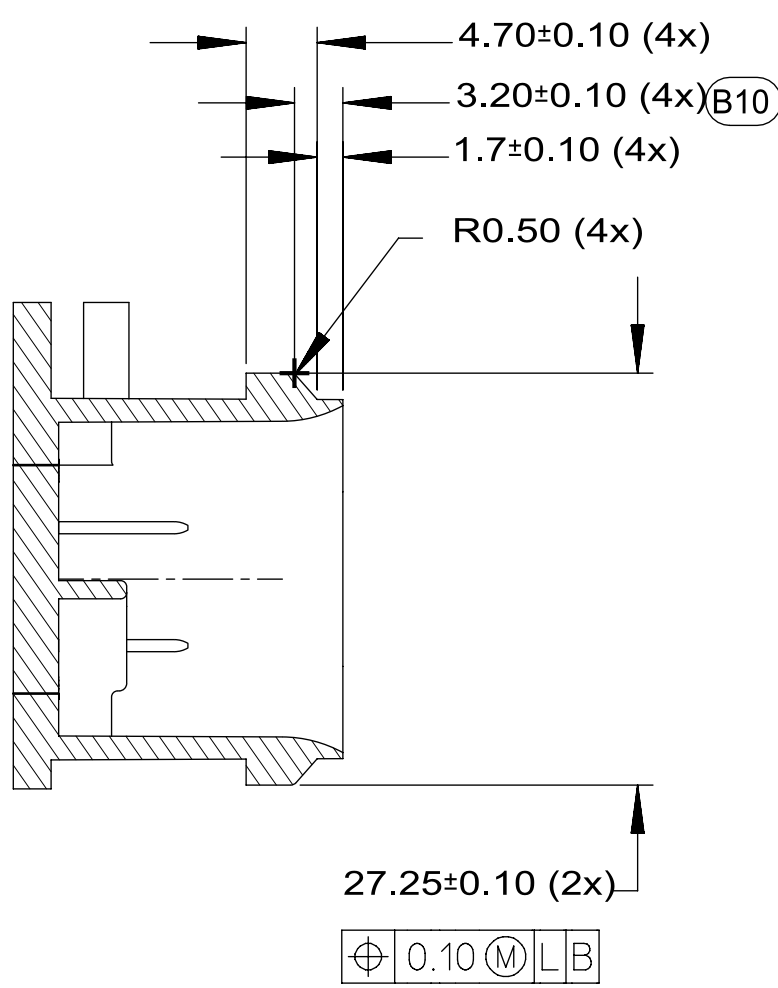
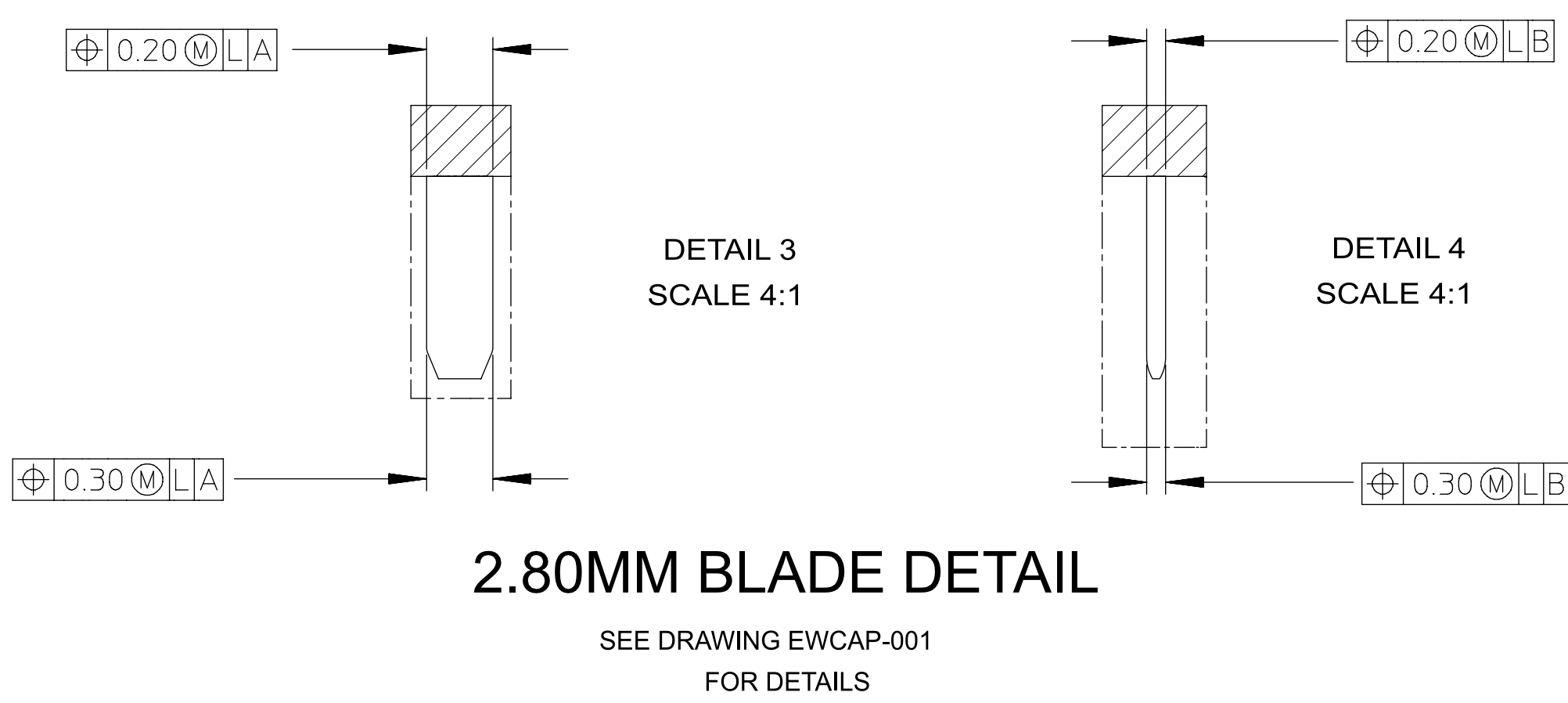
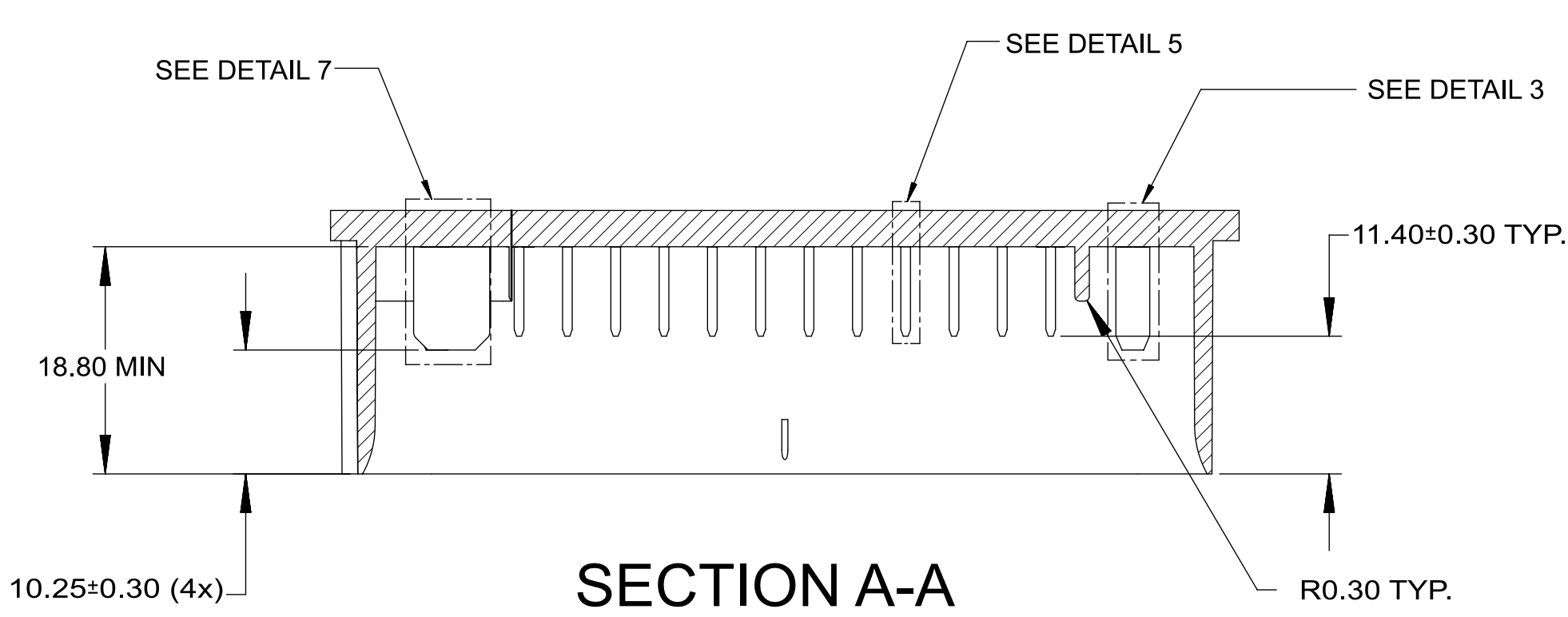
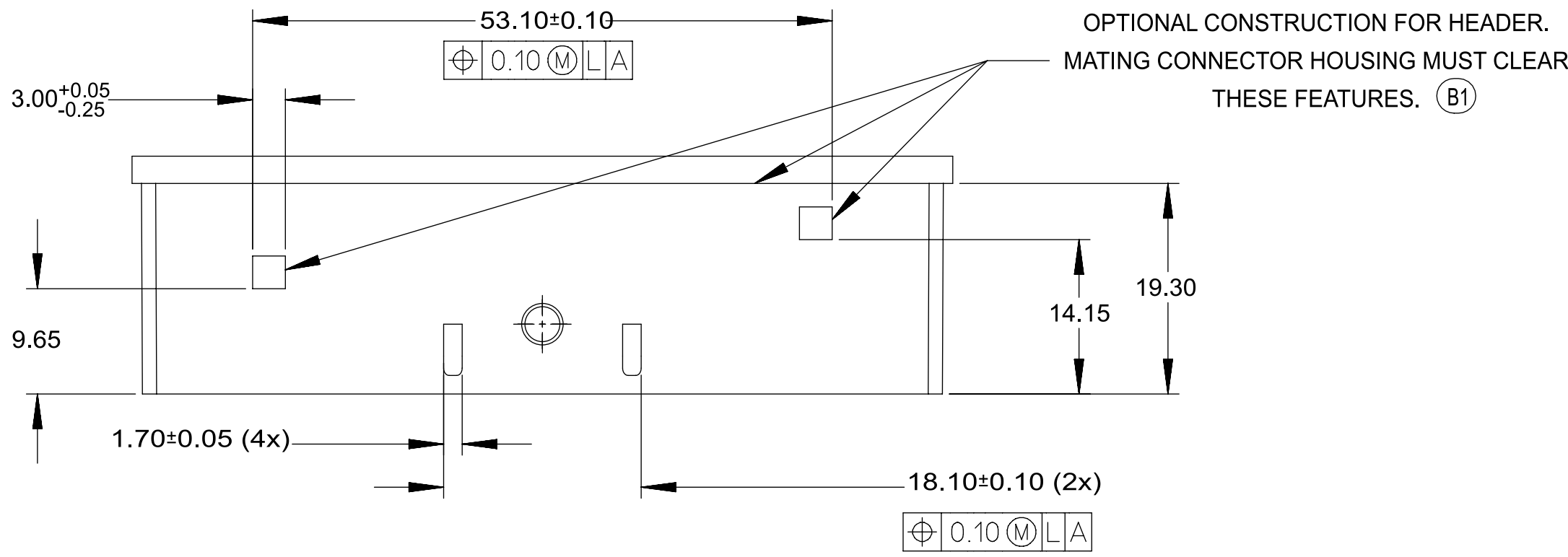
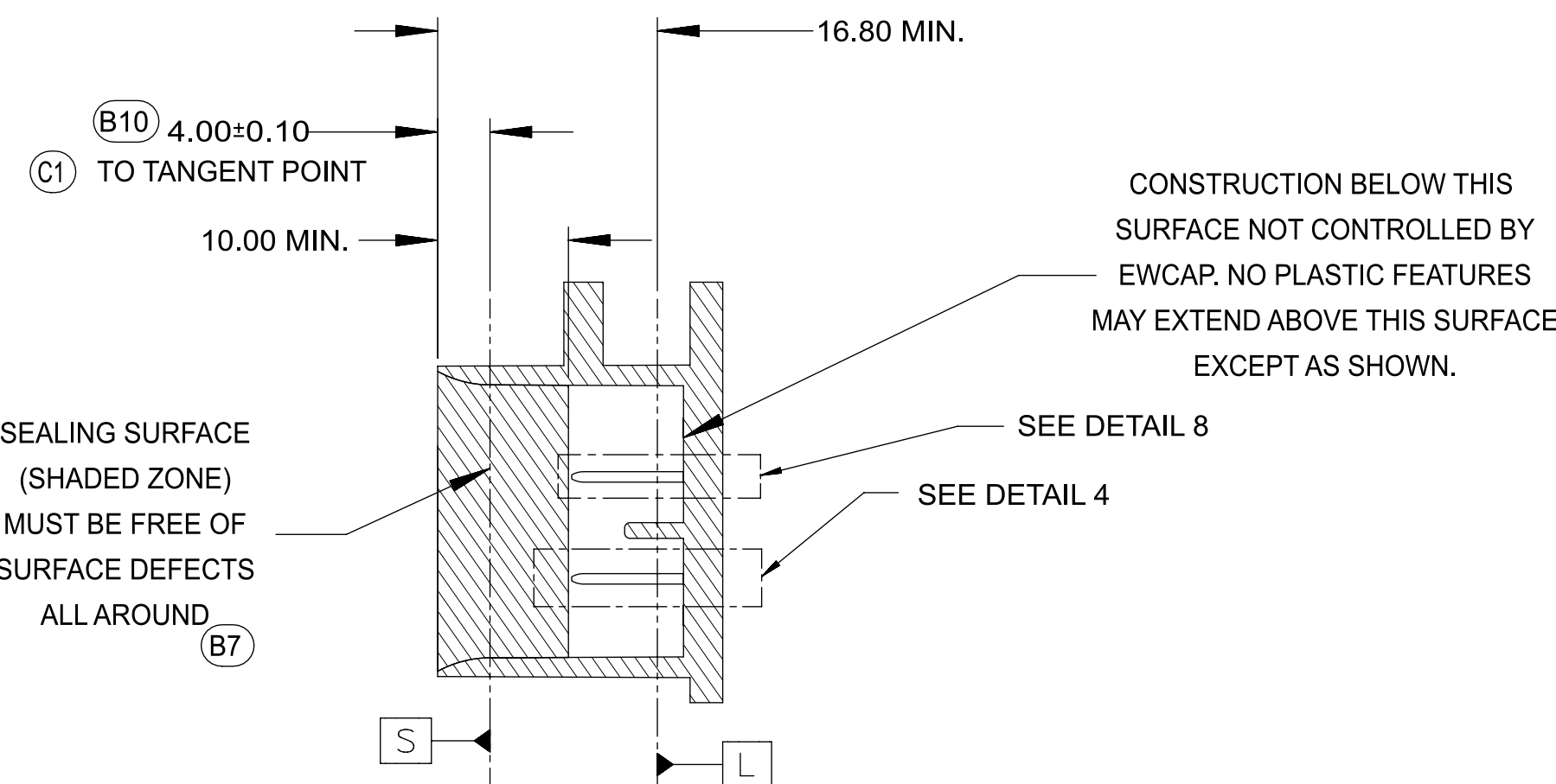
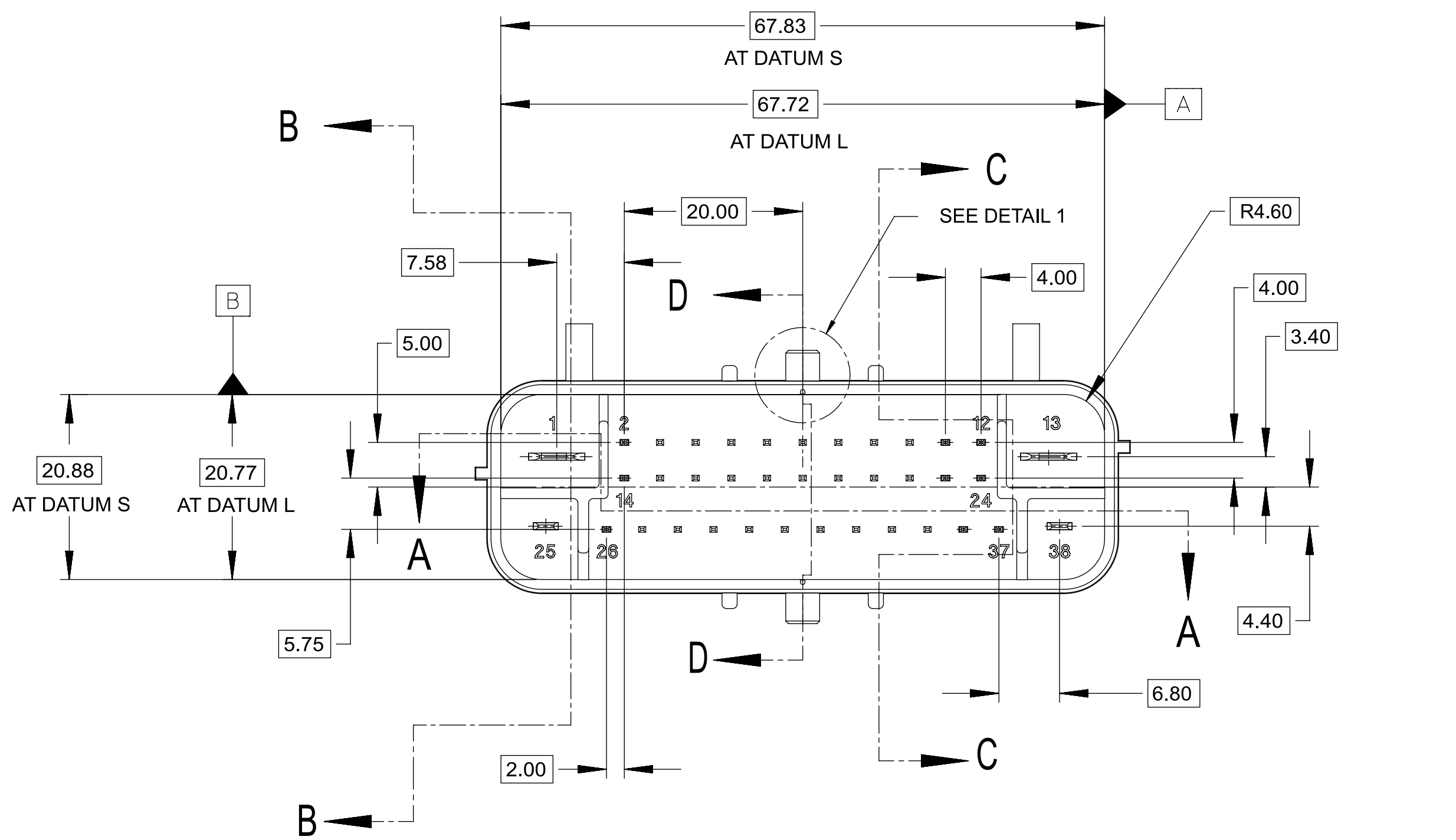


NOTES:

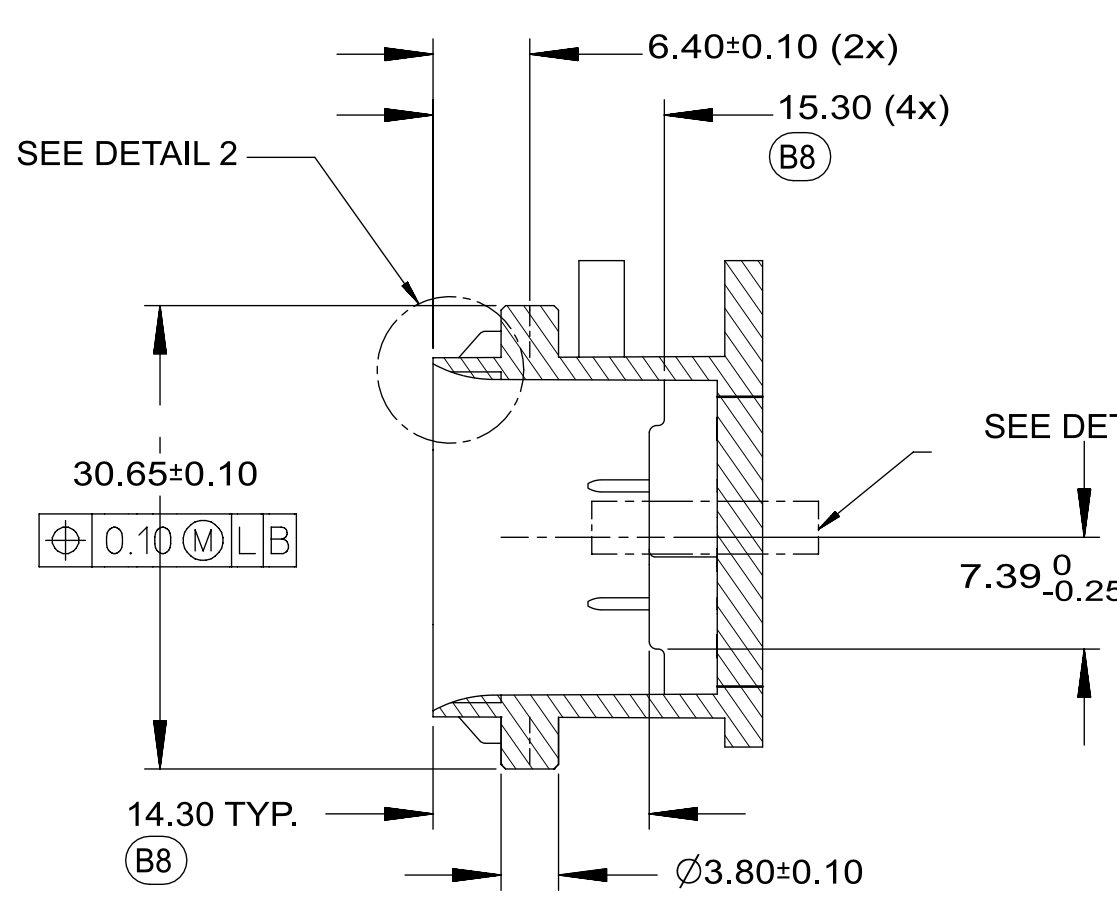
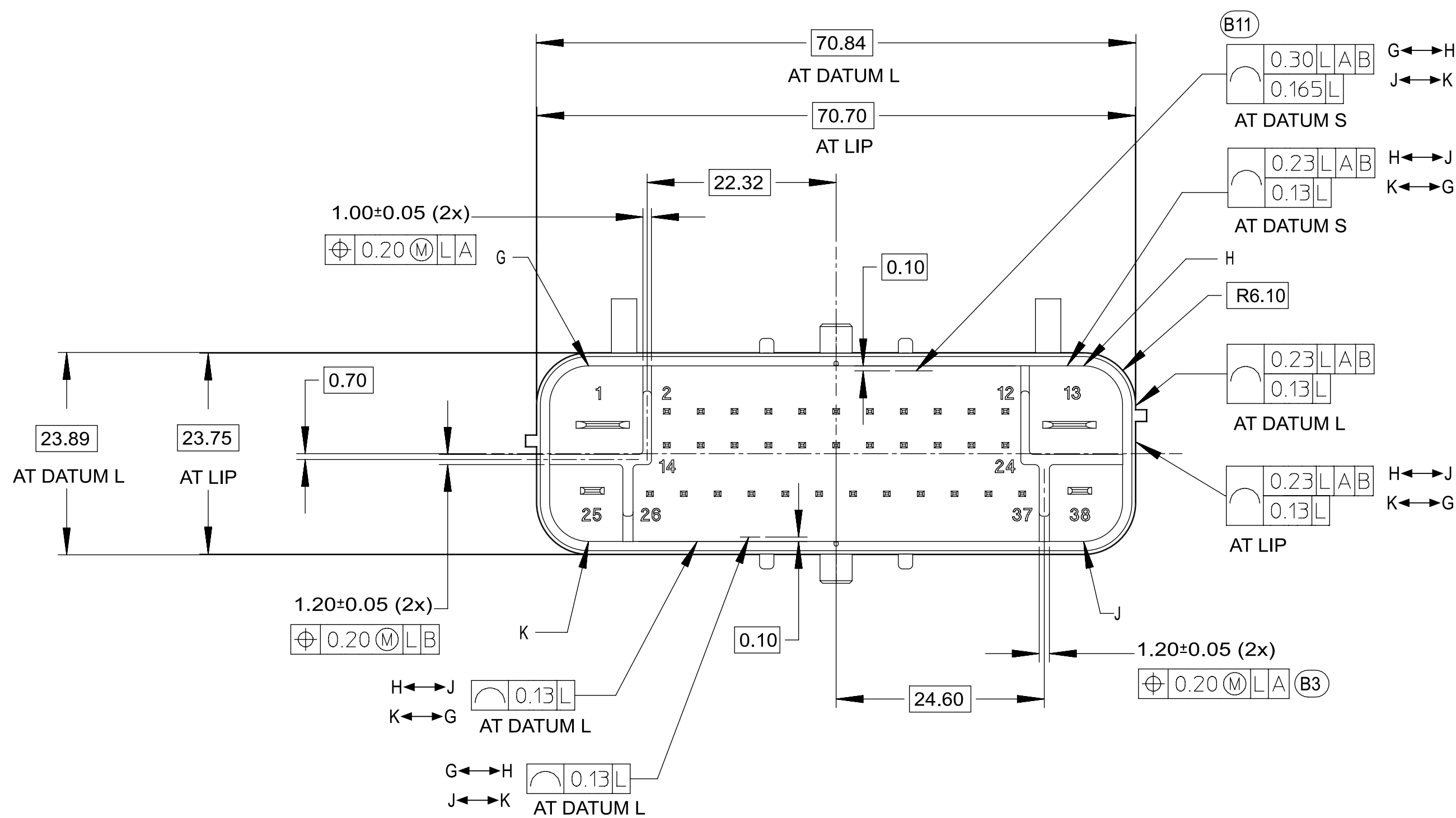
1. ALL DIMENSIONS SHOWN IN MILLIMETERS.
2. DIMENSIONING AND TOLERANCING PER ASME Y14.5-1994.
3. RADII ON ALL CORNERS SHOWN SHARP OR ALL UNSPECIFIED RADII: 0.25 EXCEPT AS NOTED.
4. REFER TO "SAE/USCAR-12 CONNECTOR DESIGN GUIDELINES" FOR ADDITIONAL INFORMATION.
5. 0.25 DEGREE DRAFT ON ALL INSIDE SURFACES, UNLESS OTHERWISE SPECIFIED.
6. STANDARD COLORS FOR POLARIZATION - DEVIATION REQUIRES APPROVAL OF AUTHORIZED PERSON.
7. REFER TO DRAWING EWCAP-001 FOR TERMINAL GEOMETRY AND PLATING DETAILS.



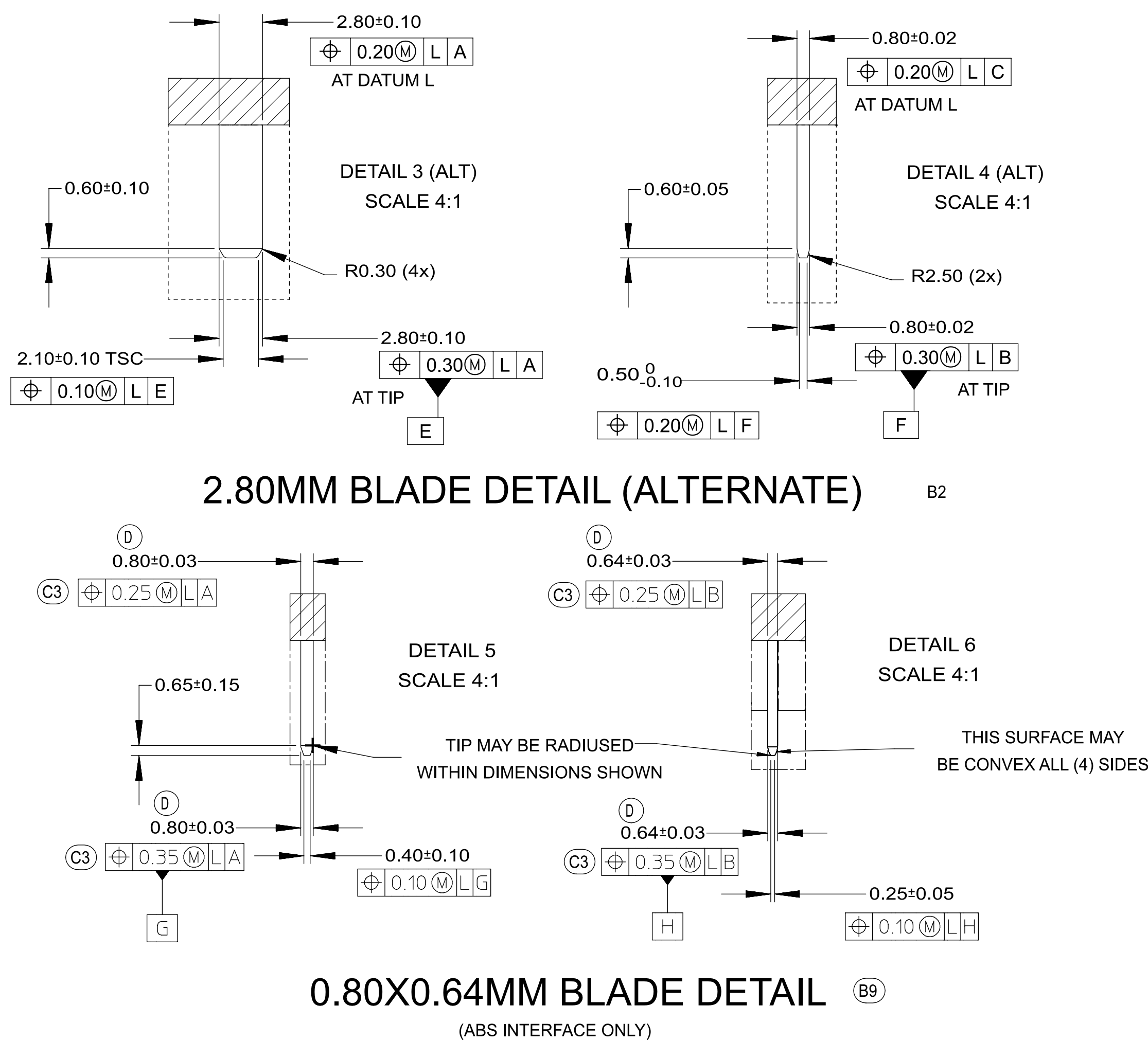
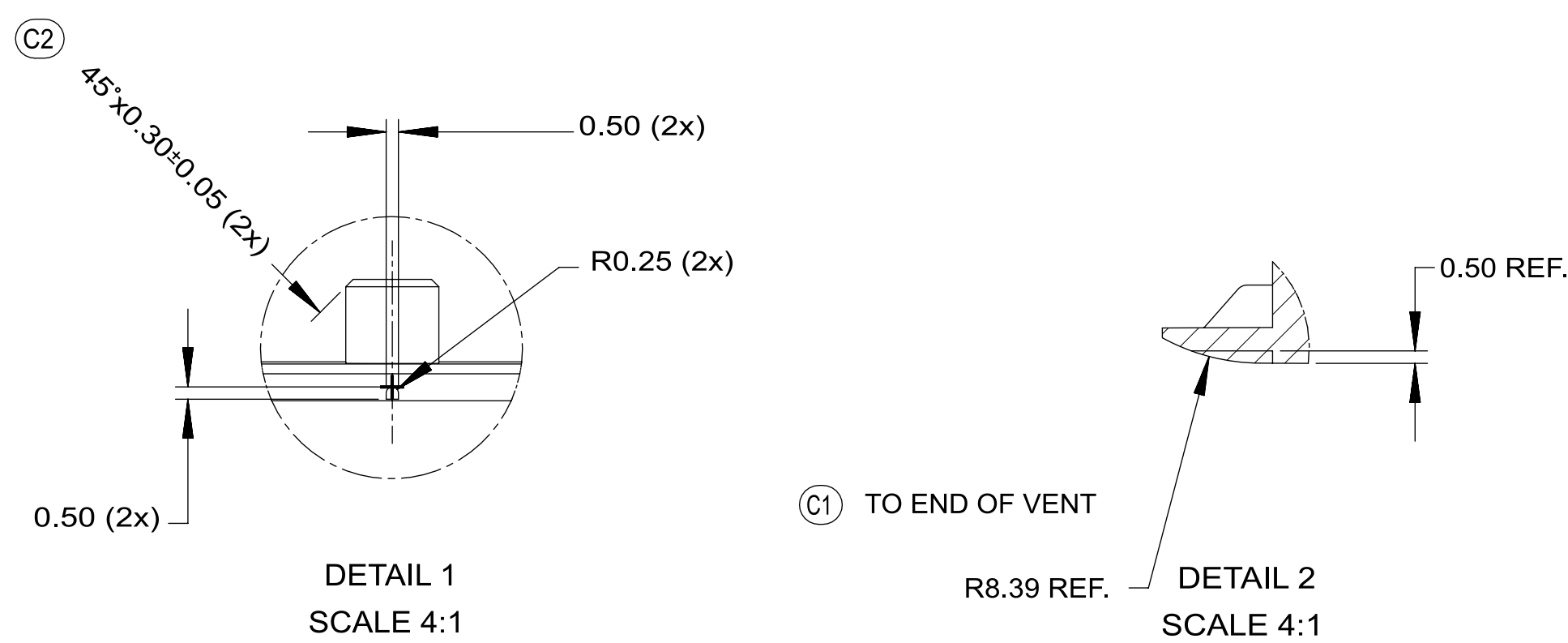
SECTION C-C



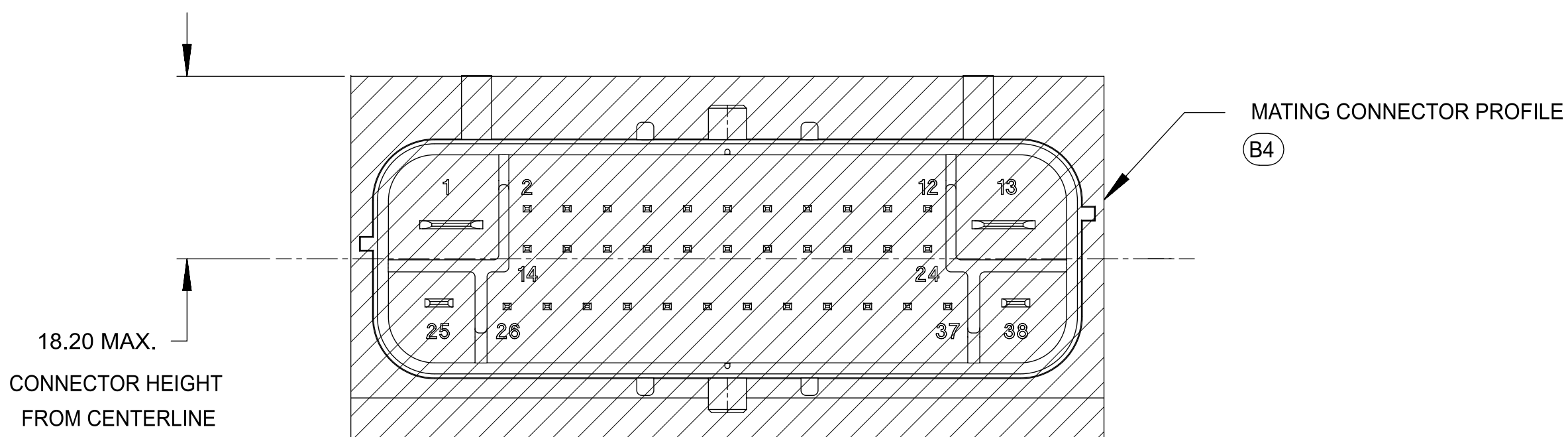
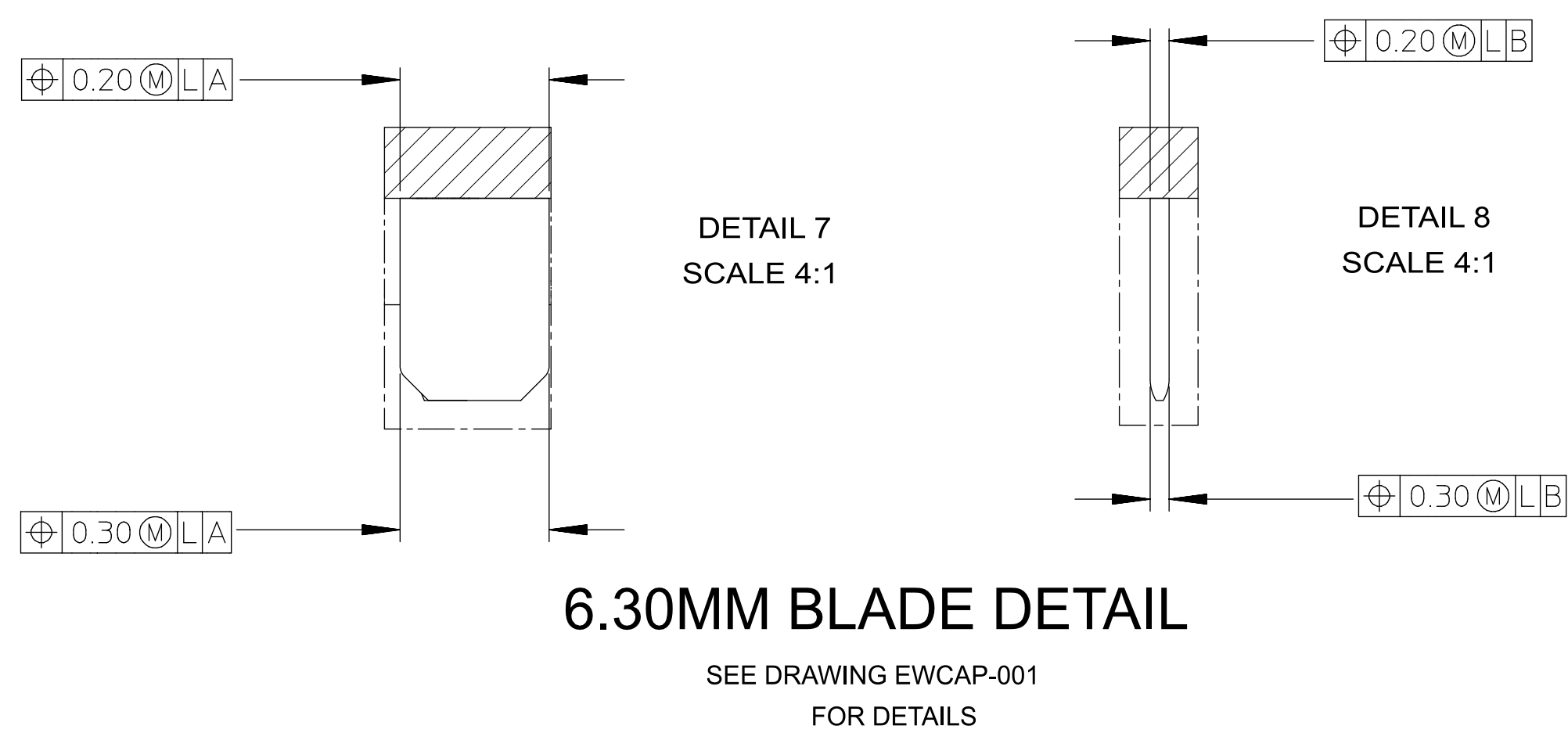
SECTION B-B



SECTION D-D



6.30MM BLADE DETAIL



FUNCTIONAL SYMBOLS		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION															
= 0		DIMENSION UNITS		SCALE		CURRENT REV DESC: RETRACTED AS PER PCN#515997				molex 38 CIRCUIT ABS CONNECTOR INTERFACE OPTION 2							
= 0		MM		2:1													
= 0		GENERAL TOLERANCES (UNLESS SPECIFIED)															
DIVISIONAL SYMBOLS		ANGULAR TOL		±		2°		PRODUCT SALES DRAWING									
		4 PLACES		±													
		3 PLACES		±													
		2 PLACES		±		0.130		STATUS: Production		DOCUMENT NUMBER		DOC TYPE		DOC PART		REVISION	
		1 PLACE		±		0.25		DRWN: Madhava M CHK'D: Ganesh Rao B APPR: Gurunandan GA		2024-10-09 2024-10-30 2024-10-30		999-S-038-3-Z01		PSD		001	
0 PLACES		±															
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION		DRAWING		SERIES		MATERIAL NUMBER		CUSTOMER		SHEET NUMBER					
						E-SIZE		31380		SEE TABLE		GENERAL MARKET		1 OF 2			

TABLE OF CONTENTS	
SHEET NO.	SHEET DESCRIPTION
1	NOTES AND BOM
2	CONFIGURATIONS
3	RECEPTACLE CONNECTOR ASSEMBLY
4	WIRE SHIELD

MATING INTERFACE DRAWINGS	
SERIES	INTERFACE DEFINITION
31380	*999-S-038-3-Z01
31381	*999-S-038-3-Z02

NOTES: VALID UNLESS OTHERWISE SPECIFIED

1. CONNECTOR TO BE SHIPPED WITH TPA IN PRE-LOAD POSITION AS SHOWN IN SECTION Z-Z.

2. ALL TEXT TO BE CLEARLY LEGIBLE AND 1.50MM MIN. HEIGHT.
② MARKING ORIENTATION MAY BE PARALLEL TO THE LENGTH OF THE PART, AS SHOWN, OR PERPENDICULAR TO THE LENGTH OF THE PART.

DATE CODE DESCRIPTION:
-1st THROUGH 3rd DIGIT = "DAY#" OF THE CALENDAR YEAR. (EXAMPLE FEB. 3rd = "034")
-LAST DIGIT = LAST DIGIT OF CALENDAR YEAR. (EXAMPLE: 2000 = "0")
SERIAL NUMBER DESCRIPTION:
-FIRST CHARACTER "M_" = ASSEMBLY MACHINE NUMBER
-FOLLOWING NUMBER STARTS AT "00001" AND IS RESET FOR EACH NEW "DAY#".
MOLEX PART NUMBER:
- SEE TABLE

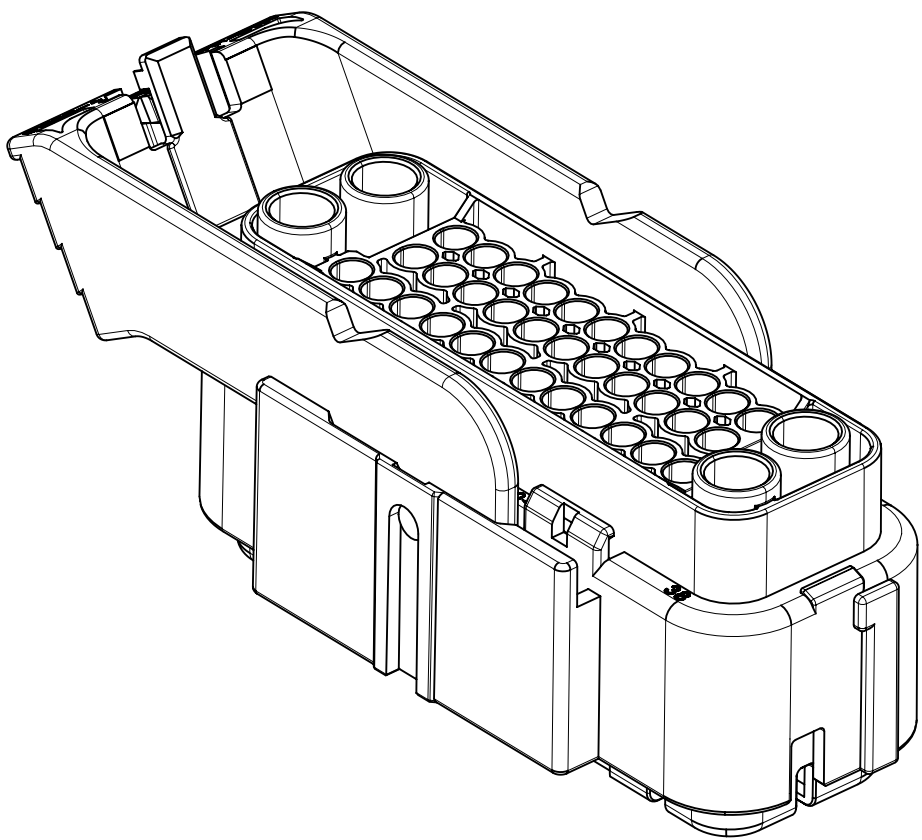
3. DIMENSIONS NOT SHOWN CAN BE OBTAINED FROM THE ASSOCIATED MODEL.

4. GENERAL:
a. APPLICATION SPECIFICATION SEE: AS-31380-001
-CONTAINS: PRODUCT INTRODUCTION, PRODUCT SUMMARY, HARNESS ASSEMBLY, CONNECTOR MATING, AND SERVICE INSTRUCTIONS.
-DESIGNED TO MATE WITH DEVICE AS SPECIFIED IN THE MATING INTERFACE DRAWINGS CHART.
*DENOTES DRAWINGS THAT CAN BE ACCESSED AT <<http://ewcap.uscarteams.org/>>.
b. PRODUCT SPECIFICATION SEE: PS-31380-100
CONTAINS: PRODUCT INTRODUCTION, PRODUCT SUMMARY, RATINGS (CURRENT AND TEMPERATURE), TERMINALS, WIRE DIAMETER RANGE, PRODUCT VALIDATION, AND PRODUCT DEVIATIONS.
c. PACKAGING SPECIFICATION PER MOLEX DRAWING: PK-31300-550
d. PARTS MUST BE IN COMPLIANCE TO MOLEX CHEMICAL SUBSTANCES FOR PRODUCTS AND PACKAGING SPECIFICATION: QEHS-699000-300
e. DATA MUST BE SUBMITTED UNDER THE MOLEX PART NUMBER TO IMDS (COMPANY ID#13255)

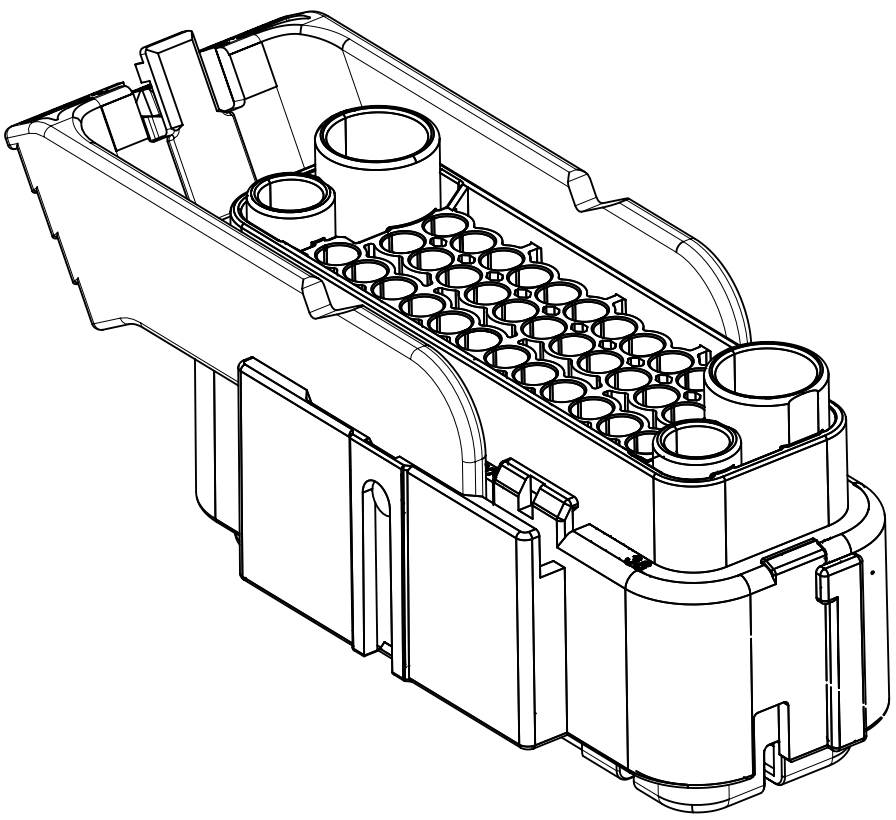
5. DESIGN - MATERIALS:
a. SEE BOM TABLE IN SD-31380-0002

6. DESIGN - GEOMETRY:
a. THE 3-D CAD DATA IS BASIC (WITHOUT TOLERANCE) AND MASTER FOR THIS PART WITH THE EXCEPTION OF UNDERLINED DIMENSIONS. DIMENSIONAL INFORMATION NOT SHOWN ON THIS DRAWING IS DEFINED BY THE DATA FILE AT ITS LATEST REVISION.
b. GEOMETRIC DIMENSIONS AND TOLERANCES PER ASME Y14.5M-2009
c. EDGES AND UNDIMENSIONED DETAILS PER ISO13715
d. CORNERS SHOWN AS SHARP TO BE R 0.2 MAX.
e. VISUAL DEFECTS SHALL MEET COSMETIC STANDARD PS-45499-002 (Class B).

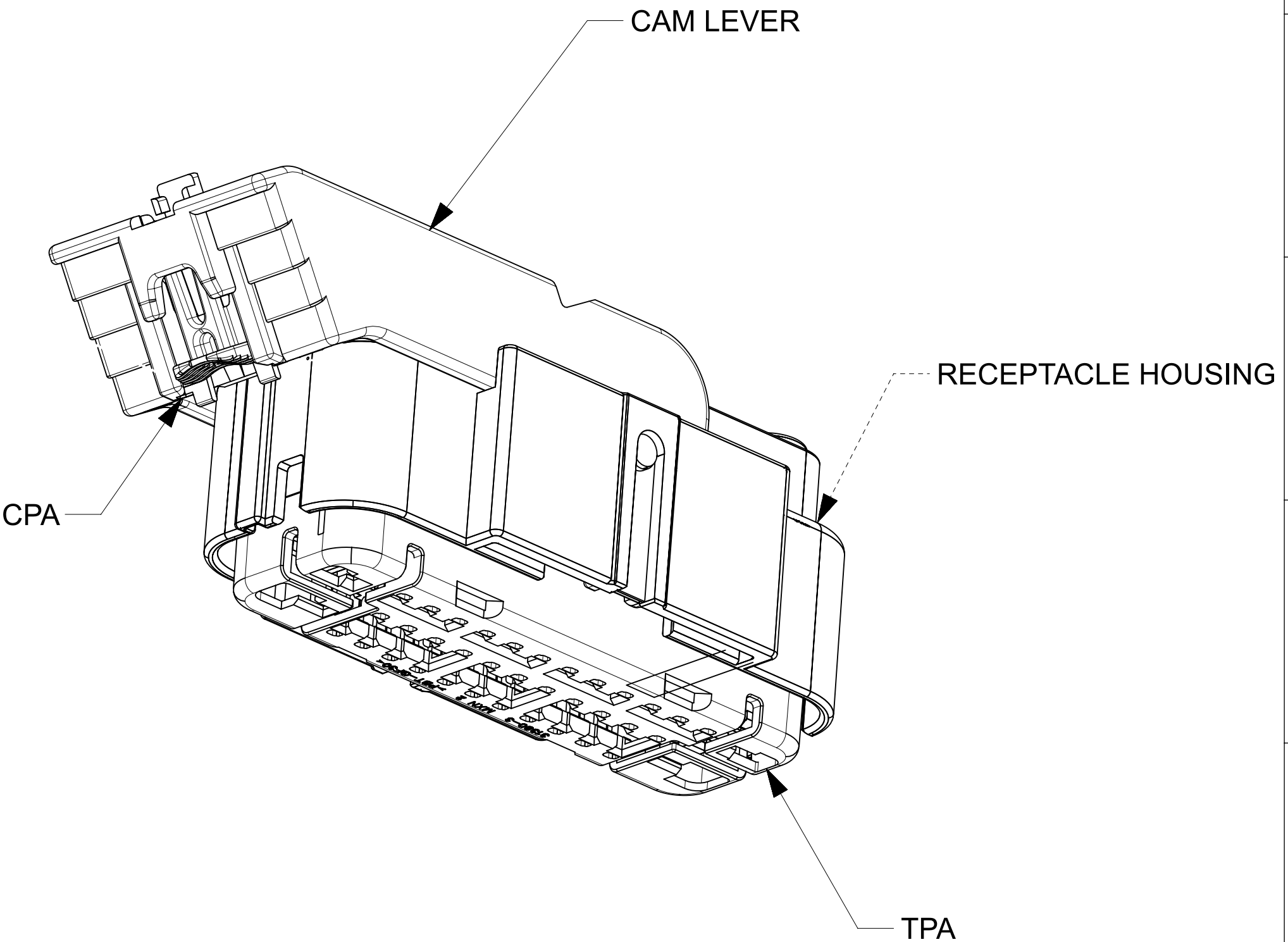
7. MUST BE USED WITH WIRE SHIELD - MOLEX PART NUMBER 31382-1001. WIRE SHIELD SHIPPED SEPARATELY.



31381 SERIES



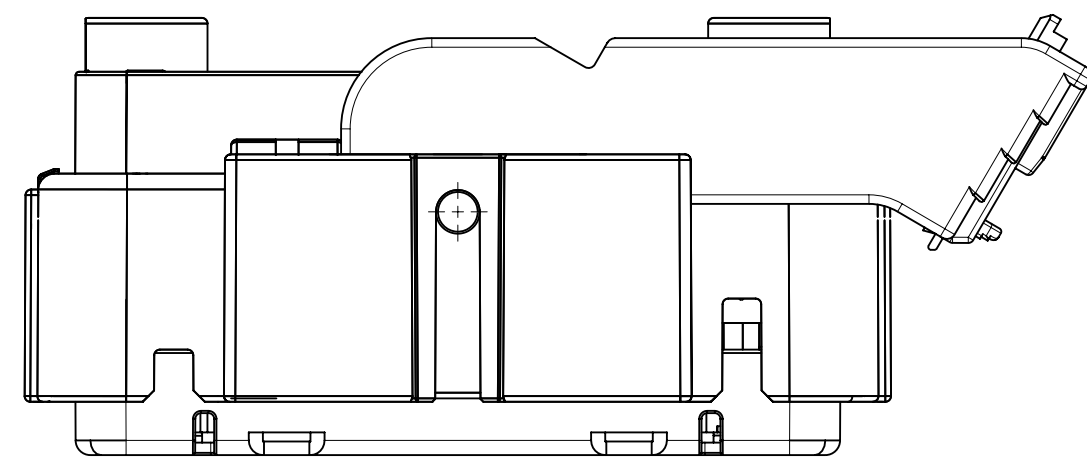
31380 SERIES



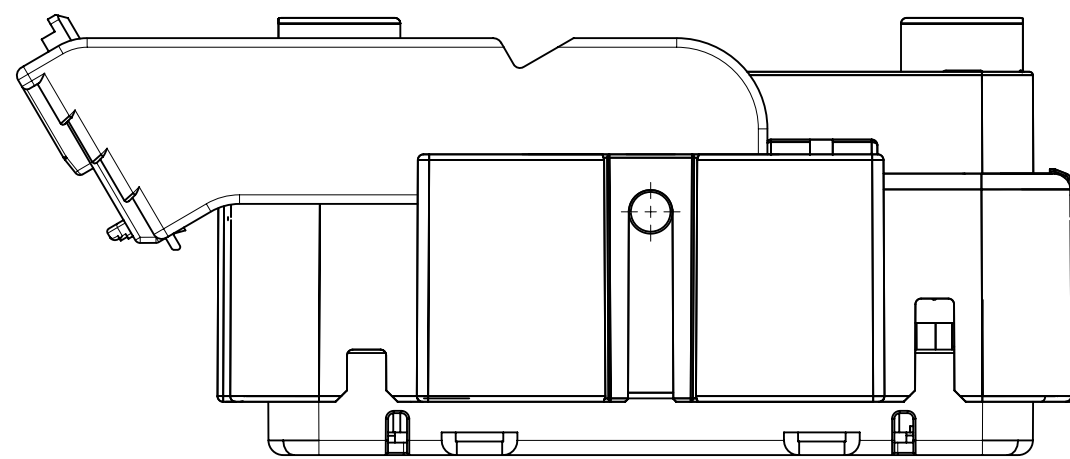
INSPECTION NUMBER LOG	B	RETRACTED AS PER PCN#515997
LAST NUMBER: 2	A	INITIAL RELEASE
ADDED:		
REMOVED:	REV	REV DESCRIPTION

FUNCTIONAL SYMBOLS		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION																			
FA= 0 FE= 0 FP= 0 DIVISIONAL SYMBOLS		DIMENSION UNITS		SCALE		CURRENT REV DESC: RETRACTED AS PER PCN#515909				molex USCAR 38 WAY HYBRID RCPT SEALED ASSEMBLY											
		mm		1.5:1																	
		GENERAL TOLERANCES (UNLESS SPECIFIED)																			
				MM		INCH															
		4 PLACES		±		±															
		3 PLACES		±		±		STATUS: Production													
		2 PLACES		±		0.130		±		DRWN: Madhava M				2024-10-15							
		1 PLACE		±		0.25		±		CHK'D: Ganesh Rao B				2024-10-30							
		0 PLACES		±						APPR: Gurunandan GA				2024-10-30							
		ANGULAR TOL		±		1°															
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				THIRD ANGLE PROJECTION				DRAWING		SERIES		MATERIAL NUMBER		CUSTOMER		SHEET NUMBER			
												A1-SIZE		31380		SEE NOTE 5a.		GENERAL MARKET		1 OF 4	
						INITIAL REVISION:				DOCUMENT NUMBER		DOC TYPE		DOC PART		REVISION					
						DRWN: APROFFITT				SD-31380-0001		PSD		001		B					
						APPR: VKOSH Y				2014/06/26											
										2014/06/30											

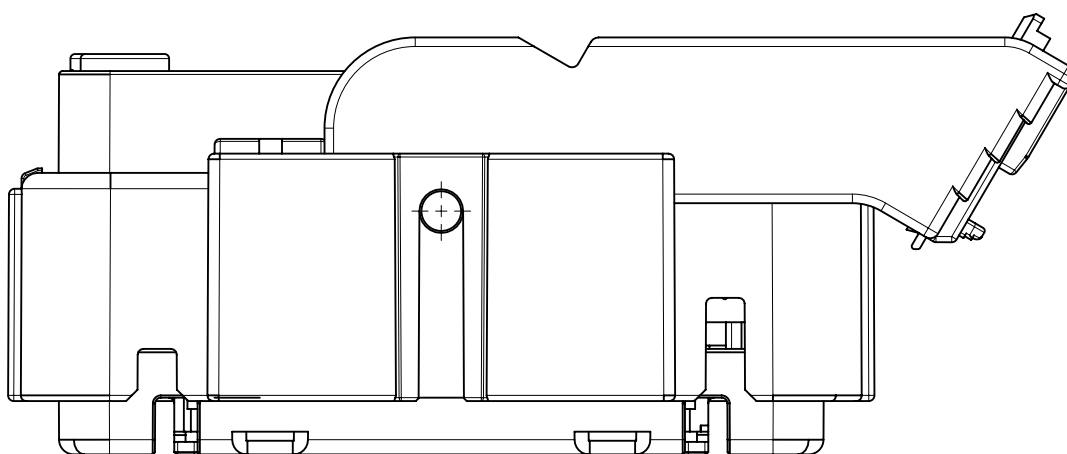
CONFIGURATIONS



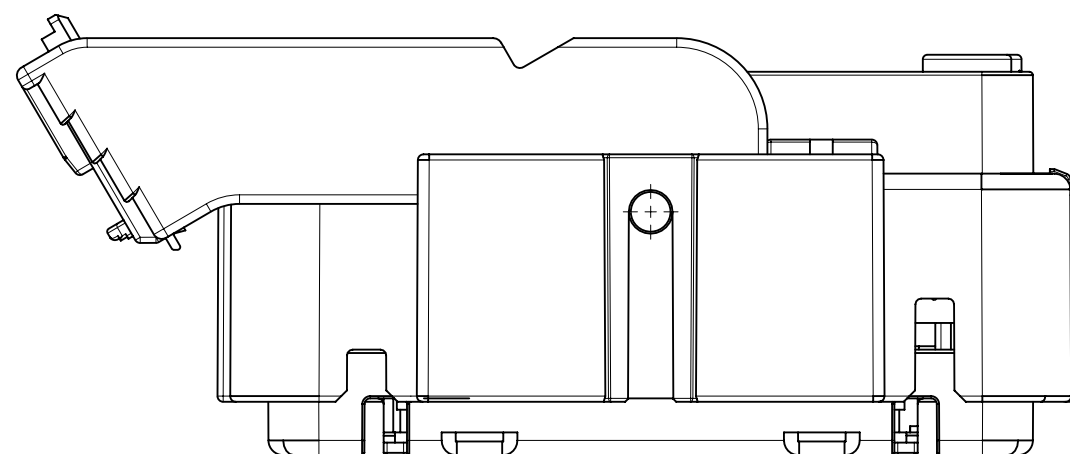
31380-10XX
TYPE II HARNESS ASSEMBLY
COUNTERCLOCKWISE LEVER THROW



31380-11XX
TYPE II HARNESS ASSEMBLY
CLOCKWISE LEVER THROW



31381-10XX
TYPE I HARNESS ASSEMBLY
COUNTERCLOCKWISE LEVER THROW



31381-11XX
TYPE I HARNESS ASSEMBLY
CLOCKWISE LEVER THROW

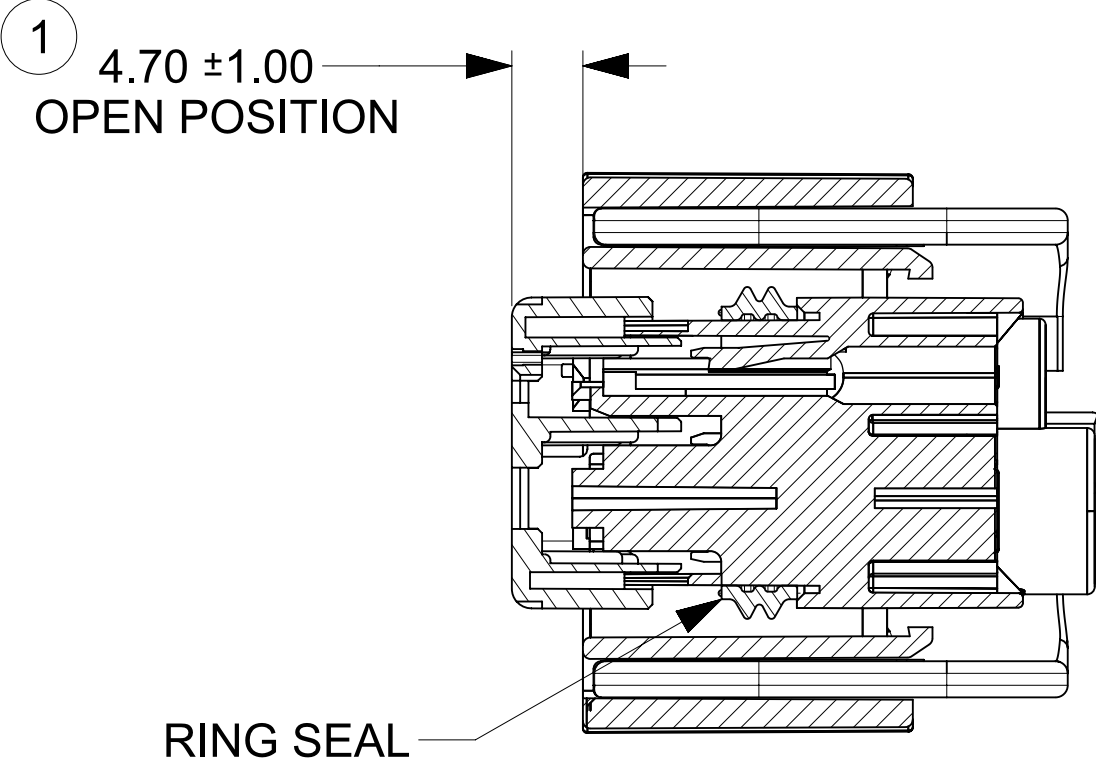
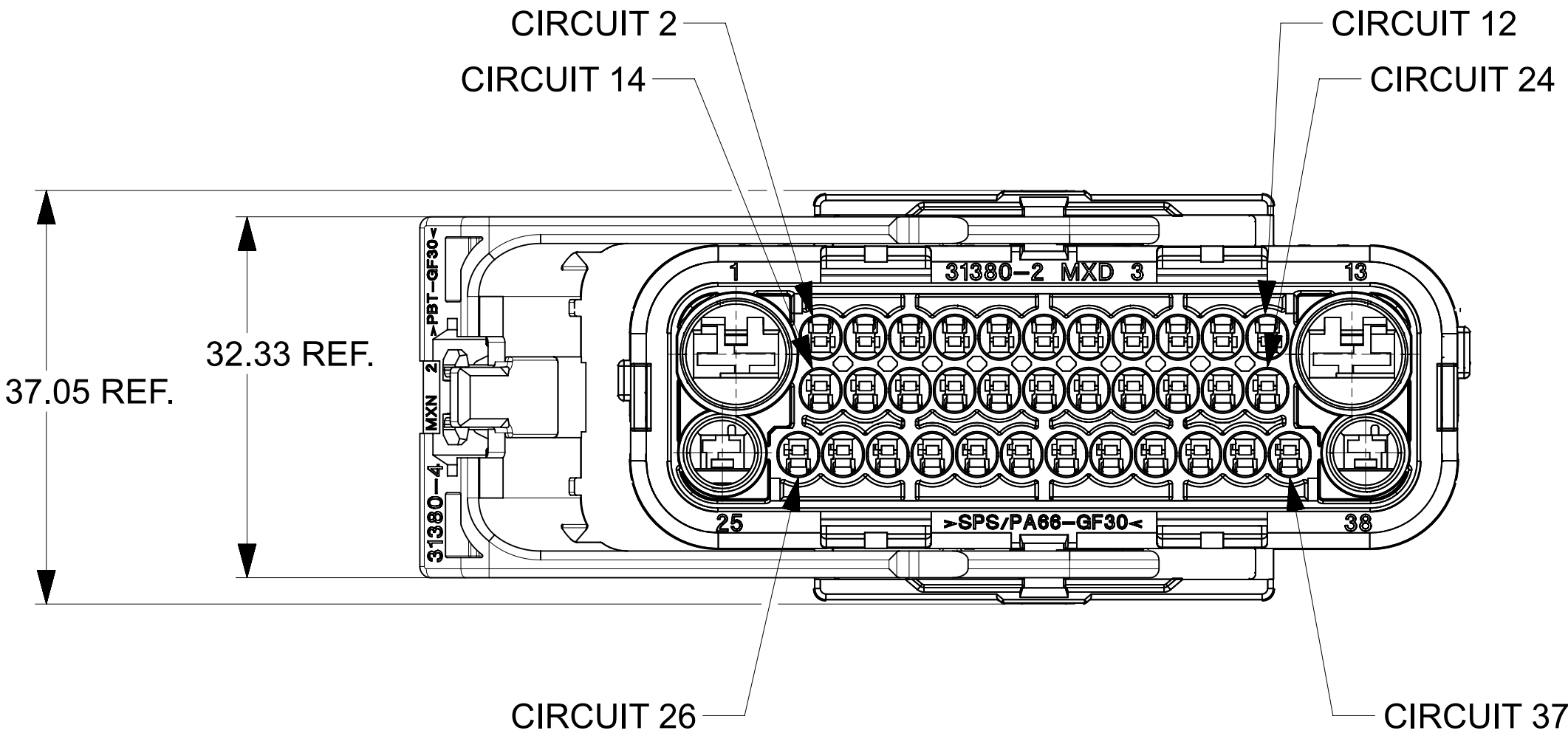
FUNCTIONAL SYMBOLS F_A = 0 F_C = 0 F_E = 0 DIVISIONAL SYMBOLS	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION											
	DIMENSION UNITS		SCALE		CURRENT REV DESC: RETRACTED AS PER PCN#515909			molex				
	mm		1.5:1									
	GENERAL TOLERANCES (UNLESS SPECIFIED)							USCAR 38 WAY HYBRID RCPT SEALED ASSEMBLY				
		MM	INCH									
	4 PLACES	±		±				STATUS: Production DRWN: Madhava M 2024-10-15 CHK'D: Ganesh Rao B 2024-10-30 APPR: Gurunandan GA 2024-10-30			PRODUCT SALES DRAWING	
	3 PLACES	±		±								
	2 PLACES	±	0.130	±	INITIAL REVISION: DRWN: APROFITTT 2014/06/26 APPR: VKOSHY 2014/06/30			DOCUMENT NUMBER		DOC TYPE	DOC PART	REVISION
	1 PLACE	±	0.25	±				SD-31380-0001		PSD	001	B
	0 PLACES	±										
ANGULAR TOL		±	1°									
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				THIRD ANGLE PROJECTION		DRAWING	SERIES	MATERIAL NUMBER	CUSTOMER	SHEET NUMBER		
							A1-SIZE	31380	SEE NOTE 5a.	GENERAL MARKET	2 OF 4	

SHEET DESCRIPTION

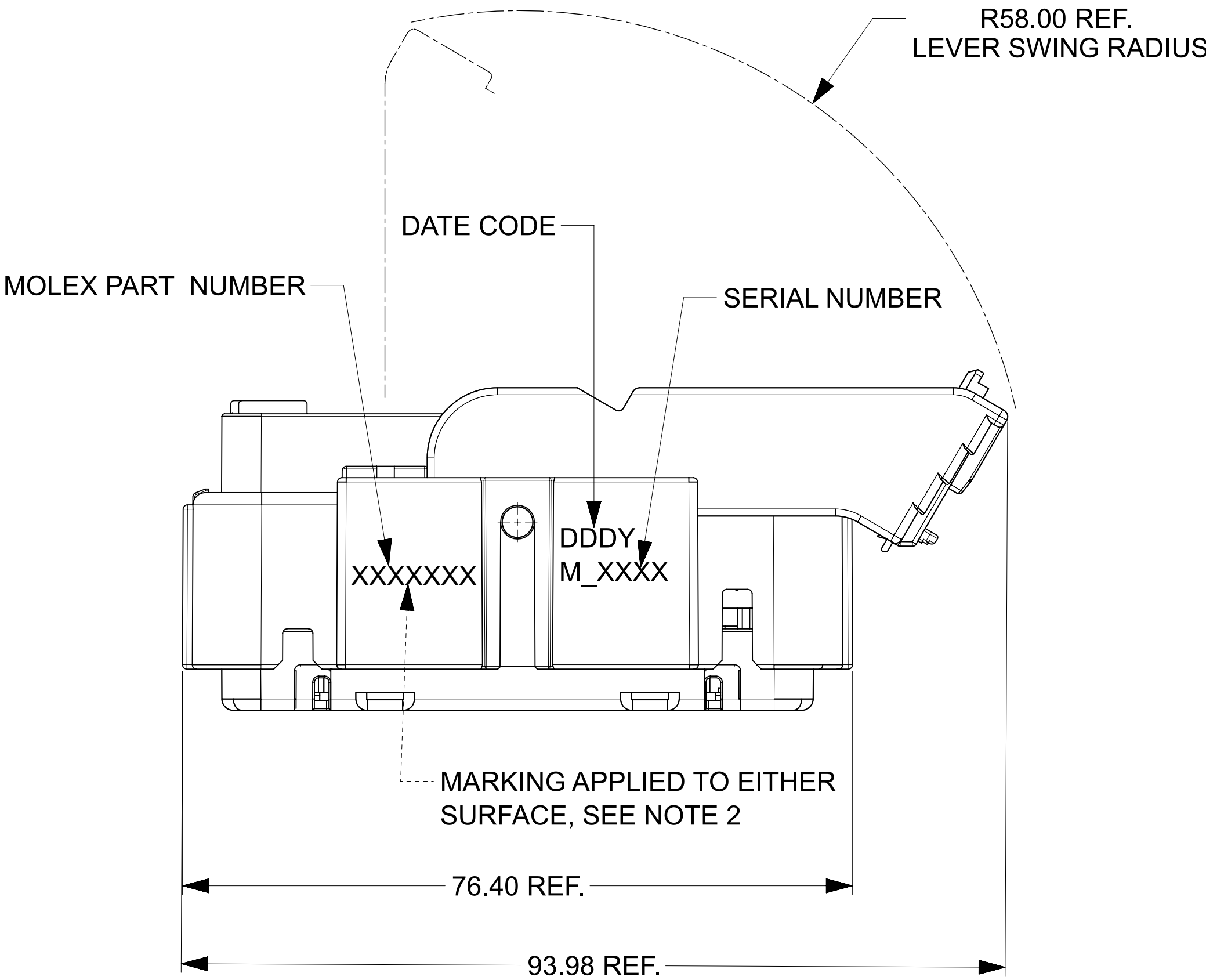
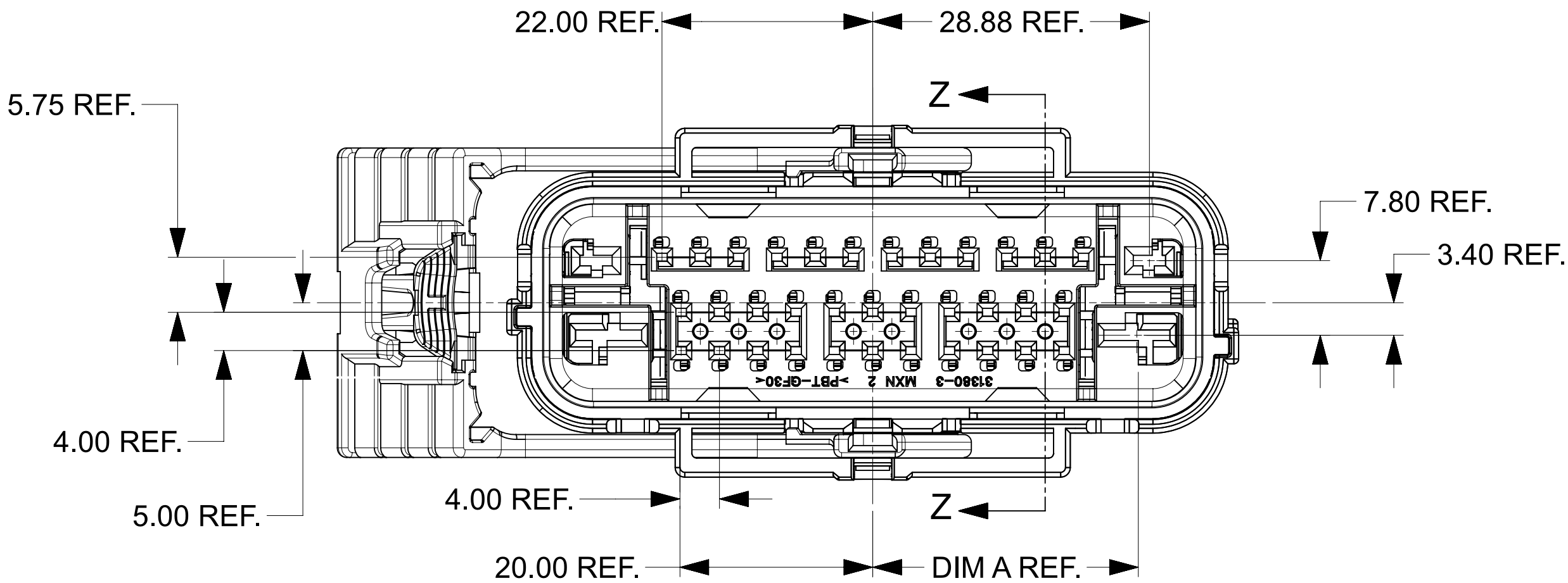
RECEPTACLE CONNECTOR ASSEMBLY

CHARTED DIMENSIONS

SERIES	DIMENSION
	A
31380	27.58
31381	27.90



SECTION Z-Z



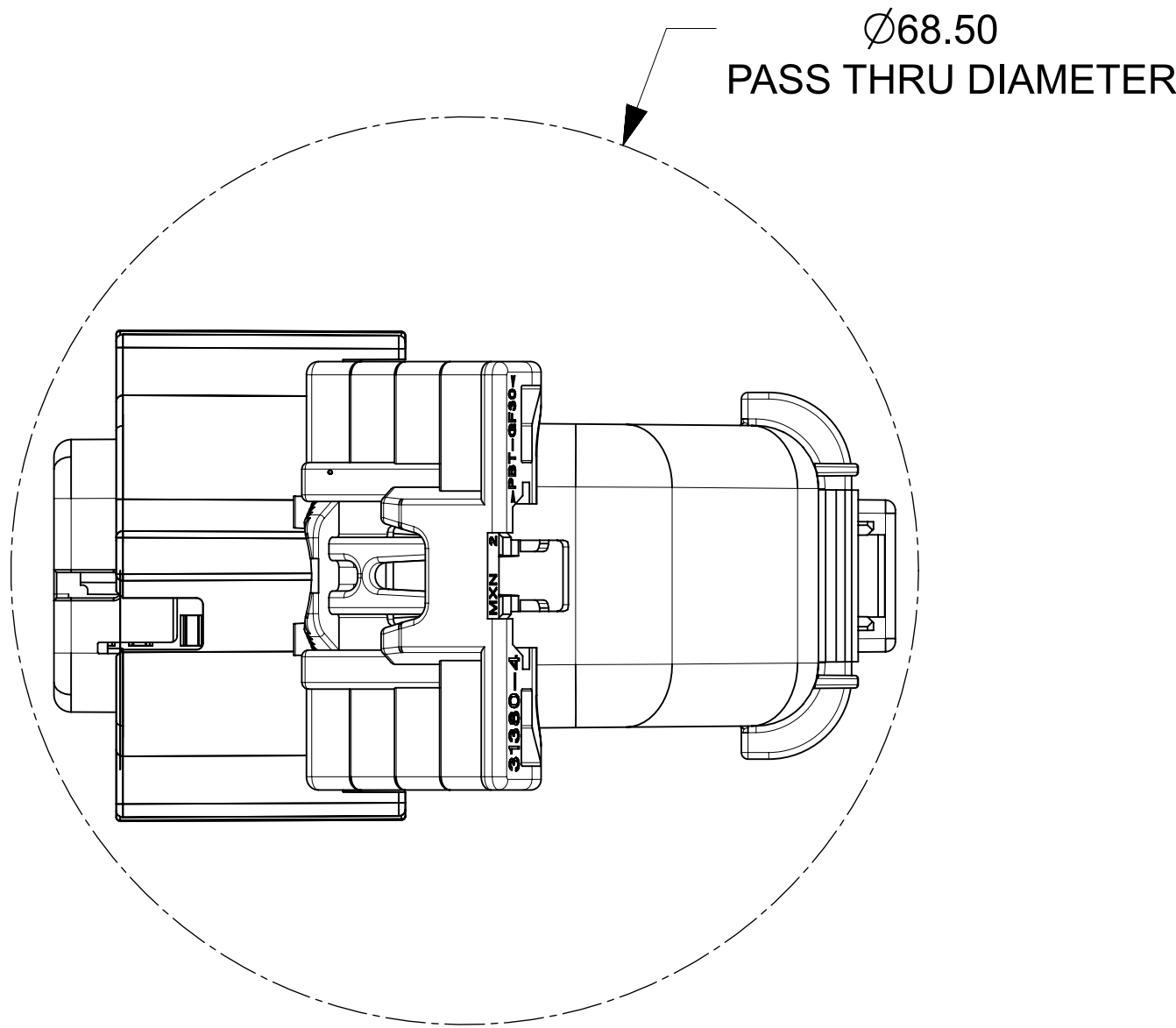
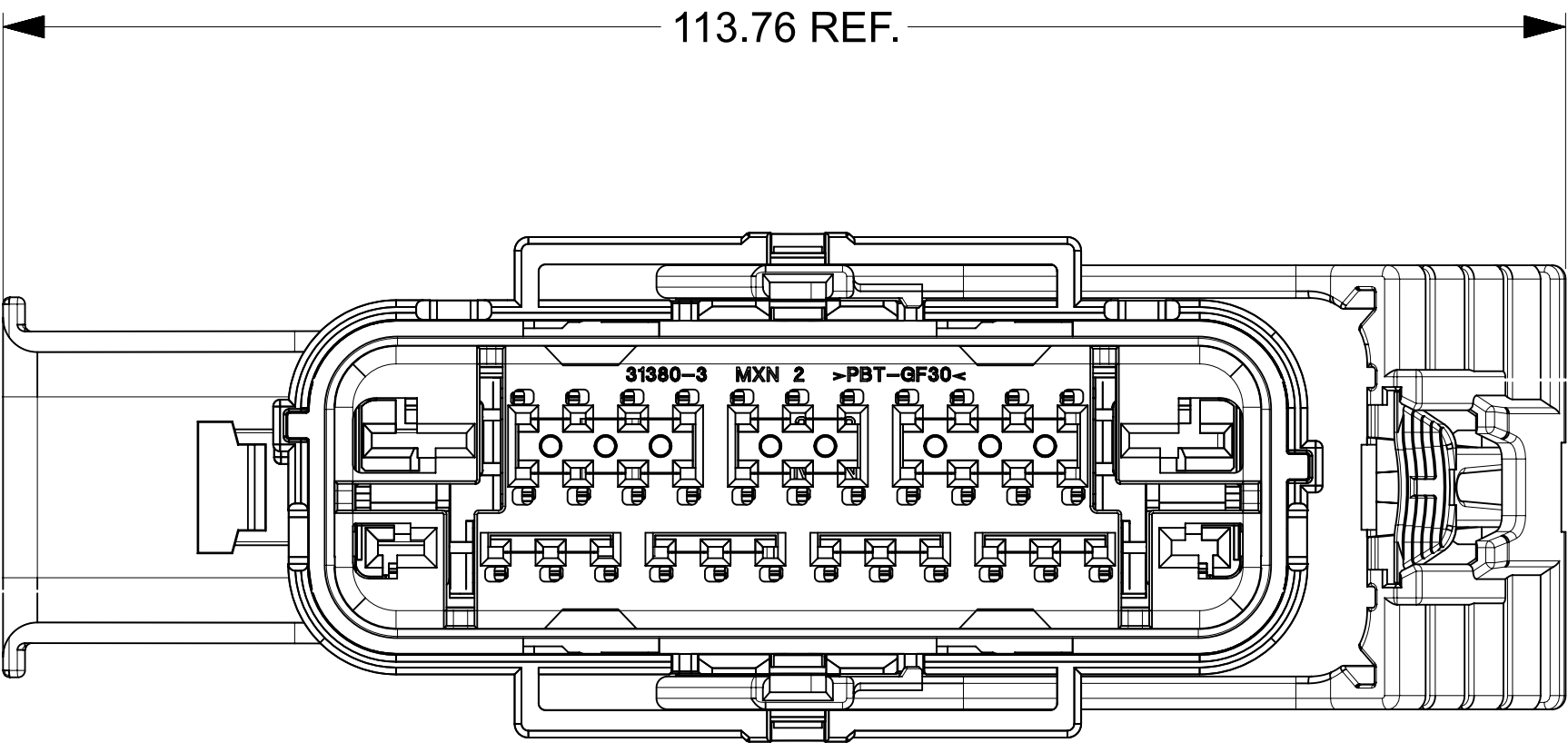
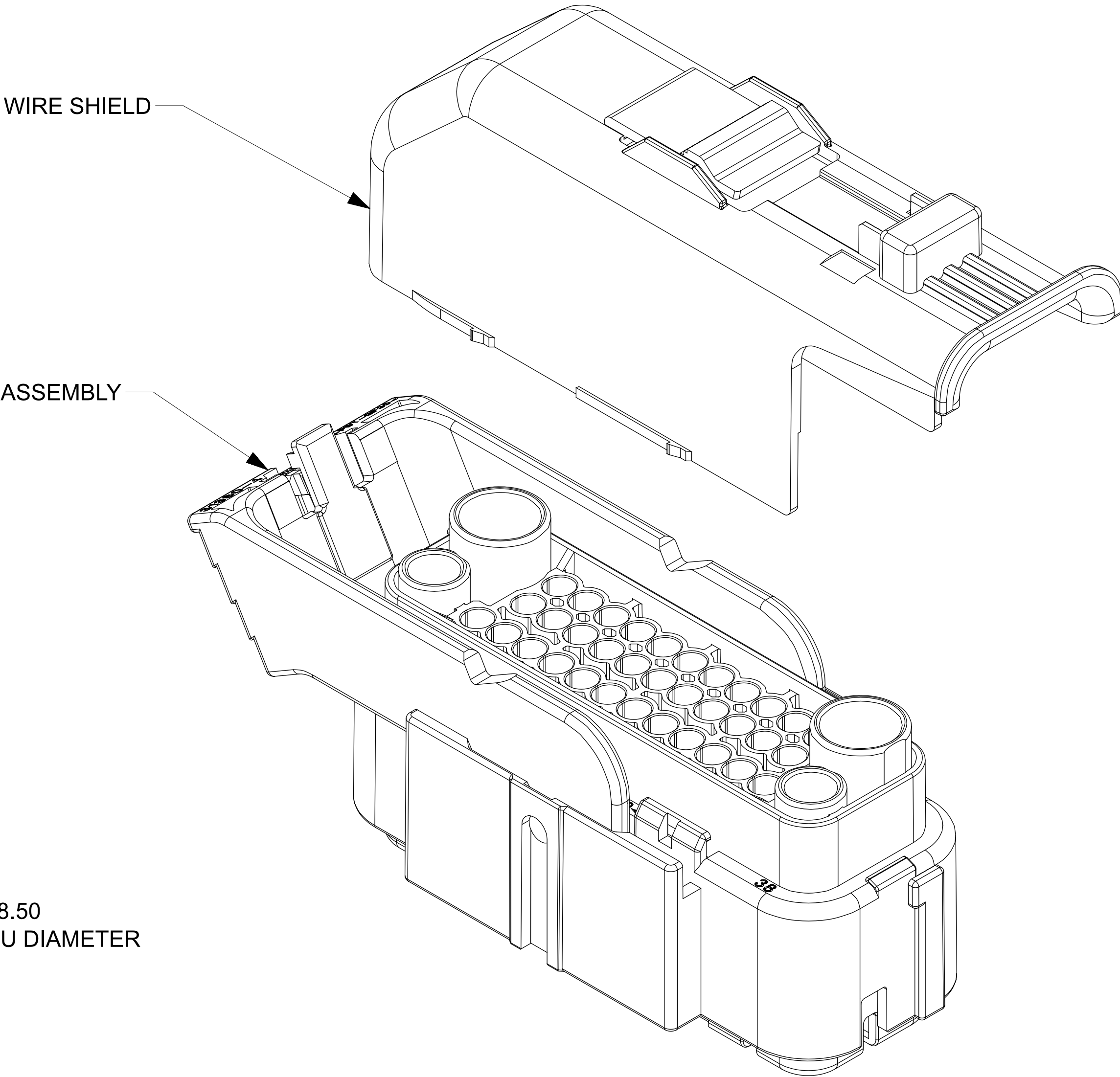
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION																								
FUNCTIONAL SYMBOLS	DIMENSION UNITS			SCALE		CURRENT REV DESC: RETRACTED AS PER PCN#515909					molex USCAR 38 WAY HYBRID RCPT SEALED ASSEMBLY													
	mm			2:1																				
	GENERAL TOLERANCES (UNLESS SPECIFIED)					STATUS: Production DRWN: Madhava M CHK'D: Ganesh Rao B APPR: Gurunandan GA					2024-10-15 2024-10-30 2024-10-30													
		MM	INCH																					
	$\frac{E}{A} = 0$	4 PLACES	±	±	INITIAL REVISION: DRWN: APROFFITT APPR: VKOSHY					2014/06/26 2014/06/30														
	$\frac{E}{C} = 0$	3 PLACES	±	±																				
	$\frac{E}{D} = 0$	2 PLACES	±	0.130																				
		1 PLACE	±	0.25																				
	DIVISIONAL SYMBOLS		0 PLACES	±	±	ANGULAR TOL ± 1°					THIRD ANGLE PROJECTION													
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS														DRAWING		SERIES		MATERIAL NUMBER		CUSTOMER		SHEET NUMBER
				A1-SIZE												31380		SEE NOTE 5a.		GENERAL MARKET		3 OF 4		

SHEET DESCRIPTION

WIRE SHIELD

WIRESHIELD NOTES: VALID UNLESS OTHERWISE SPECIFIED

1. GENERAL:
- a. APPLICATION SPECIFICATION SEE: AS-31380-001
- WIRE SHIELD (MOLEX PART NUMBER 31382-1001) MUST BE USED WITH HARNESS ASSEMBLY
 - WIRE SHIELD SHIPPED SEPARATELY
 - FOR ADDITIONAL INFORMATION SEE THE WIRE SHIELD COMPONENT DRAWING SD-31382-100.



FUNCTIONAL SYMBOLS $\frac{F}{A}$ = 0 $\frac{F}{C}$ = 0 $\frac{F}{P}$ = 0 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: RETRACTED AS PER PCN#515909					molex USCAR 38 WAY HYBRID RCPT SEALED ASSEMBLY PRODUCT SALES DRAWING					
	mm		2.5:1												
	GENERAL TOLERANCES (UNLESS SPECIFIED)														
			MM	INCH	STATUS: Production DRWN: Madhava M CHK'D: Ganesh Rao B APPR: Gurunandan GA					2024-10-15 2024-10-30 2024-10-30					
	4 PLACES	±		±											
	3 PLACES	±		±											
	2 PLACES	±	0.130	±											
	1 PLACE	±	0.25	±											
	0 PLACES	±		±	INITIAL REVISION: DRWN: APROFFITT APPR: VKOSHY					2014/06/26 2014/06/30					
ANGULAR TOL				±											1°
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				THIRD ANGLE PROJECTION											DRAWING
						A1-SIZE	31380	SEE NOTE 5a.	GENERAL MARKET	4 OF 4					

[illegible]

[illegible]