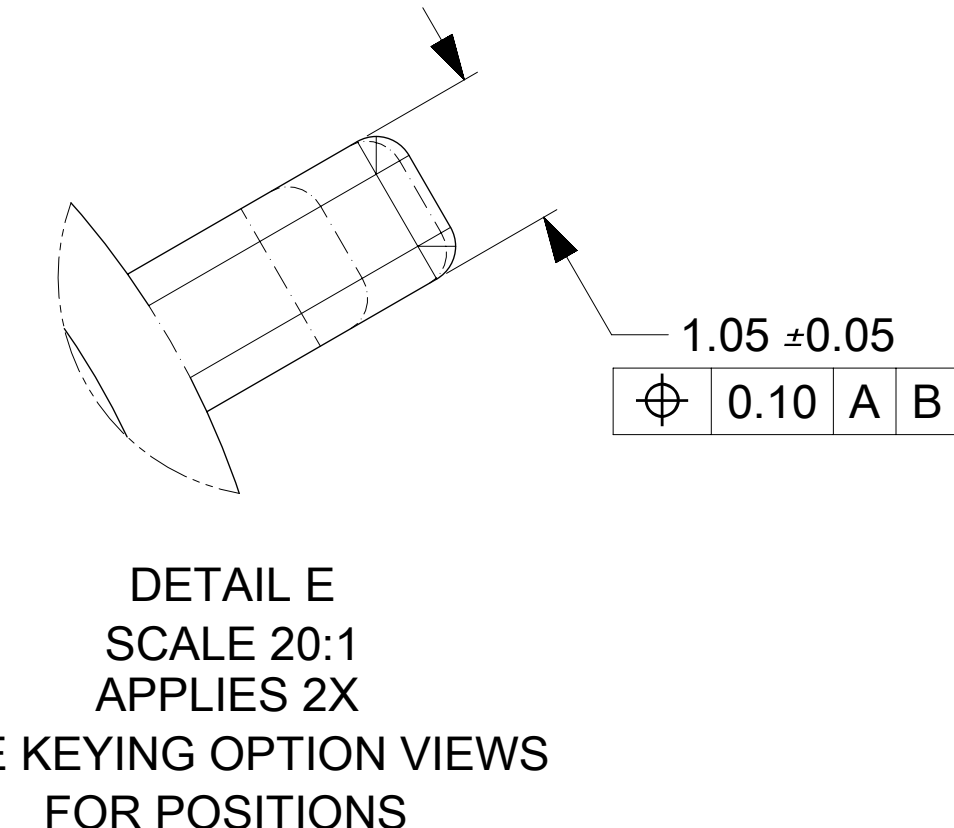
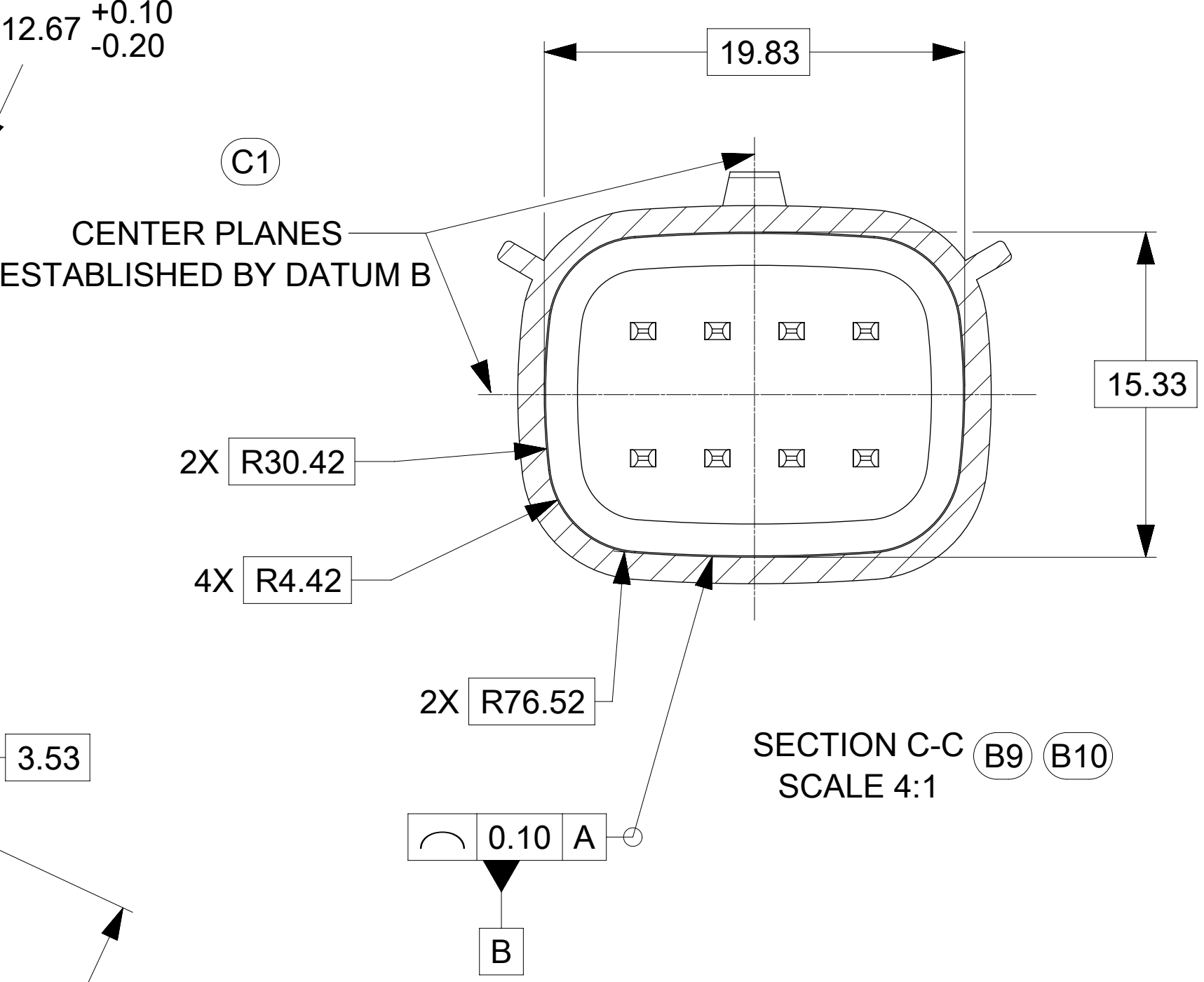
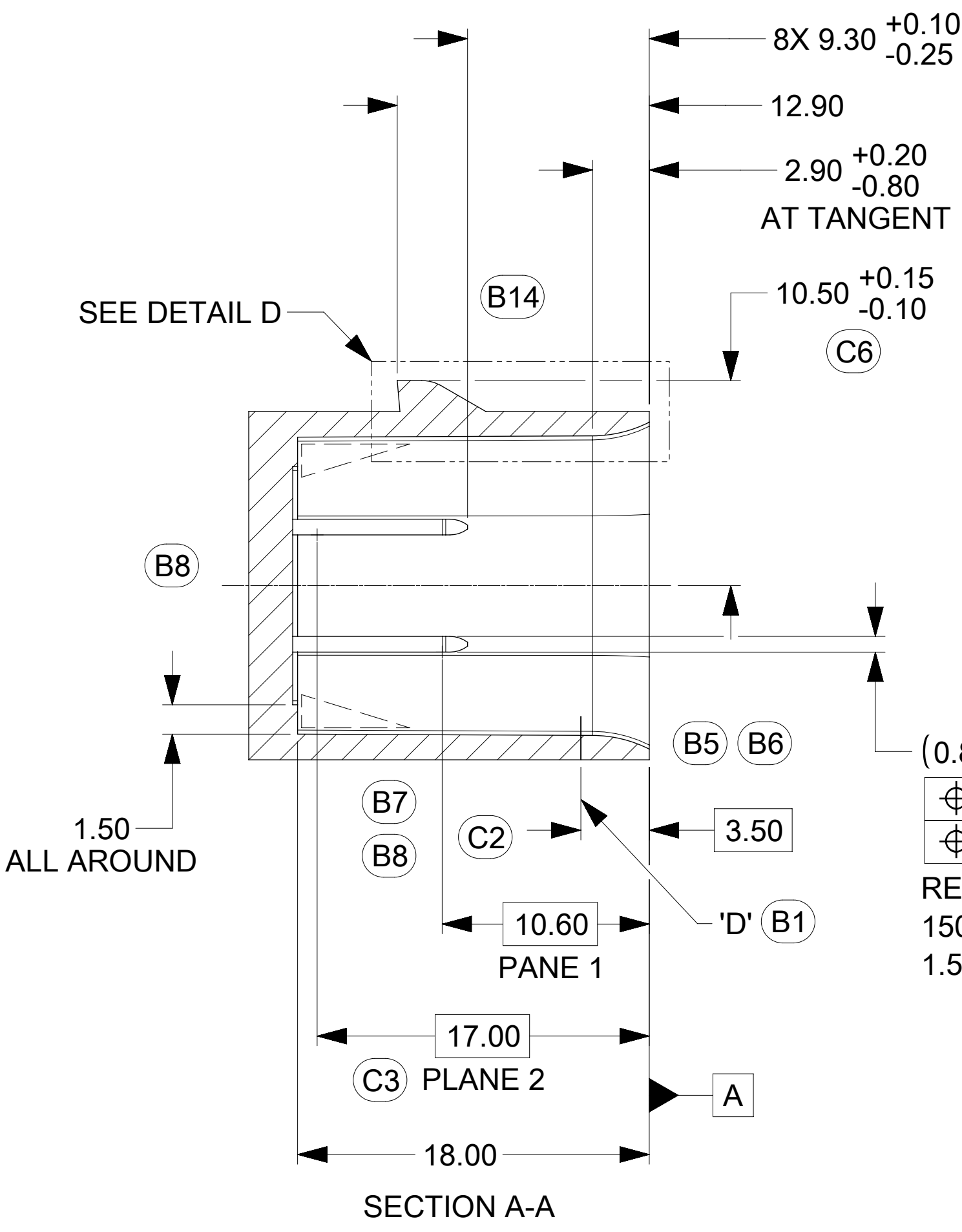
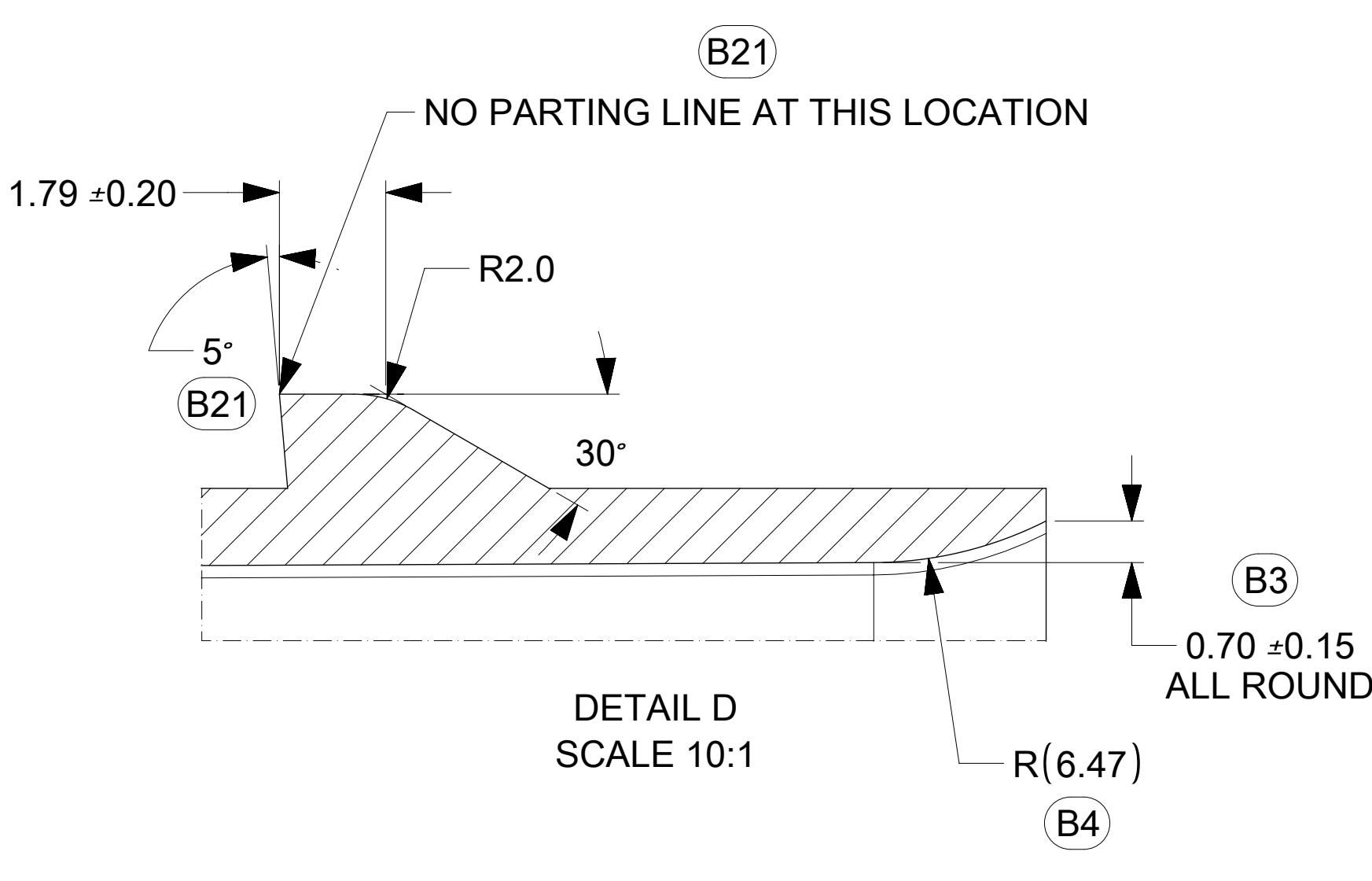
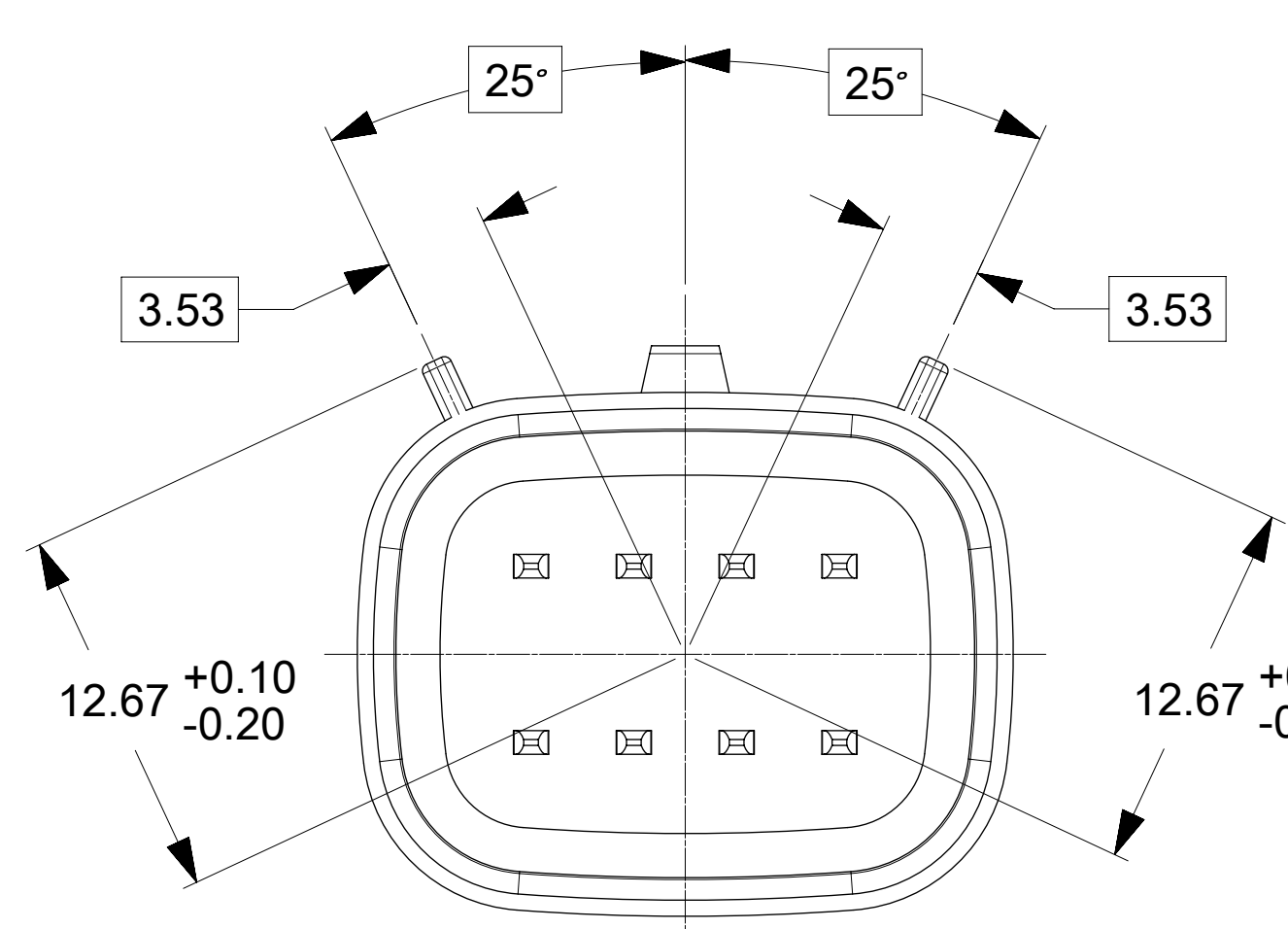
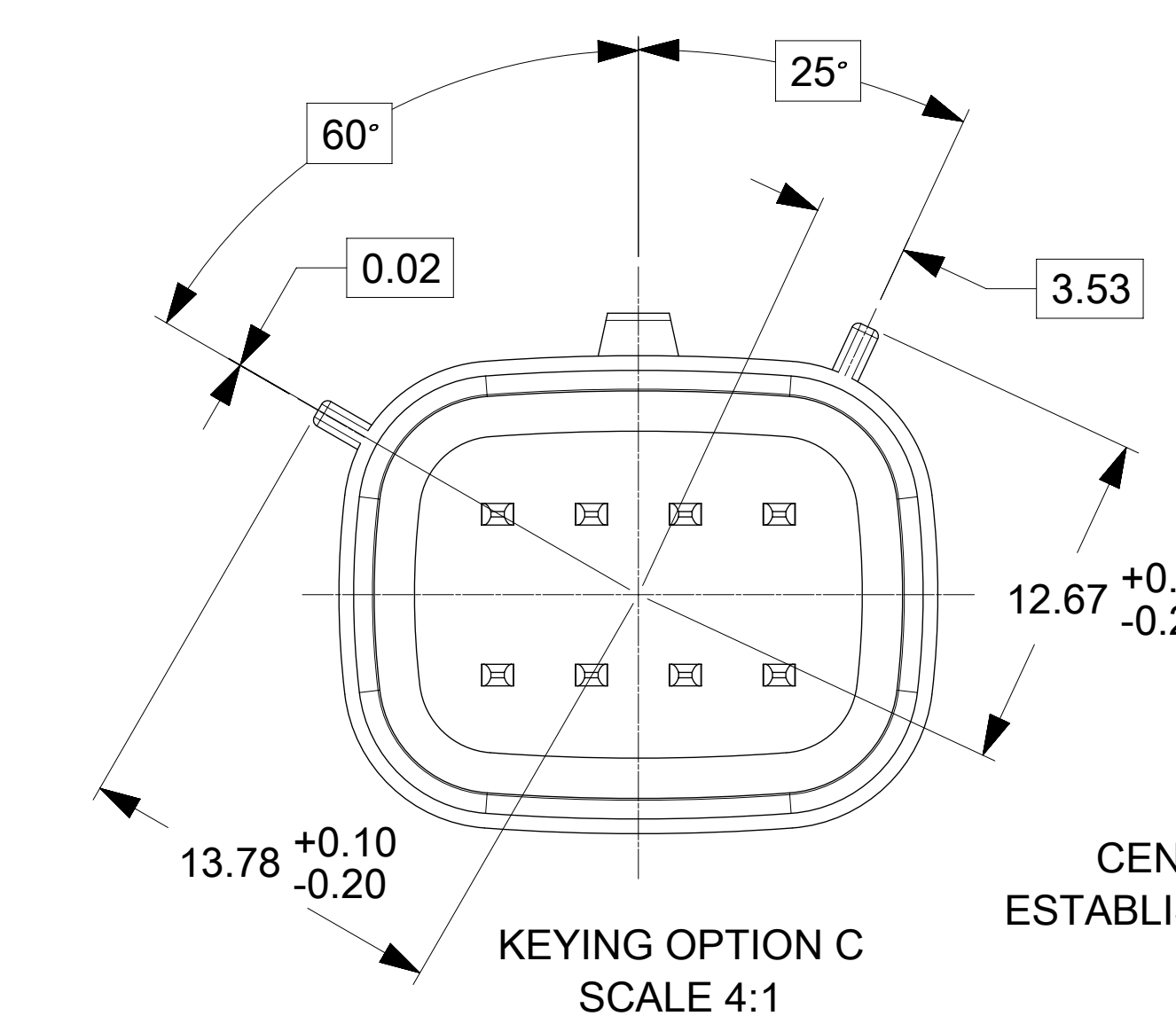
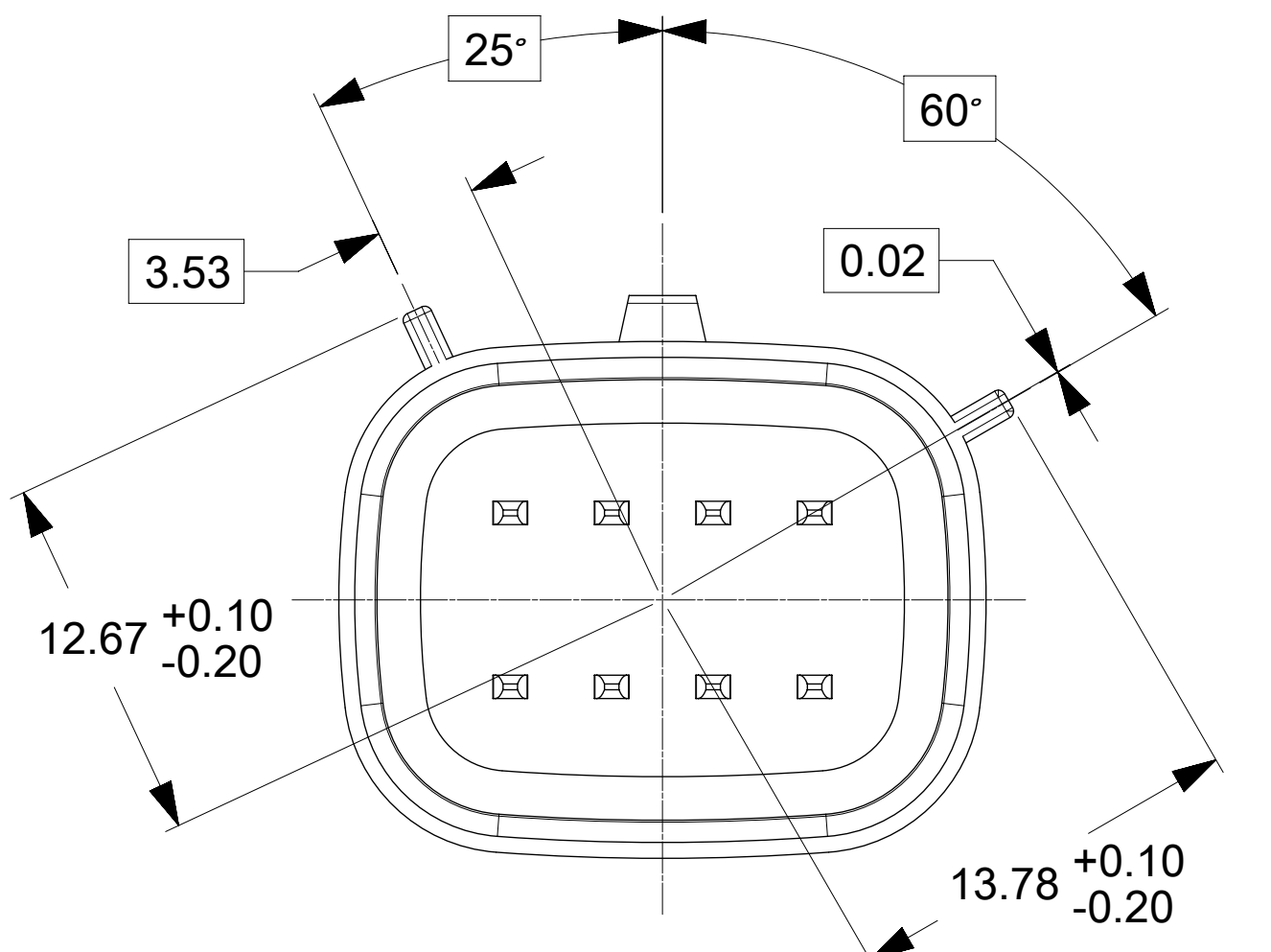
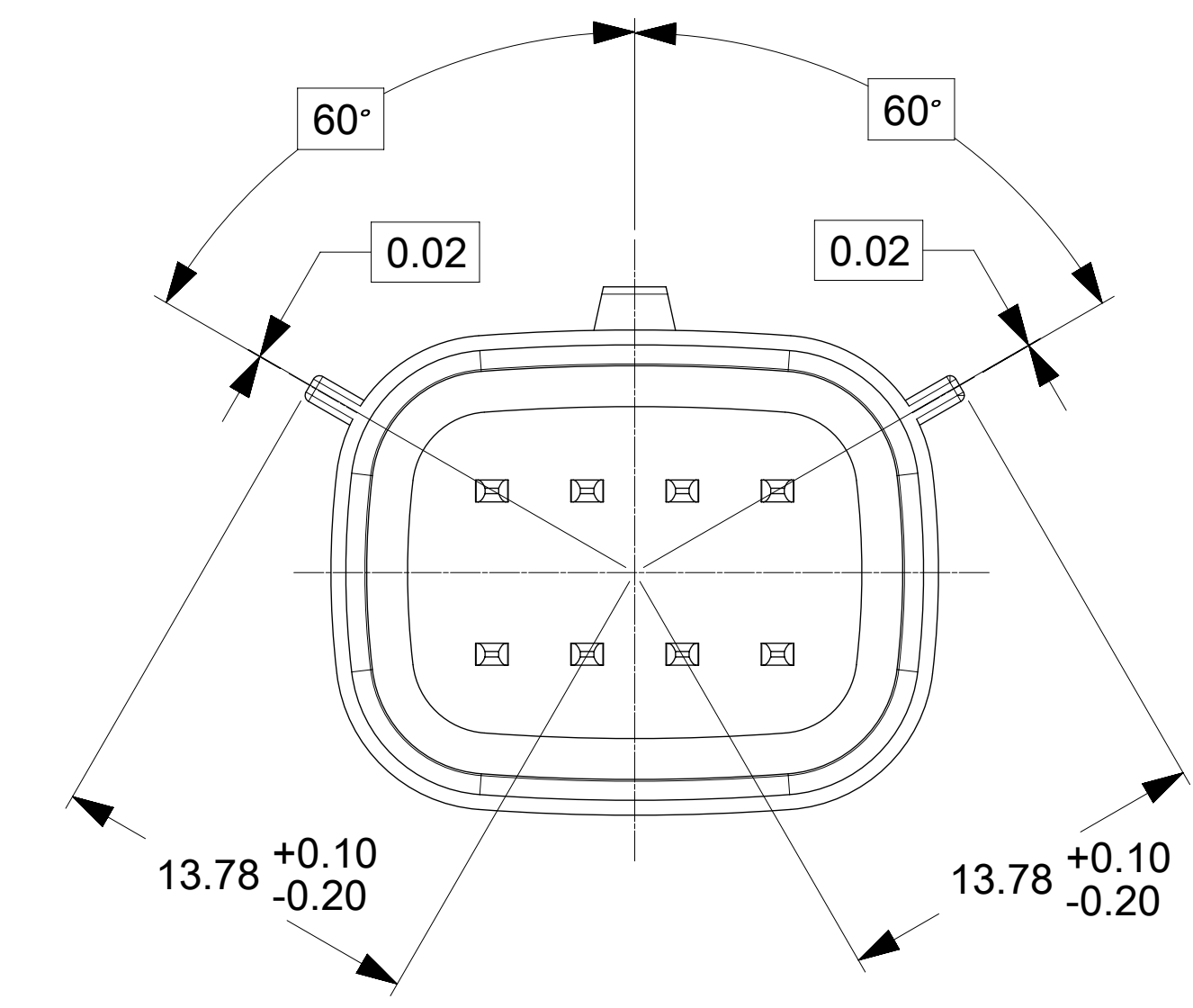
FOR ADDITIONAL INFORMATION SEE SD-33472-0001

[illegible]

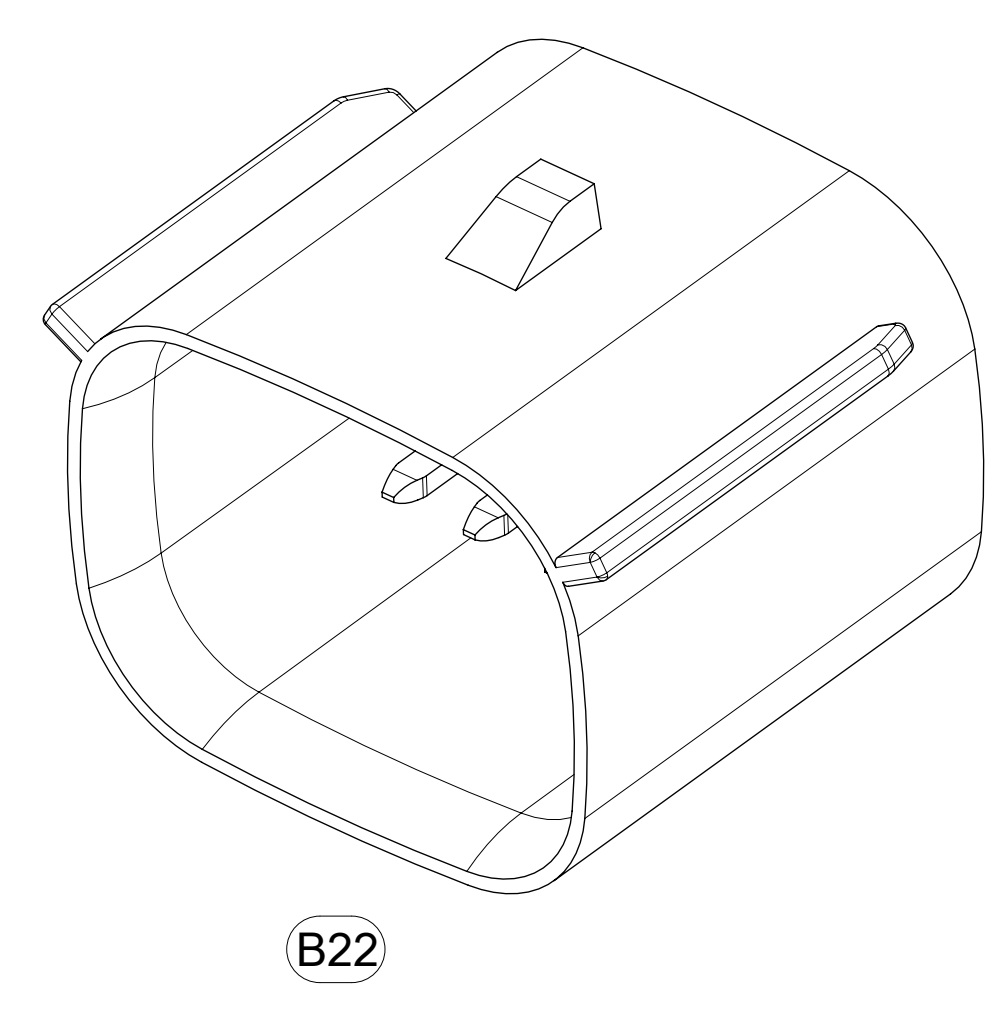
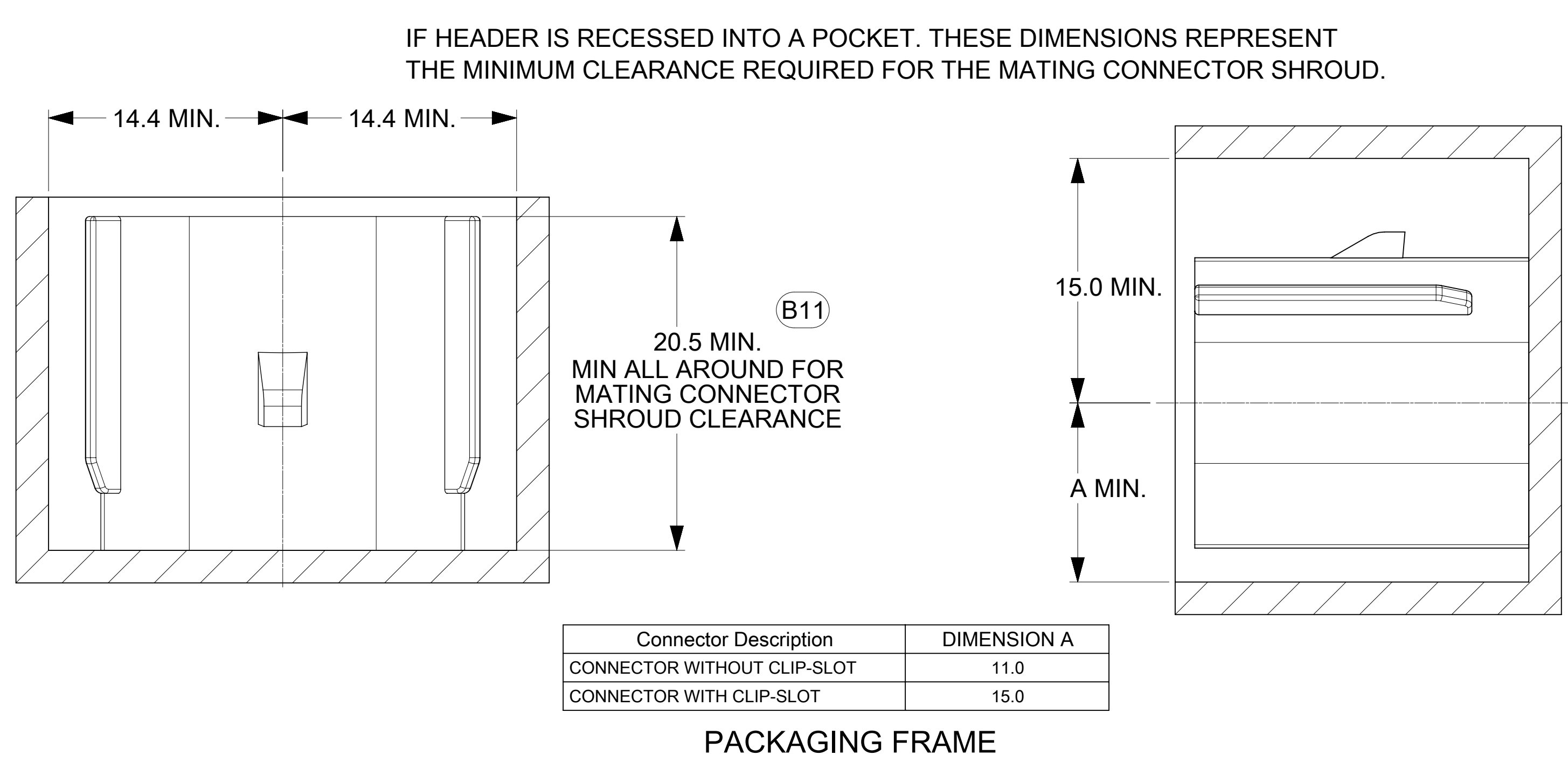
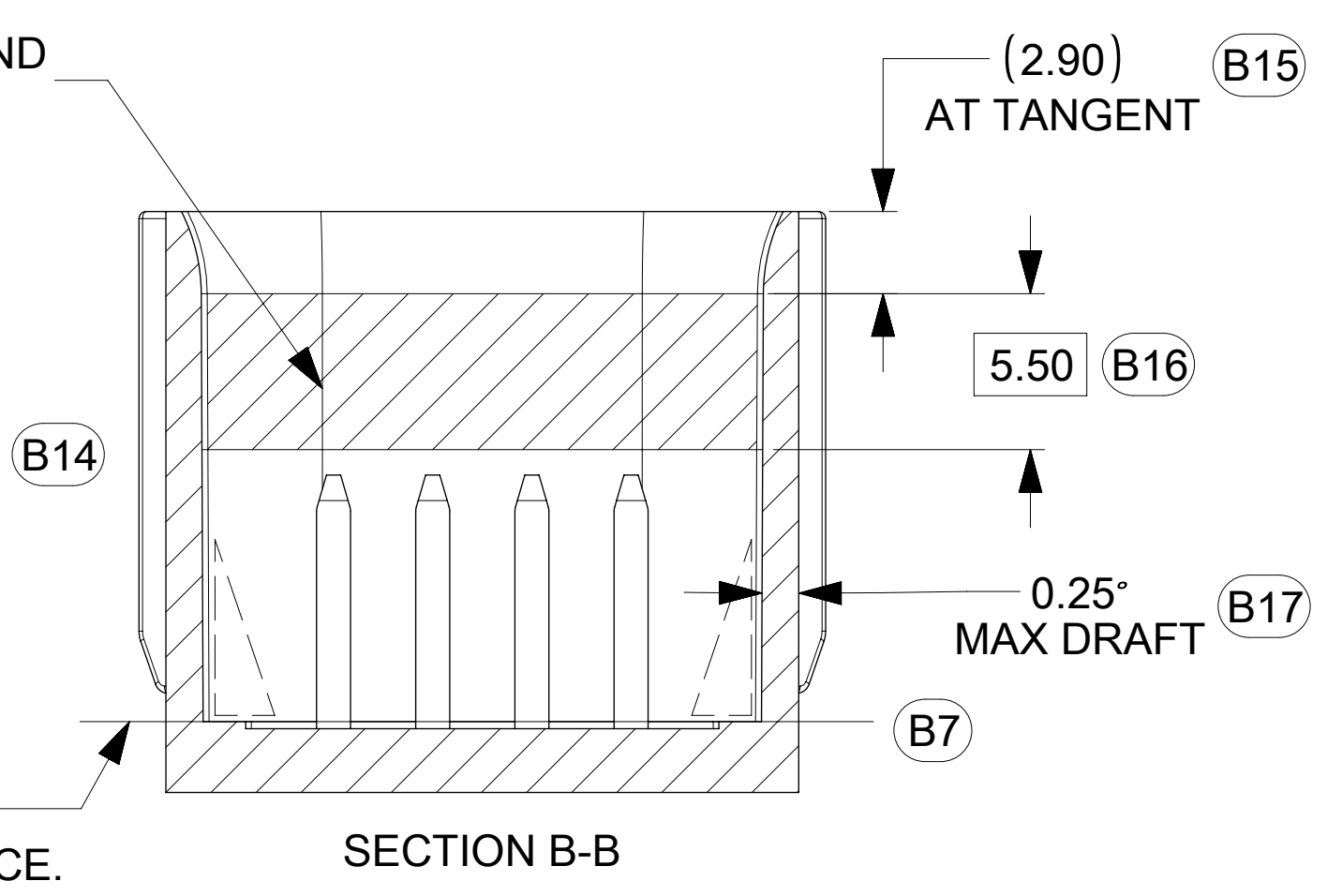
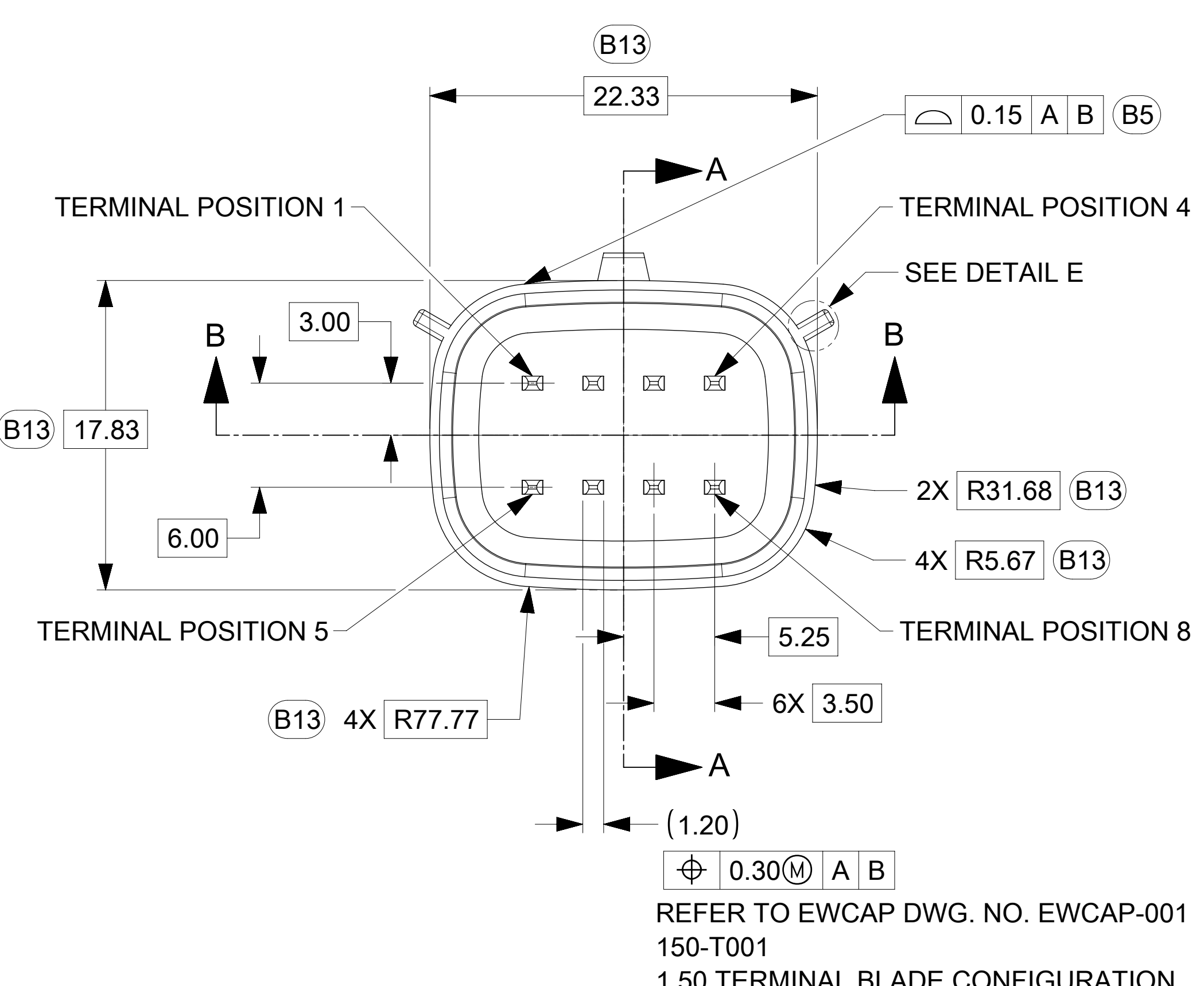
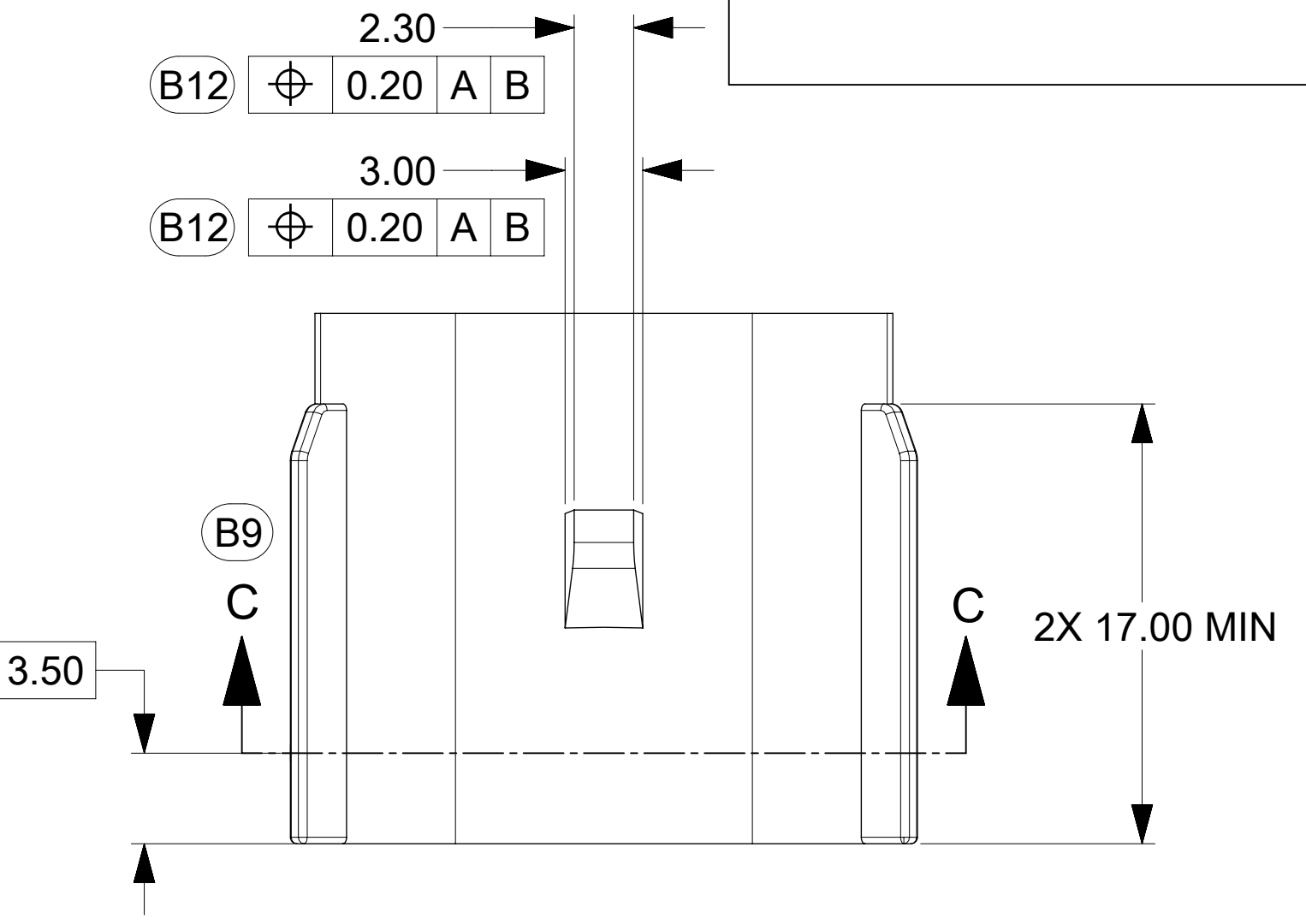


MX150 RECEPTACLE 2X4 SEALED ASSEMBLY MAT SEAL
BOM AND PIN OUT SHEET

ASSEMBLY DESCRIPTION	ASSEMBLY PART NUMBER	COMPONENT						BLOCKED TERMINALS				STATUS	COMMENT	OPTIONAL ATTACHMENTS SOLD SEPARATELY			
		THE PRESENCE OF AN ABBREVIATION INDICATES THE PRESENCE OF THAT COMPONENT						CAVITY WITH A NUMBER INDICATES BLOCKED TERMINAL POSITION CAVITY WITHOUT A NUMBER INDICATES OPEN TERMINAL POSITION						BACKSHELL WITH RIBS	BACKSHELL WITHOUT RIBS	90° ADAPTOR WITH RIBS	90° ADAPTOR WITHOUT RIBS
		HOUSING KEY/COLOR	GROMMET CAP	PLR	CPA	MAT SEAL	RING SEAL										
MX150 ASSY RCP 2X4 CPA BK A/5	334725107	A-BLACK	GCP	PLR	CPA	M	RR	-	-	-	-	SALEABLE		N/A	N/A	N/A	N/A
								-	6	7	8						
MX150 ASSY RCP 2X4 CPA BK A/6	334725108	A-BLACK	GCP	PLR	CPA	M	RR	-	-	-	4	SALEABLE		N/A	N/A	N/A	N/A
								-	-	-	8						
MX150 ASSY RCP 2X4 CPA BK A/6	334725109	A-BLACK	GCP	PLR	CPA	M	RR	-	2	-	-	SALEABLE		N/A	N/A	N/A	N/A
								-	-	7	-						



CONSTRUCTION BELOW THIS SURFACE IS NOT CONTROLLED BY EWCAP. NO PLASTIC FEATURES MAY EXTEND ABOVE THIS SURFACE.



STANDARD NOTICE

This drawing, or portions of it are controlled by the Electrical Wiring Components Application Partnership (EWCAP) a subgroup of the United States Council for Automotive Research LLC (USCAR LLC). USCAR is an LLC consisting of members from FCA US LLC, Ford Motor Company and GM Corporation. Any change to a EWCAP controlled portion of this drawing, including a revision record change must be approved, in writing, by the responsible EWCAP representative from each USCAR member company. Each EWCAP representative authorized to sign for his or her member company is responsible for obtaining all necessary approvals within that company prior to signing for the approval of the change. EWCAP expressly prohibits any party from changing either any EWCAP controlled portion of this drawing or any associated tooling before receiving approval, signed by the authorized representatives, of the USCAR member companies. Reference to the signed change notice must be entered in the drawing control column.

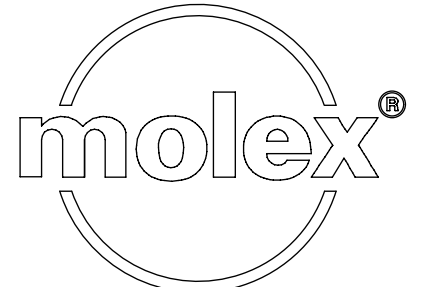
NOTES: UNLESS OTHERWISE SPECIFIED

- ALL DIMENSIONS SHOWN IN MILLIMETERS.
- DIMENSIONING AND TOLERANCING PER ASME Y14.5M-2009
- 0.25 RADII ON ALL CORNERS SHOWN SHARP.
- UNSPECIFIED RADII: 0.25 EXCEPT AS NOTED.
- STANDARD COLORS FOR POLARIZATION (SEE CHART). DEVIATION REQUIRES APPROVAL OF AUTHORIZED PERSON.
- REFER TO "SAE/USCAR 12 CONNECTOR GUIDELINES" FOR ADDITIONAL REQUIREMENTS.
- EXCEPT WHERE NOTED, DRAFT ON OUTSIDE SURFACES IS PERMISSIBLE WITHIN TOLERANCE.
- SYMBOL INDICATES DRAFT DIRECTION.
- FOR TERMINAL MATERIAL, DIMENSIONAL, AND COATING REQUIREMENTS AND ANY BLADE TERMINAL DESIGN INFORMATION NOT SHOWN ON THIS DRAWING SEE EWCAP DRW. NO. EWCAP-001
- A FULL SHROUD ON THE MATING CONNECTOR IS REQUIRED TO INSURE THAT THE CONNECTOR-HEADER POLARIZATION FEATURES (OPTIONS A THRU D) WILL FUNCTION. THE FULL SHROUD ALSO PREVENTS SCOOP DAMAGE TO THE HEADER PINS. REFER TO "SAE/USCAR-12 CONNECTOR DESIGN GUIDE LINES" FOR ADDITIONAL INFORMATION.
- REFER TO USCAR/EWCAP PART LIST AS FOUND ON WEBSITE <http://www.uscarteams.org>
- THIS IS A 100% CAD GENERATED PART. THE CAD MATHEMATICAL DATA IS THE MASTER FOR THIS PART. FOR DIMENSIONAL OR ANY INFORMATION NOT SHOWN ON THIS DRAWING, ANALYZE THE CAD MODEL.

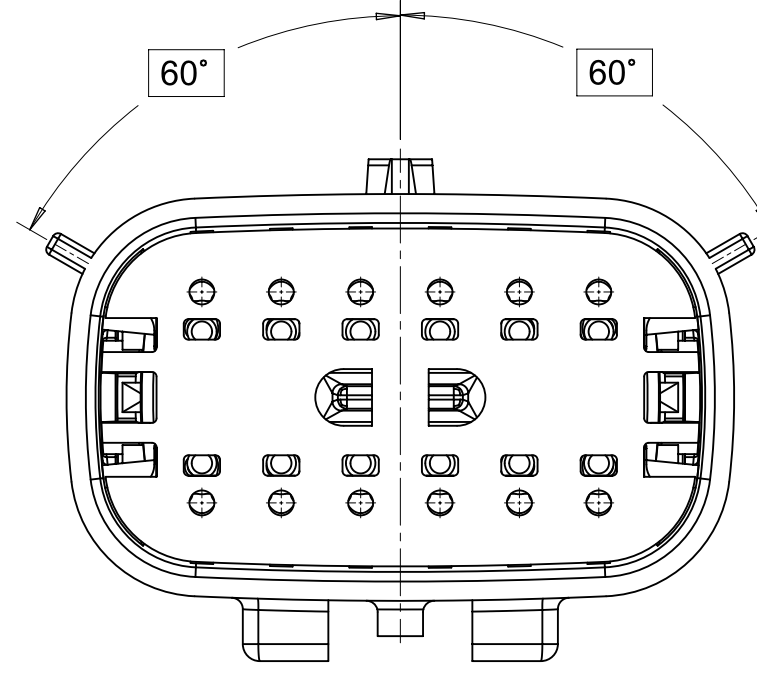
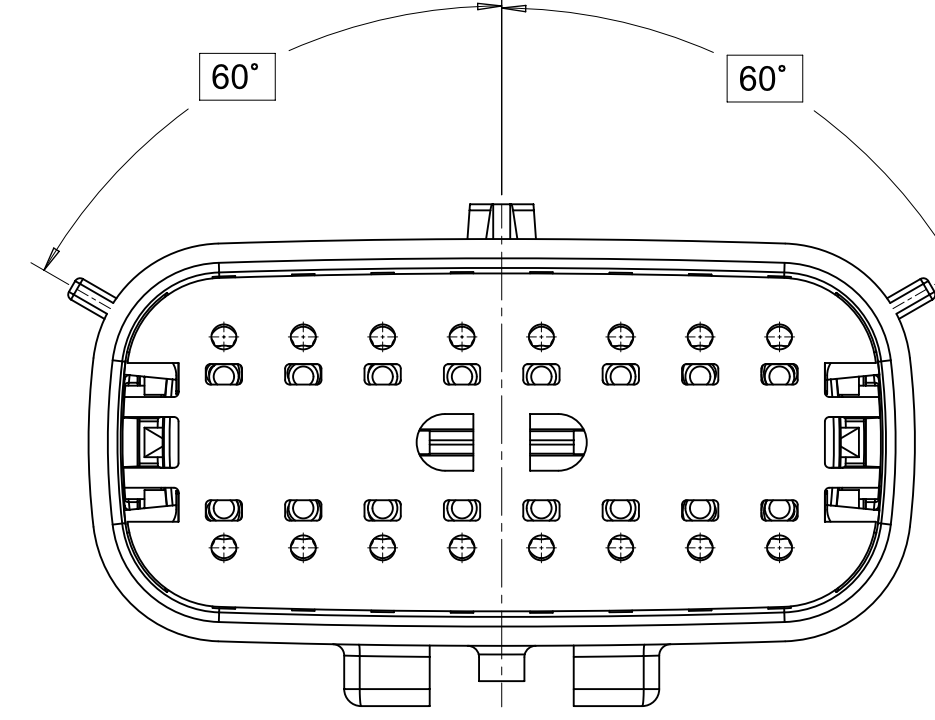
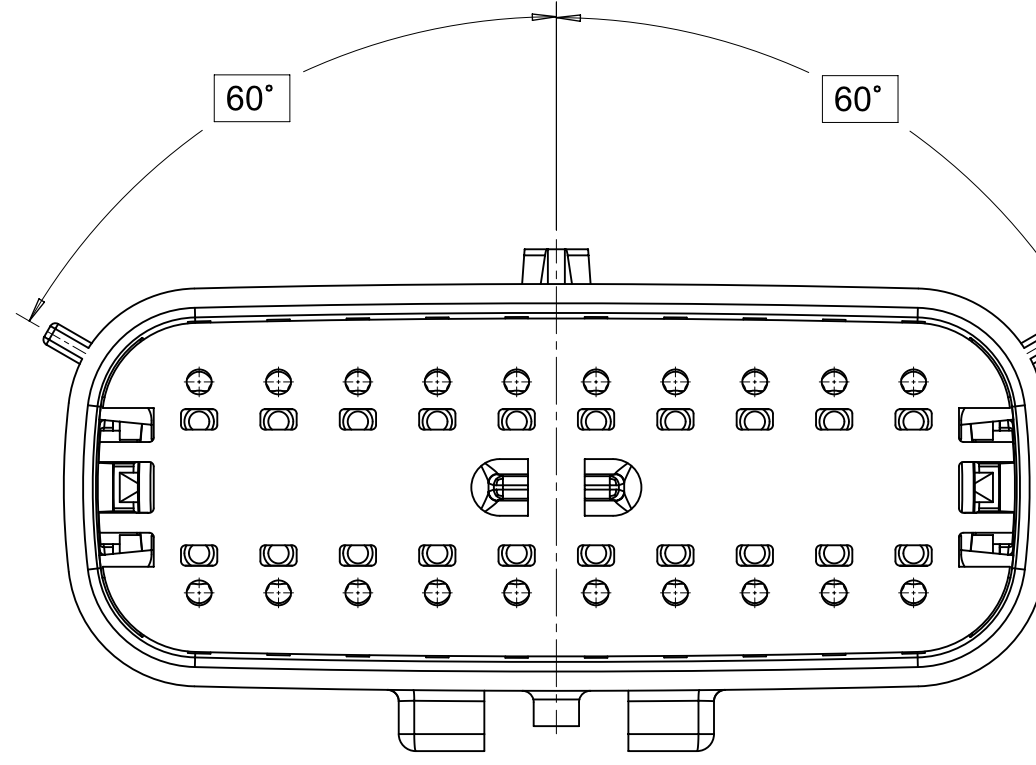
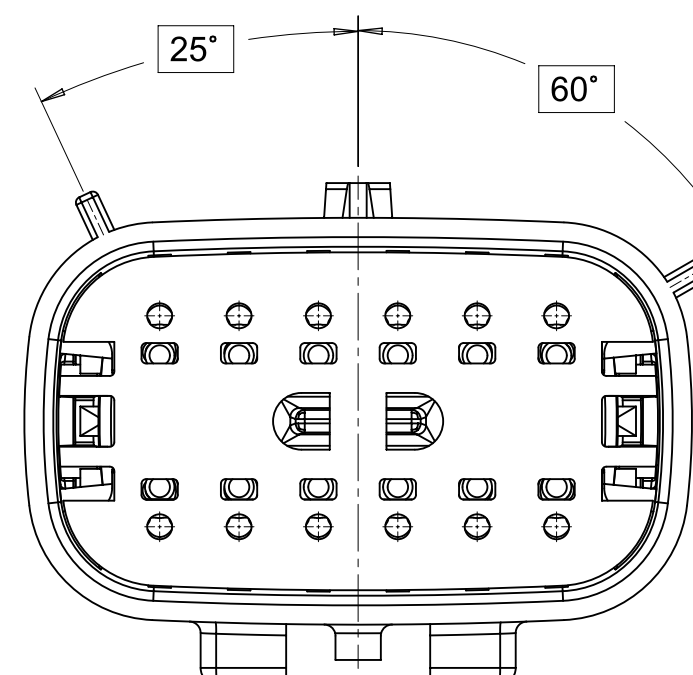
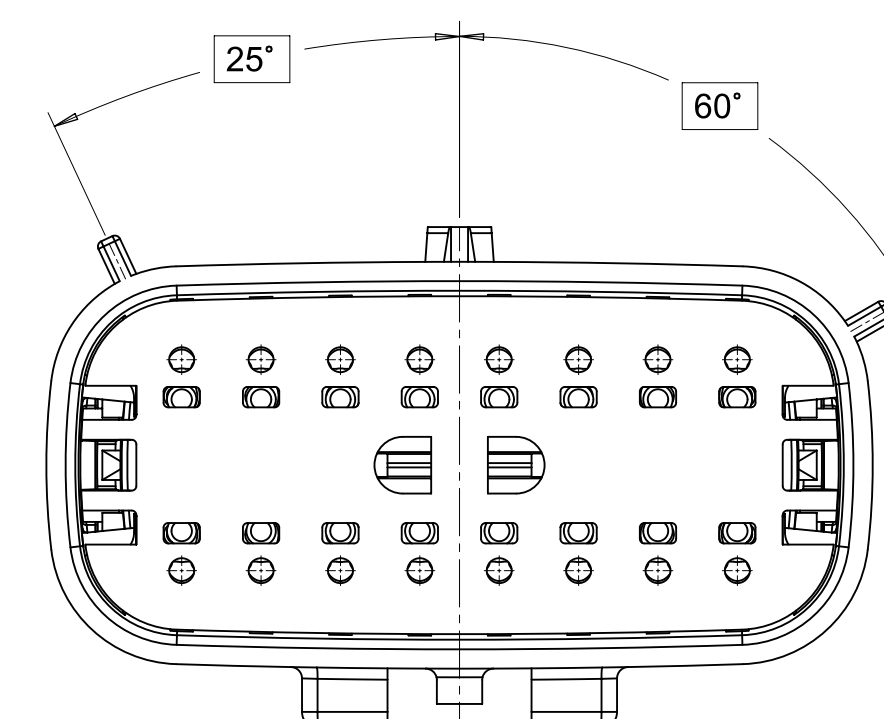
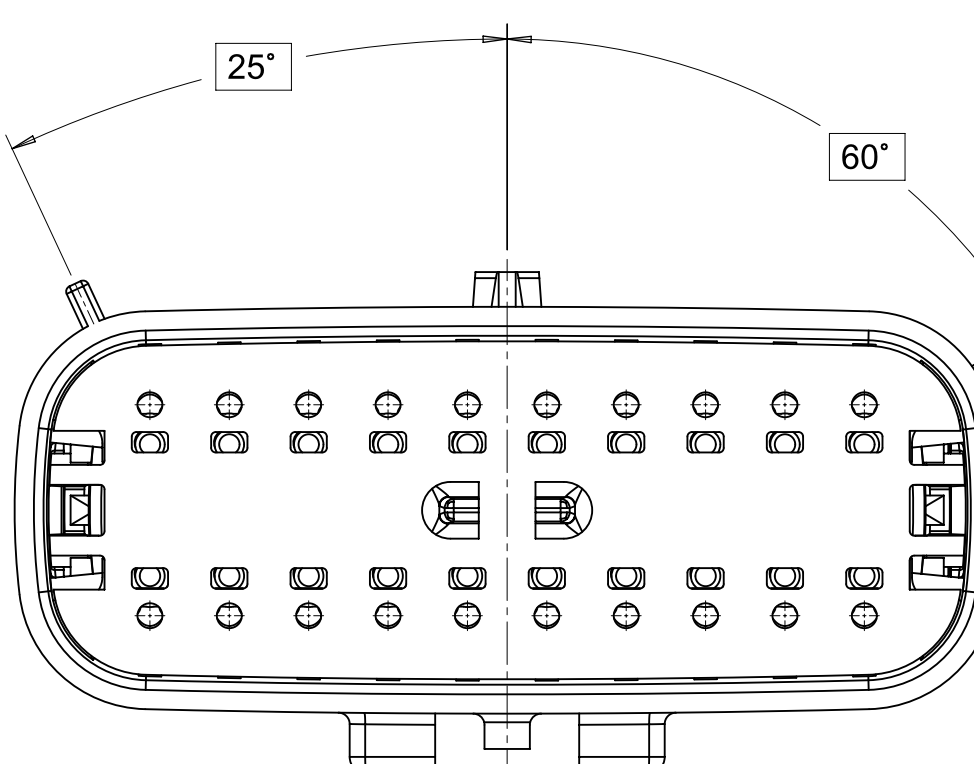
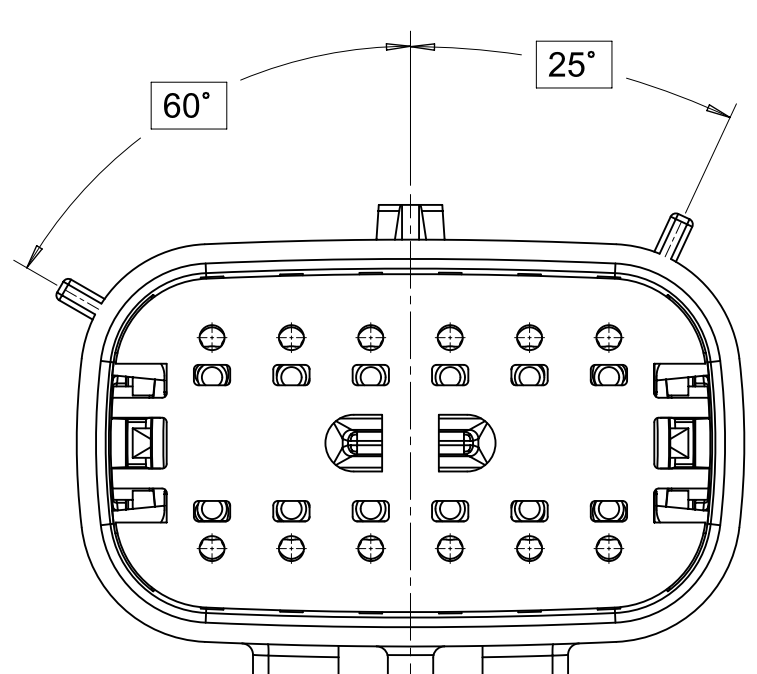
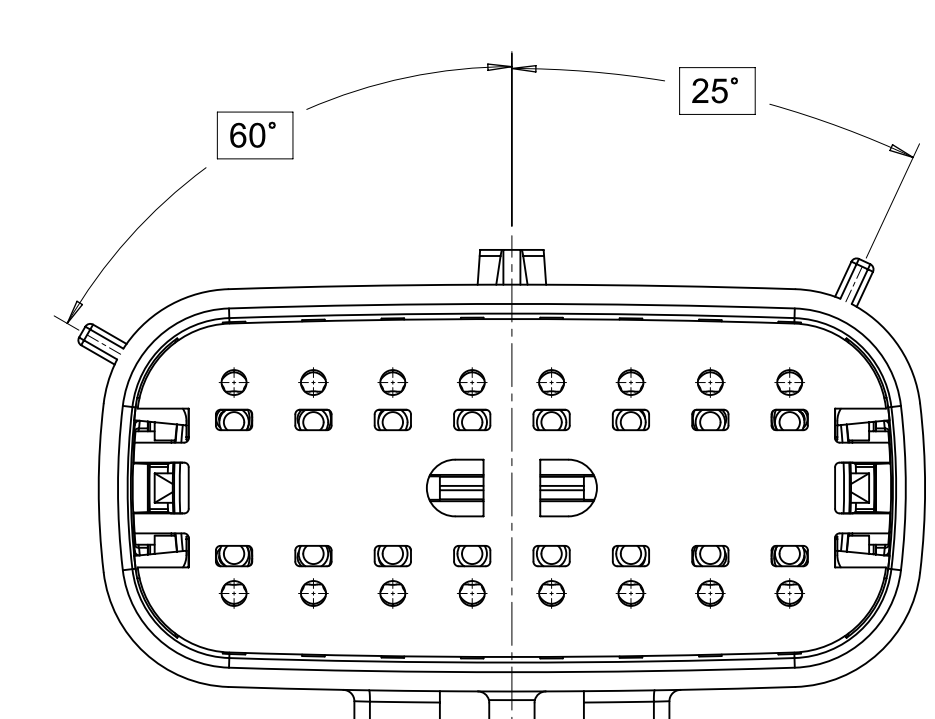
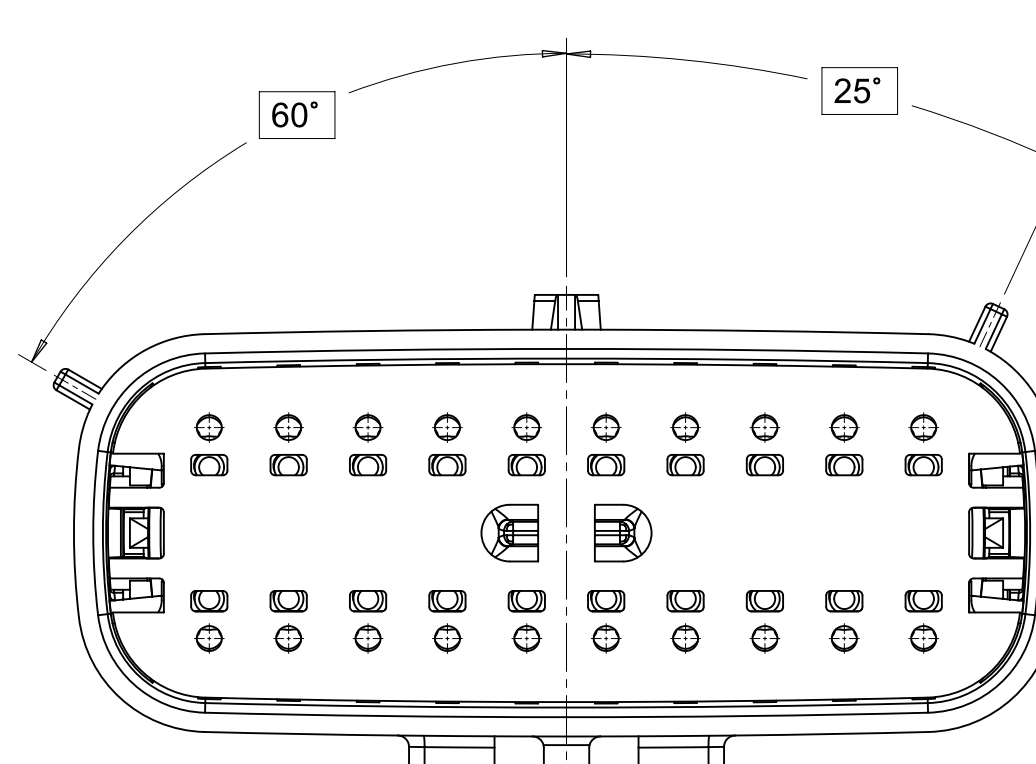
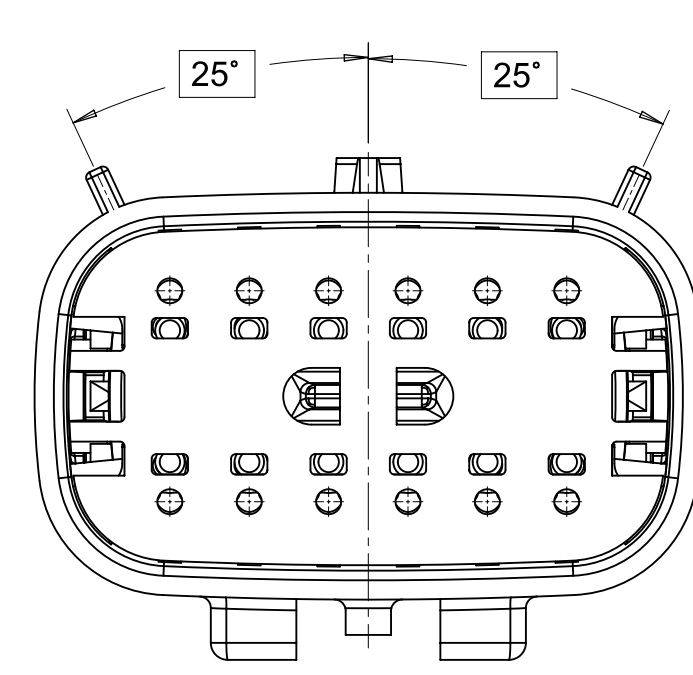
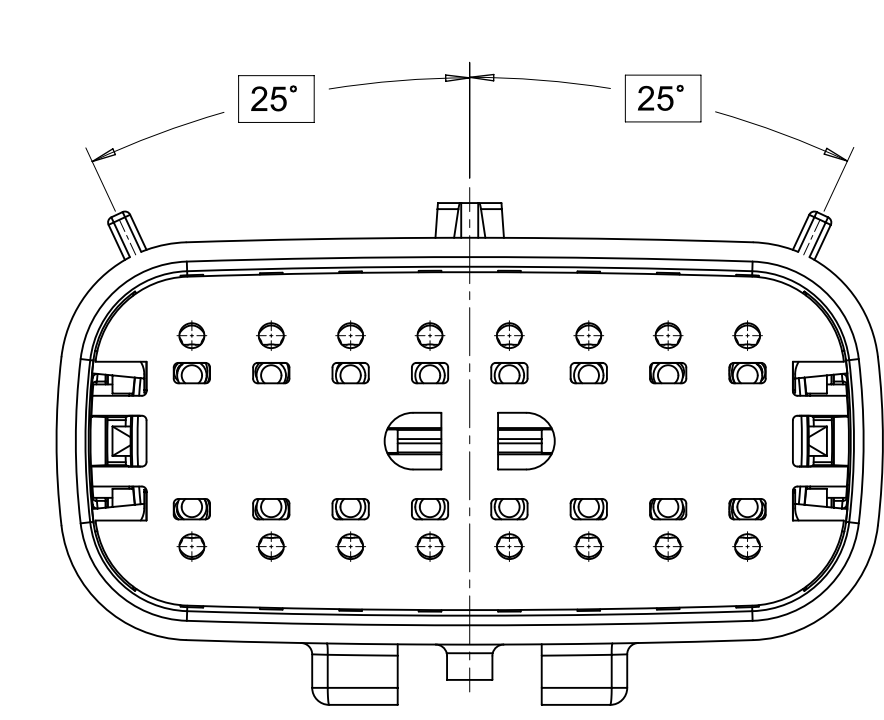
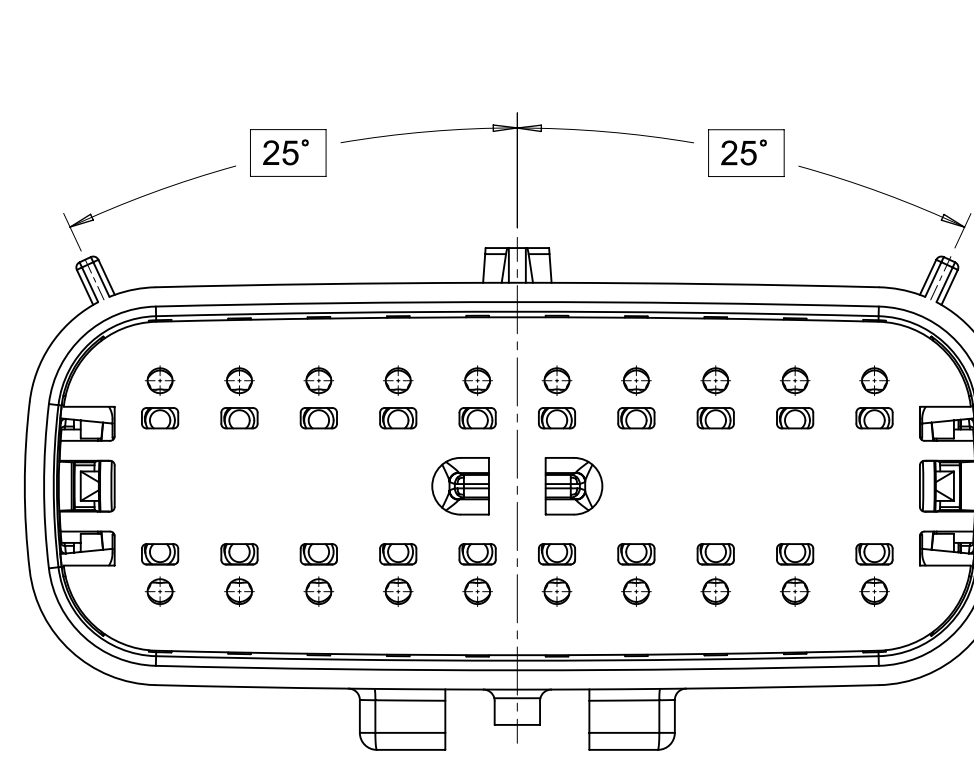
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162	D			CHARTED DIMENSION ADDED FOR WITH AND WITHOUT CLIPSLOT
132	C6			CORRECTED TOLERANCE CALL OUT FOR LATCH LOCK HEIGHT
132	C5			UPDATED CALL OUT FOR THE REVISION OF GD&T FROM ASME Y14.5-1994 TO Y14.5-2009
132	C4			UPDATED THE STANDARD NOTICE TO THE LATEST TEMPLATE
132	C3			ADDED PLANE 2
132	C2			ADDED PLANE 1
132	C1	02-10-17	MV	KB
095	B22			CHANGED ISO VIEW SCALE TO 4:1, WAS 1:1
095	B21			ADDED PARTING LINE NOTE TO DETAIL A, REMOVED NOTE BACK ANGLE OPTIONAL FROM 5°
095	B20			CORRECTED CHRYSLER GROUP LLC NOMENCLATURE ADDED LEGAL NOTE AND EWCAP TO TITLE BLOCK
095	B19			MOVED NOTE TO SECTION B-B
095	B18			UPDATED NOTES
095	B17			ADDED 0.25° MAX DRAFT ANGLE ALL AROUND
095	B16			ADDED 5.50
095	B15			ADDED AT TANGENT NOTE
095	B14			REMOVED DATUM D
095	B13			ADDED BASIC DIMENSIONS FOR PROFILE CONTROL
095	B12			ADDED 0.20 A B
095	B11			DIMENSIONED TO DATUM A
095	B10			SEALING SURFACE DIMENSIONS MOVED TO SECTION C-C
095	B9			ADDED SECTION C-C
095	B8			REMOVED 15.20 AND 2.50 FROM SECTION A-A
095	B7			ADDED DRAFT ANGLE DIRECTION
095	B6			REMOVED 0.80 ±0.10/-0.20 ALL AROUND
095	B5			REPLACED WALL THICKNESS CONTROL WITH PROFILE OF A SURFACE
095	B4			ADDED R(6.47)
095	B3			ADDED 0.70±0.15 ALL AROUND
095	B2			UPDATED CONNECTOR COLORS
095	B1	03-21-12	KC	MV
	A	10-17-07	MV	DG
CHANGE SERIAL NUMBER	LE T	REVISION RECORD	DATE	DWN CHK

TOLERANCES (UNLESS OTHERWISE SPECIFIED)		THIRD ANGLE PROJECTION	
DIMENSIONS ARE IN MILLIMETERS		ANGLES ±3°	
X ±0.2		XX ±0.10	
EWCAP			
SCALE 4 - 1	DRAWN BY G.ELLIOTT	CHECKED BY M.VANSLAMBROUCK	DATE 08-03-20
TITLE DIRECT CONNECT INTERFACE 8 WAY (2 X 4) 1.5MM SEALED MALE			
SHEET OF -	DRAWING NUMBER 150-S-008-2-Z02	SIZE E	DO NOT SCALE DRAWING COMPUTER AIDED DRAWING
REVISION LEVEL D			

EWCAP P/N	OPTION	MATING CONNECTOR COLOR
150-S-008-2-D02	D	BLACK
150-S-008-2-C02	C	DK GRAY
150-S-008-2-B02	B	LT GRAY
150-S-008-2-A02	A	BLACK

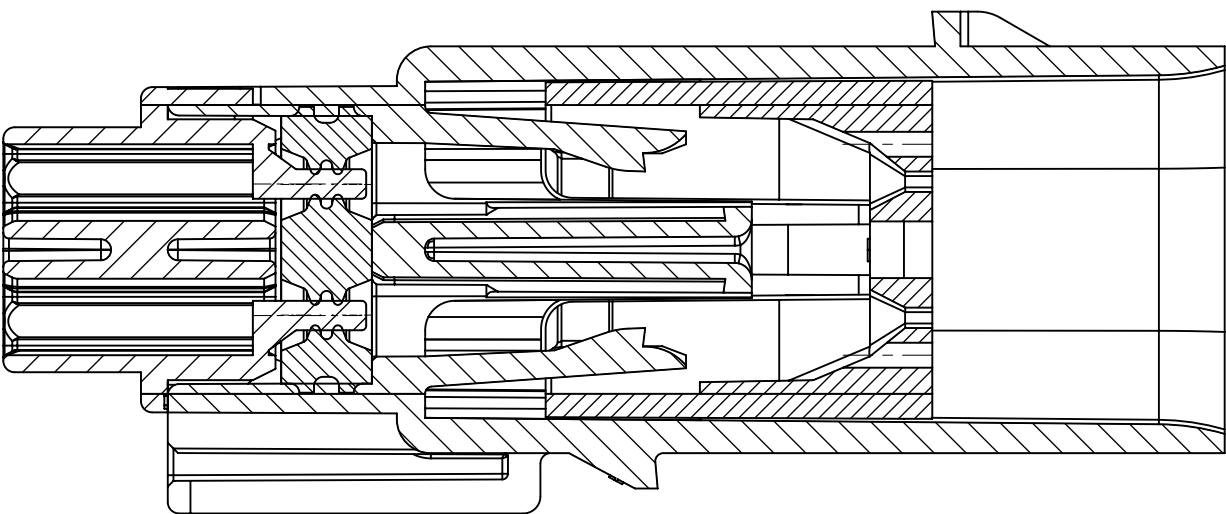
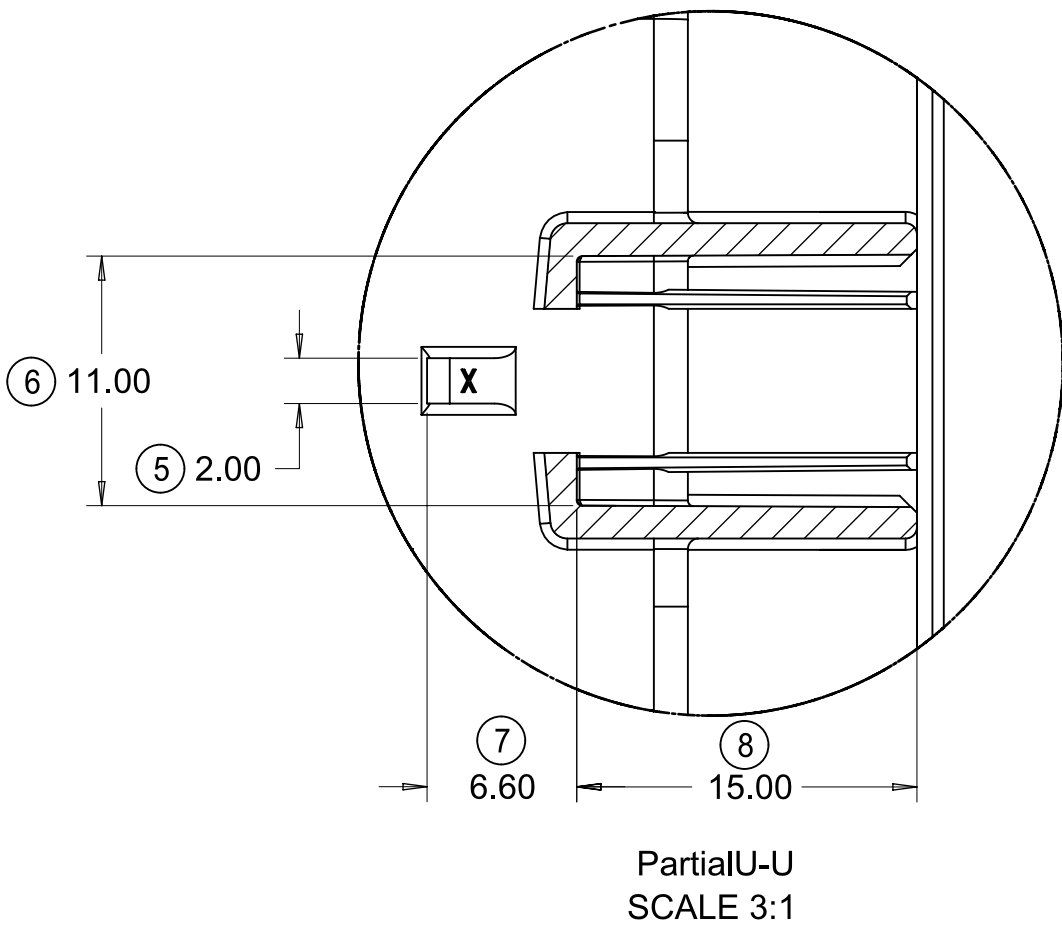
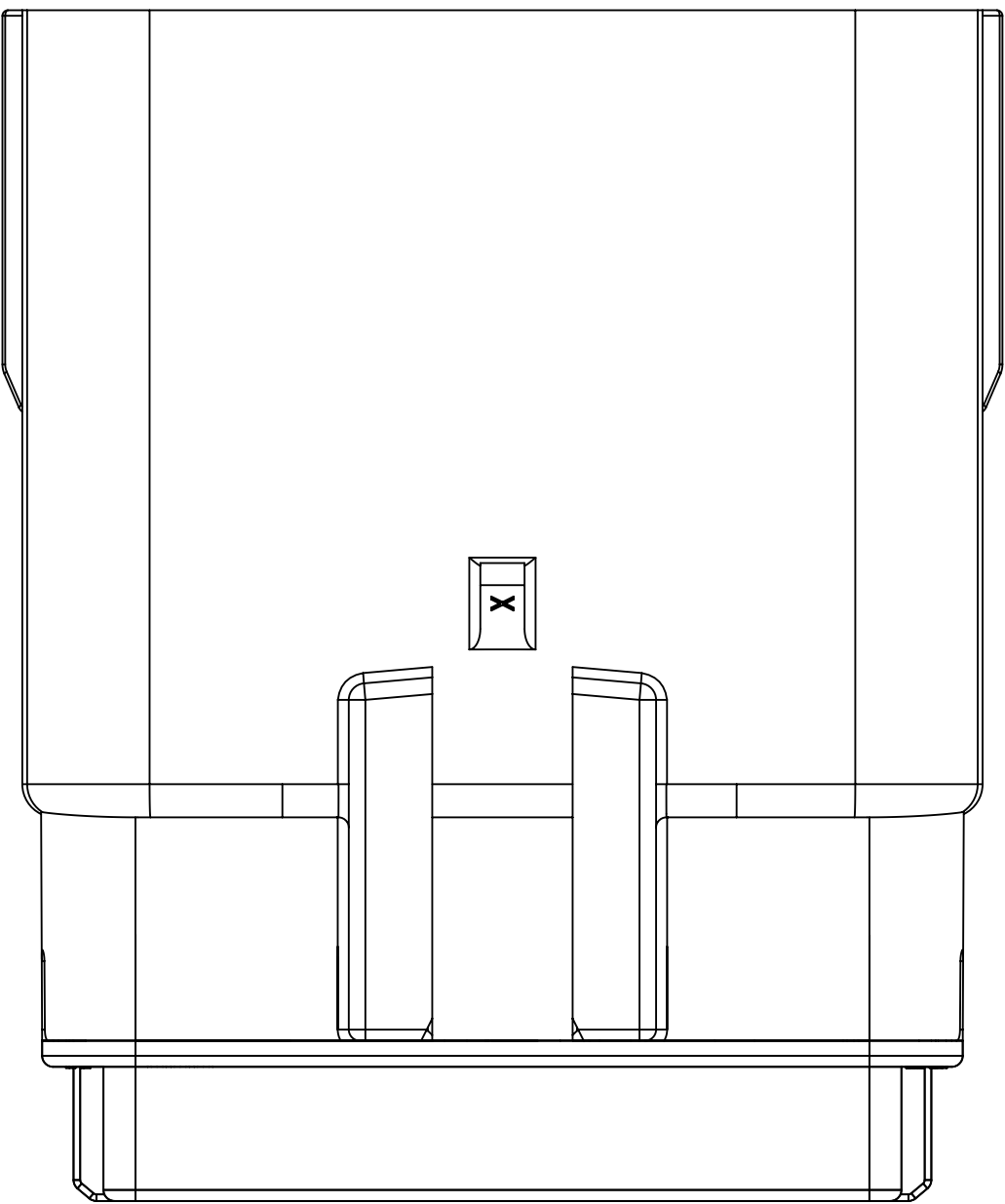
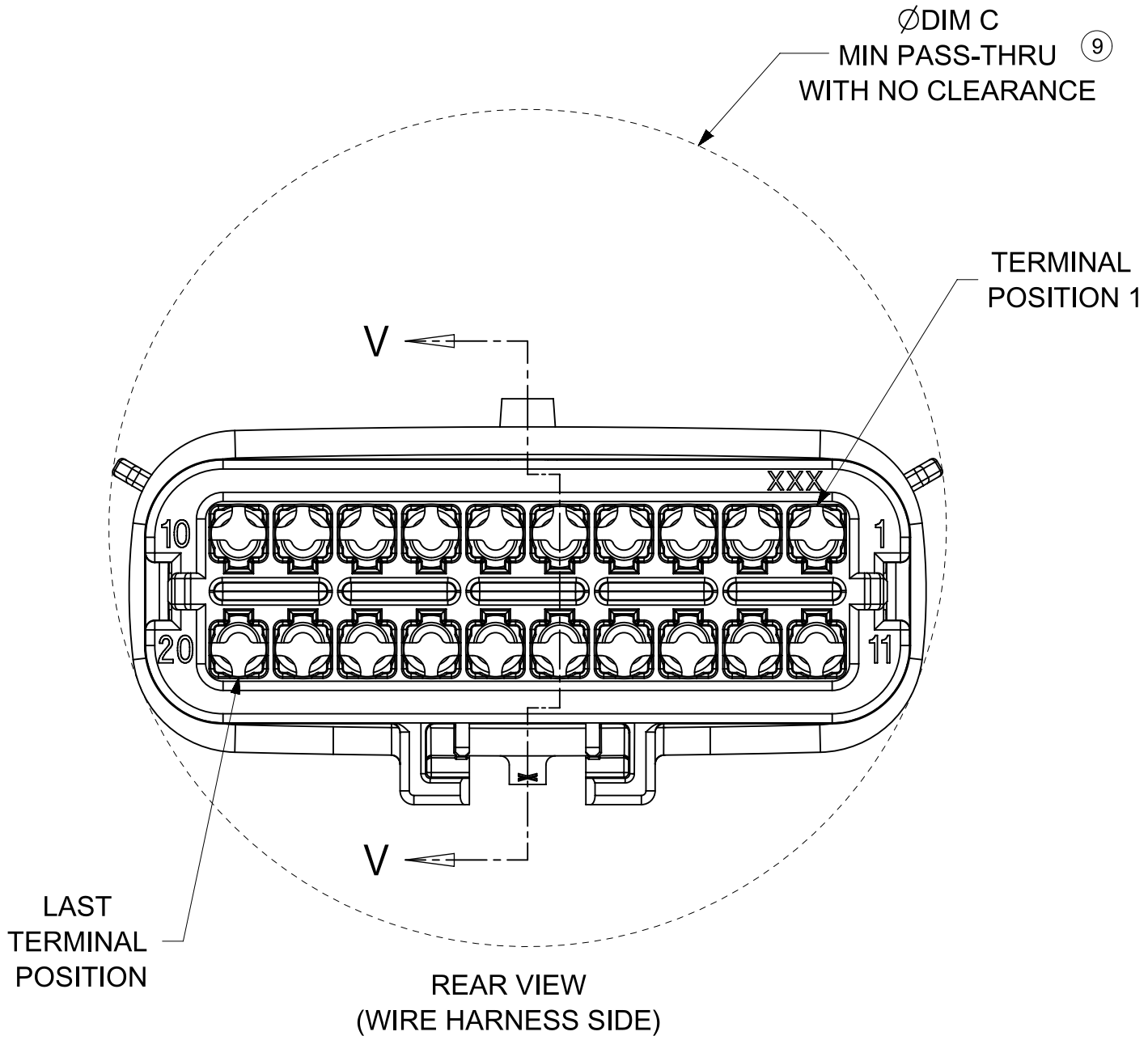
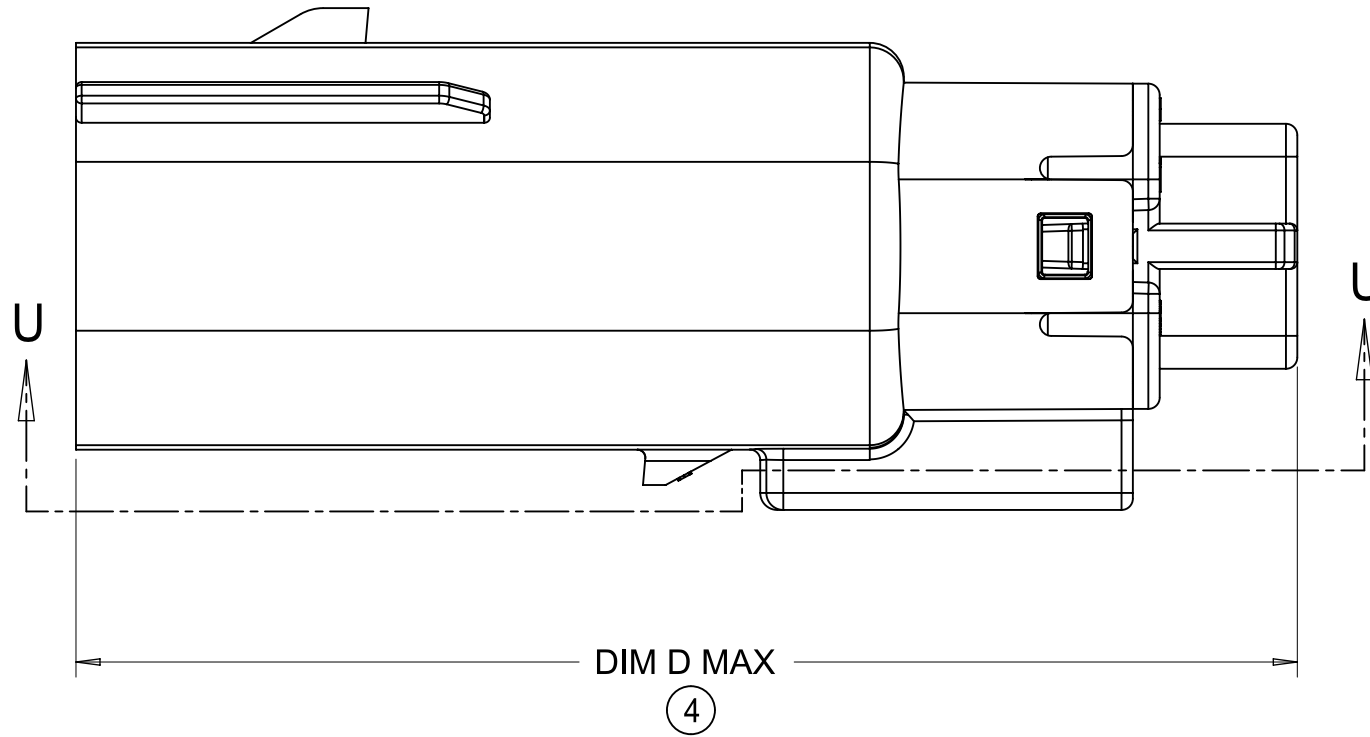
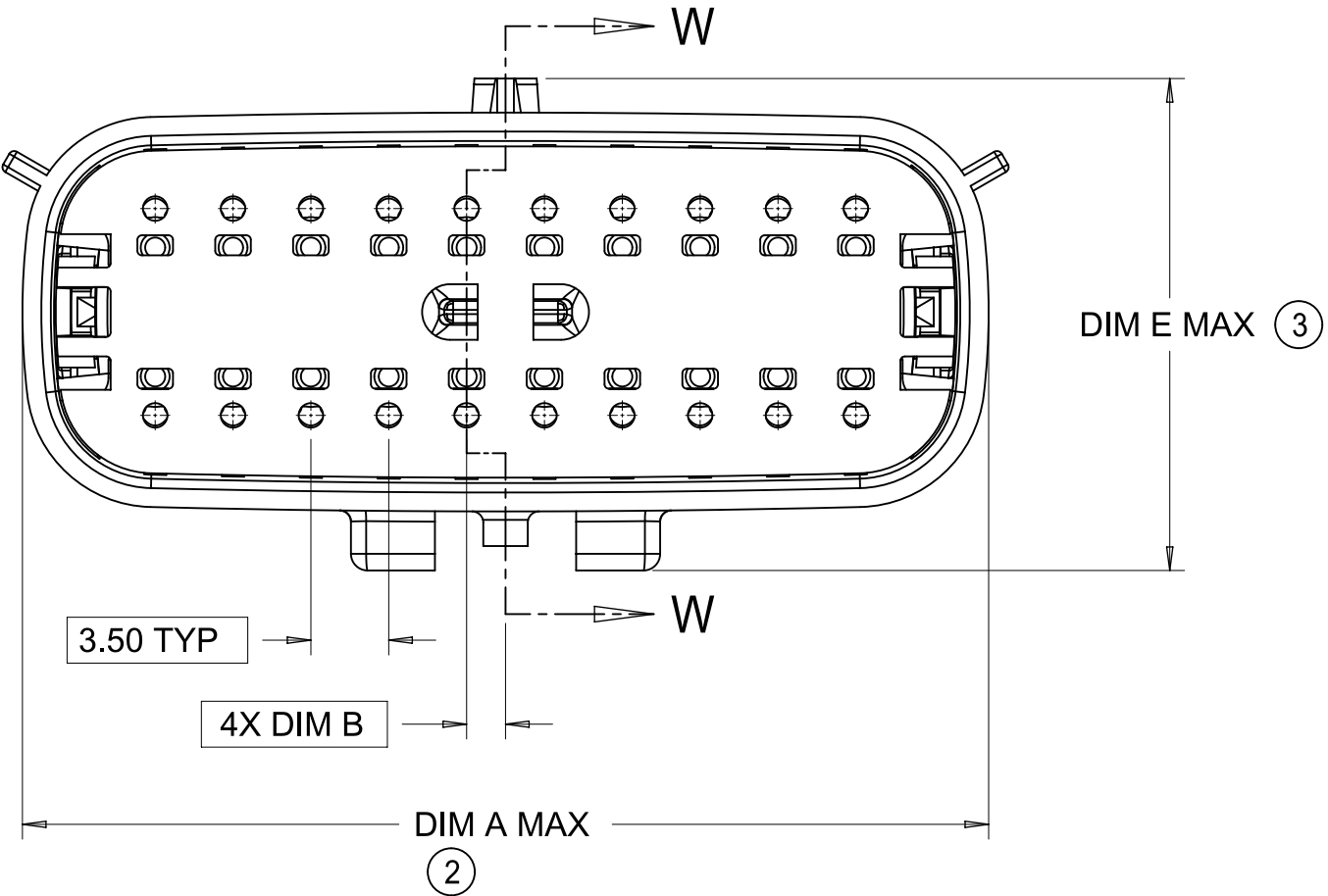
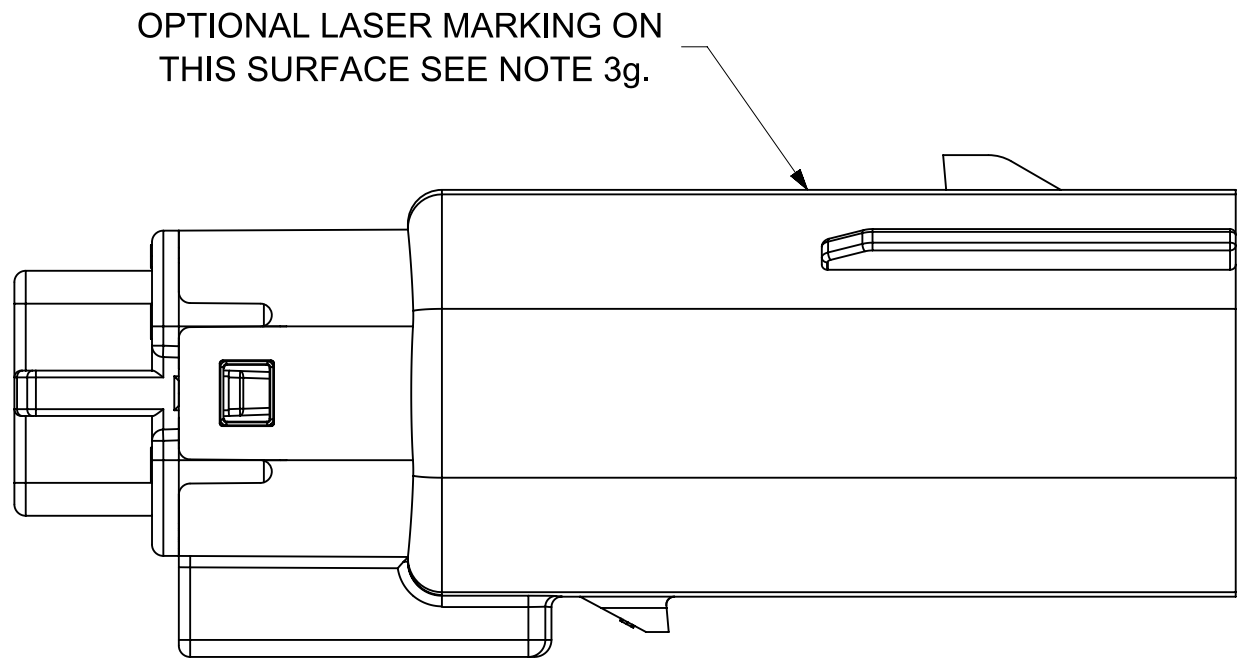


18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1
SHEET DESCRIPTION																	
CONFIGURATIONS																	
* MINOR GEOMETRY CHANGE THAN STANDARD CONFIGURATION. SEE NOTE 2a FOR MORE INFORMATION																	
FUNCTIONAL SYMBOLS EA = 0 EC = 0 EP = 0 DIVISIONAL SYMBOLS <td colspan="2"> THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION DIMENSION UNITS mm SCALE 1.5:1 GENERAL TOLERANCES (UNLESS SPECIFIED) ANGULAR TOL ± 1° 4 PLACES ± 3 PLACES ± 2 PLACES ± 0.100 1 PLACE ± 0.20 0 PLACES ± DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS THIRD ANGLE PROJECTION <td colspan="4"> CURRENT REV DESC: STATUS: Production DRWN: Yann Chen CHK'D: Yu Chao Fu APPR: Elvis Song 2023-09-26 2023-09-26 2023-09-27 DRAWING A1-SIZE SERIES 33482 </td><td colspan="2"> PRODUCT SALES DRAWING DOCUMENT NUMBER SD-33482-0001 DOC TYPE PSD DOC PART 001 REVISION E3 </td><td colspan="2"> MATERIAL NUMBER CUSTOMER SHEET NUMBER </td> </td>		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION DIMENSION UNITS mm SCALE 1.5:1 GENERAL TOLERANCES (UNLESS SPECIFIED) ANGULAR TOL ± 1° 4 PLACES ± 3 PLACES ± 2 PLACES ± 0.100 1 PLACE ± 0.20 0 PLACES ± DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS THIRD ANGLE PROJECTION <td colspan="4"> CURRENT REV DESC: STATUS: Production DRWN: Yann Chen CHK'D: Yu Chao Fu APPR: Elvis Song 2023-09-26 2023-09-26 2023-09-27 DRAWING A1-SIZE SERIES 33482 </td><td colspan="2"> PRODUCT SALES DRAWING DOCUMENT NUMBER SD-33482-0001 DOC TYPE PSD DOC PART 001 REVISION E3 </td><td colspan="2"> MATERIAL NUMBER CUSTOMER SHEET NUMBER </td>		CURRENT REV DESC: STATUS: Production DRWN: Yann Chen CHK'D: Yu Chao Fu APPR: Elvis Song 2023-09-26 2023-09-26 2023-09-27 DRAWING A1-SIZE SERIES 33482				PRODUCT SALES DRAWING DOCUMENT NUMBER SD-33482-0001 DOC TYPE PSD DOC PART 001 REVISION E3		MATERIAL NUMBER CUSTOMER SHEET NUMBER							
				GENERAL MARKET		2 OF 11											

18		17		16		15		14		13		12		11		10		9		8		7		6		5		4		3		2		1							
SHEET DESCRIPTION																																									
KEY CONFIGURATIONS CONT.																																									
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THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION																																									
CURRENT REV DESC:																																									
STATUS: Production																																									
DRWN: Yann Chen																																									
CHK'D: Yu Chao Fu																																									
APPR: Elvis Song																																									
2023-09-26																																									
2023-09-26																																									
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DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS																																									
THIRD ANGLE PROJECTION																																									
DRAWING SERIES																																									
A1-SIZE 33482																																									
MATERIAL NUMBER																																									
CUSTOMER																																									
GENERAL MARKET																																									
SHEET NUMBER																																									
4 OF 11																																									

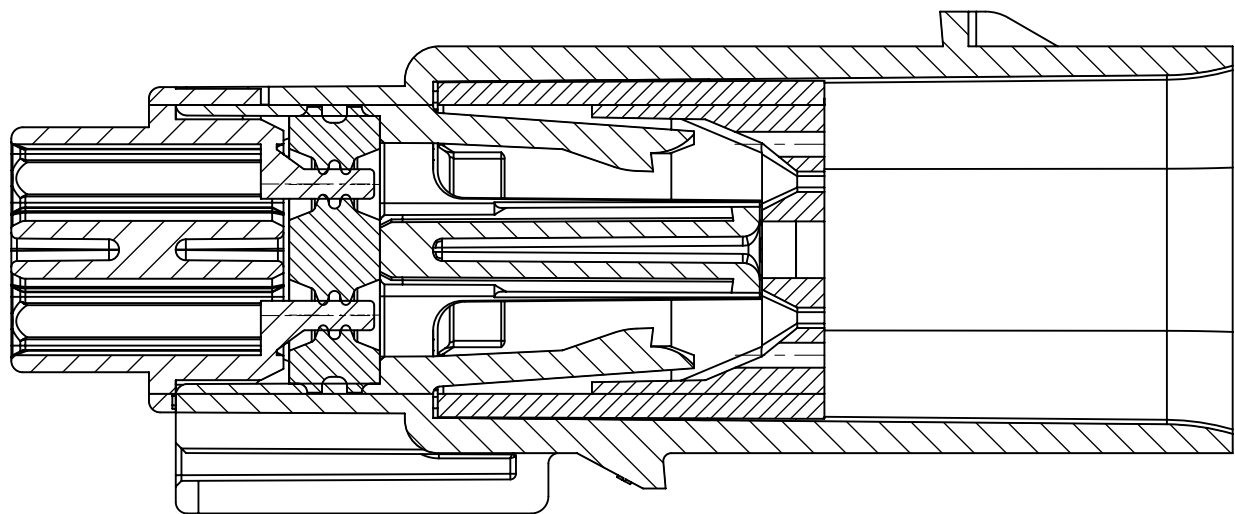
SHEET DESCRIPTION	
BLADE SEALED ASSEMBLY	

CHARTED DIMENSION					
DESCRIPTION	DIMENSIONS				
	A	B	C	D	E
2X2	15.54	1.75	24.40	54.45	22.23
2X3 STANDARD	19.04	3.50	26.21	54.45	22.23
2X3 LENGTHENED	19.04	3.50	26.21	56.45	22.23
2X4	22.54	1.75	27.21	54.45	22.23
2X6	29.54	1.75	32.27	54.45	22.23
2X8	36.54	1.75	38.88	54.45	22.23
2X10	43.64	1.75	45.65	54.45	22.05



PRIMARY LOCK REINFORCEMENT (PLR) SHOWN
IN PRE-STAGED POSITION

SECTION W-W

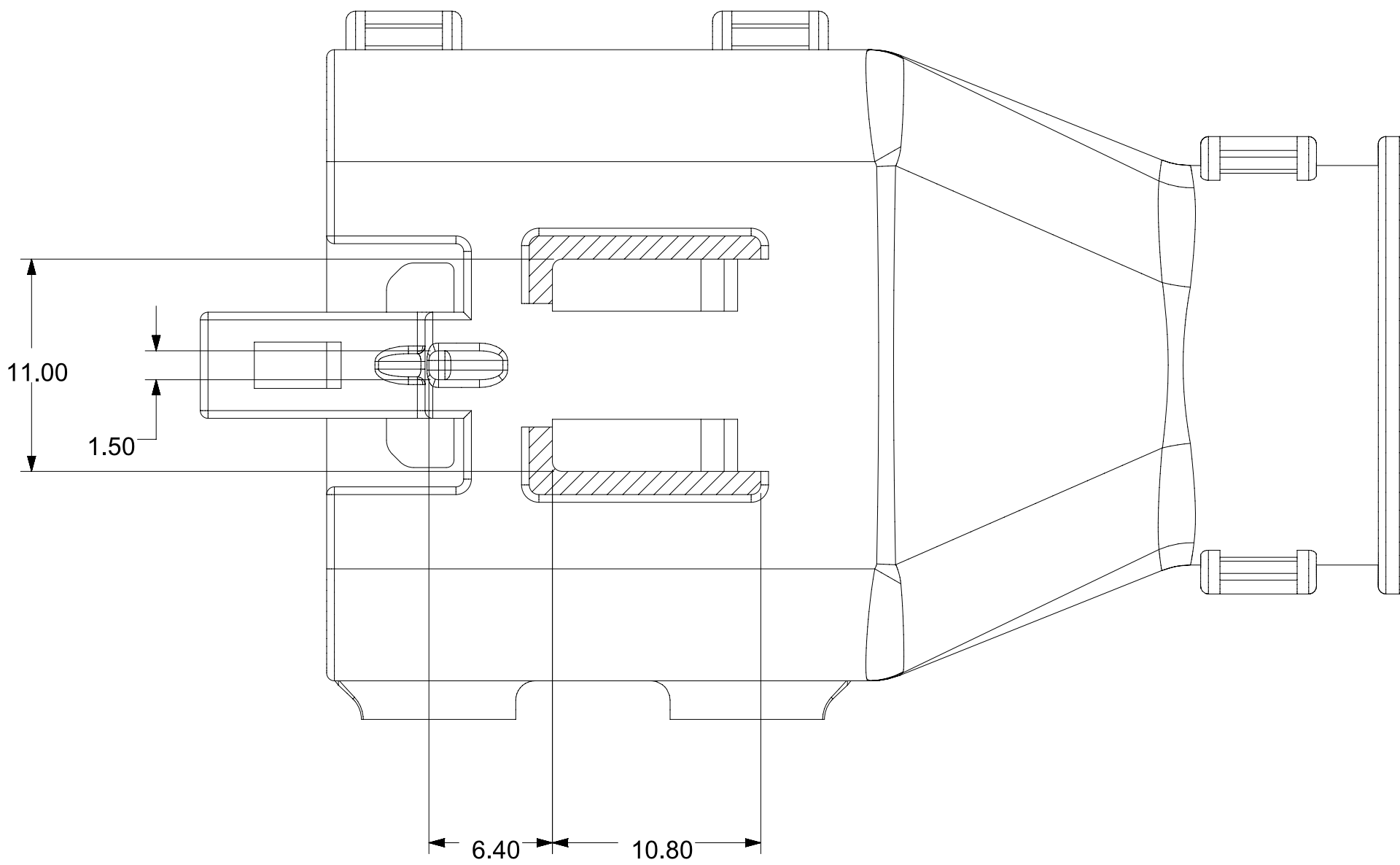
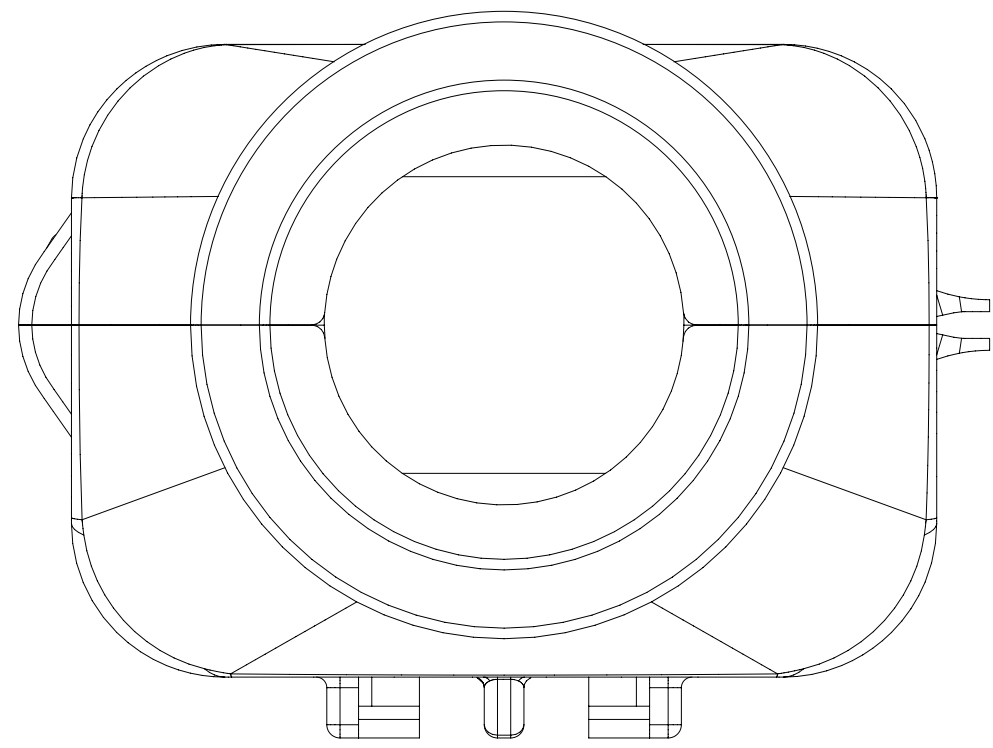
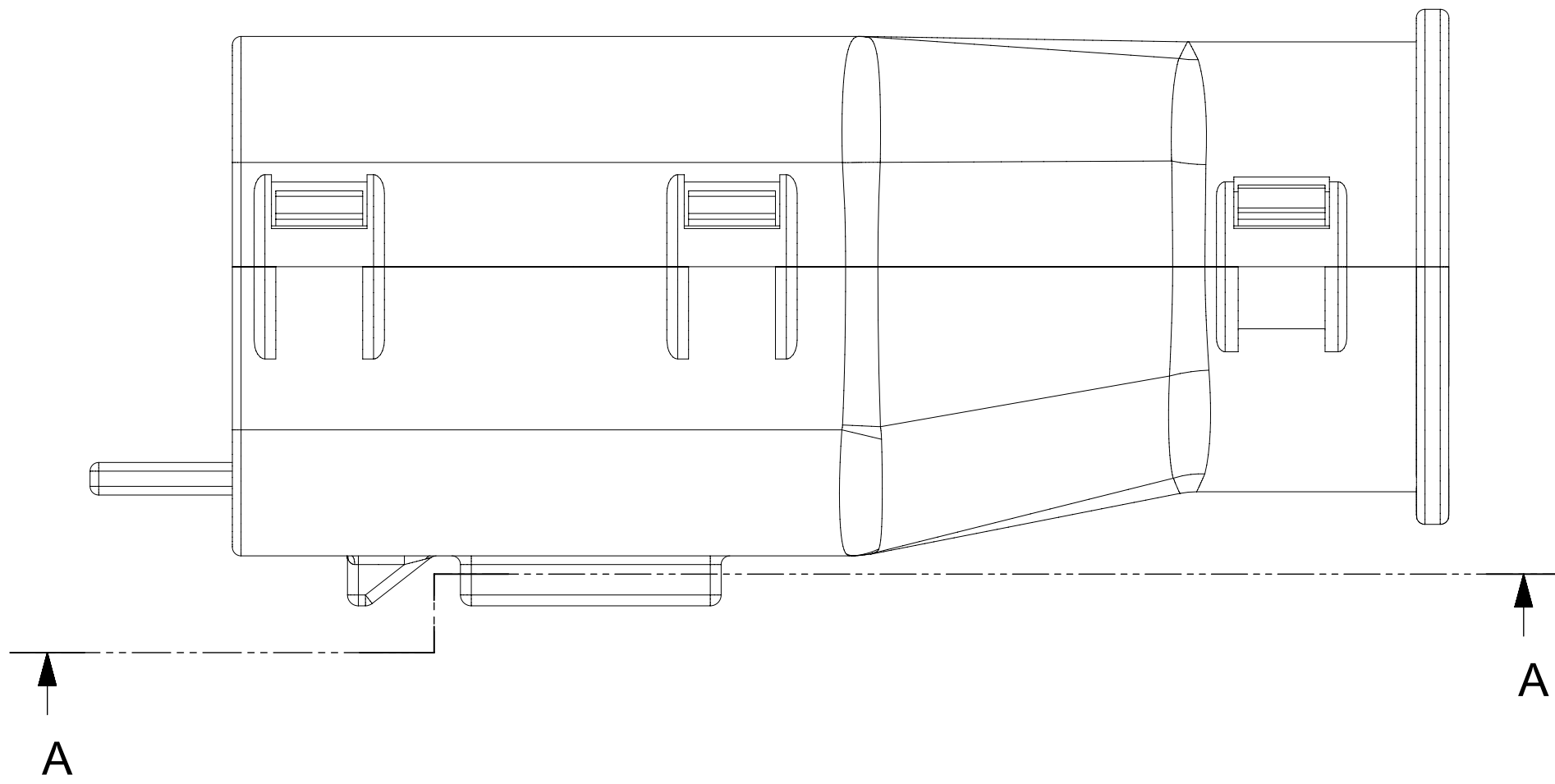
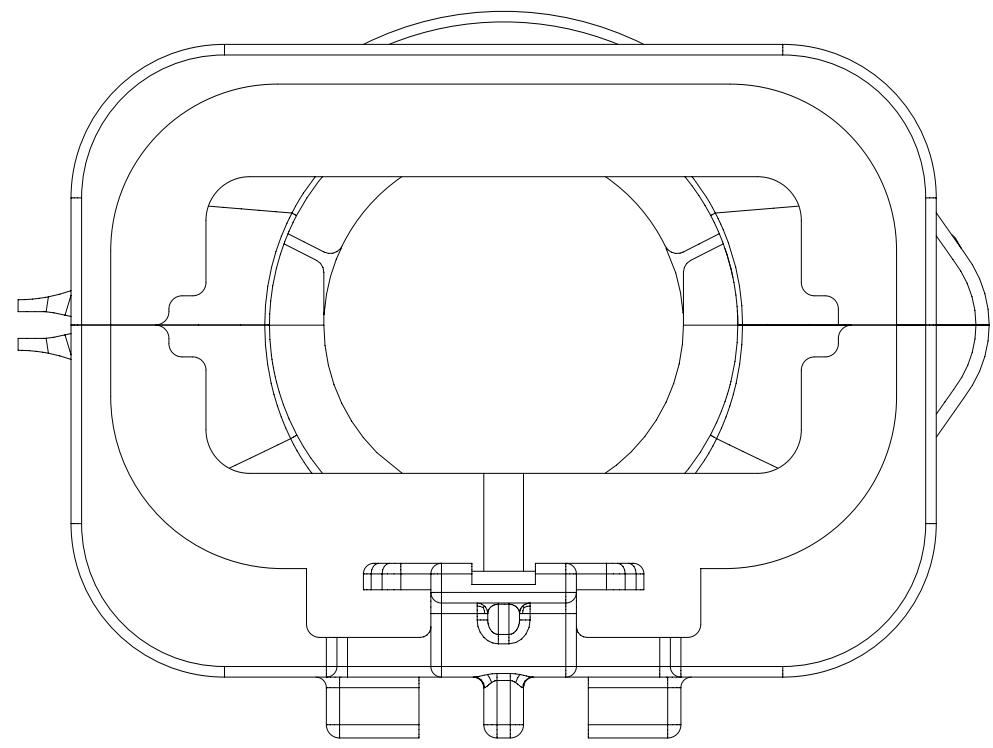
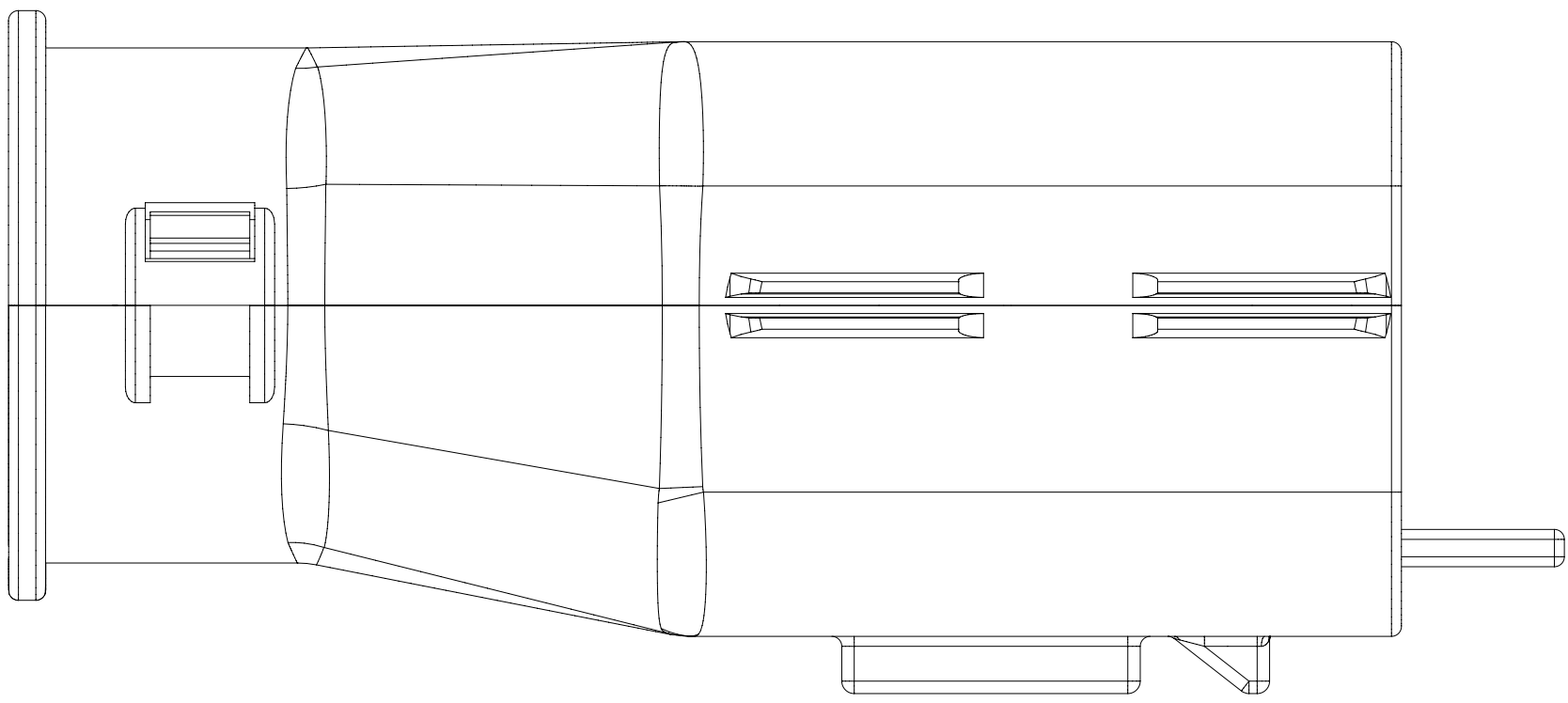


PRIMARY LOCK REINFORCEMENT (PLR) SHOWN
IN FINAL-LOCK POSITION

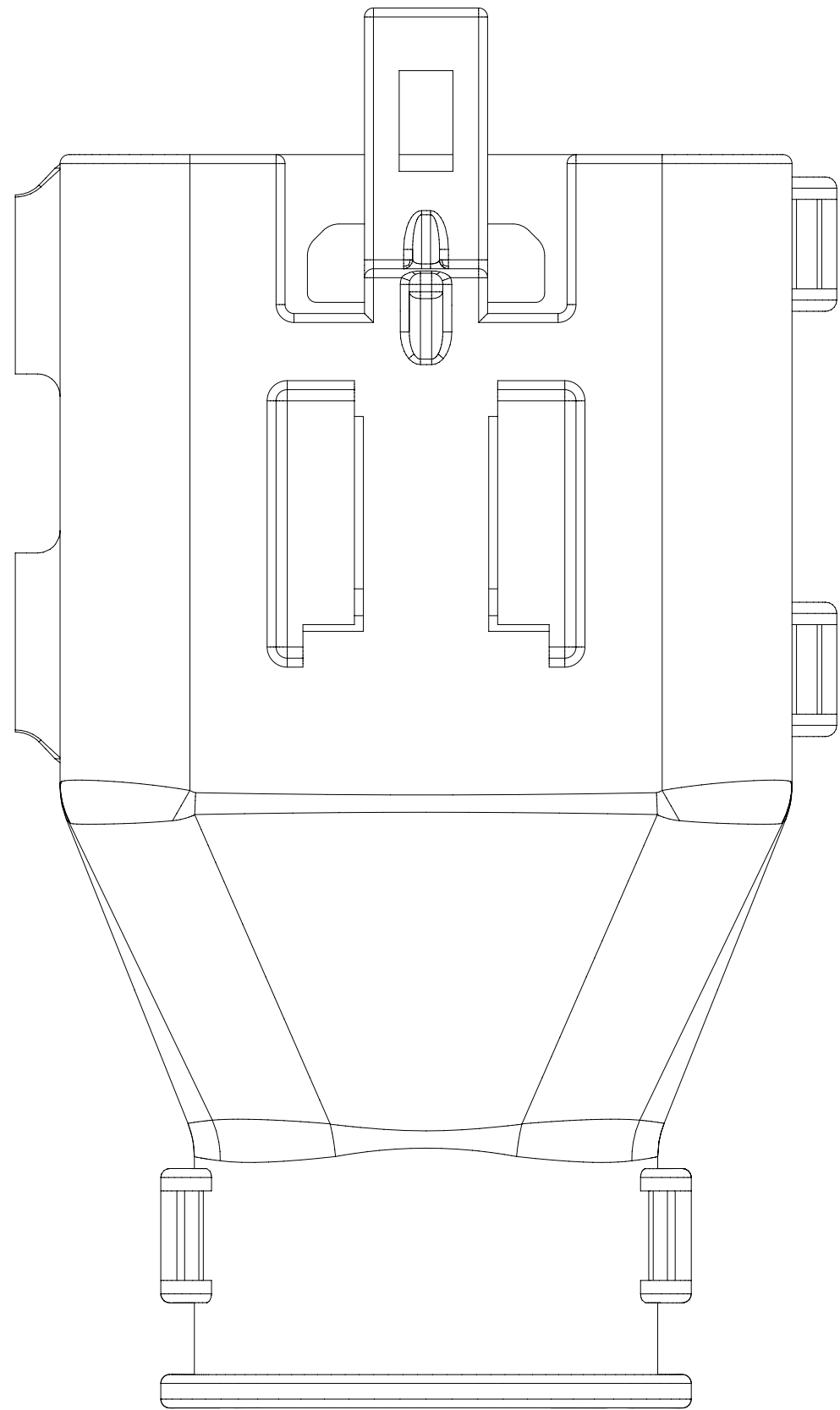
SECTION V-V

FUNCTIONAL SYMBOLS	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION														
	DIMENSION UNITS		SCALE		CURRENT REV DESC:										
	mm		3:1												
	GENERAL TOLERANCES (UNLESS SPECIFIED)				molex MX150 BLADE DUAL ROW SEALED ASSEMBLY PRODUCT SALES DRAWING										
	ANGULAR TOL ± 1°														
	4 PLACES		±												
	3 PLACES		±												
	2 PLACES		± 0.100												
	1 PLACE		± 0.20												
	0 PLACES		±												
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				THIRD ANGLE PROJECTION		DRAWING		SERIES		MATERIAL NUMBER		CUSTOMER		SHEET NUMBER	
				A1-SIZE		33482				GENERAL MARKET		5 OF 11			

SHEET DESCRIPTION
SCHLEMMER BACKSHELL



SECTION A-A



FUNCTIONAL SYMBOLS DIVISIONAL SYMBOLS	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION														
	DIMENSION UNITS		SCALE		CURRENT REV DESC:						molex MX150 BLADE DUAL ROW SEALED ASSEMBLY				
	mm		3.5:1												
	GENERAL TOLERANCES (UNLESS SPECIFIED)				STATUS: Production DRWN: Yann Chen CHK'D: Yu Chao Fu APPR: Elvis Song						PRODUCT SALES DRAWING				
	ANGULAR TOL ± 1°														
	4 PLACES		±												
	3 PLACES		±												
	2 PLACES		± 0.100												
	1 PLACE		± 0.20		2023-09-26 2023-09-26 2023-09-27		DOCUMENT NUMBER		DOC TYPE		DOC PART		REVISION		
	0 PLACES		±				SD-33482-0001		PSD		001		E3		
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				THIRD ANGLE PROJECTION		DRAWING		SERIES		MATERIAL NUMBER		CUSTOMER		SHEET NUMBER	
				A1-SIZE		33482				GENERAL MARKET		8 OF 11			

