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NOTES: VALID UNLESS OTHERWISE SPECIFIED

1. GENERAL:
a. APPLICATION SPECIFICATION SEE: AS-34566-001
-CONTAINS: PRODUCT INTRODUCTION, PRODUCT SUMMARY, CONNECTOR ASSEMBLY, PACKAGING INFORMATION, CONNECTOR MATING, SERVICE INSTRUCTIONS, ELECTRICAL CONTINUITY CHECKING, CRIMPING, AND TROUBLESHOOTING.
-DESIGNED TO MATE WITH DEVICE INTERFACE AS SPECIFIED IN MATING INTERFACE CHART
-FOR TERMINALS TO BE USED WITH THIS ASSEMBLY SEE MOLEX DRAWING SD-33468-002.
-SYSTEM TO BE USED WITH WIRE WITHIN DIAMETER RANGE OF 1.20mm TO 1.60mm.
-ASSEMBLY SHIPPED WITH ISL IN PRE-LOCK POSITION (SEE ISL PRE-LOCK VIEW SHEET 4).

b. PRODUCT SPECIFICATION SEE: 1600990001-PS
CONTAINS: PRODUCT INTRODUCTION, PRODUCT SUMMARY, RATINGS (CURRENT, TEMPERATURE, SEALING, AND FLAMMABILITY), AND PRODUCT VALIDATION.

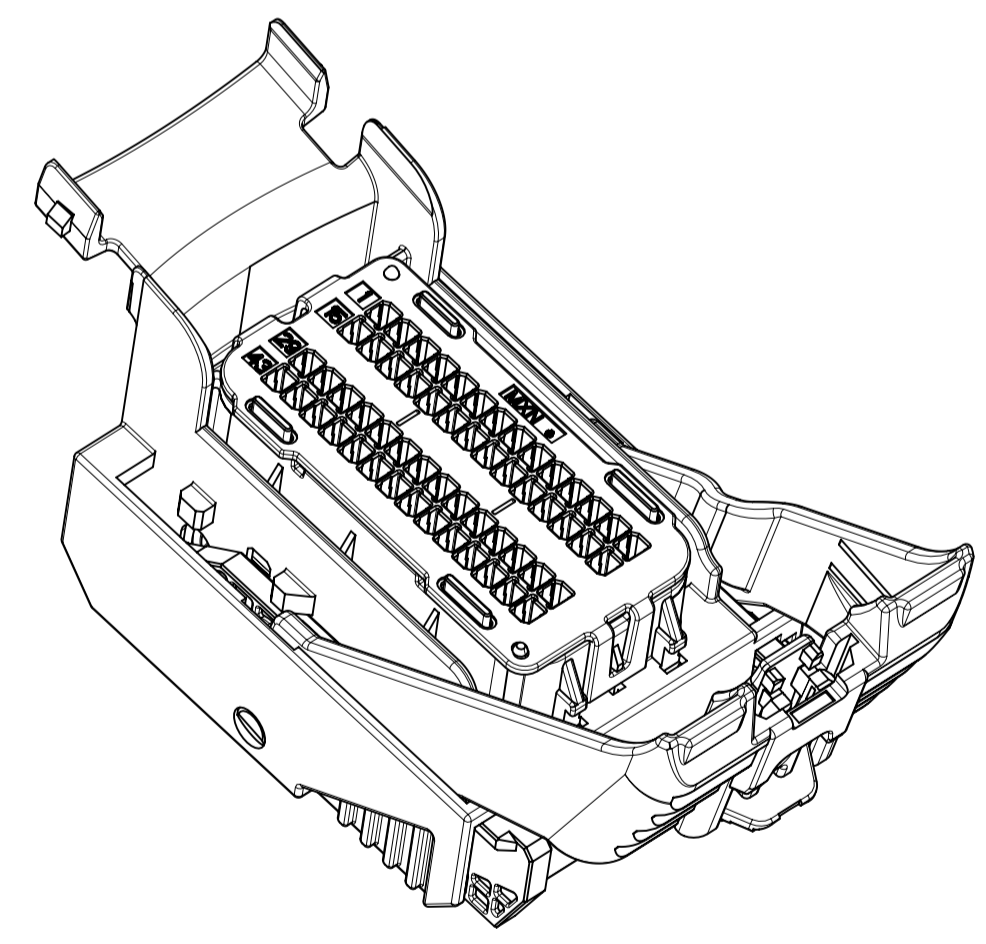
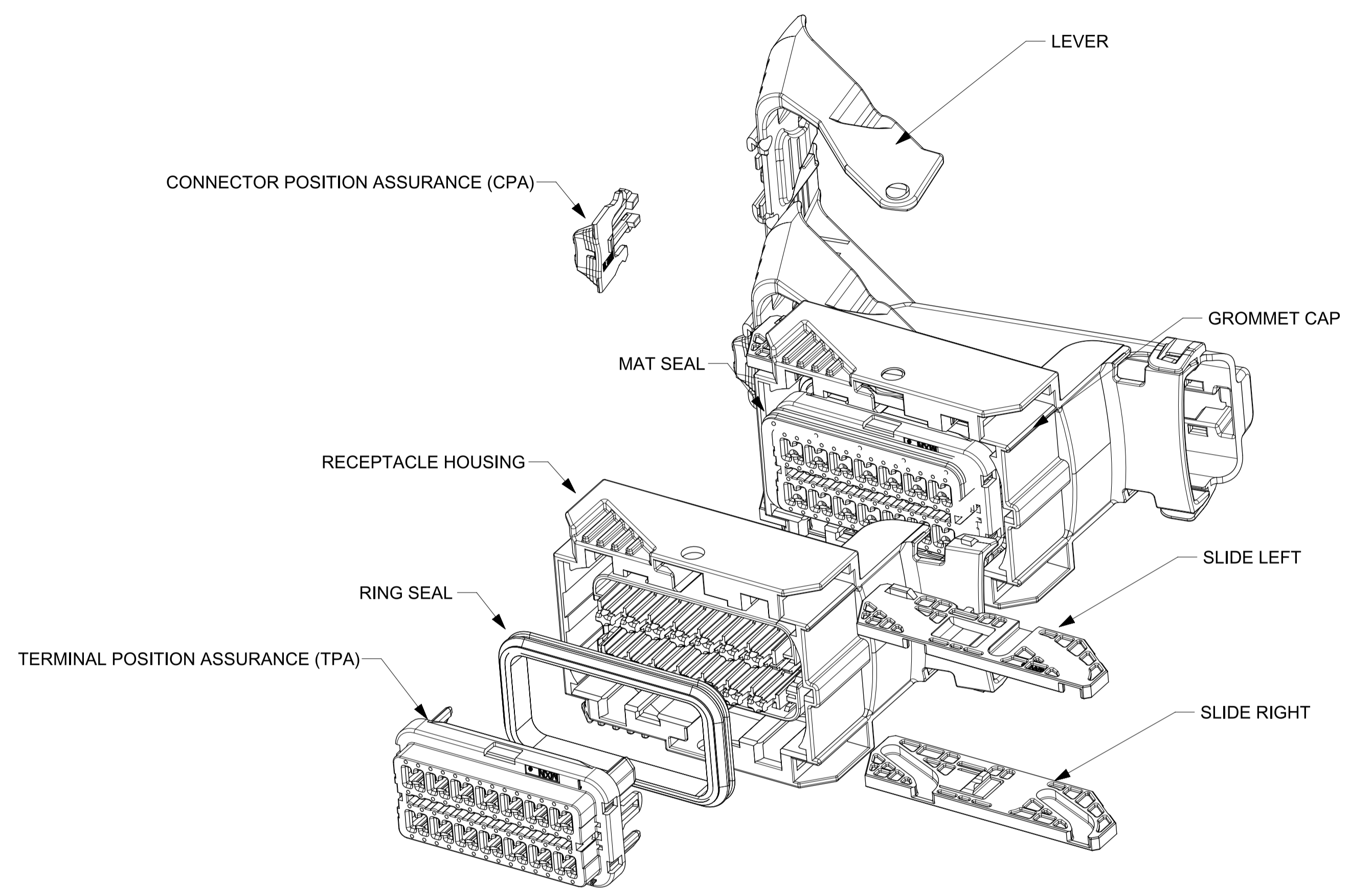
c. PACKAGING SPECIFICATION PER MOLEX DRAWING: 313025240

d. PARTS MUST BE IN COMPLIANCE TO MOLEX CHEMICAL SUBSTANCES FOR PRODUCTS AND PACKAGING SPECIFICATION: ES-40000-5016

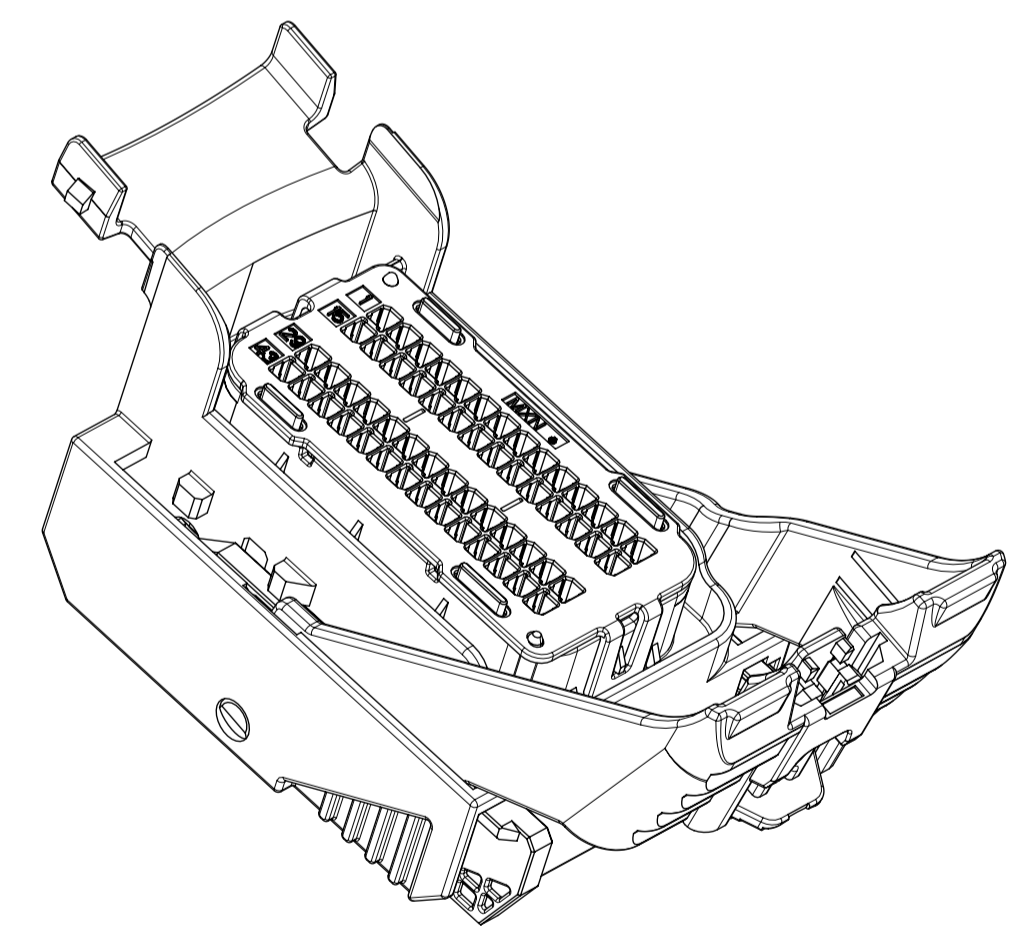
e. DATA MUST BE SUBMITTED UNDER THE MOLEX PART NUMBER TO IMDS (COMPANY ID#13255)

2. DESIGN - MATERIALS:
a. SEE BOM TABLE IN 1600990002-SD FOR TYPE 1 AND 2167830001-SD FOR TYPE 2
b. FOR MATING INTERFACE PART NUMBERS AND INFORMATION - SEE INTERFACE PAGE OF DRAWING

3. DESIGN - GEOMETRY:
a. ALL GRAPHIC DATA IS BASIC (NO TOLERANCE) AND MUST BE TAKEN FROM 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. LETTERING SHALL BE 0.15 MAX RAISED IN 0.25 MAX RECESS PAD. THIS INCLUDES RECYCLING CODE, CAVITY ID, VENDOR IDENTIFICATION, AND CUSTOMER MATERIAL NUMBER.
f. VISUAL DEFECTS SHALL MEET COSMETIC STANDARD PS-45499-002 (Class B).
g. LASER MARKING: SEE SECTION 5 UNDER PROCEDURES IN ES-34735-008.
h. PRODUCT DESIGN MODEL NUMBER: SEE BOM TABLE AS SPECIFIED IN 1600990002-SD
i. GENERAL TOLERANCES:
LINEAR:
X.X ±0.30
X.XX ±0.10
X.XXX ±0.10
ANGULAR X° ±3°



TYPE 2
(P/N: 216783*)

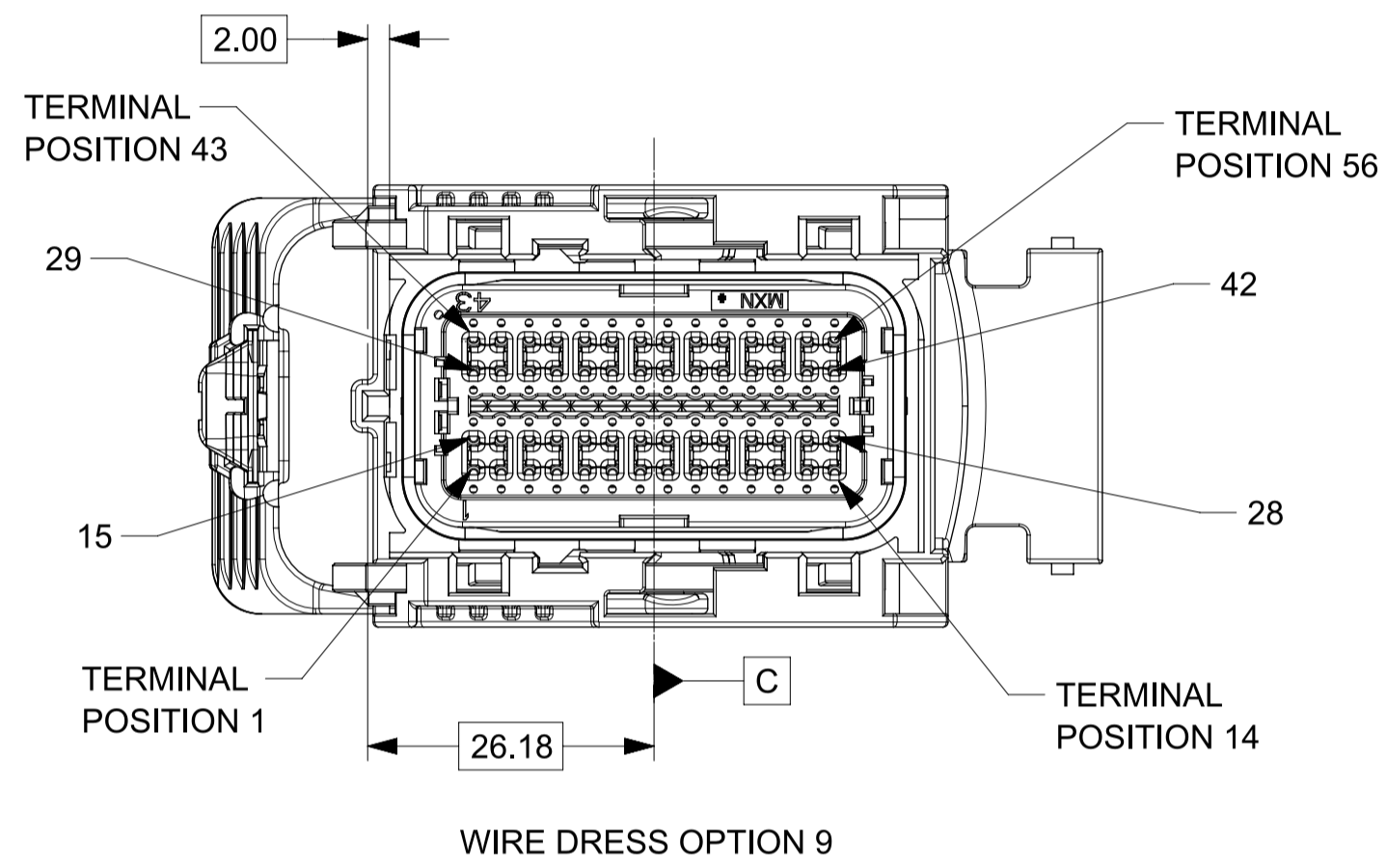
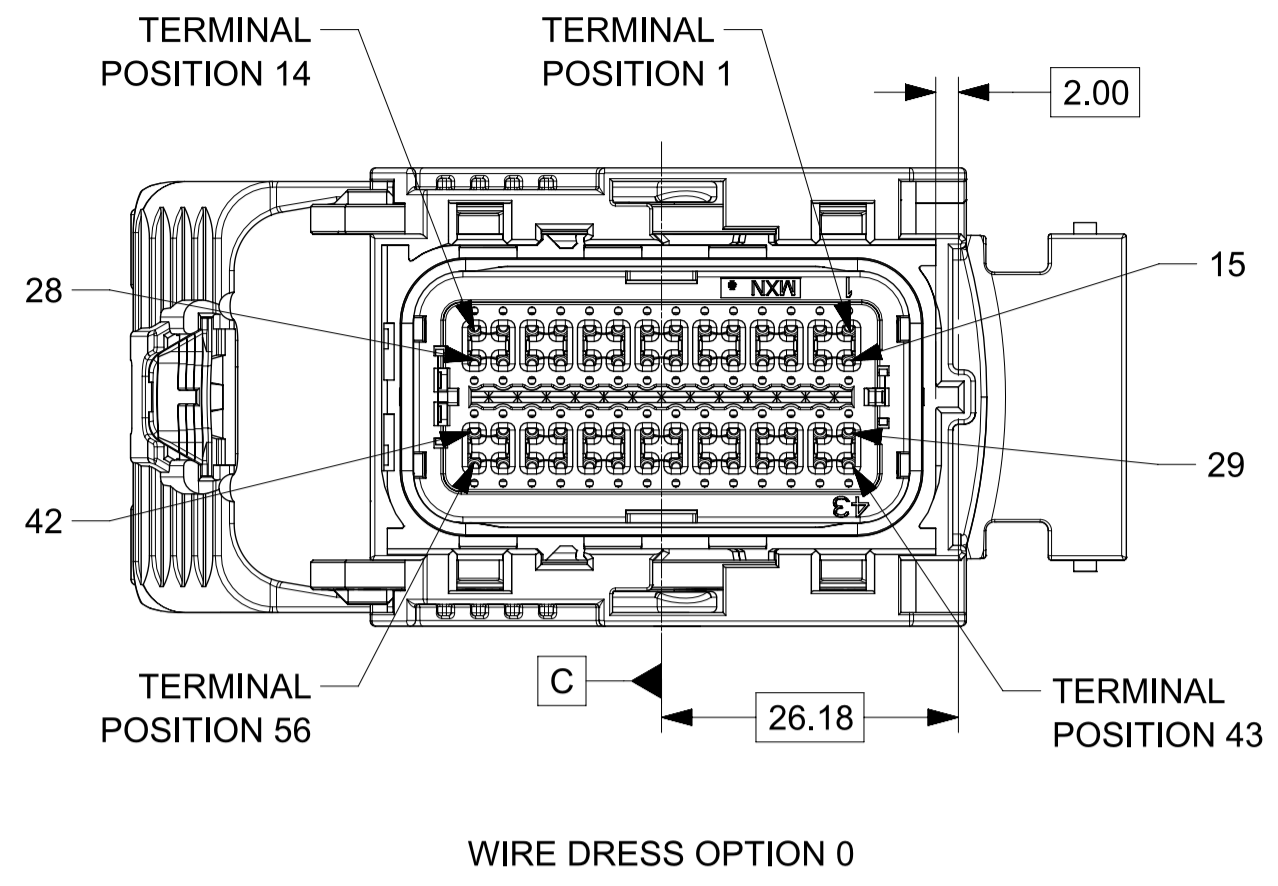


TYPE 1
(P/N: 160099*)

A9	BOM NUMBER 2167830001-SD ADDED
A8	UPDATED DESIGN CHANGE FOR TYPE 2 WDC AND LEVER
A7	ADD P/N 216783*
A6	REMOVED ICD PART NUMBERS FROM SHEET 9
A5	CHANGED COUPLE OF DIMENSIONS TO REFERENCE AND UPDATED BALLOON NUMBERS
A4	UPDATED VIEWS, ADDED DIMENSIONS AND BALLOON NUMBERS
A3	CORRECTED CIRCUIT NUMBERING
A2	ADDED GENERAL TOLERANCES
A1	UPDATED VIEWS ON SHEET 7 AND 10
A	PRODUCTION RELEASE
1	INITIAL RELEASE
REV	DESCRIPTION

FUNCTIONAL SYMBOLS FA = 0 FC = 0 FP = 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: mm SCALE: 3:2 GENERAL TOLERANCES (UNLESS SPECIFIED) ANGULAR TOL ± ° 4 PLACES ± 3 PLACES ± 2 PLACES ± 1 PLACE ± 0 PLACES ± DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	CURRENT REV DESC: SEE REVISION TABLE STATUS: Production DRWN: ADARSH SETTY CHK'D: Anil Kumar M S APPR: Brad Dick 2023-02-03 2023-03-08 2023-03-08			
	PRODUCT SALES DRAWING DOCUMENT NUMBER: 1600990001-SD DOC TYPE: PSD DOC PART: 000 REVISION: A9		MATERIAL NUMBER: 160099 CUSTOMER: A1-SIZE SHEET NUMBER: 1 OF 17		

SHEET DESCRIPTION
CONFIGURATIONS



FUNCTIONAL SYMBOLS	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		CURRENT REV DESC: SEE REVISION TABLE	
	DIMENSION UNITS	SCALE		
$\frac{F}{A} = 0$	mm	1.5:1		
$\frac{F}{C} = 0$	GENERAL TOLERANCES (UNLESS SPECIFIED)			
$\frac{F}{P} = 0$	ANGULAR TOL ± °			
DIVISIONAL SYMBOLS	4 PLACES		±	
	3 PLACES		±	
	2 PLACES		±	
	1 PLACE		±	
	0 PLACES		±	
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION	DRAWING	SERIES
			A1-SIZE	160099
		STATUS: Production		2023-02-03
		DRWN: ADARSH SETTY		2023-03-08
		CHK'D: Anil Kumar M S		2023-03-08
		APPR: Brad Dick		
		DOCUMENT NUMBER		REVISION
		1600990001-SD		PSD 000 A9
		MATERIAL NUMBER		CUSTOMER
				SHEET NUMBER
				2 OF 17

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SDC56 56CKT HRNS CONN ASSY

PRODUCT SALES DRAWING

2023-02-03
2023-03-08
2023-03-08

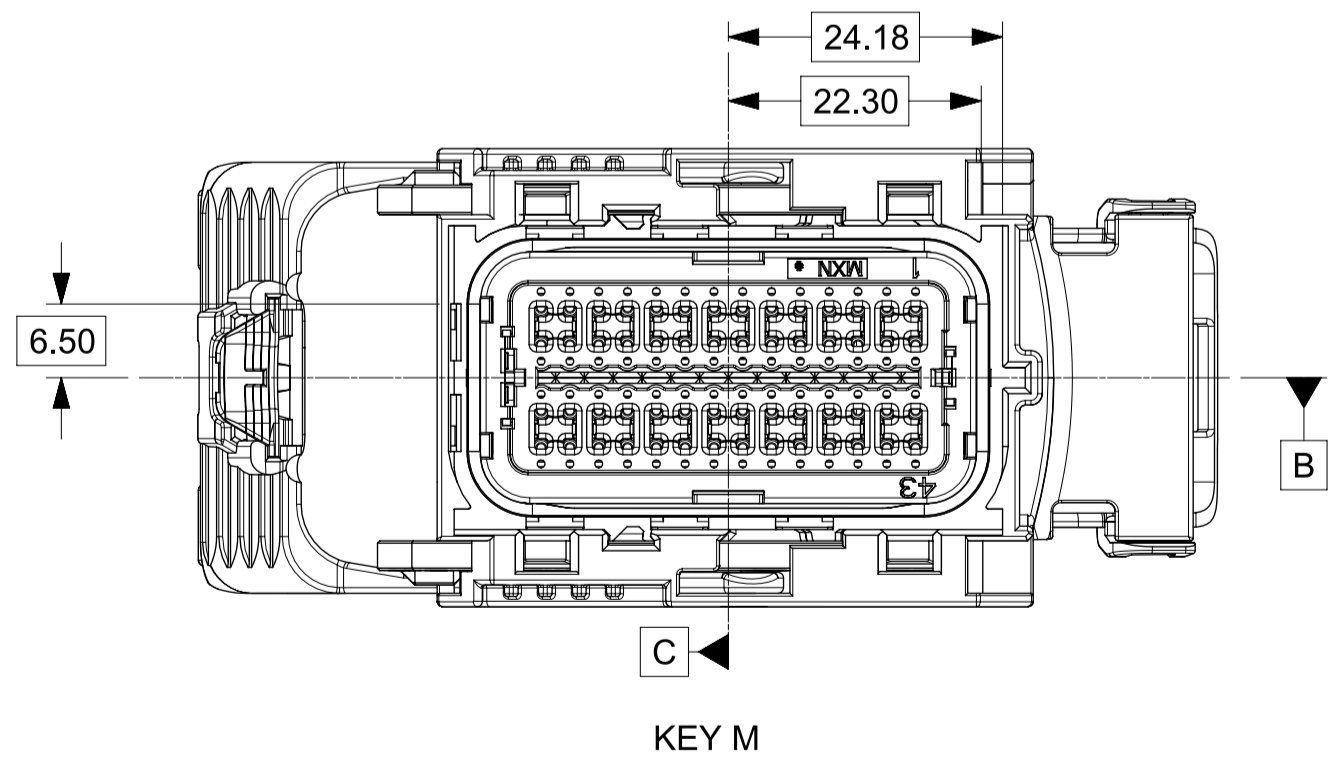
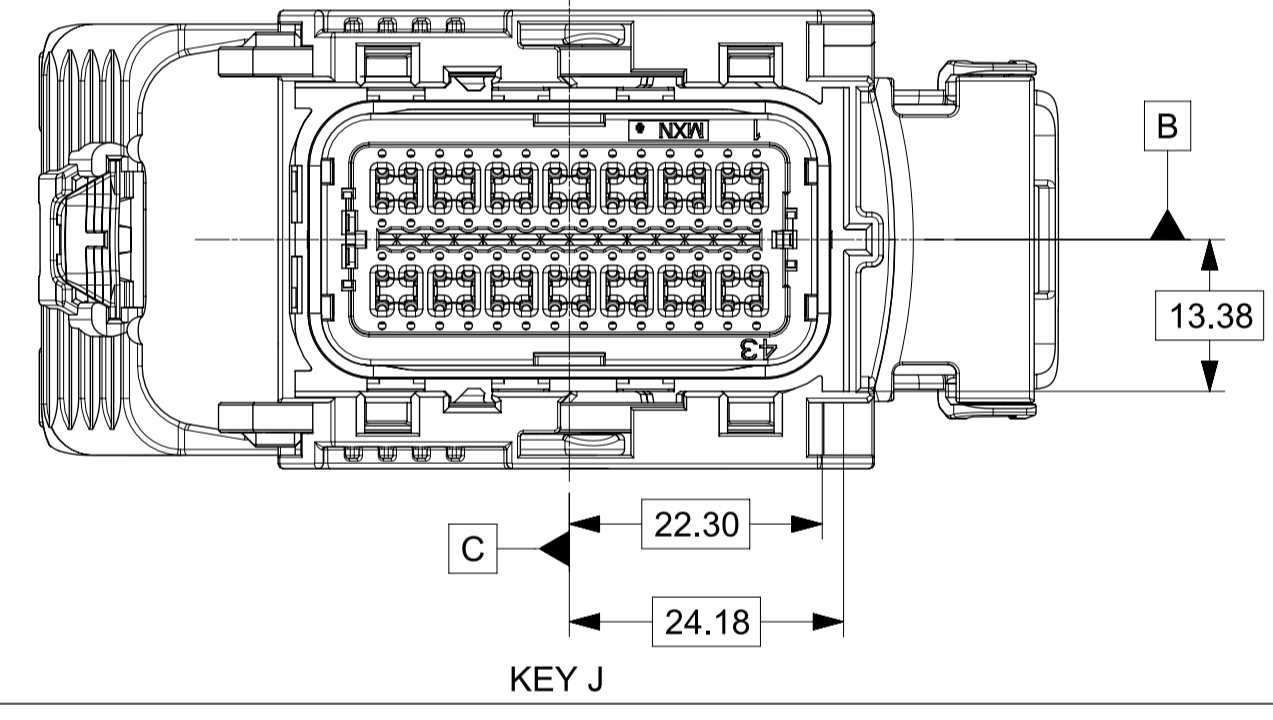
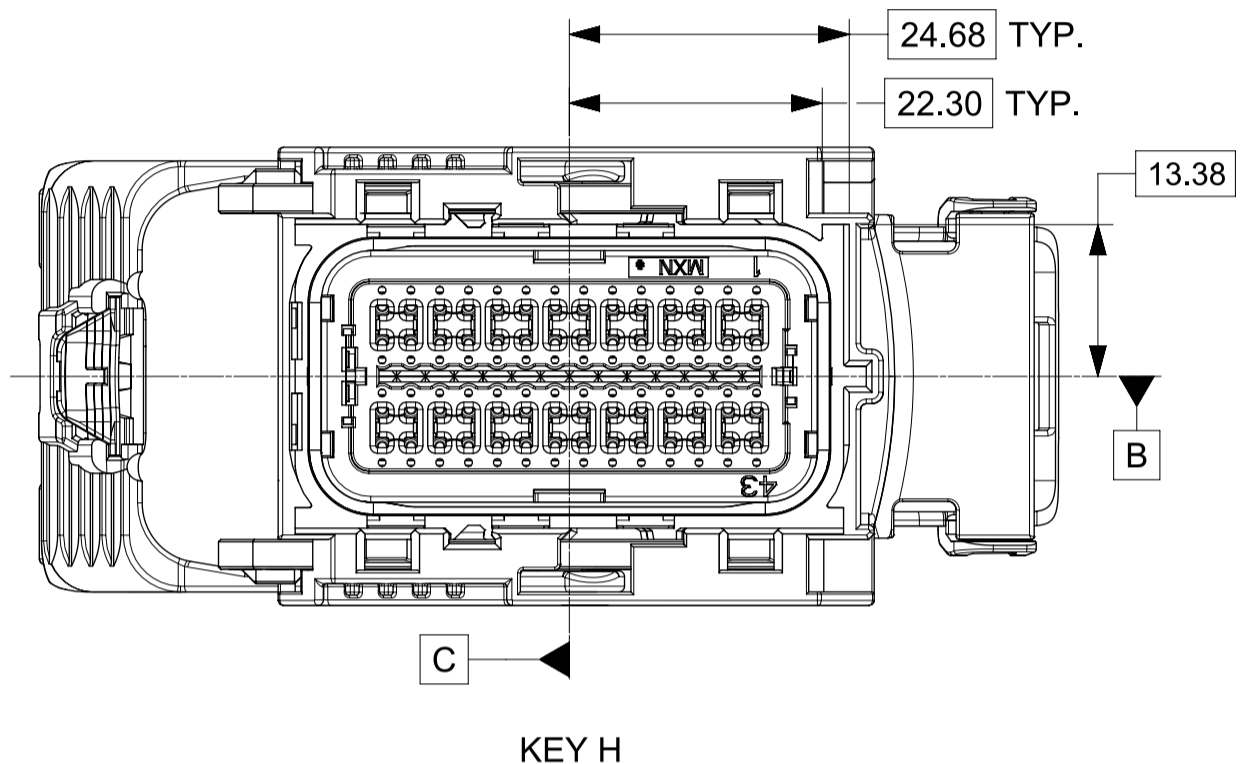
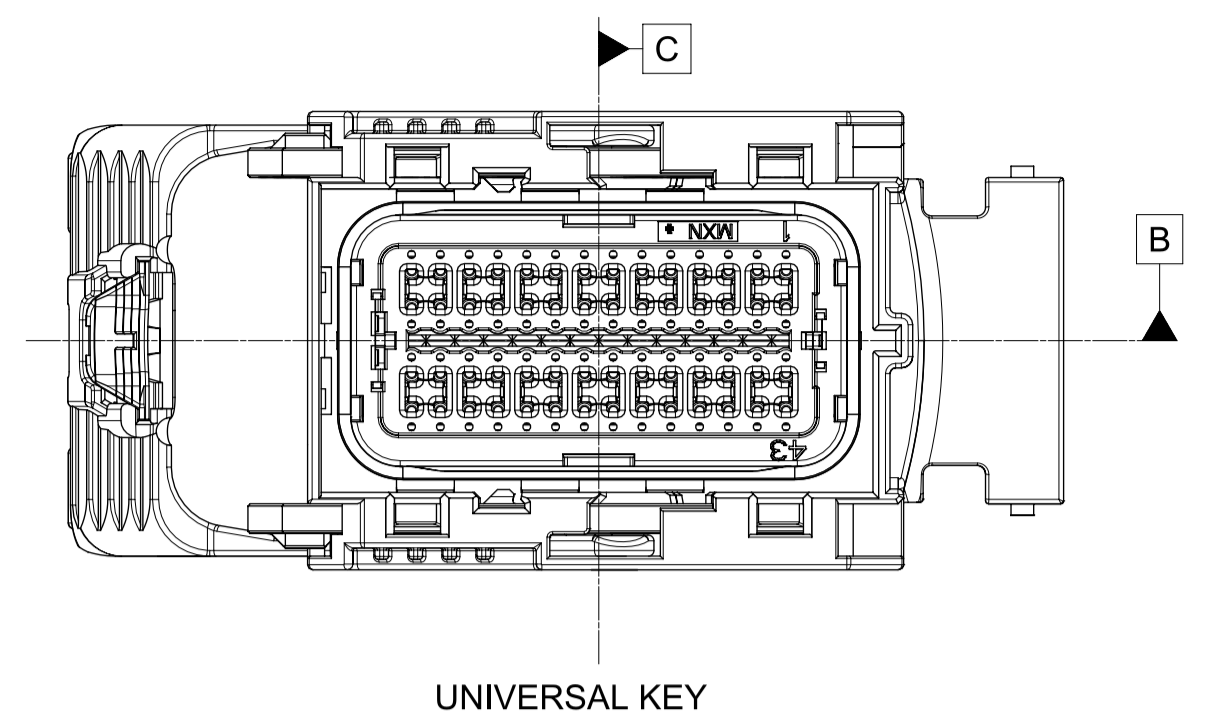
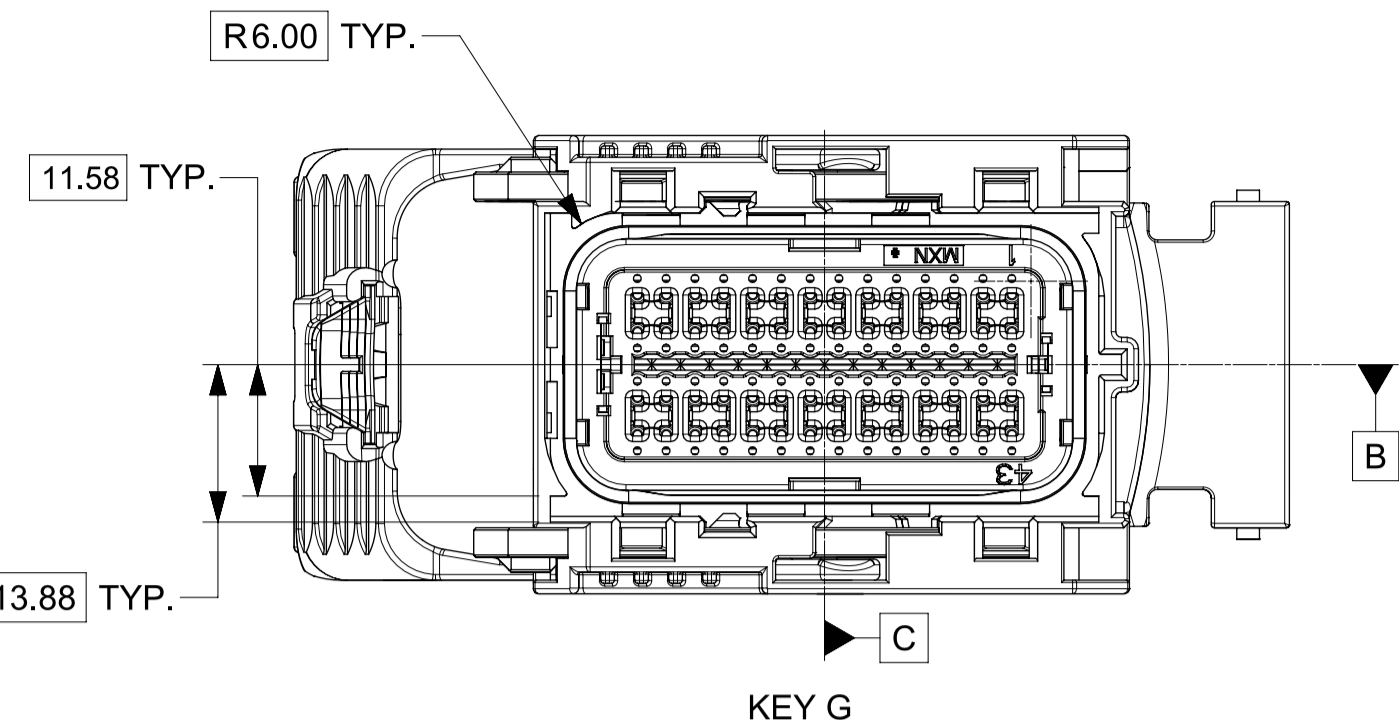
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CHK'D: Anil Kumar M S
APPR: Brad Dick

A1-SIZE 160099

SHEET NUMBER 2 OF 17

SHEET DESCRIPTION

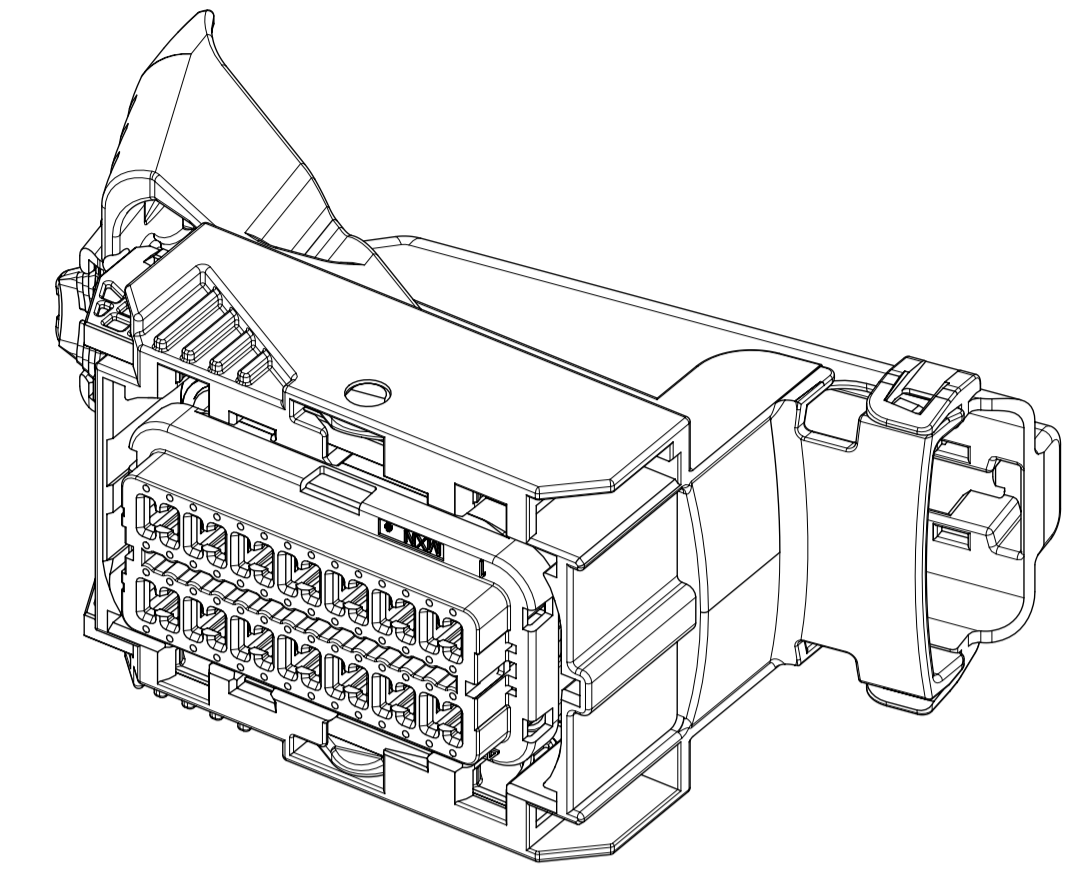
POLARIZATION



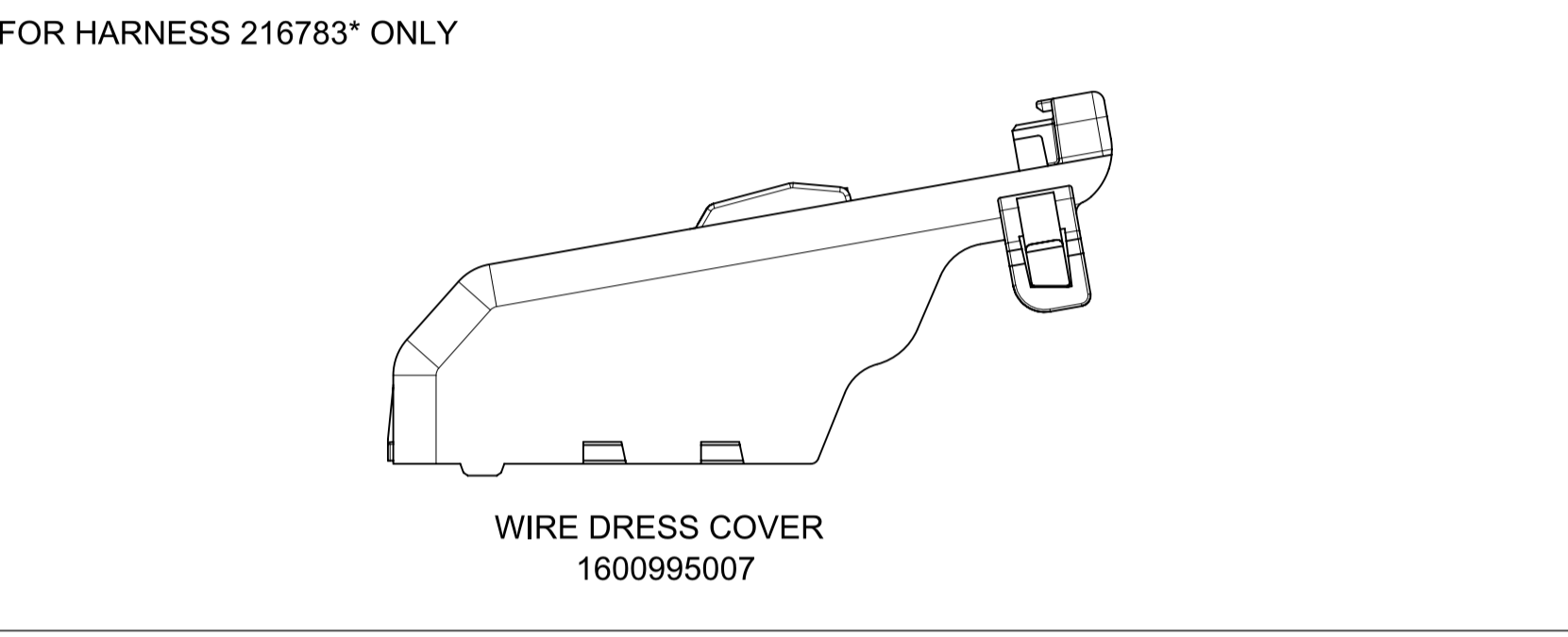
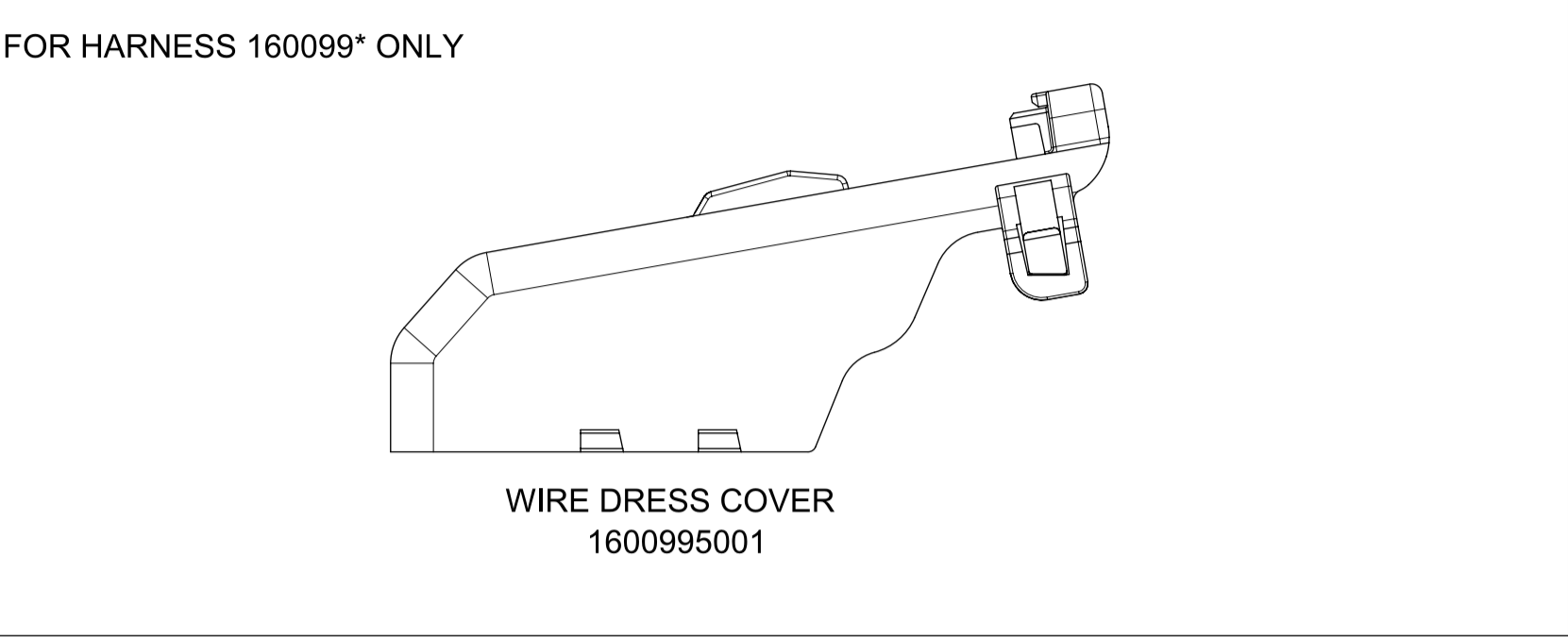
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	GENERAL TOLERANCES (UNLESS SPECIFIED) ANGULAR TOL ± ° 4 PLACES ± 3 PLACES ± 2 PLACES ± 1 PLACE ± 0 PLACES ±			
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	THIRD ANGLE PROJECTION	DRAWING: A1-SIZE	SERIES: 160099	MATERIAL NUMBER: _____ CUSTOMER: _____ SHEET NUMBER: 3 OF 17

SHEET DESCRIPTION
INTEGRAL COMPONENTS

THE FOLLOWING COMPONENTS ARE SOLD SEPERATELY.
SEE BOM FOR ADDITIONAL INFORMATION.



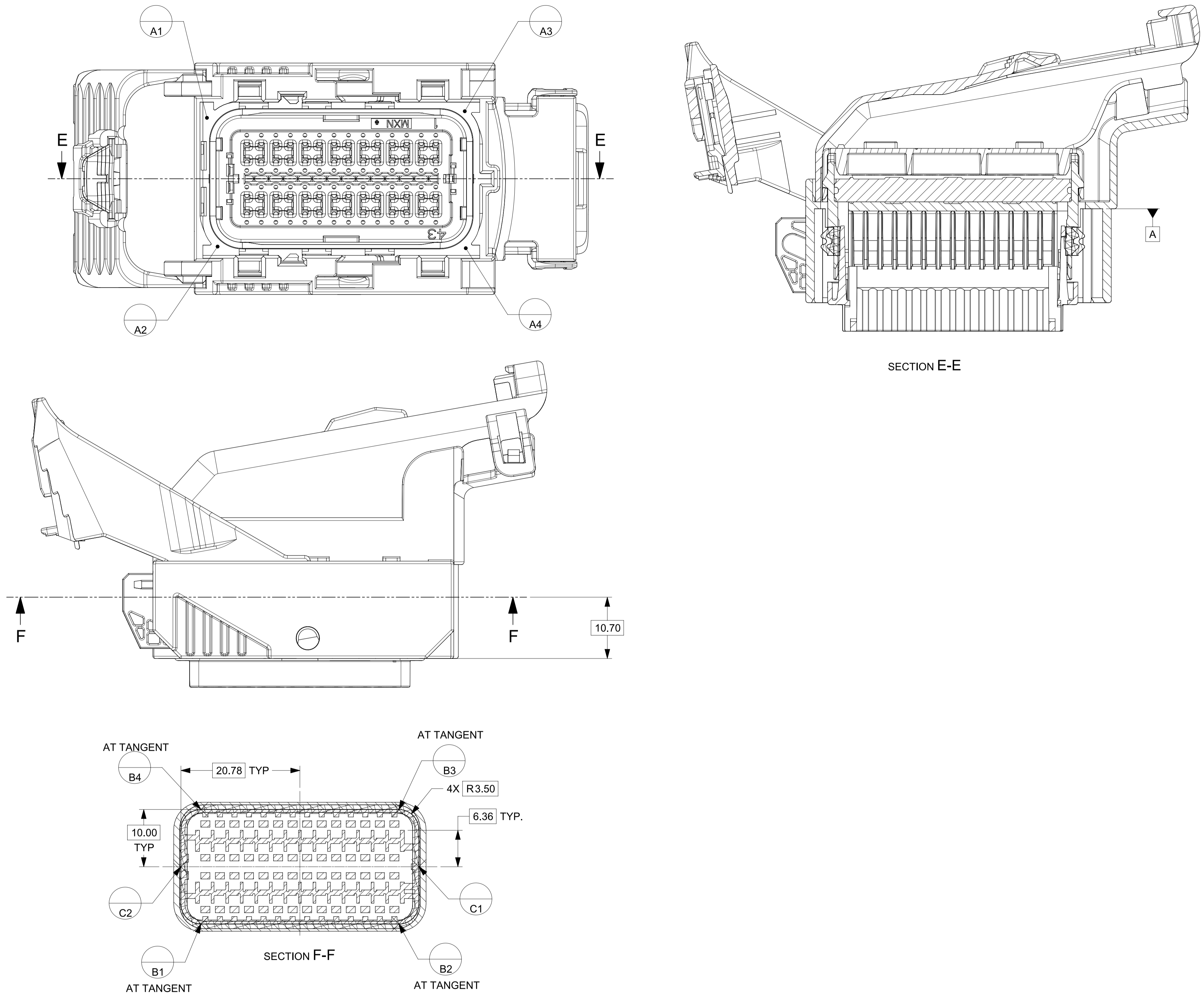
ASSEMBLED
W/ INTEGRAL COMPONENTS



FUNCTIONAL SYMBOLS $\frac{F}{A} = 0$ $\frac{F}{C} = 0$ $\frac{F}{P} = 0$	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		CURRENT REV DESC: SEE REVISION TABLE		
	DIMENSION UNITS	SCALE			
	GENERAL TOLERANCES (UNLESS SPECIFIED)				
	ANGULAR TOL				
DIVISIONAL SYMBOLS	4 PLACES	±			STATUS: Production DRWN: ADARSH SETTY CHK'D: Anil Kumar M S APPR: Brad Dick
	3 PLACES	±			
	2 PLACES	±			
	1 PLACE	±			
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION	DRAWING	SERIES	2023-02-03 2023-03-08 2023-03-08
			A1-SIZE	160099	DOCUMENT NUMBER: 1600990001-SD DOC TYPE: PSD DOC PART: 000 REVISION: A9
					PRODUCT SALES DRAWING MATERIAL NUMBER: 1600990001-SD CUSTOMER:
					SHEET NUMBER: 4 OF 17

SHEET DESCRIPTION

DATUM TARGETS



FUNCTIONAL SYMBOLS $\frac{E}{A} = 0$ $\frac{E}{C} = 0$ $\frac{E}{P} = 0$	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION	DIMENSION UNITS: mm SCALE: 2.5:1	CURRENT REV DESC: SEE REVISION TABLE			
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DIVISIONAL SYMBOLS DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	THIRD ANGLE PROJECTION	DRAWING: A1-SIZE	SERIES: 160099	MATERIAL NUMBER:	CUSTOMER:	SHEET NUMBER: 5 OF 17

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SDC56 56CKT HRNS CONN ASSY

PRODUCT SALES DRAWING

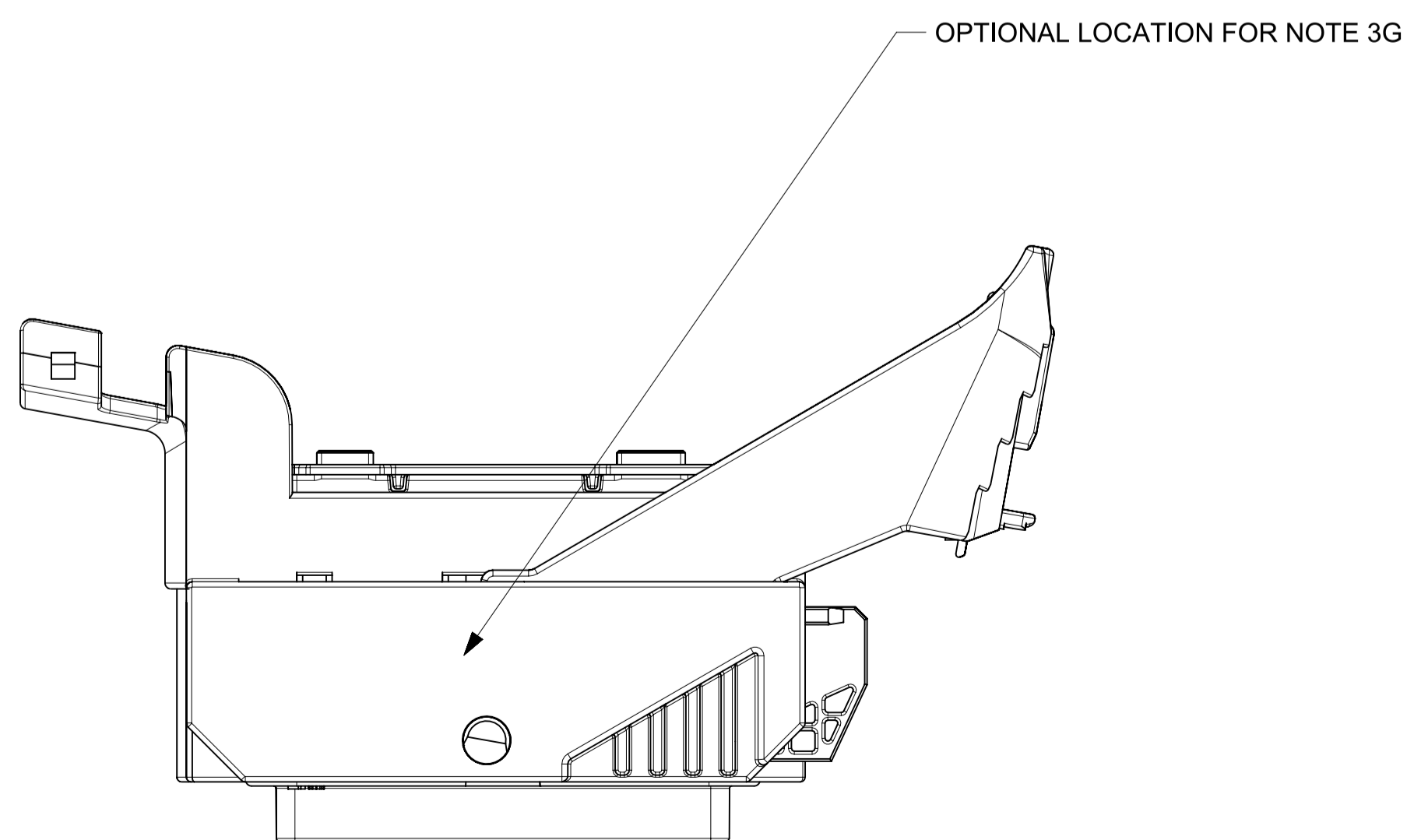
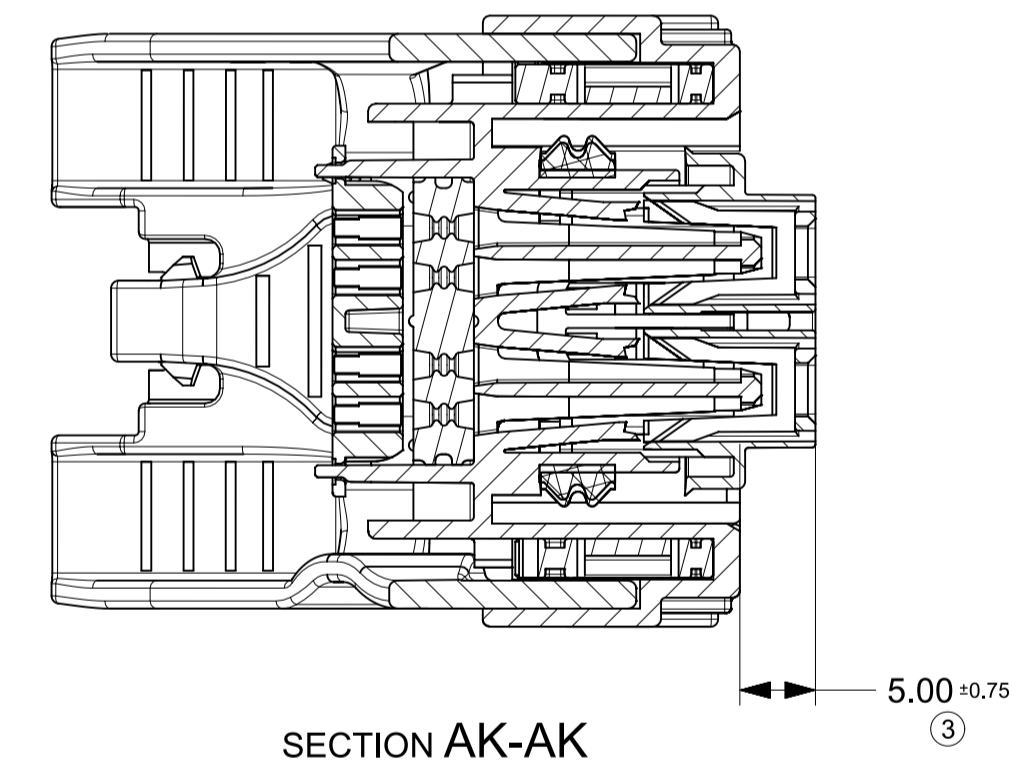
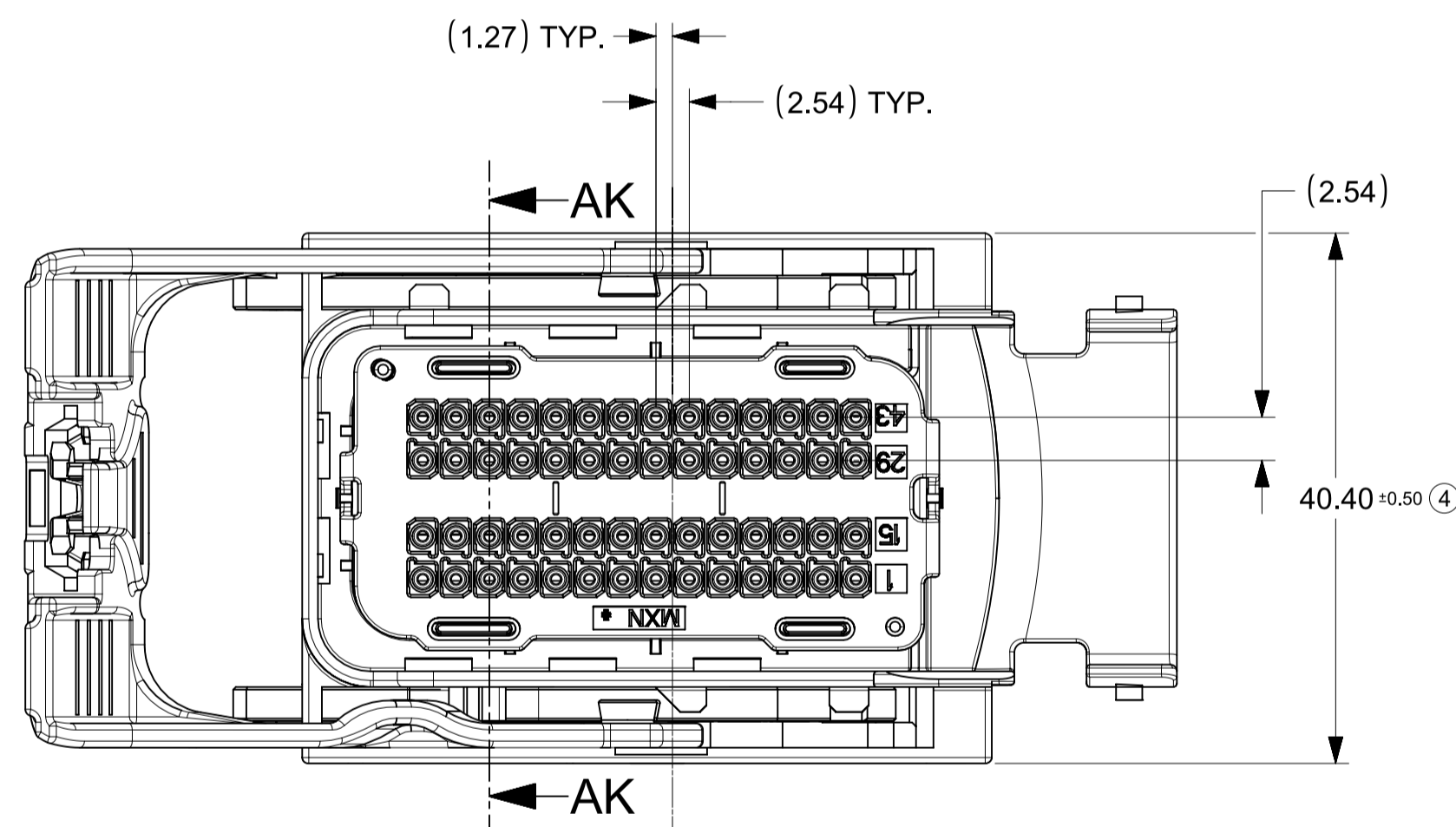
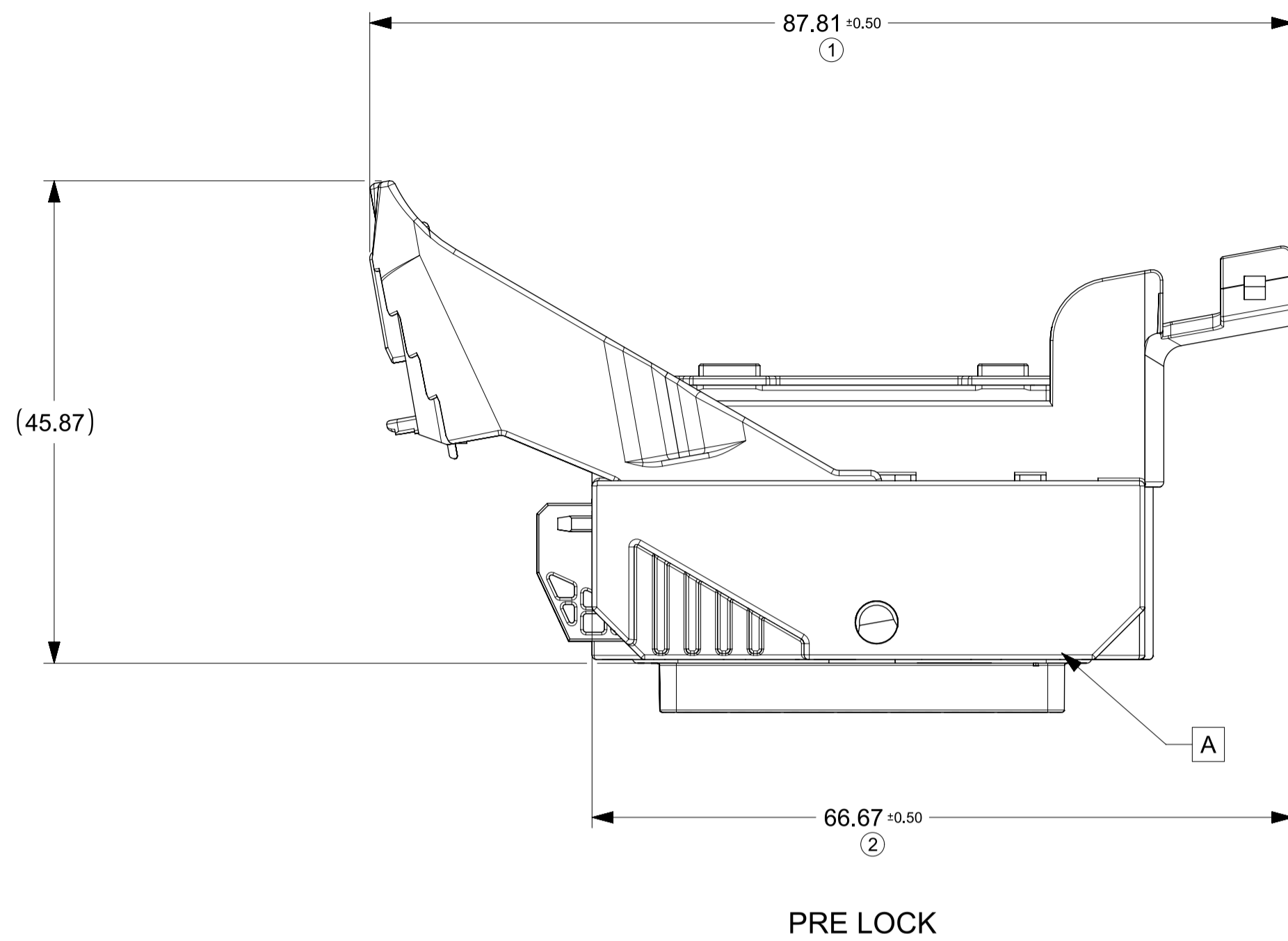
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 DOC TYPE: PSD
 DOC PART: 000
 REVISION: A9

STATUS: Production
 DRWN: ADARSH SETTY
 CHK'D: Anil Kumar M S
 APPR: Brad Dick

DRAWING: A1-SIZE
 SERIES: 160099

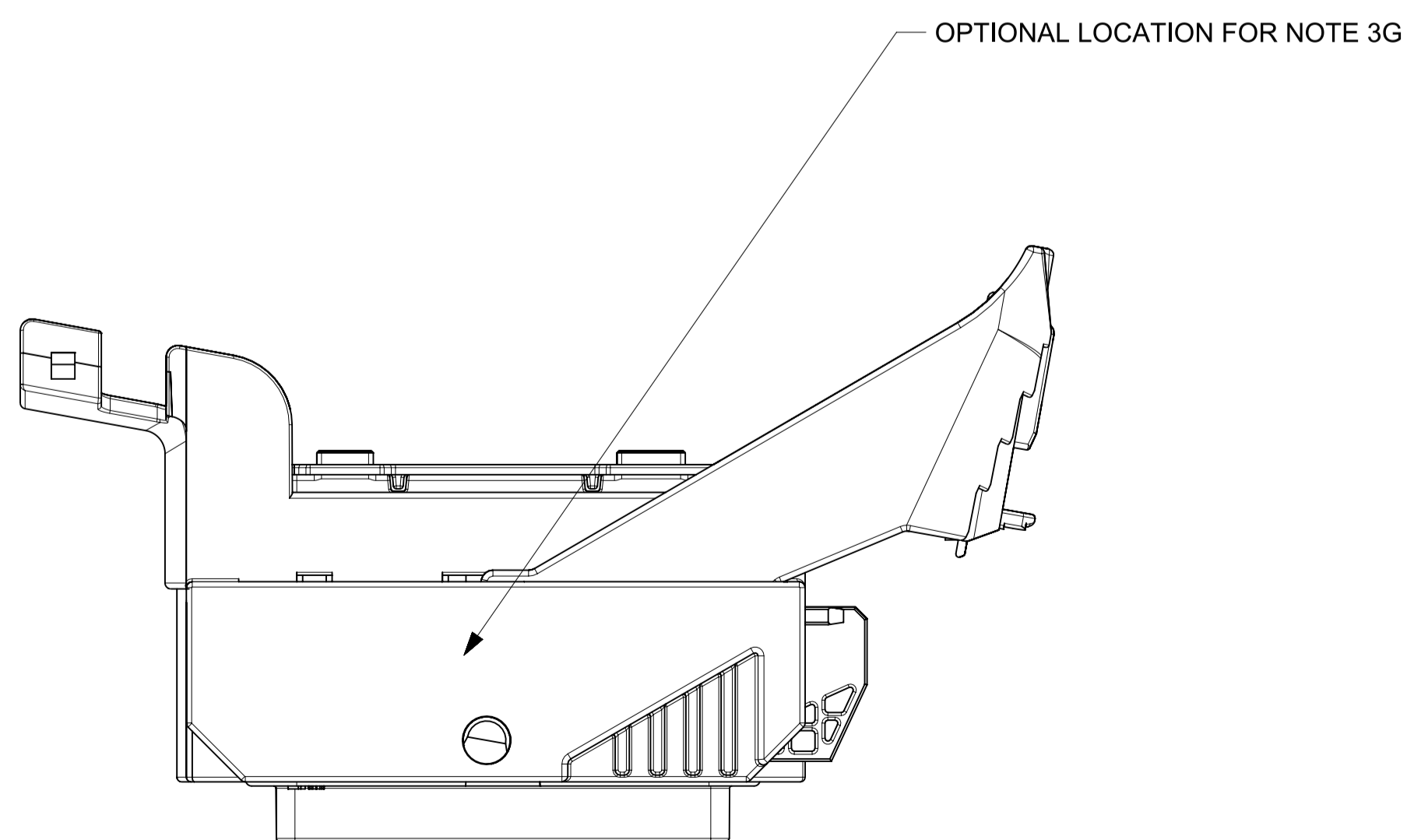
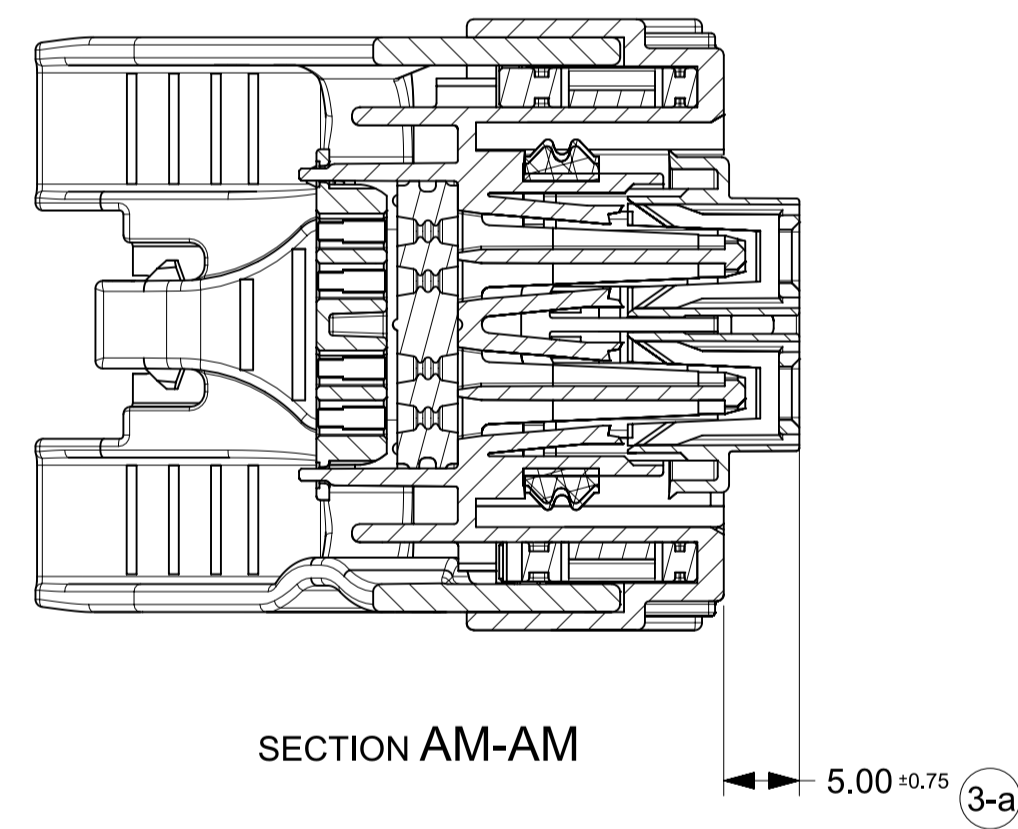
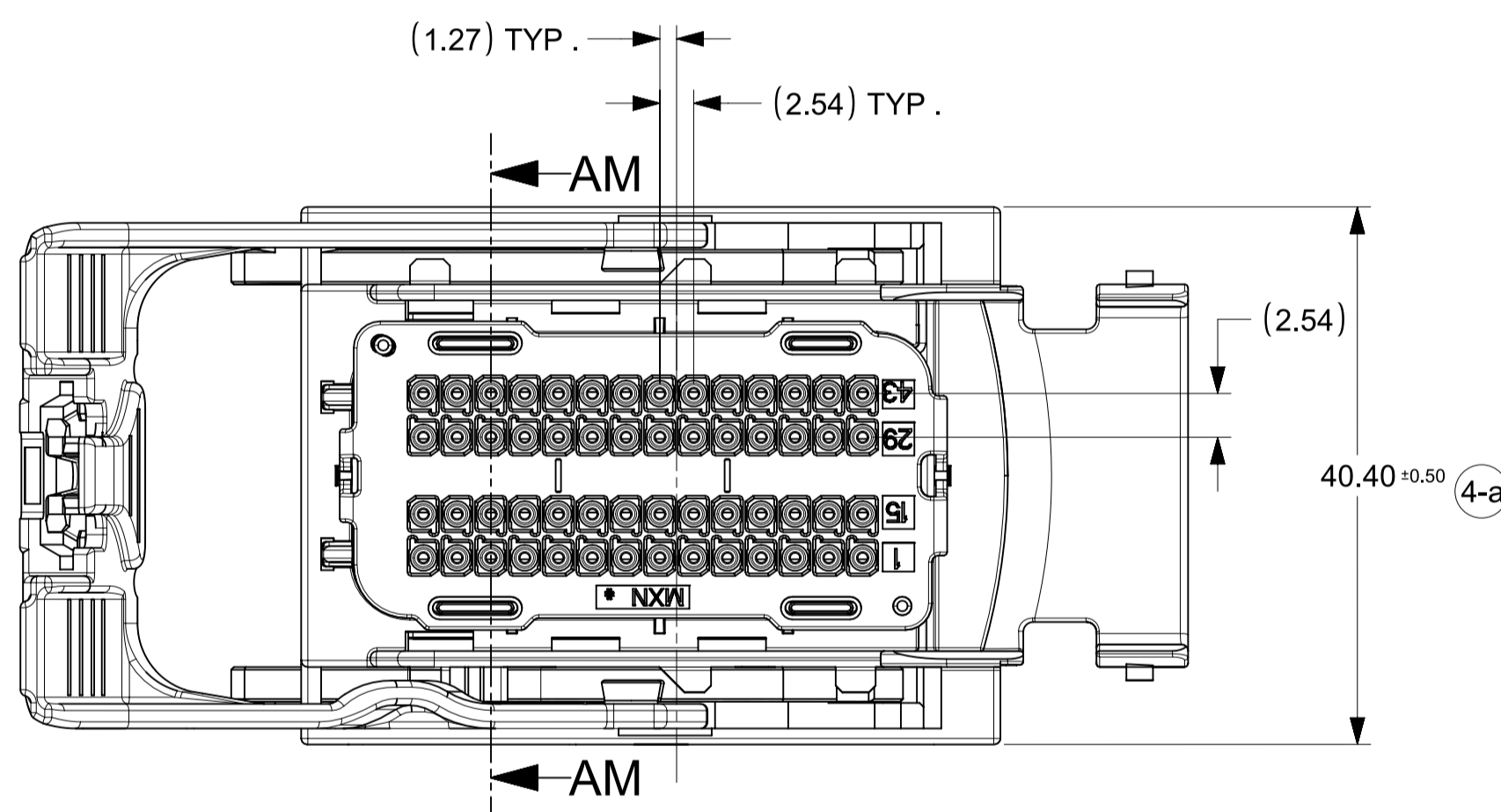
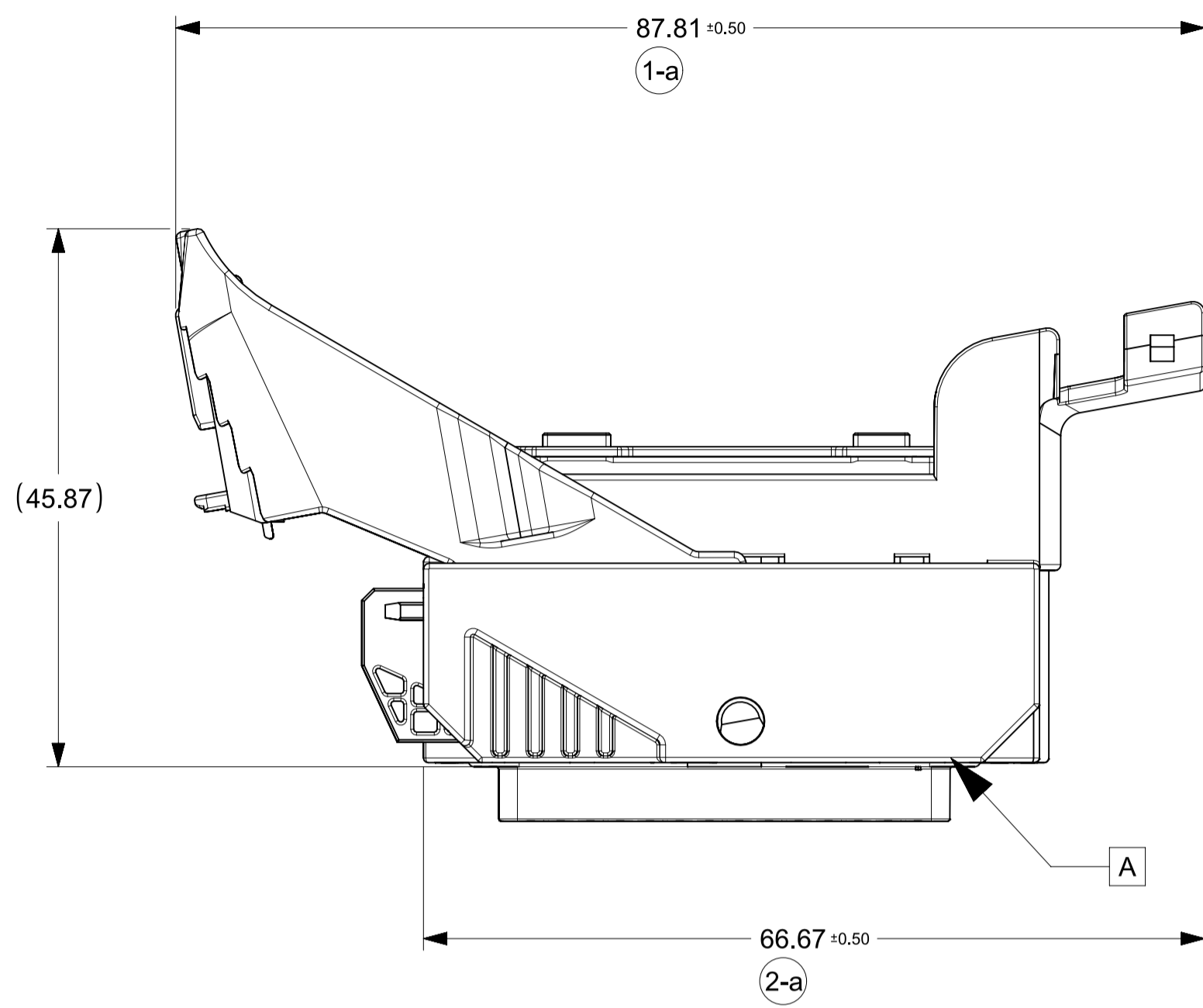
SHEET NUMBER: 5 OF 17

SHEET DESCRIPTION
PACKAGING DIMENSIONS -TYPE 1



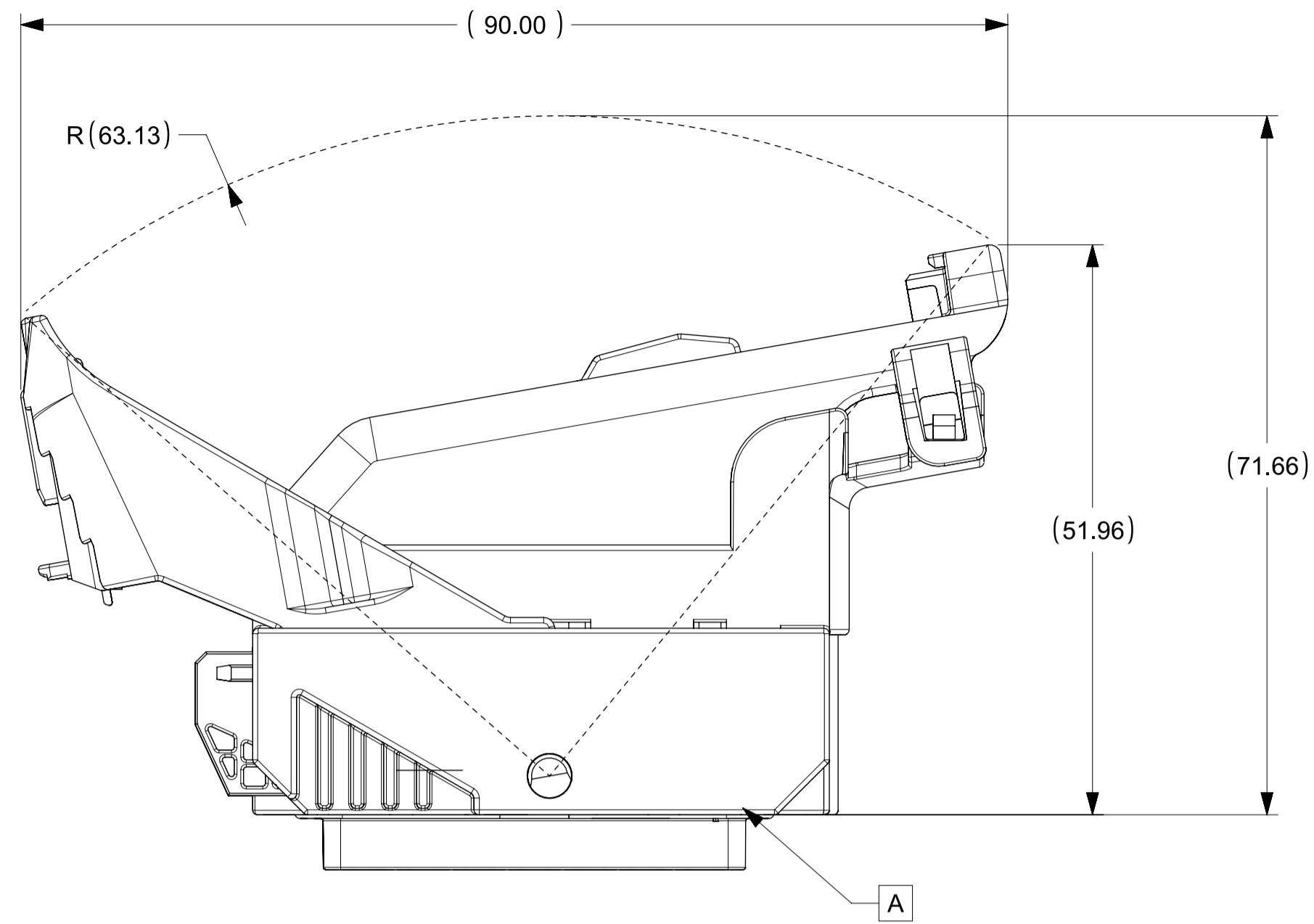
FUNCTIONAL SYMBOLS $\nabla_A = 0$ $\nabla_C = 0$ $\nabla_P = 0$ DIVISIONAL SYMBOLS	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		CURRENT REV DESC: SEE REVISION TABLE					
	DIMENSION UNITS	SCALE						SDC56 56CKT HRNS CONN ASSY
	GENERAL TOLERANCES (UNLESS SPECIFIED)				PRODUCT SALES DRAWING			
	ANGULAR TOL ± °				DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
4 PLACES ±				1600990001-SD		PSD	000	A9
3 PLACES ±				STATUS: Production				
2 PLACES ±				DRWN: ADARSH SETTY		2023-02-03		
1 PLACE ±				CHK'D: Anil Kumar M S		2023-03-08		
0 PLACES ±				APPR: Brad Dick		2023-03-08		
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION	DRAWING	SERIES	MATERIAL NUMBER	CUSTOMER	SHEET NUMBER	
			A1-SIZE	160099			6 OF 17	

SHEET DESCRIPTION
PACKAGING DIMENSIONS -TYPE 2

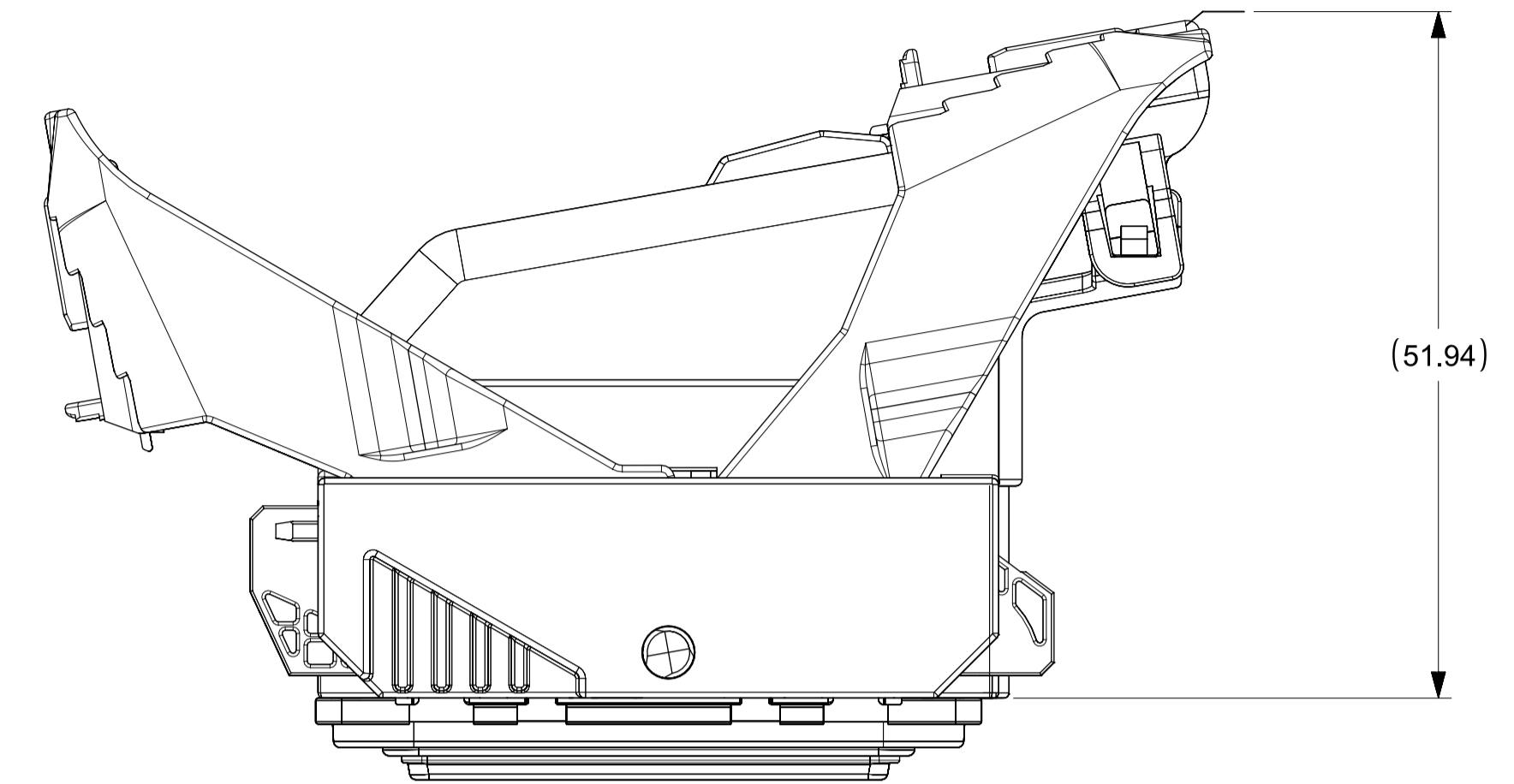


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	DIMENSION UNITS	SCALE						SDC56 56CKT HRNS CONN ASSY
	GENERAL TOLERANCES (UNLESS SPECIFIED)				PRODUCT SALES DRAWING			
	ANGULAR TOL	±			DOCUMENT NUMBER			
4 PLACES	±			1600990001-SD		DOC TYPE	DOC PART	REVISION
3 PLACES	±			STATUS: Production		PSD	000	A9
2 PLACES	±			DRWN: ADARSH SETTY		2023-02-03		
1 PLACE	±			CHK'D: Anil Kumar M S		2023-03-08		
0 PLACES	±			APPR: Brad Dick		2023-03-08		
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION	DRAWING	SERIES	MATERIAL NUMBER	CUSTOMER	SHEET NUMBER	
			A1-SIZE	160099			7 OF 17	

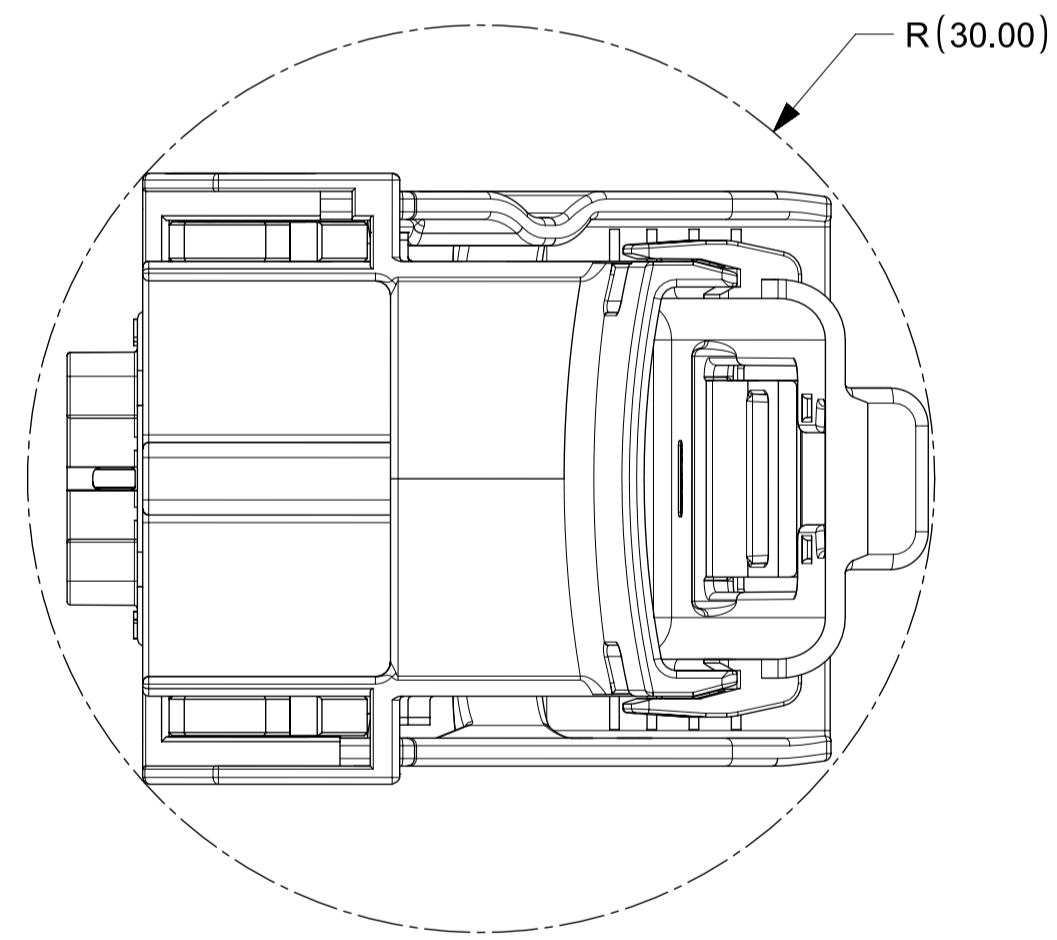
SHEET DESCRIPTION
RECEPTACLE PACKAGING



PRE LOCK



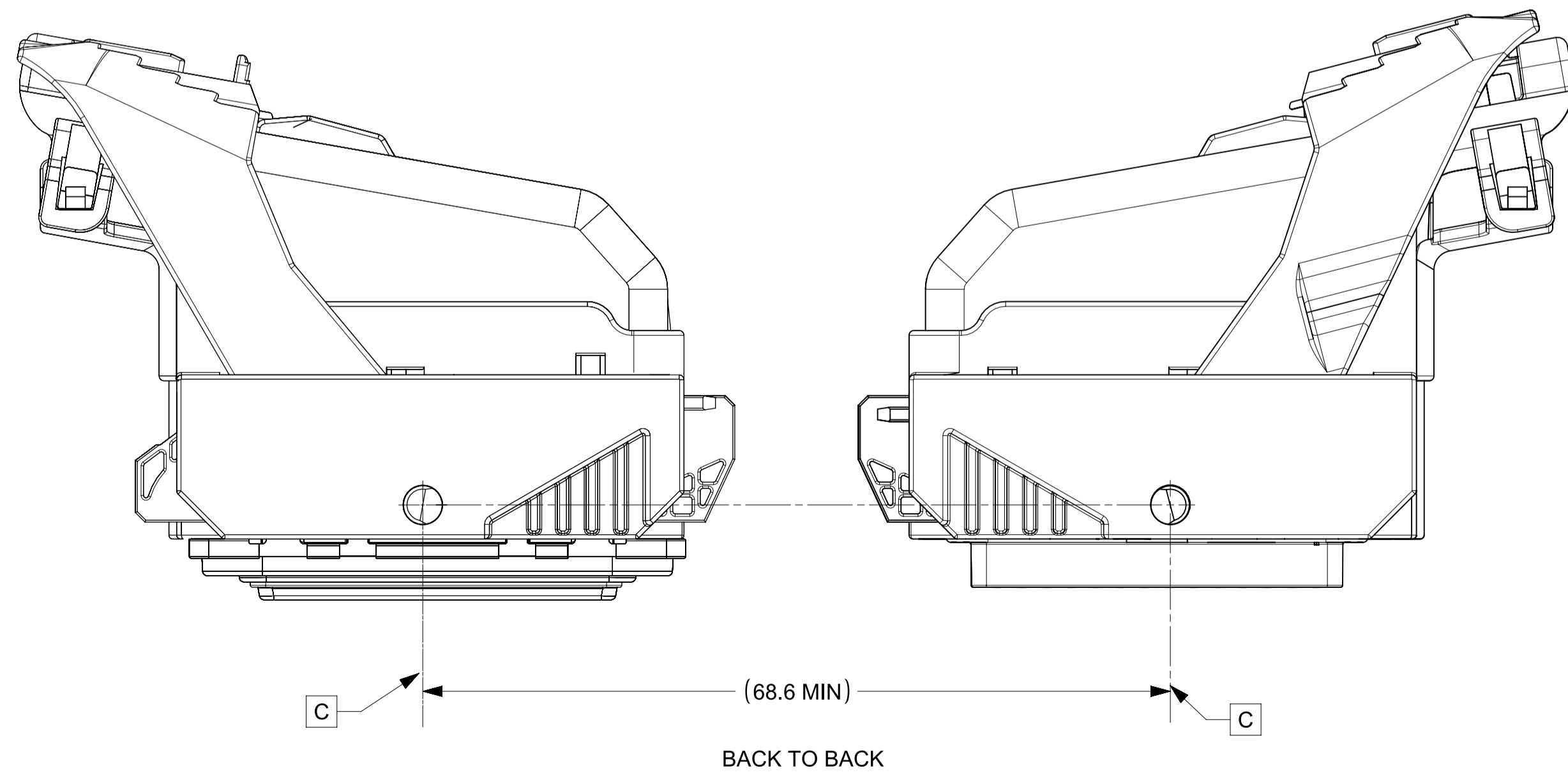
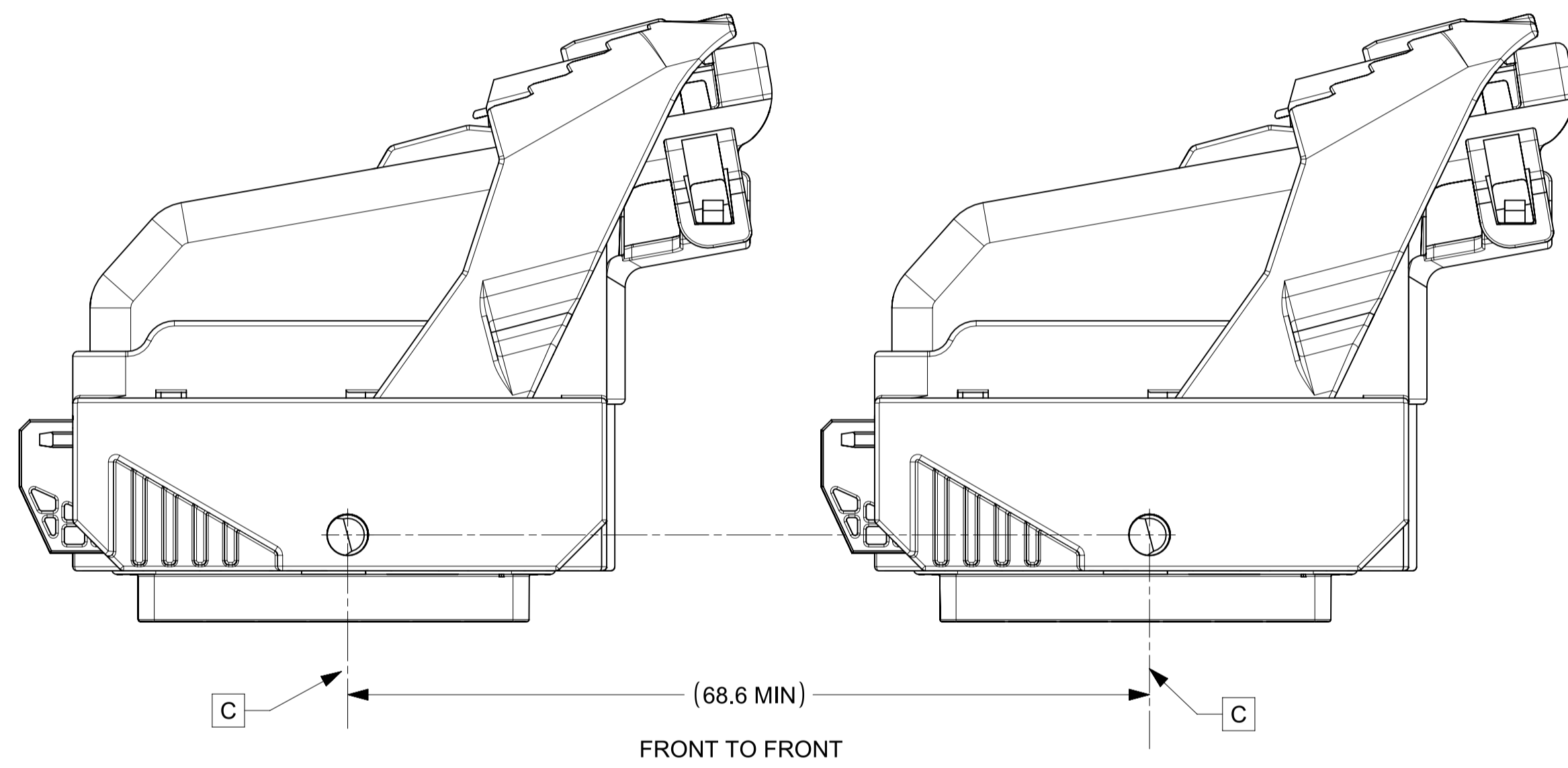
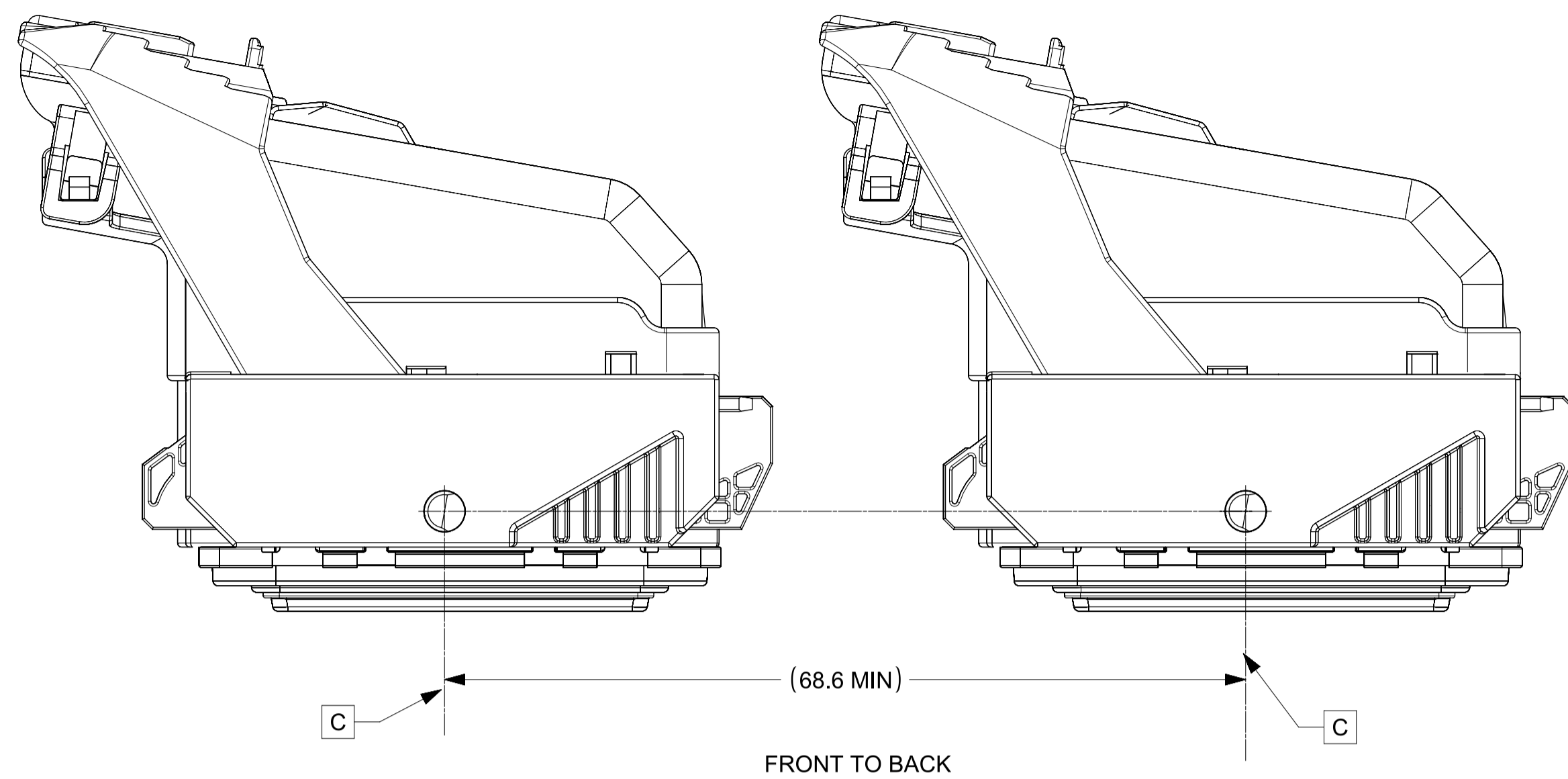
FINAL LOCK



MINIMUM SIZE HOLE TO PASS THROUGH

FUNCTIONAL SYMBOLS $\frac{F}{A} = 0$ $\frac{F}{C} = 0$ $\frac{F}{P} = 0$	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION	CURRENT REV DESC: SEE REVISION TABLE						
	DIMENSION UNITS	SCALE	GENERAL TOLERANCES (UNLESS SPECIFIED)					DOCUMENT NUMBER
	mm	2:1	ANGULAR TOL ± °		1600990001-SD	PSD	000	A9
	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION	DRAWING	SERIES	MATERIAL NUMBER	CUSTOMER	SHEET NUMBER
			A1-SIZE	160099			8 OF 17	
		STATUS: Production		PRODUCT SALES DRAWING				
		DRWN: ADARSH SETTY		2023-02-03				
		CHK'D: Anil Kumar M S		2023-03-08				
		APPR: Brad Dick		2023-03-08				

SHEET DESCRIPTION
RECEPTACLE PACKAGING



FUNCTIONAL SYMBOLS	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		CURRENT REV DESC: SEE REVISION TABLE	
	DIMENSION UNITS	SCALE		
$\frac{F}{A} = 0$	mm	5:1		
$\frac{F}{C} = 0$	GENERAL TOLERANCES (UNLESS SPECIFIED)			
$\frac{F}{P} = 0$	ANGULAR TOL		± °	
DIVISIONAL SYMBOLS	4 PLACES	±		
	3 PLACES	±		
	2 PLACES	±		
	1 PLACE	±		
	0 PLACES	±		
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION	DRAWING	SERIES
			A1-SIZE	160099
		STATUS: Production		2023-02-03
		DRWN: ADARSH SETTY		2023-03-08
		CHK'D: Anil Kumar M S		2023-03-08
		APPR: Brad Dick		
		DOCUMENT NUMBER	DOC TYPE	DOC PART
		1600990001-SD	PSD	000
		CUSTOMER	REVISION	
			A9	
		MATERIAL NUMBER	SHEET NUMBER	
			9 OF 17	

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SDC56 56CKT HRNS CONN ASSY

PRODUCT SALES DRAWING

TABLE OF CONTENTS	
SHEET NO.	SHEET DESCRIPTION
9	NOTES AND BOM
10	CONFIGURATIONS
11	POLARIZATION
12	DATUM TARGETS
13-14	INTERFACE PARTITION DEFINITION
15-16	CONNECTOR PARTITION DEFINITION

MATING INTERFACE CHART					
DESCRIPTION	KEY OPTION	CIRCUIT SIZE	SERIES#	COLOUR	STATUS
56 CKTs, KEY G, BLUE OPTION 0	KEY G	56	160099	BLUE	CONCEPT ONLY
56 CKTs, KEY H, STONE GRAY OPTION 0	KEY H	56	160099	STONE GRAY	CONCEPT ONLY
56 CKTs, KEY J, BLACK OPTION 0	KEY J	56	160099	BLACK	CONCEPT ONLY
56 CKTs, KEY K, BROWN OPTION 0	KEY K	56	160099	BROWN	CONCEPT ONLY
56 CKTs, KEY L, GREEN OPTION 0	KEY L	56	160099	GREEN	CONCEPT ONLY
56 CKTs, KEY M, NATURAL OPTION 0	KEY M	56	160099	NATURAL	CONCEPT ONLY

NOTES: VALID UNLESS OTHERWISE SPECIFIED

1. GENERAL:

- a. FLAMMABILITY REQUIREMENT: PER ISO3795 OR GM3191
 - 1. BURN RATE 100mm/MIN MAXIMUM
 - 2. MATERIAL MUST BE SELF EXTINGUISHING
- b. REFER TO "SAE/USCAR 12 CONNECTOR GUIDELINES" FOR ADDITIONAL REQUIREMENTS.

2. DESIGN - MATERIALS:

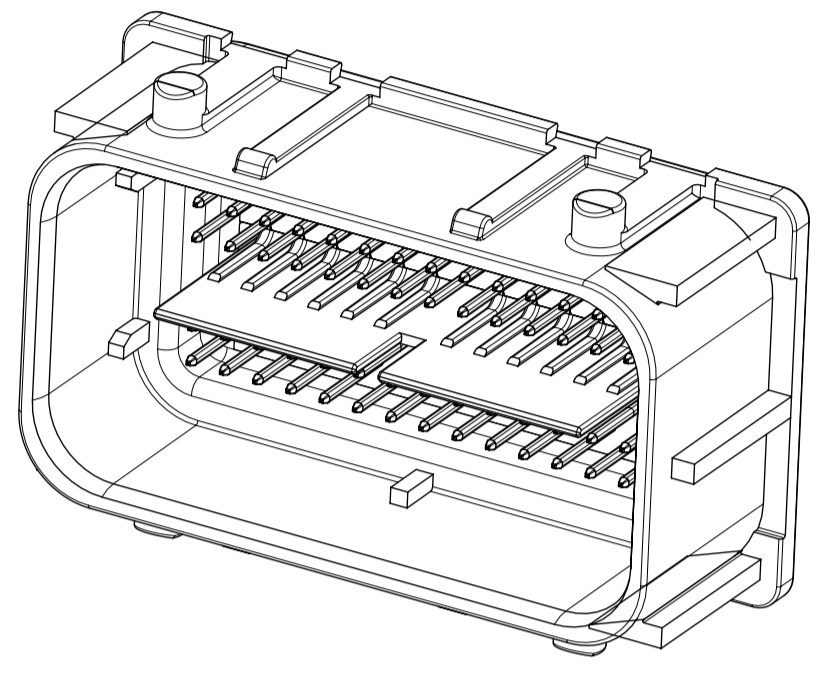
- a. HOUSING: SPS/NYLON 30% GLASS FILLED OR EQUIVALENT
- b. BLADE TERMINAL: FOR MATERIAL, DIMENSIONAL, AND COATING REQUIREMENTS AND ANY BLADE TERMINAL DESIGN INFORMATION NOT SHOWN ON THIS DRAWING SEE EWCAP DRW. NO. EWCAP-001
 - PLATING:
 - UNDERPLATING: ELECTRO-DEPOSITED NICKEL 1.27-2.24 MICROMETERS
 - TOP LAYER: ELECTRO-DEPOSITED SILVER 1.90-3.30 MICROMETERS
 - ANTI-TARNISH FOR Ag PLATING ONLY: SYTHETIC HYDROCARBON CONTACT SURFACE FINISH OR EQUIVALENT APPLIED WITHOUT VOID TO CONTACT AREA (MIN. 3.7mm FROM PIN TIP).
- c. STANDARD COLORS FOR POLARIZATION (SEE CHART). DEVIATION REQUIRES APPROVAL OF AUTHORIZED PERSON.

3. DESIGN - GEOMETRY:

- a. THE 3-D CAD DATA IS BASIC (WITHOUT TOLERANCE) AND THE MASTER FOR THIS PART WITH THE EXCEPTION OF UNDERLINED DIMENSIONS. DIMENSIONAL INFORMATION NOT SHOWN IN THIS DRAWING IS DEFINED BY THE DATA FILE AT ITS LATEST REVISION.
- b. PRODUCT DESIGN MODEL NUMBER(S): SEE MATING INTERFACE CHART
- c. GEOMETRIC DIMENSIONS AND TOLERANCES PER ASME Y14.5M - 2009
- d. GENERAL TOLERANCES: SEE TITLE BLOCK
- e. EDGES AND UNDIMENSIONED DETAILS PER ISO13715
- f. CORNERS SHOWN AS SHARP TO BE R 0.2 MAX.
- g. LETTERING SHALL BE 0.15 MAX RAISED IN 0.25 MAX RECESS PAD. THIS INCLUDES RECYCLING CODE, CAVITY ID, VENDOR IDENTIFICATION, AND CUSTOMER MATERIAL NUMBER. (for small parts: LETTERING SHALL BE 0.10 MAX RAISED IN 0.15 MAX RECESS PAD)

4. DESIGN - MANUFACTURING:

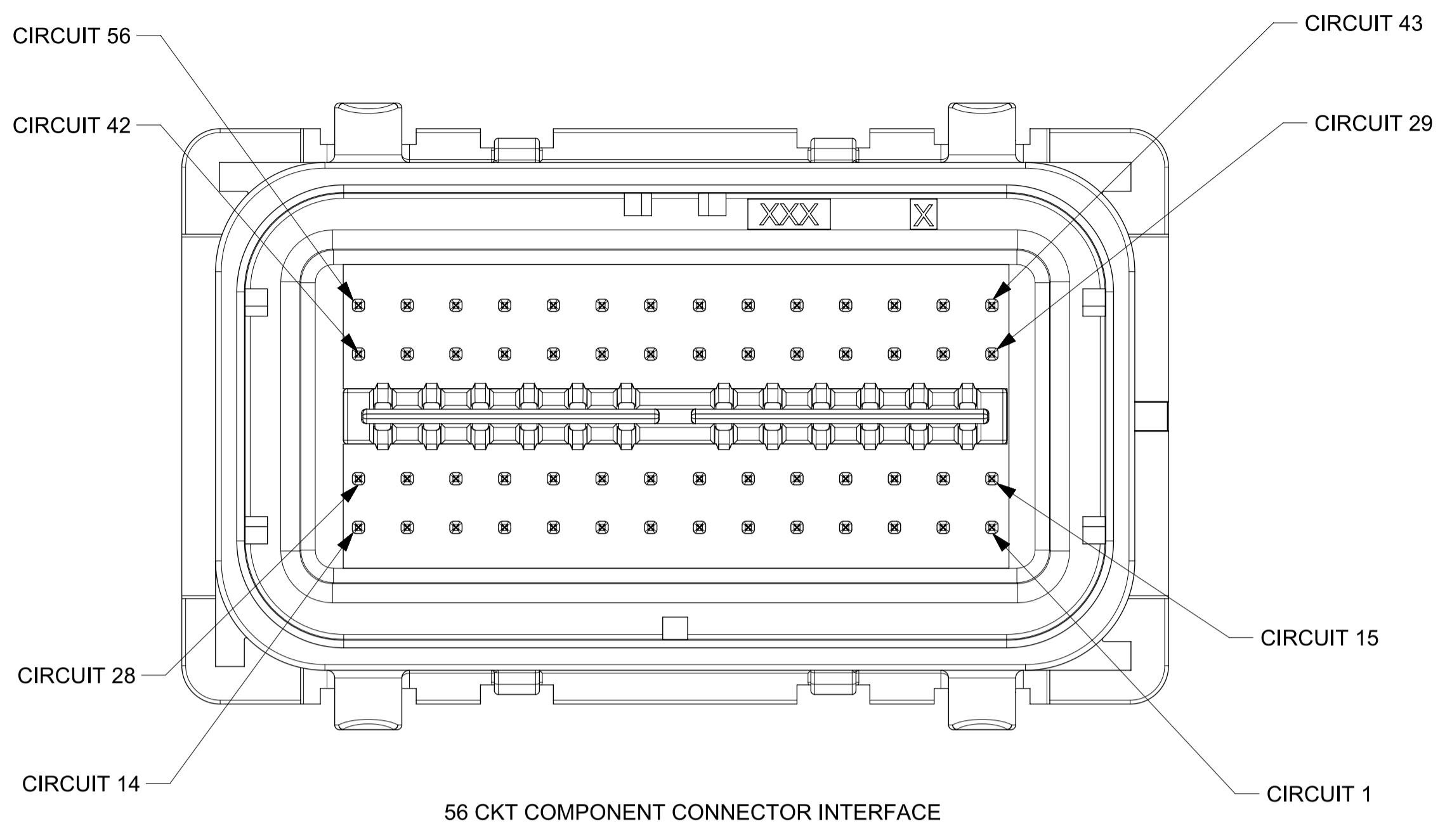
- a. ALLOWABLE FLASH MAX 0.20 HIGH BY MAX 0.13 THICK.
- b. ALLOWABLE SPLIT/PARTING LINE MISMATCH 0.2 MAX.
- c. EJECTOR PIN MARKS TO BE FLUSH TO 0.25 MAX DEPRESSED. LOCATION MUST BE APPROVED BY PRODUCT ENGINEERING. EJECTOR PIN MARKS NOT PERMISSIBLE ON OR NEAR DATUM TARGET AREA.
- d. ALLOWABLE GATE VESTIGE FLUSH TO 0.25 MAX RECESS. LOCATION MUST BE APPROVED BY PRODUCT ENGINEERING.
- e. NO EXTERNAL MOLD RELEASE AGENT ALLOWED DURING MANUFACTURING.
- f. NO PARTING LINES, MISMATCHES OR EJECTOR MARKS PERMISSIBLE WITHIN THE INDICATED SURFACE. TOOLING FOR INDICATED SURFACE MUST BE PROCESSED TO A SURFACE FINISH OF NTMA #70 (400 PAPER) OR SPI D-3 OR CHARMILLES 16.
- g. BLADE TERMINAL ENVIRONMENTAL BARRIER (WHERE SPECIFIED ON BOM) SHALL NOT BE PRESENT ON ANY SURFACE OTHER THAN THE BLADE TERMINALS



SCALE 2:1

FUNCTIONAL SYMBOLS $\frac{F}{A} = 0$ $\frac{F}{C} = 0$ $\frac{F}{P} = 0$	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION	DIMENSION UNITS: mm SCALE: 2:1	CURRENT REV DESC: SEE REVISION TABLE				
	GENERAL TOLERANCES (UNLESS SPECIFIED) ANGULAR TOL ± °	STATUS: Production DRWN: ADARSH SETTY CHK'D: Anil Kumar M S APPR: Brad Dick	2023-02-03 2023-03-08 2023-03-08				
	DIVISIONAL SYMBOLS 4 PLACES ± 3 PLACES ± 2 PLACES ± 1 PLACE ± 0 PLACES ±	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	THIRD ANGLE PROJECTION	DRAWING: A1-SIZE SERIES: 160099	DOCUMENT NUMBER: 1600990001-SD	DOC TYPE: PSD DOC PART: 000 REVISION: A9	
	MATERIAL NUMBER: _____ CUSTOMER: _____		SHEET NUMBER: 10 OF 17				

SHEET DESCRIPTION
CONFIGURATIONS



FUNCTIONAL SYMBOLS $\frac{E}{A} = 0$ $\frac{E}{C} = 0$ $\frac{E}{P} = 0$	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION	DIMENSION UNITS SCALE mm 1:1		CURRENT REV DESC: SEE REVISION TABLE		
	GENERAL TOLERANCES (UNLESS SPECIFIED)					STATUS: Production DRWN: ADARSH SETTY CHK'D: Anil Kumar M S APPR: Brad Dick
	ANGULAR TOL ± '					
	4 PLACES ±					
3 PLACES ±						
DIVISIONAL SYMBOLS	2 PLACES ±					
	1 PLACE ±					
	0 PLACES ±					
	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS					
THIRD ANGLE PROJECTION		DRAWING		SERIES		
		A1-SIZE		160099		
DOCUMENT NUMBER			DOC TYPE DOC PART REVISION			
1600990001-SD			PSD	000	A9	
MATERIAL NUMBER		CUSTOMER		SHEET NUMBER		
				11 OF 17		

molex

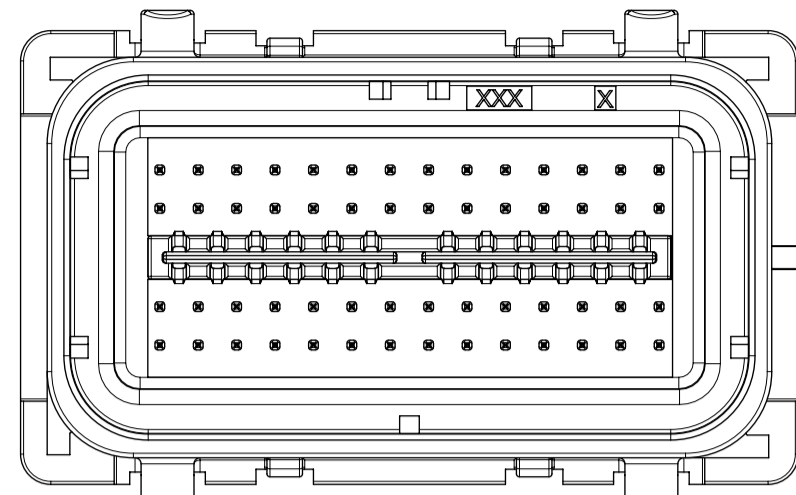
SDC56 56CKT HRNS CONN ASSY

PRODUCT SALES DRAWING

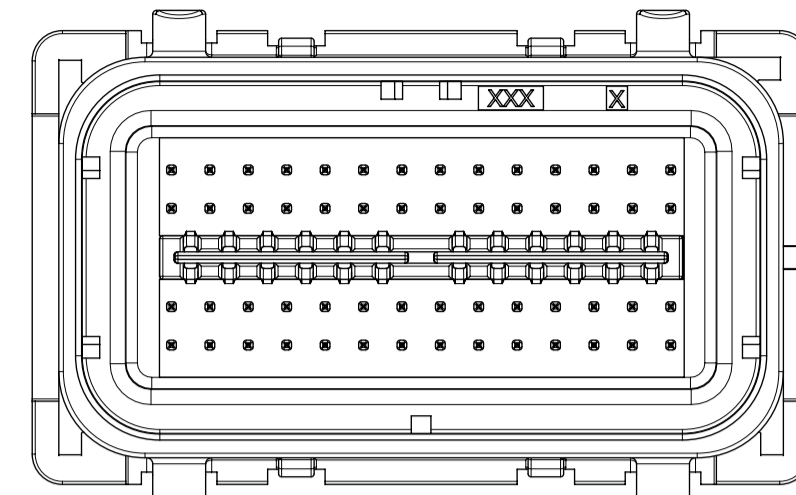
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2023-03-08

A1-SIZE 160099

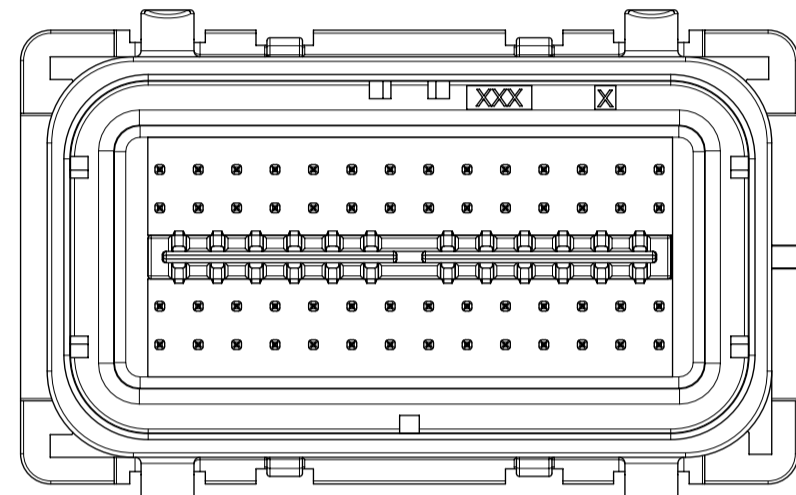
SHEET DESCRIPTION
POLARIZATION



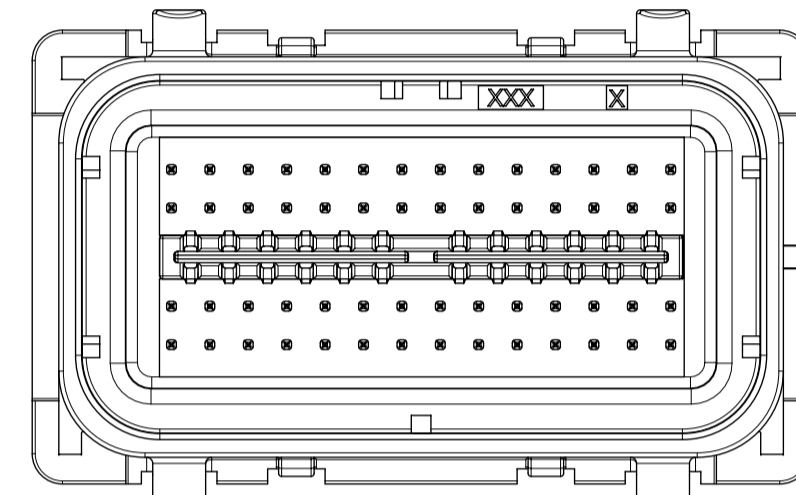
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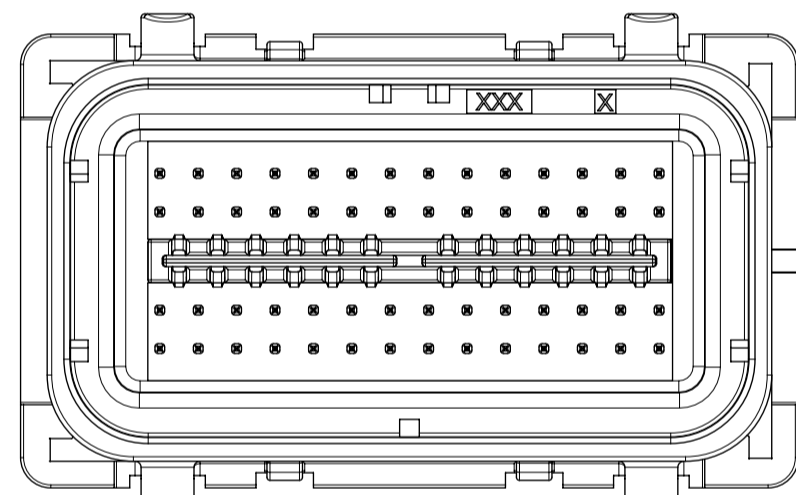
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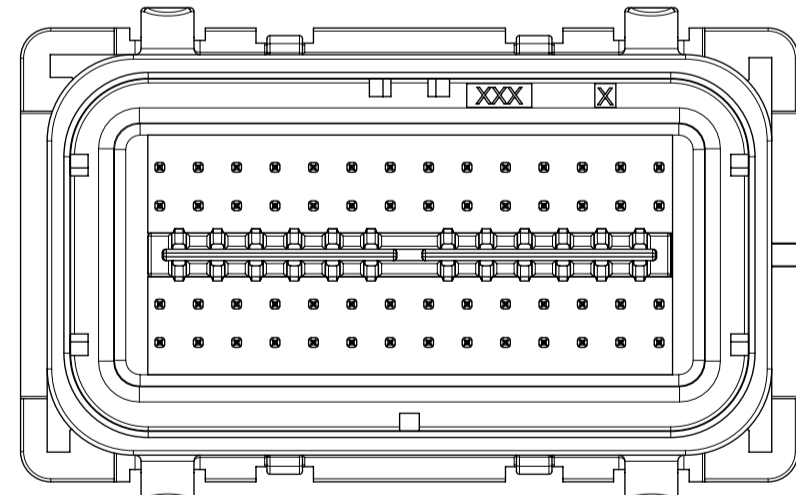
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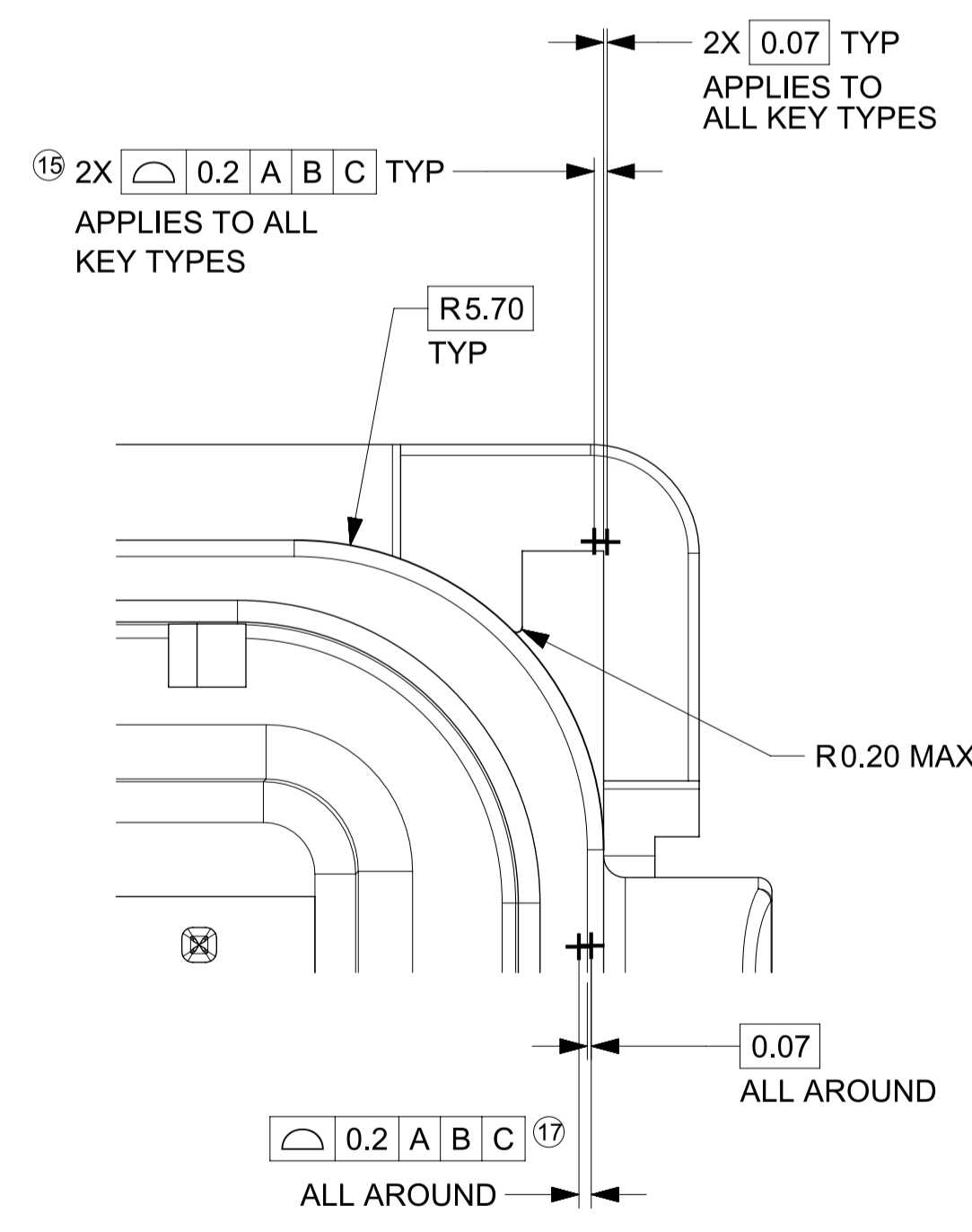
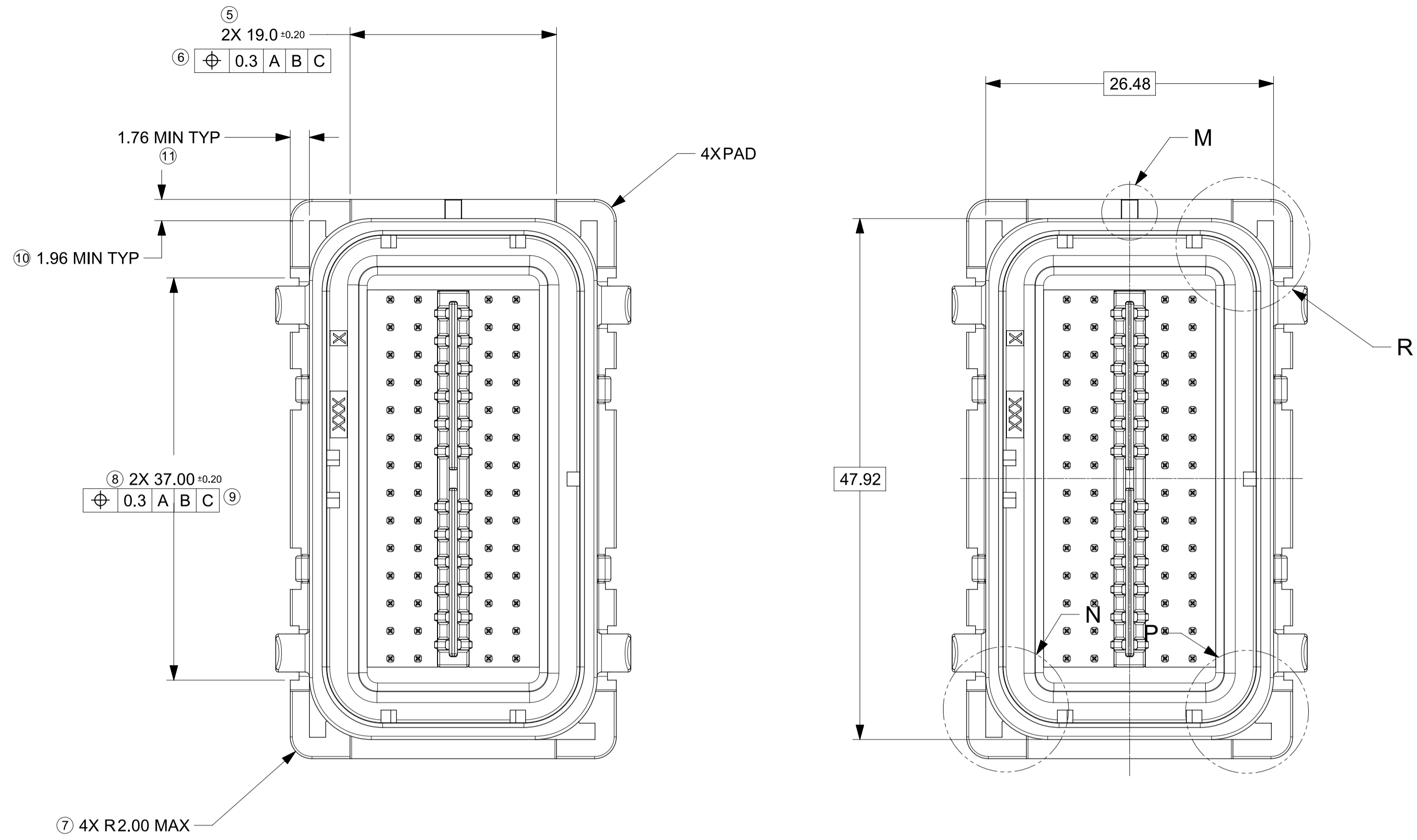
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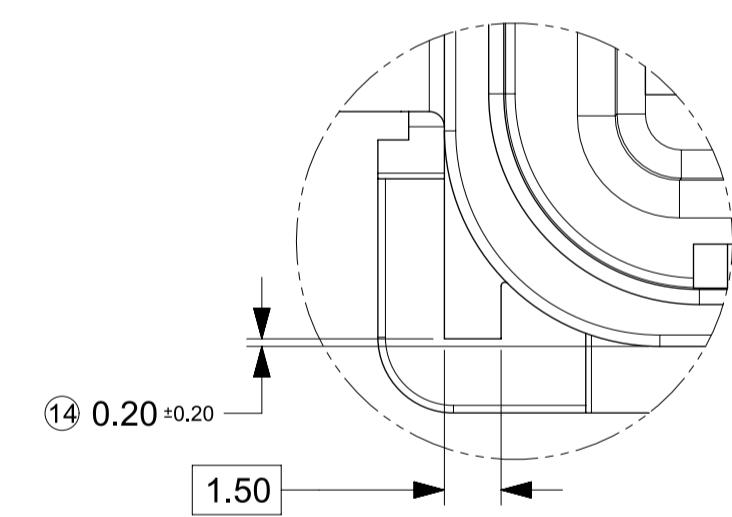
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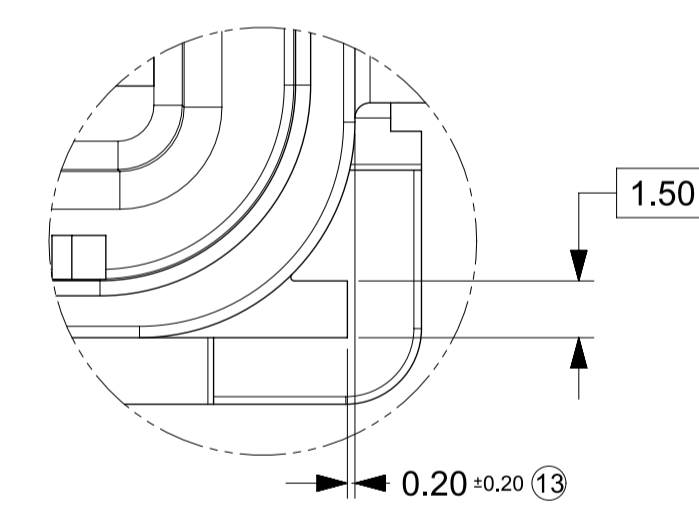
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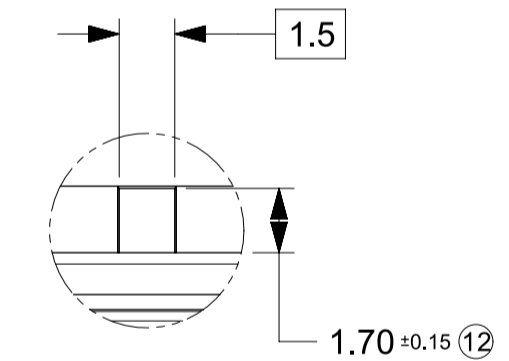
DETAIL R
SCALE 8:1



DETAIL N
SCALE 5:1



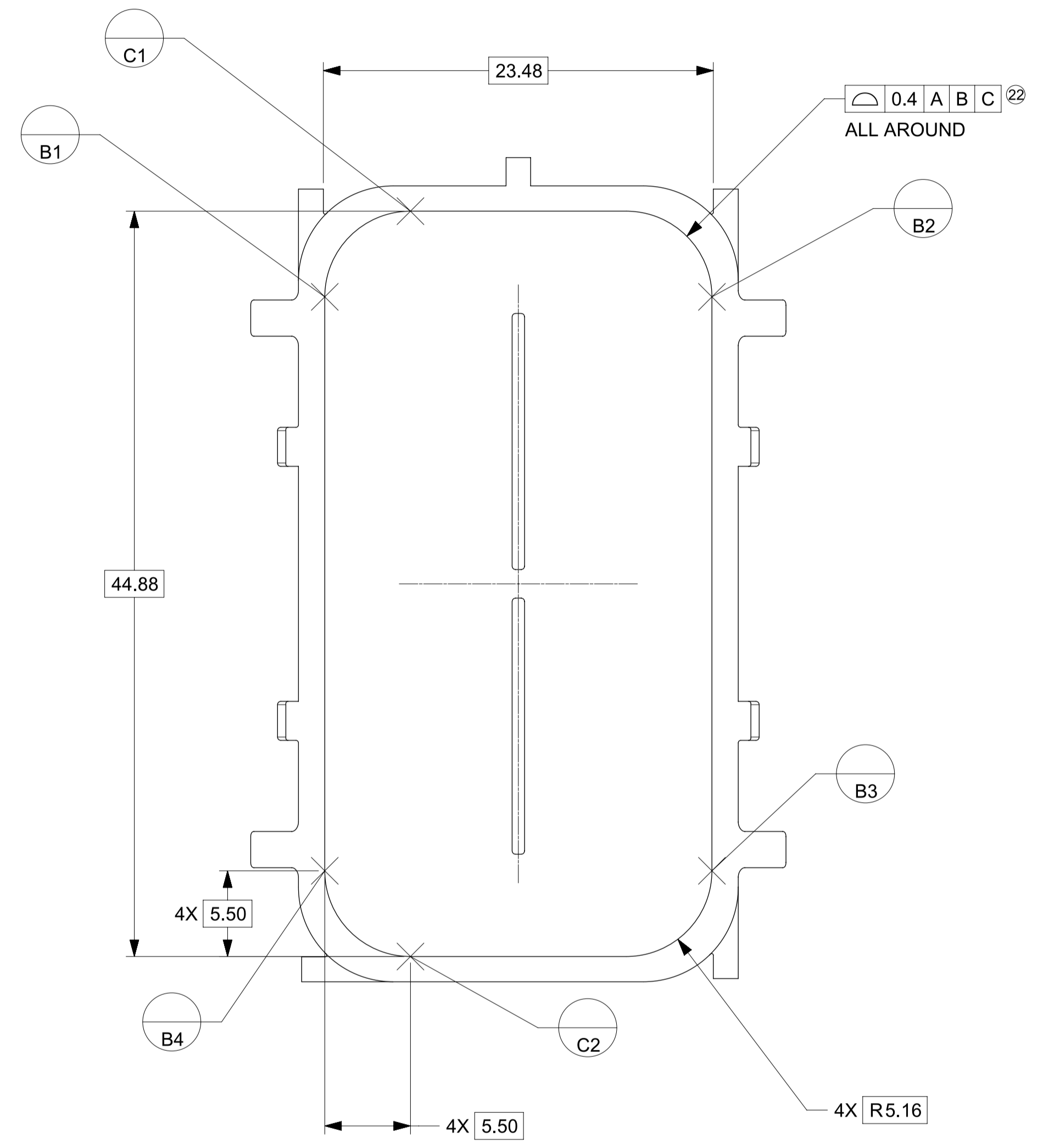
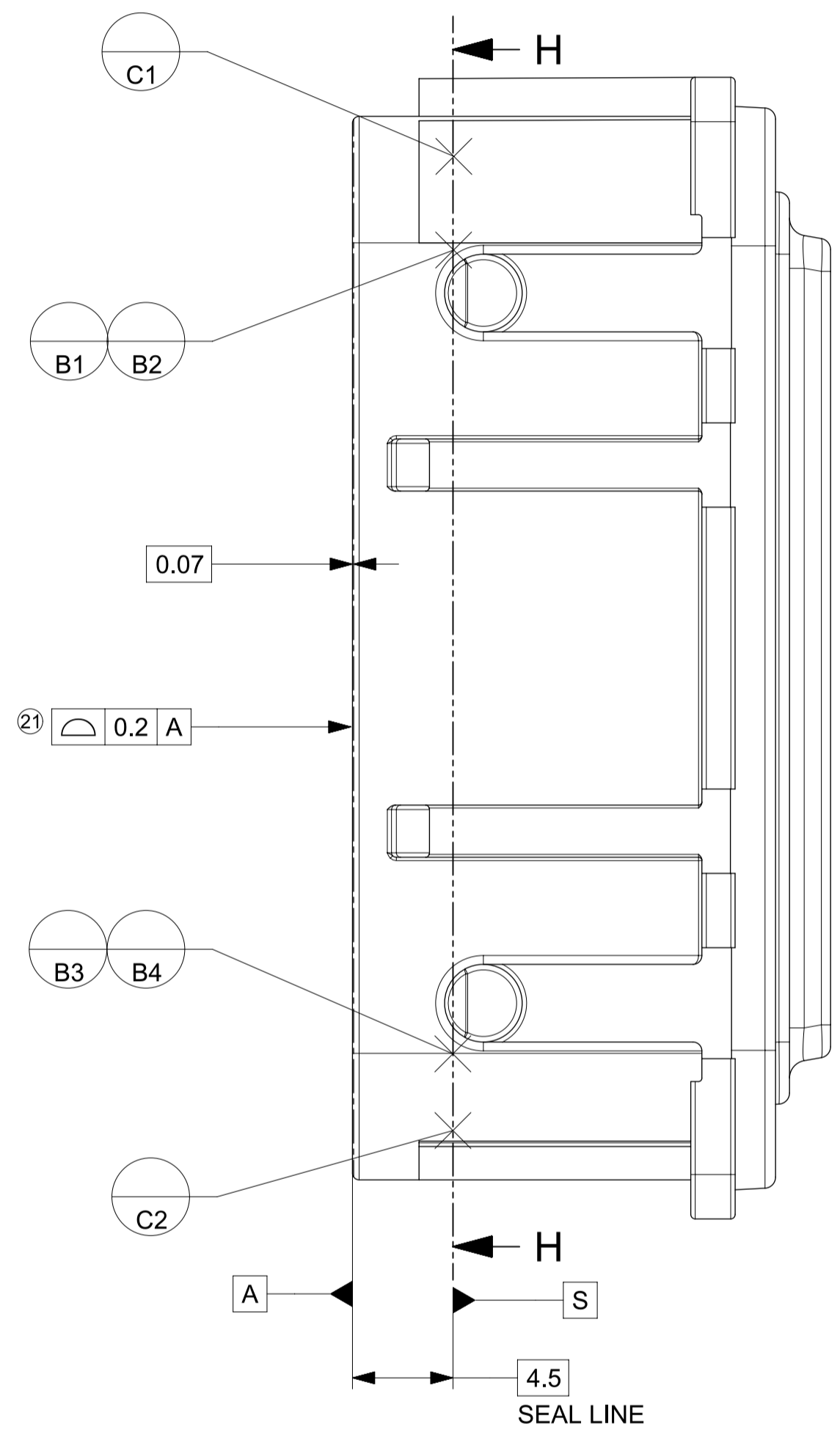
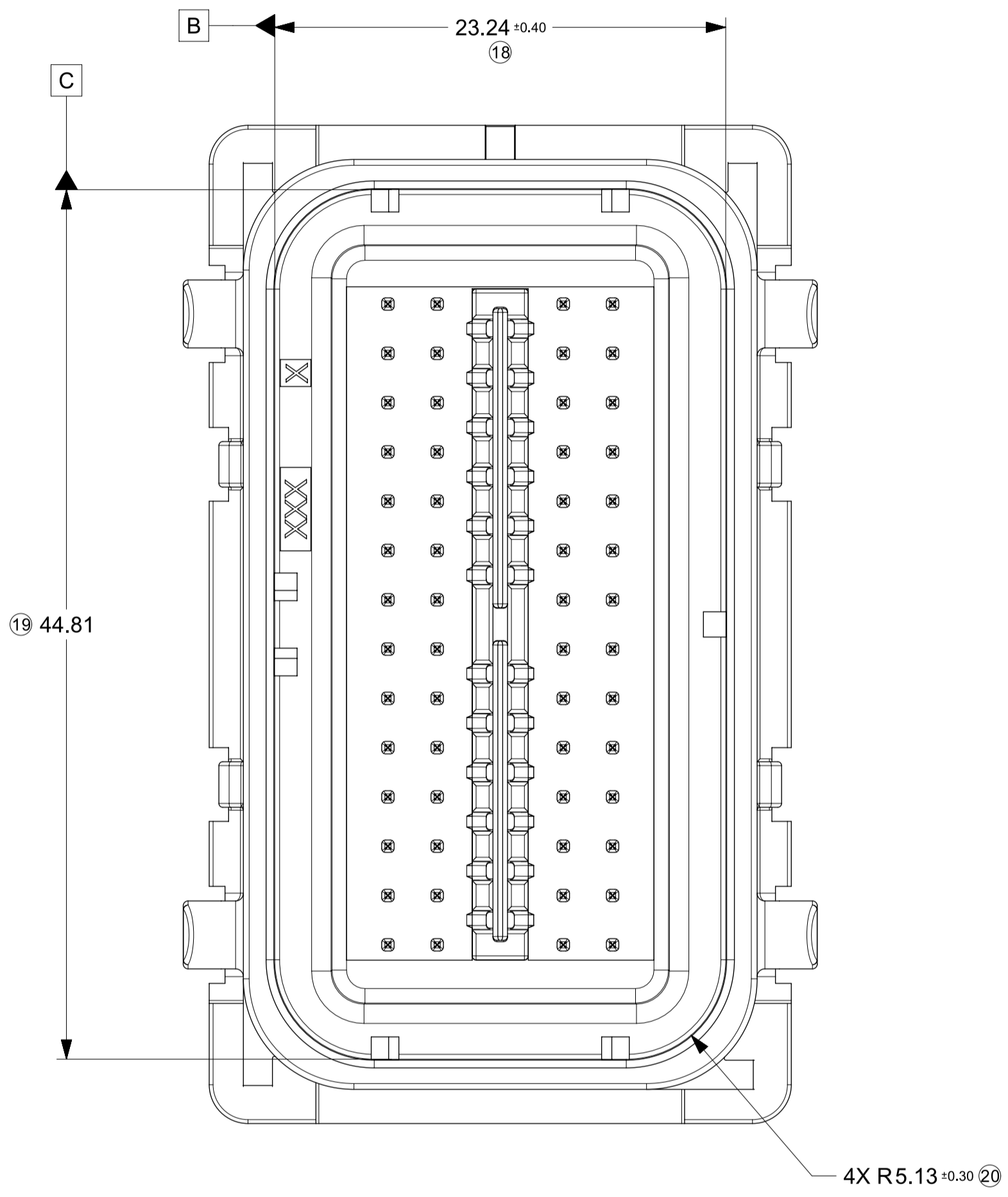
DETAIL P
SCALE 5:1



DETAIL M
SCALE 5:1

FUNCTIONAL SYMBOLS $\frac{E}{A} = 0$ $\frac{E}{C} = 0$ $\frac{E}{P} = 0$	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION DIMENSION UNITS: mm SCALE: 1:1	CURRENT REV DESC: SEE REVISION TABLE	
	GENERAL TOLERANCES (UNLESS SPECIFIED) ANGULAR TOL: \pm ° 4 PLACES: \pm 3 PLACES: \pm 2 PLACES: \pm 1 PLACE: \pm 0 PLACES: \pm	STATUS: Production DRWN: ADARSH SETTY CHK'D: Anil Kumar M S APPR: Brad Dick	
DIVISIONAL SYMBOLS DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	THIRD ANGLE PROJECTION	DRAWING: A1-SIZE	SERIES: 160099
MOLEX SDC56 56CKT HRNS CONN ASSY		PRODUCT SALES DRAWING	
DOCUMENT NUMBER: 1600990001-SD		DOC TYPE: PSD DOC PART: 000 REVISION: A9	SHEET NUMBER: 12 OF 17

SHEET DESCRIPTION
DATUM TARGETS



UNLESS SPECIFIED, TOLERANCE OF THE DEVICE INTERFACE TO BE $\Delta 0.13 \text{ A B C}$

FUNCTIONAL SYMBOLS $\Delta \text{A} = 0$ $\Delta \text{C} = 0$ $\Delta \text{P} = 0$	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION	DIMENSION UNITS: mm SCALE: 2:1	CURRENT REV DESC: SEE REVISION TABLE			
	GENERAL TOLERANCES (UNLESS SPECIFIED)					
	ANGULAR TOL ± °					
	4 PLACES ± 3 PLACES ± 2 PLACES ± 1 PLACE ± 0 PLACES ±					
DIVISIONAL SYMBOLS	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	THIRD ANGLE PROJECTION	DRAWING: A1-SIZE	SERIES: 160099	STATUS: Production DRWN: ADARSH SETTY CHK'D: Anil Kumar M S APPR: Brad Dick	
PRODUCT SALES DRAWING			DOCUMENT NUMBER: 1600990001-SD	DOC TYPE: PSD	DOC PART: 000	REVISION: A9
MATERIAL NUMBER:			CUSTOMER:	SHEET NUMBER: 13 OF 17		

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SDC56 56CKT HRNS CONN ASSY

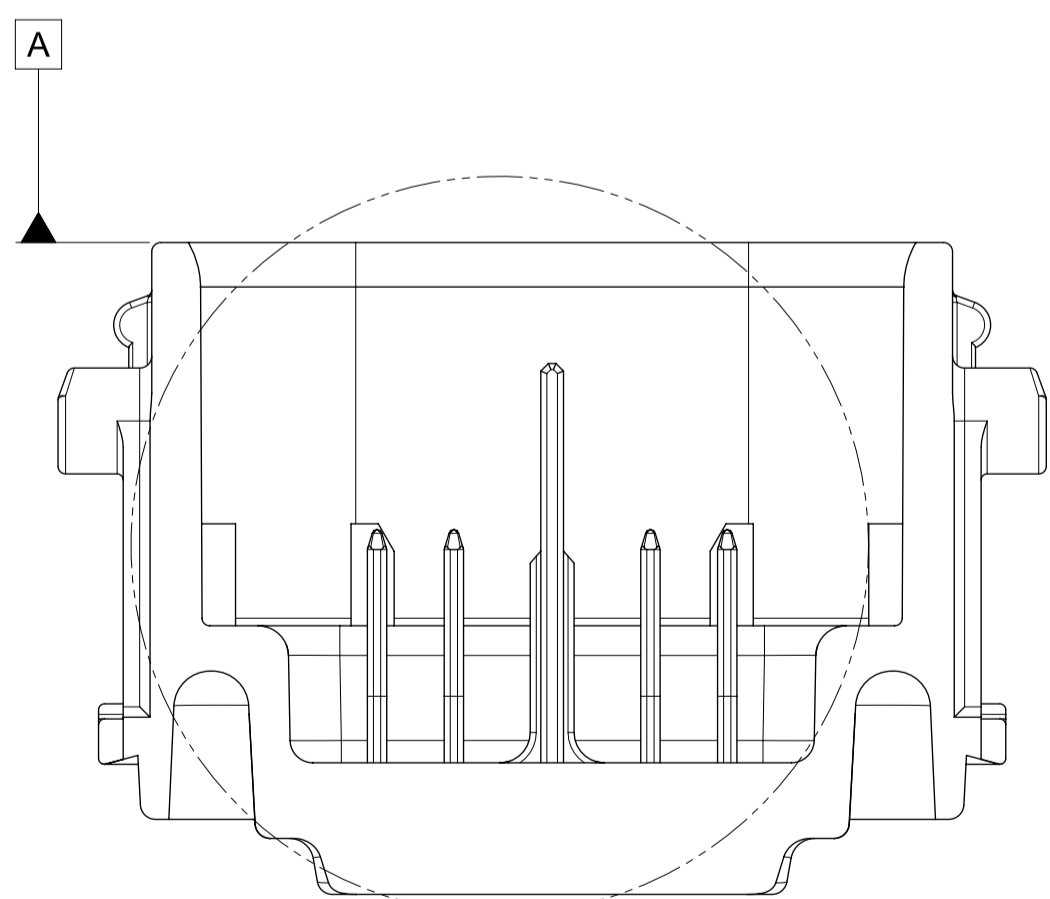
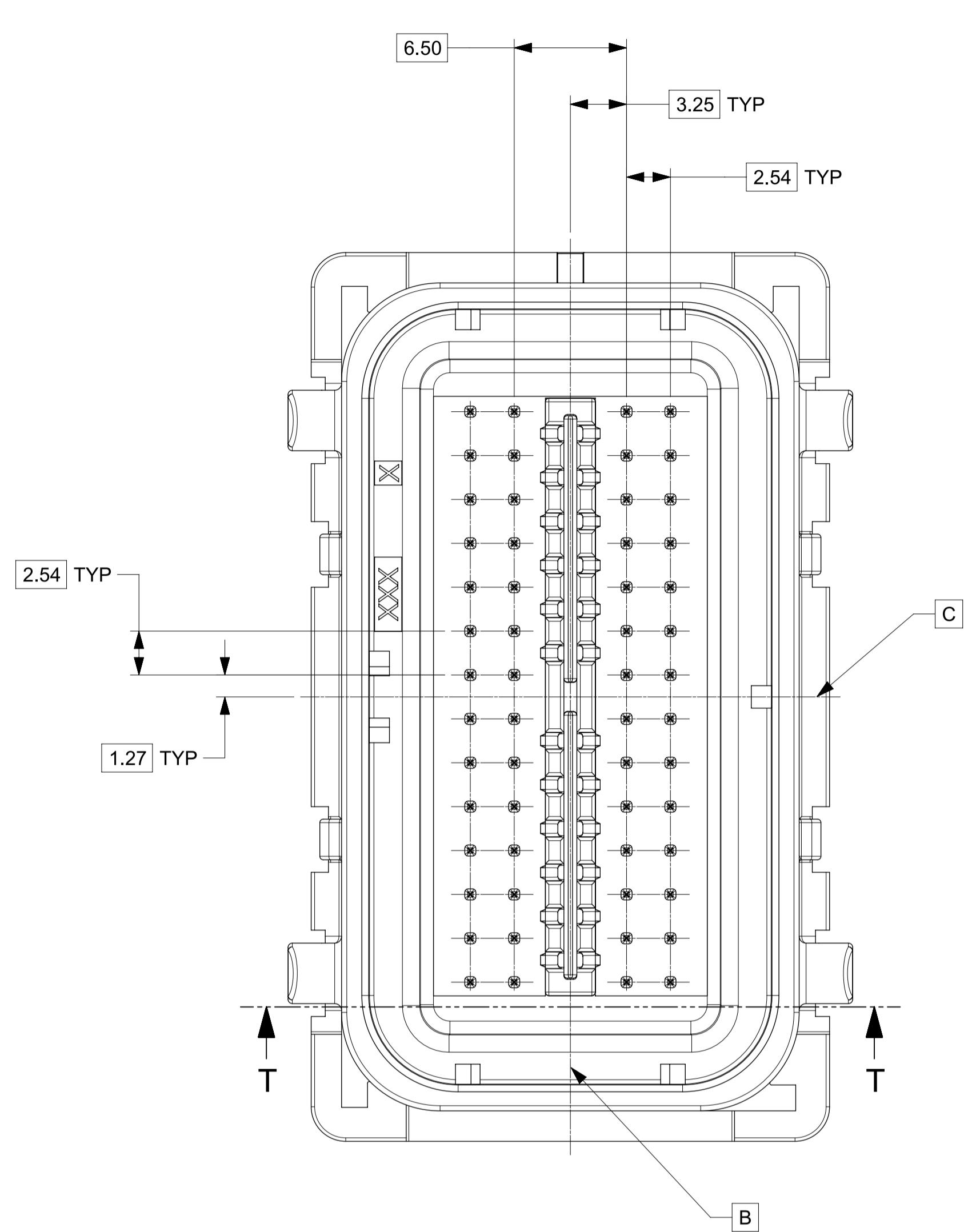
PRODUCT SALES DRAWING

2023-02-03
2023-03-08
2023-03-08

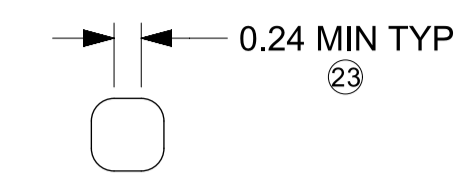
160099

13 OF 17

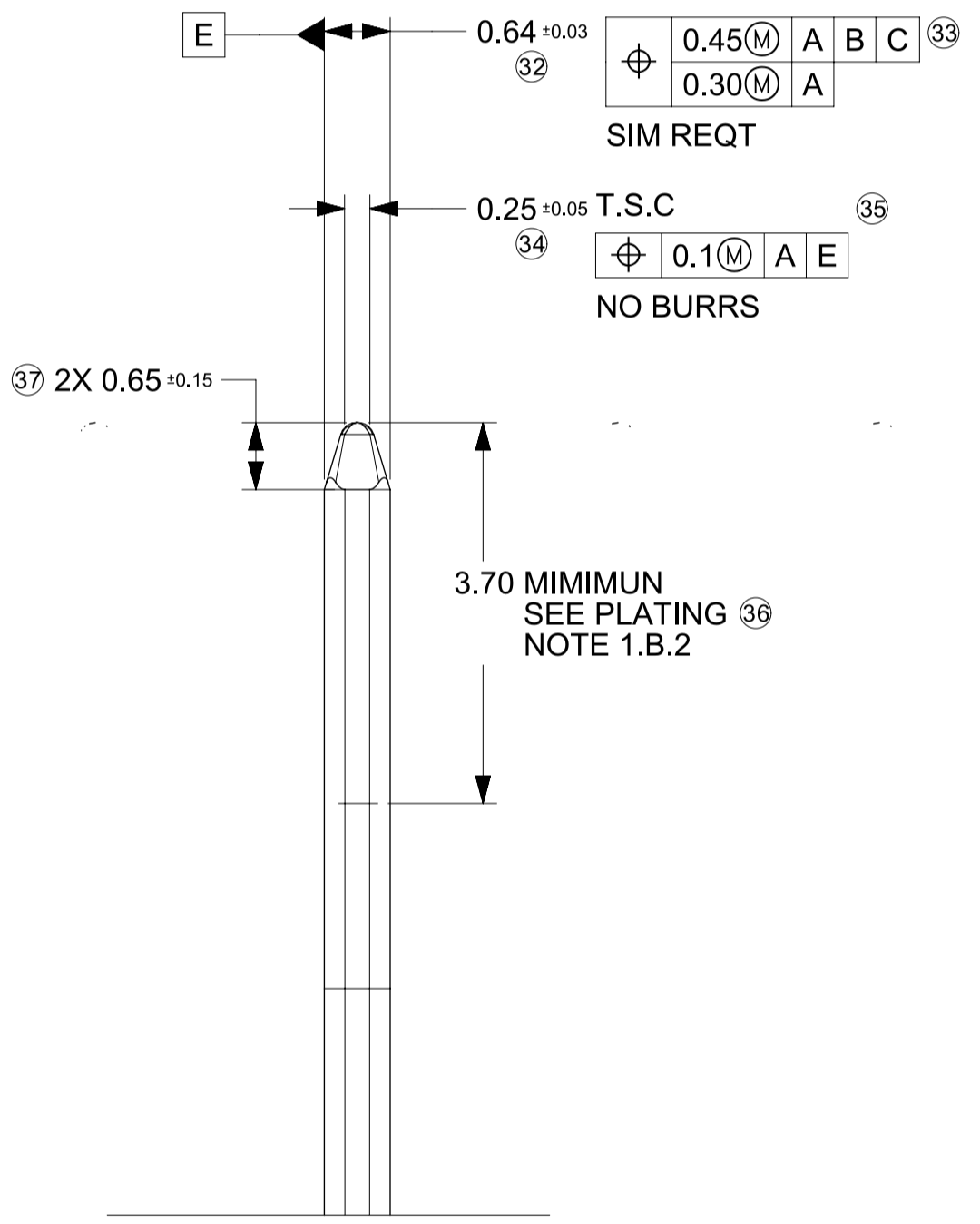
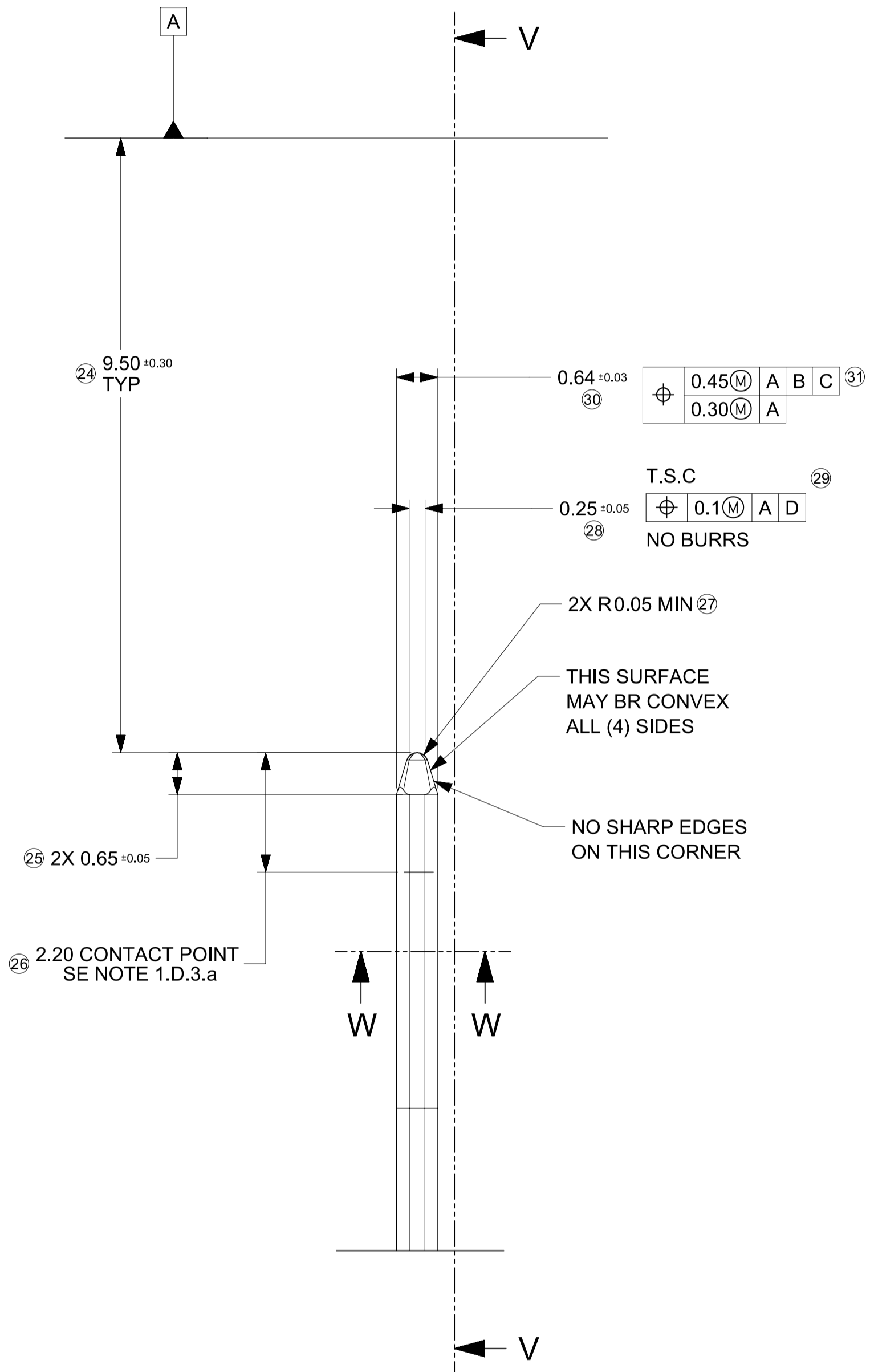
SHEET DESCRIPTION
INTERFACE PARTITION DEFINITION



SECTION T-T



SECTION W-W

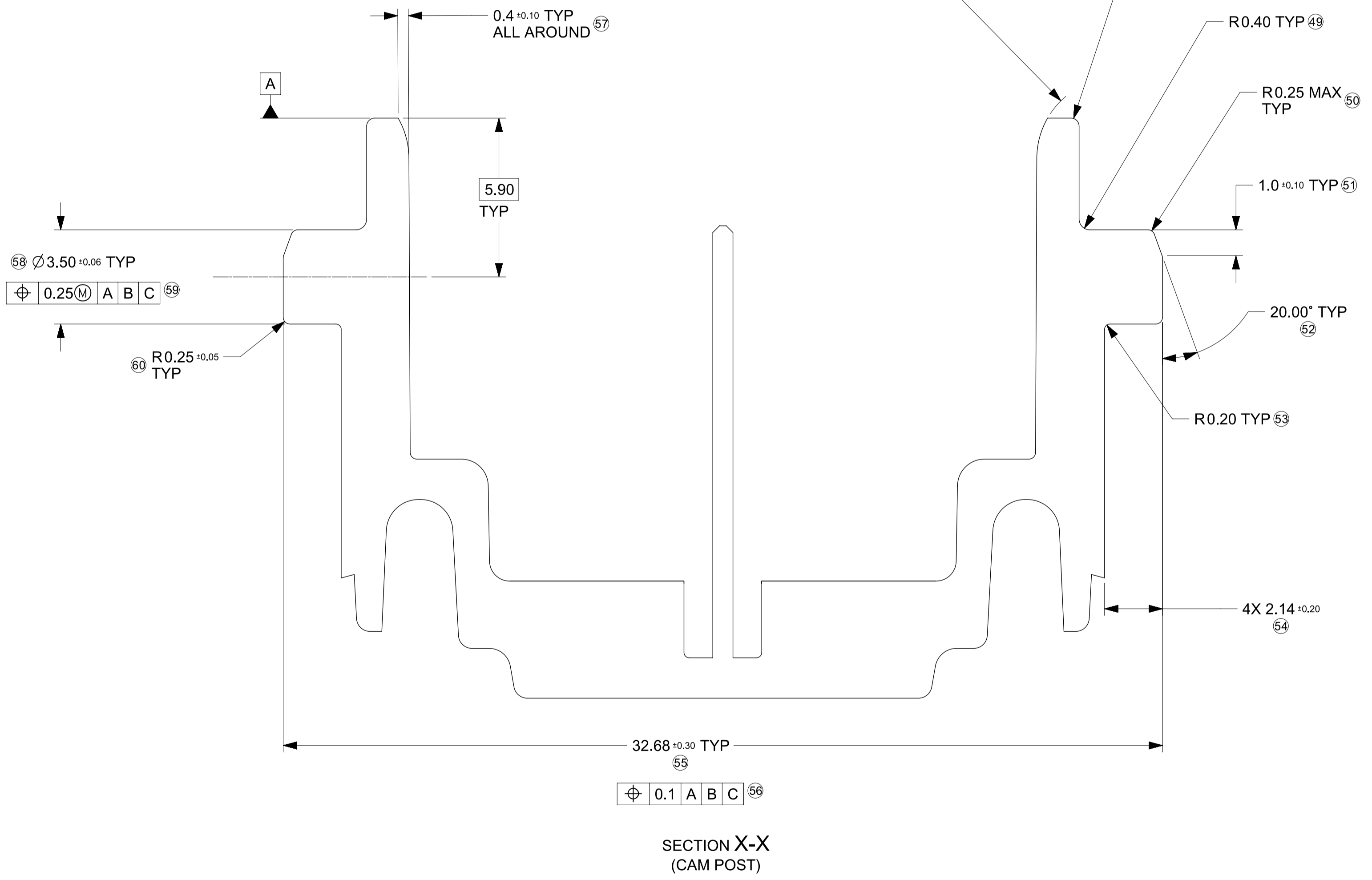
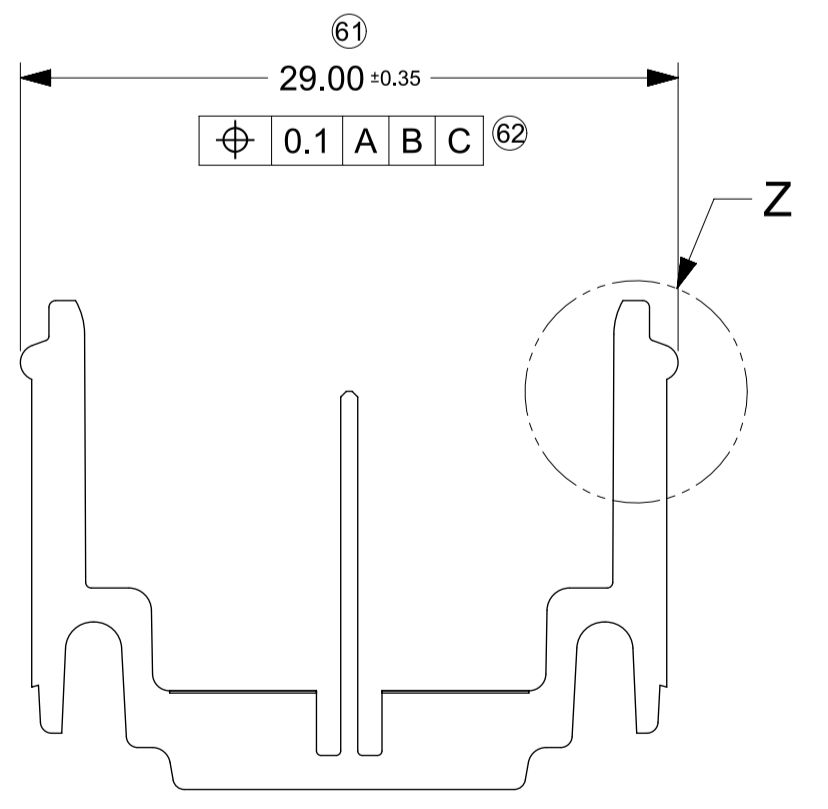
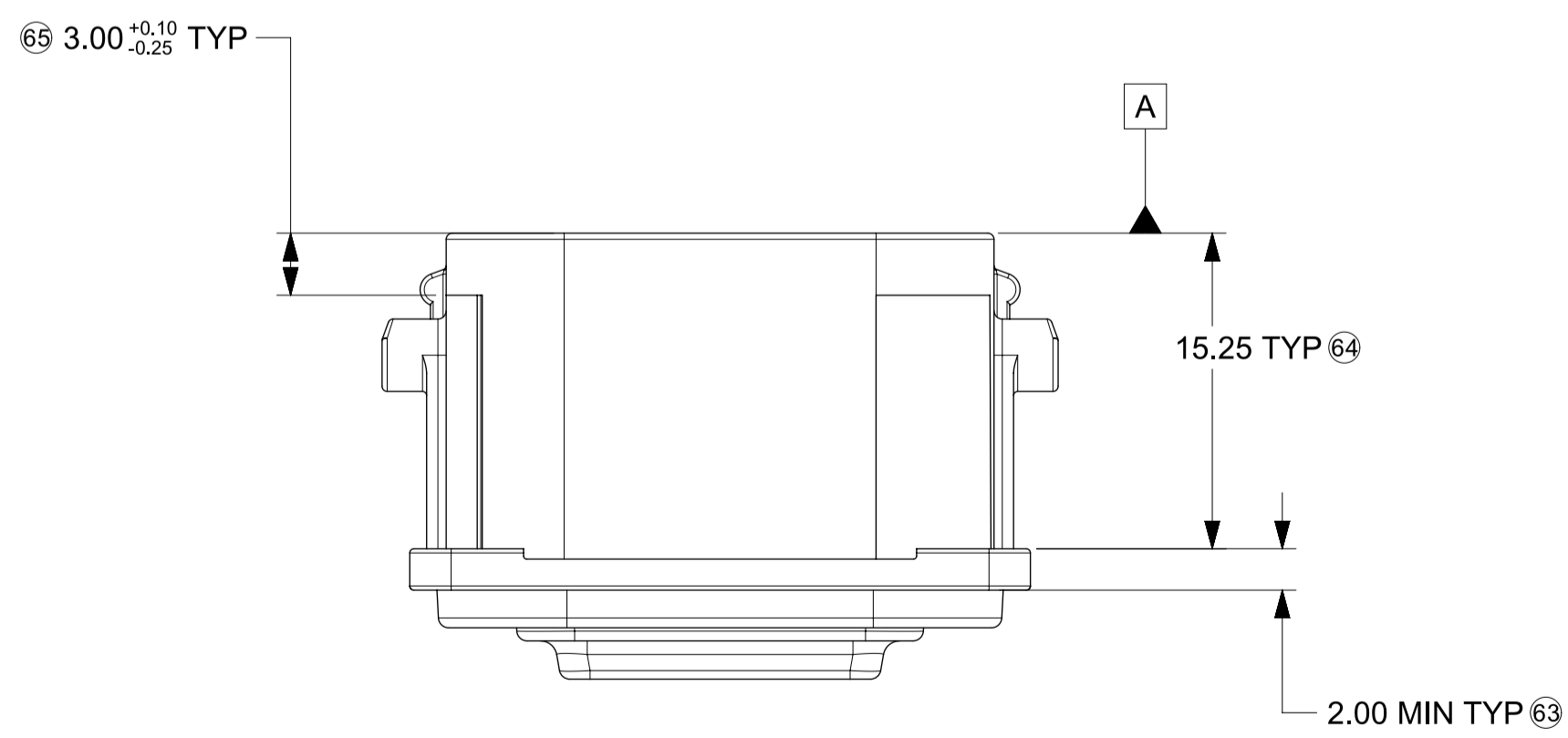
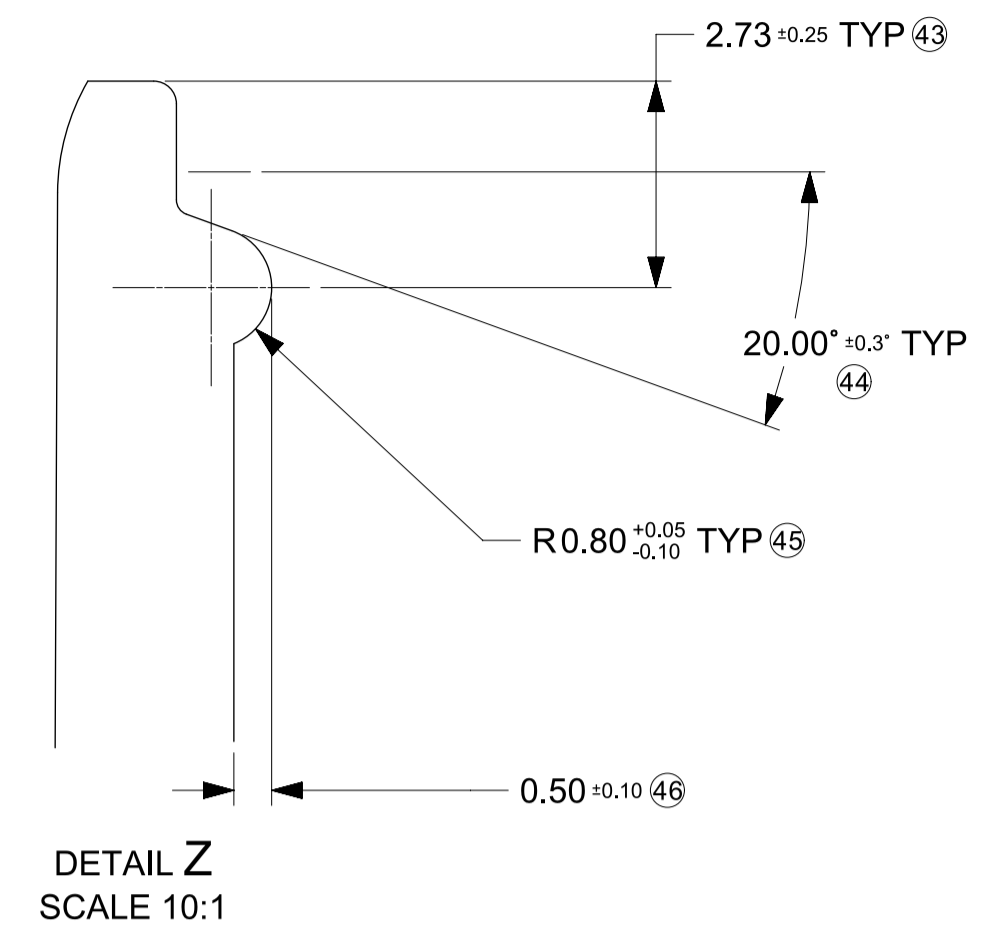
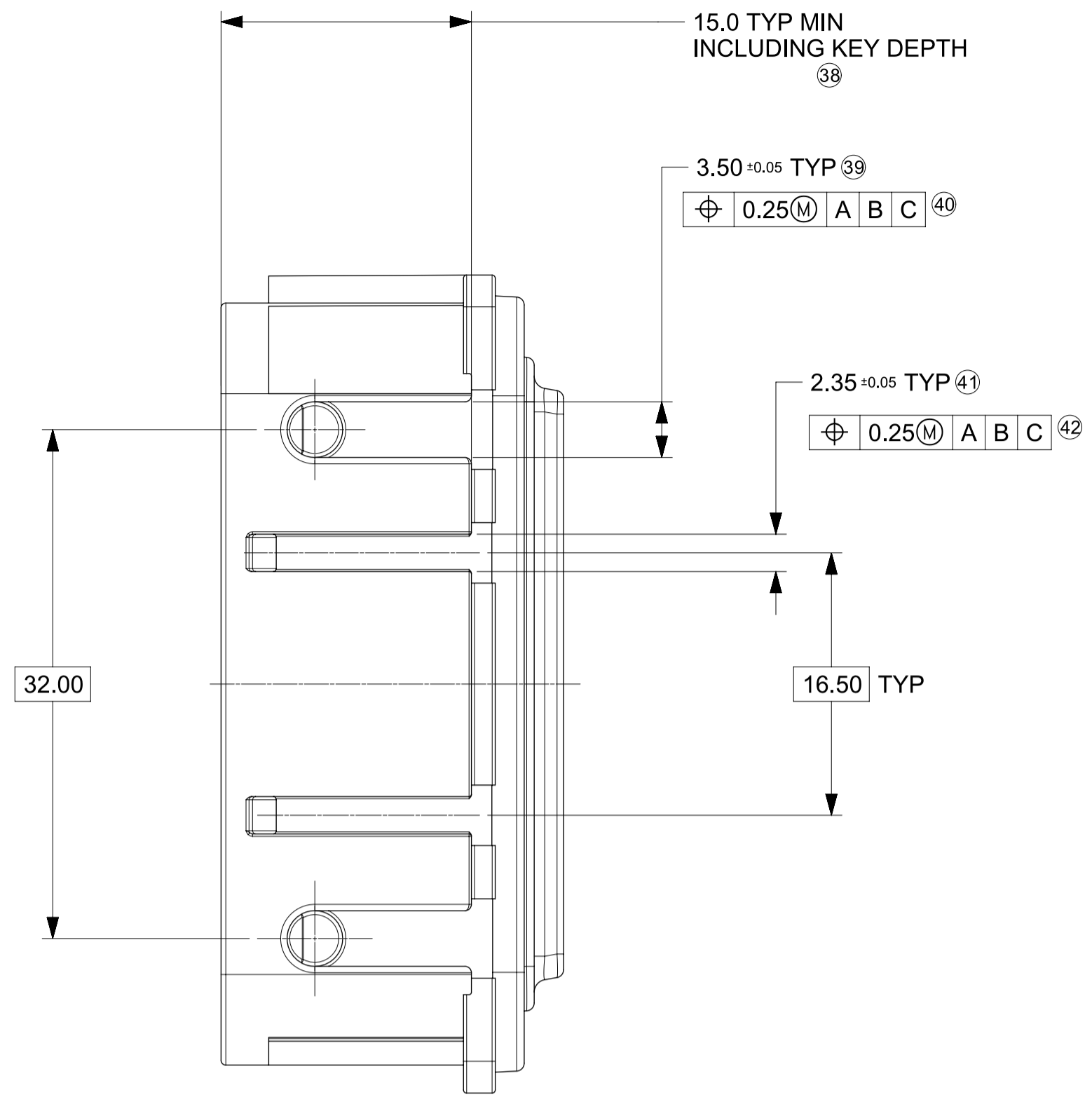
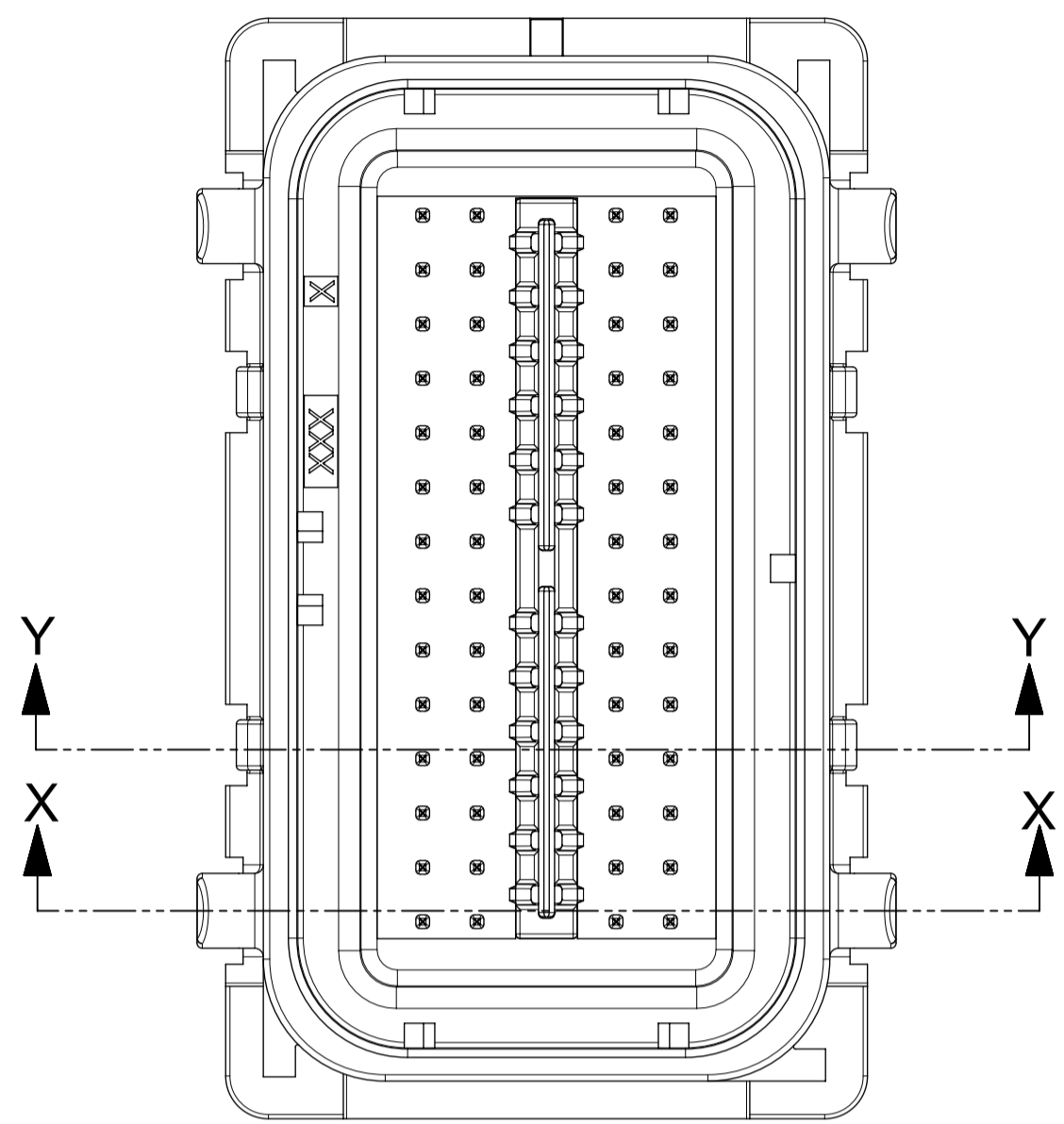


DETAIL U
SCALE 15:1

FUNCTIONAL SYMBOLS $\frac{F}{A} = 0$ $\frac{F}{C} = 0$ $\frac{F}{P} = 0$	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION	DIMENSION UNITS: mm SCALE: 1:1	CURRENT REV DESC: SEE REVISION TABLE			
	GENERAL TOLERANCES (UNLESS SPECIFIED) ANGULAR TOL: ± ° 4 PLACES: ± 3 PLACES: ± 2 PLACES: ± 1 PLACE: ± 0 PLACES: ±	STATUS: Production DRWN: ADARSH SETTY CHK'D: Anil Kumar M S APPR: Brad Dick	2023-02-03 2023-03-08 2023-03-08	DOCUMENT NUMBER: 1600990001-SD	DOC TYPE: PSD DOC PART: 000 REVISION: A9	molex SDC56 56CKT HRNS CONN ASSY PRODUCT SALES DRAWING
DIVISIONAL SYMBOLS DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	THIRD ANGLE PROJECTION	DRAWING: A1-SIZE	SERIES: 160099	MATERIAL NUMBER:	CUSTOMER:	SHEET NUMBER: 14 OF 17

SHEET DESCRIPTION

INTERFACE PARTITION DEFINITION



SECTION Y-Y

SECTION X-X (CAM POST)

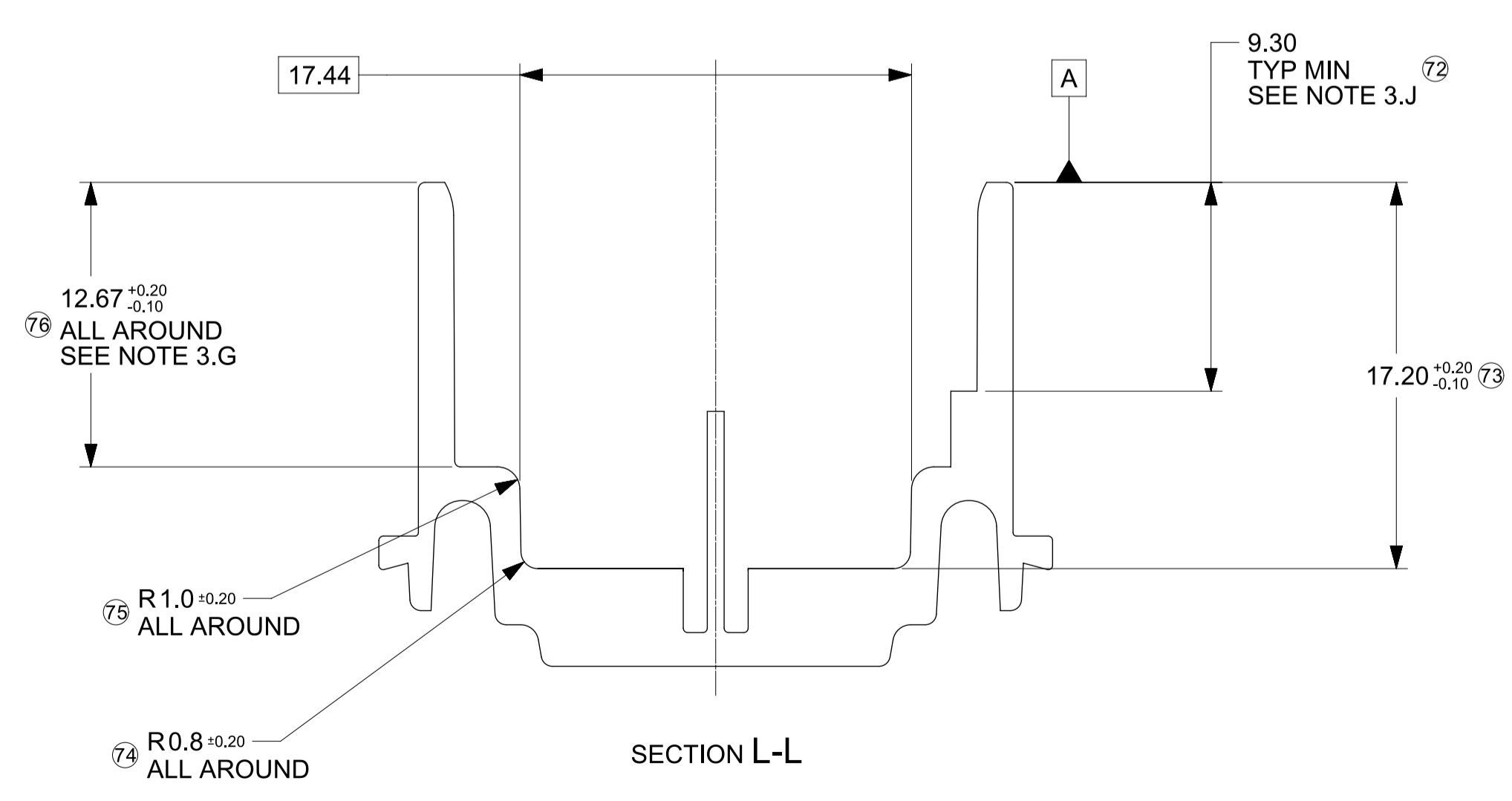
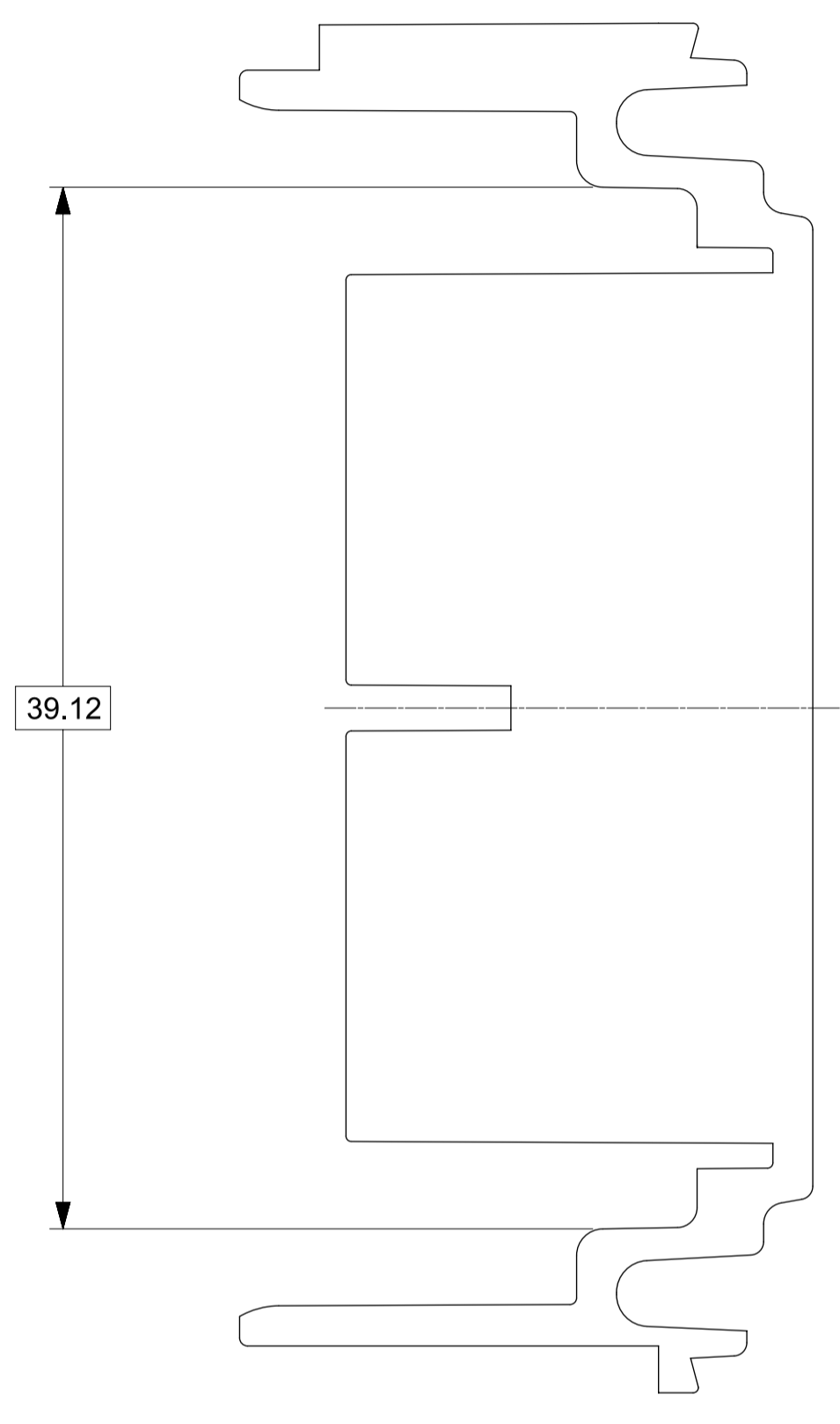
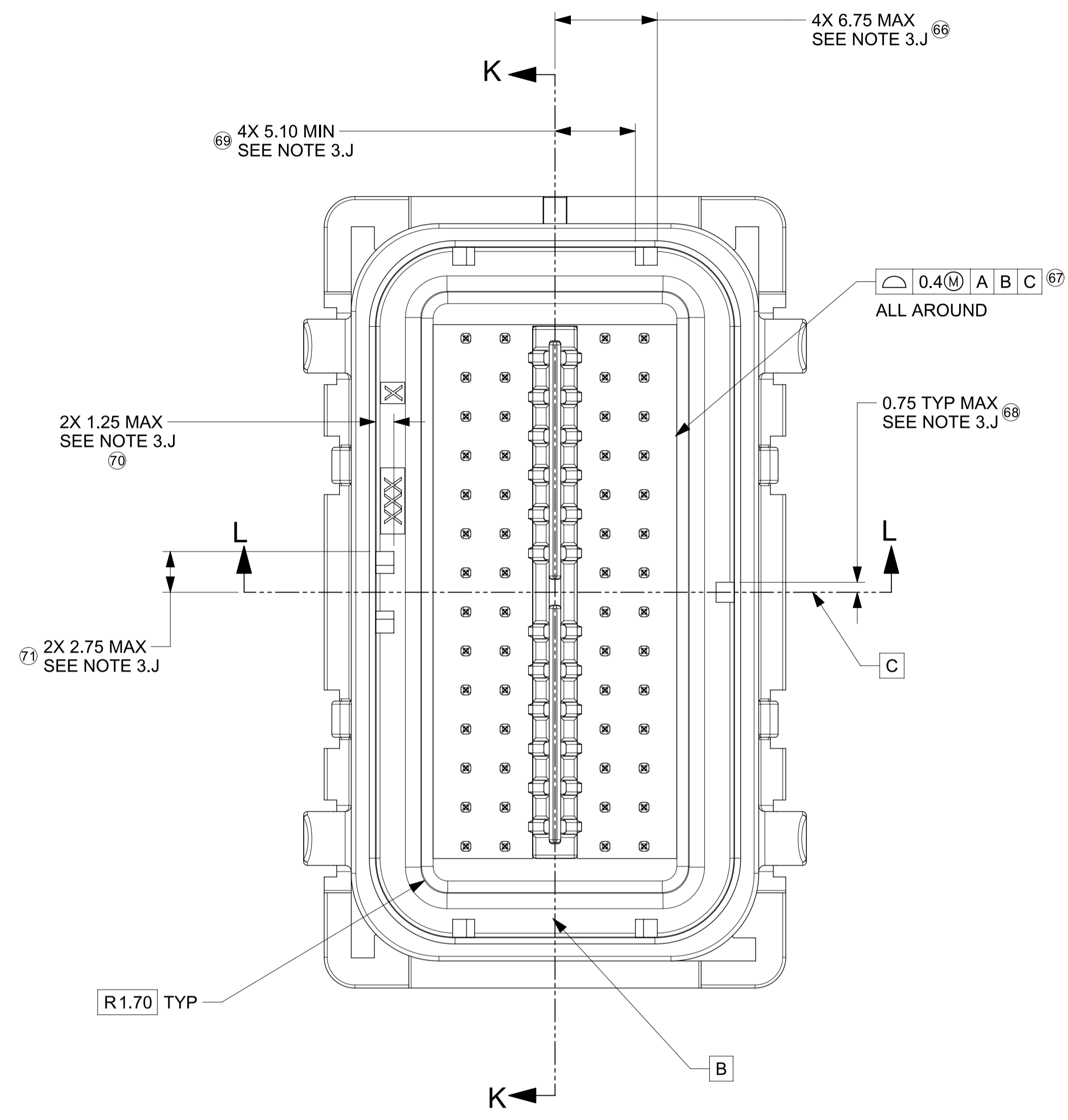
FUNCTIONAL SYMBOLS FA = 0 FC = 0 FP = 0 DIVISIONAL SYMBOLS	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION	DIMENSION UNITS: mm SCALE: 1:1	CURRENT REV DESC: SEE REVISION TABLE			
	GENERAL TOLERANCES (UNLESS SPECIFIED) ANGULAR TOL ± ° 4 PLACES ± 3 PLACES ± 2 PLACES ± 1 PLACE ± 0 PLACES ±	STATUS: Production DRWN: ADARSH SETTY CHK'D: Anil Kumar M S APPR: Brad Dick	2023-02-03 2023-03-08 2023-03-08	DOCUMENT NUMBER 1600990001-SD	DOC TYPE PSD	DOC PART 000
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	THIRD ANGLE PROJECTION	DRAWING A1-SIZE	SERIES 160099	MATERIAL NUMBER CUSTOMER	SHEET NUMBER 15 OF 17	

molex

SDC56 56CKT HRNS CONN ASSY

PRODUCT SALES DRAWING

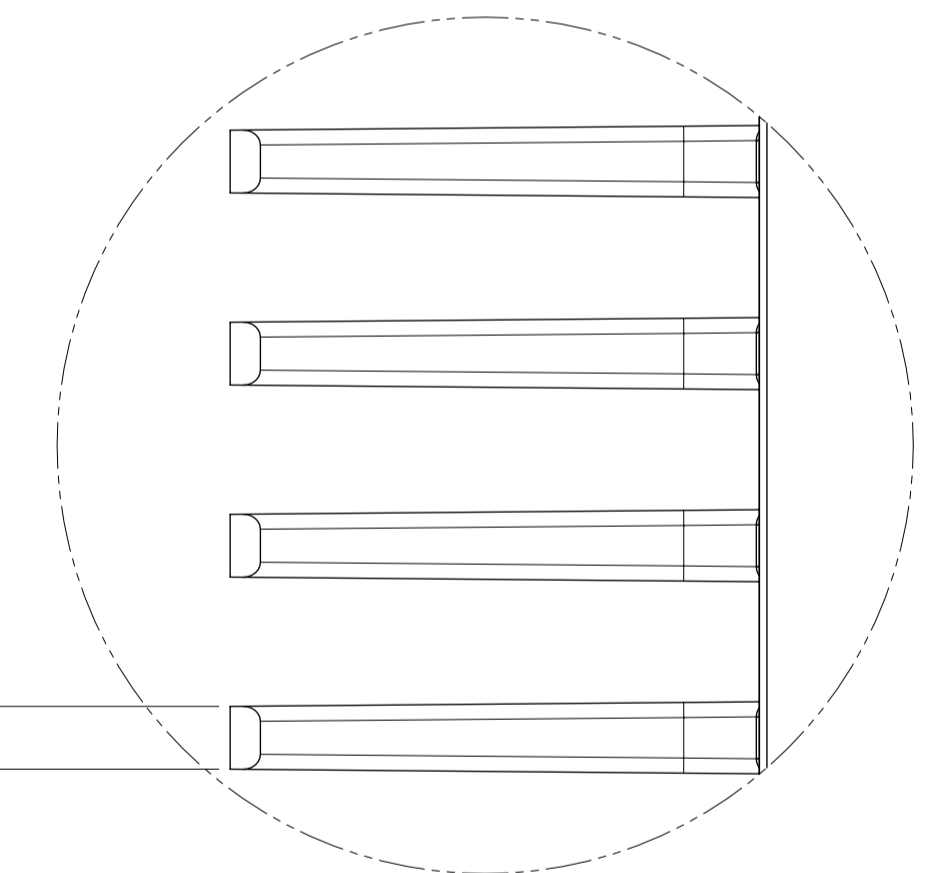
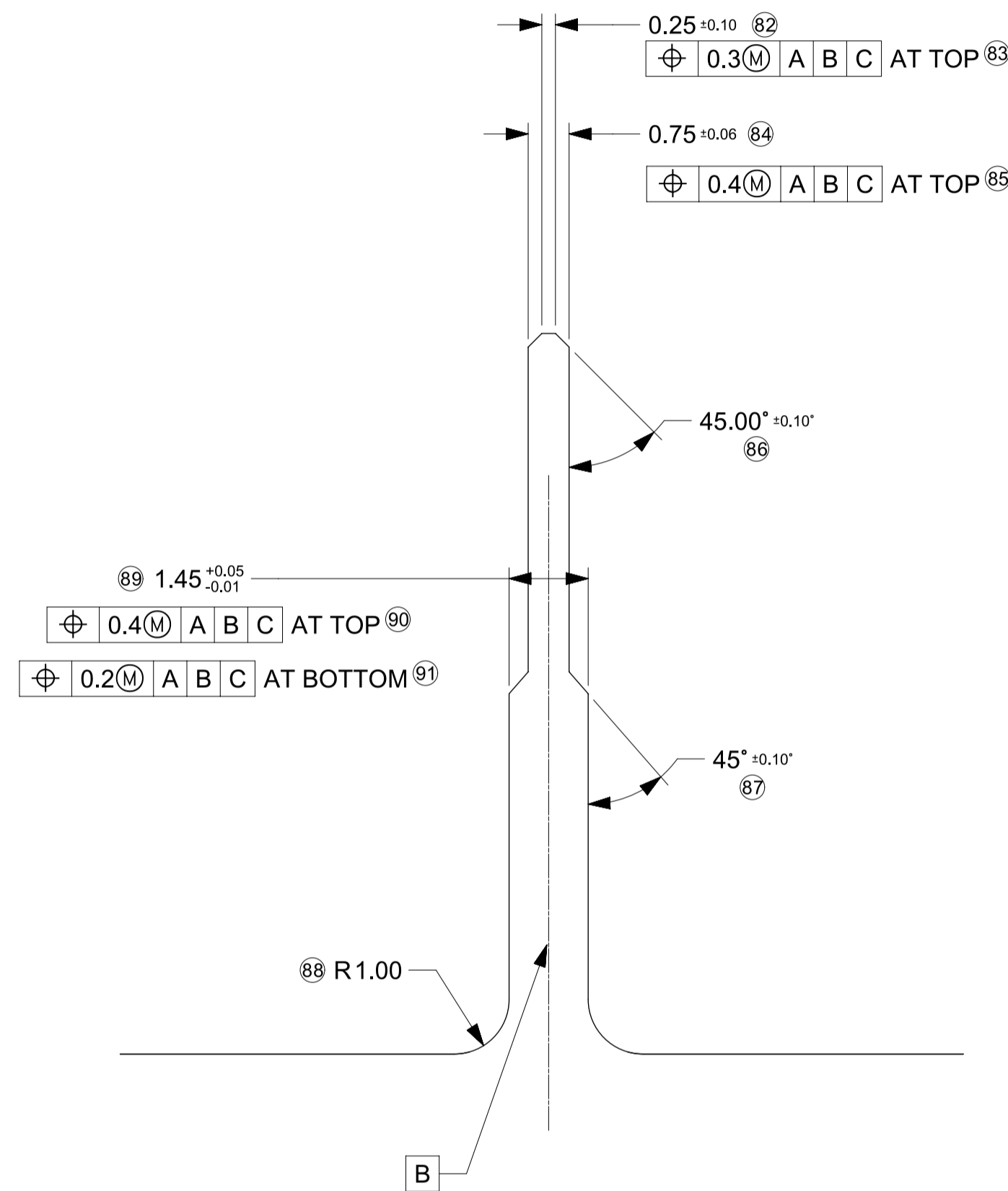
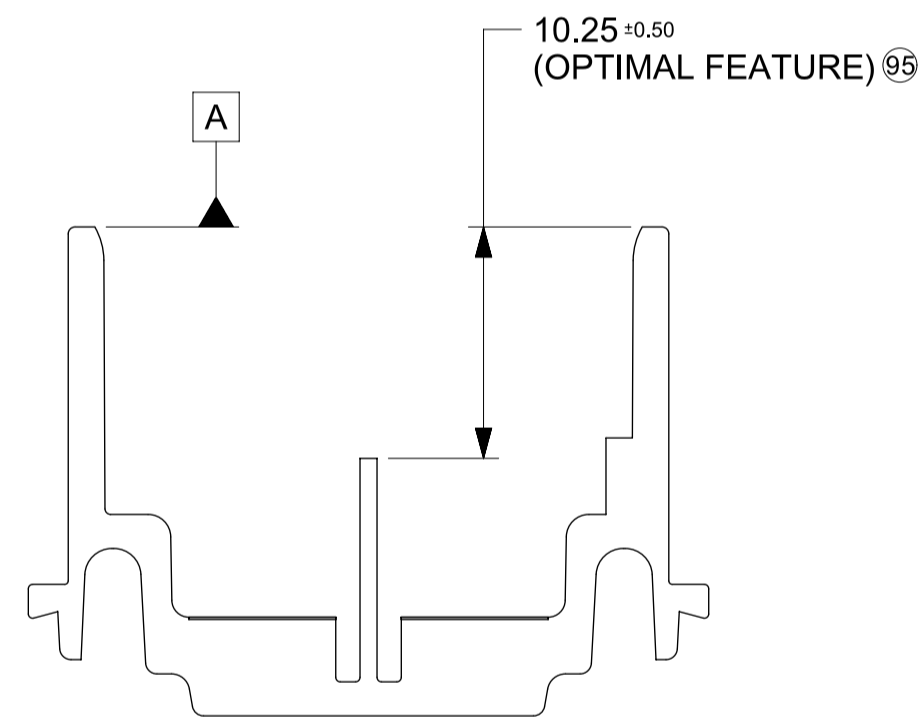
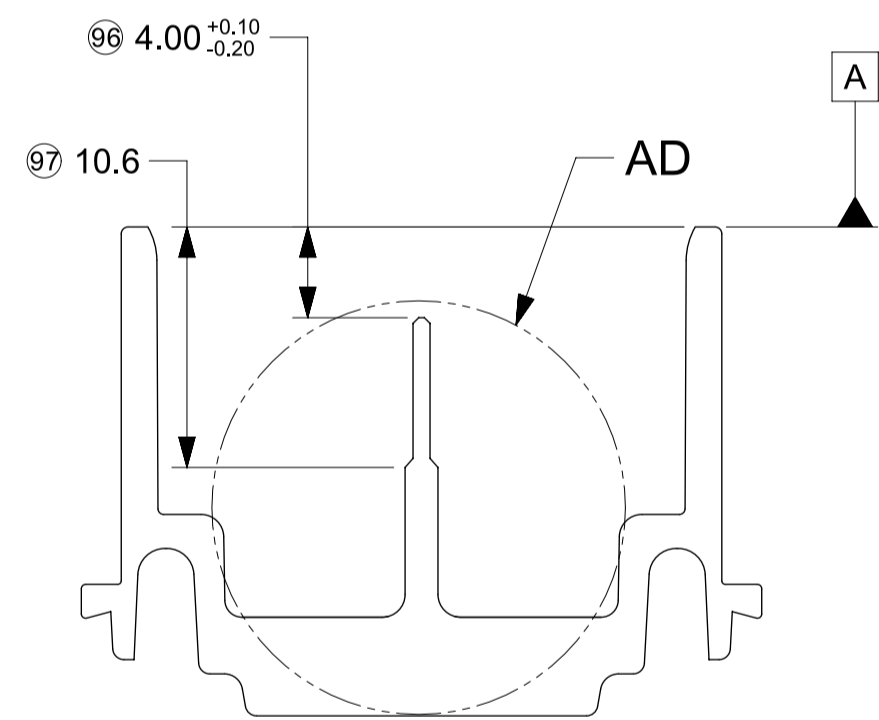
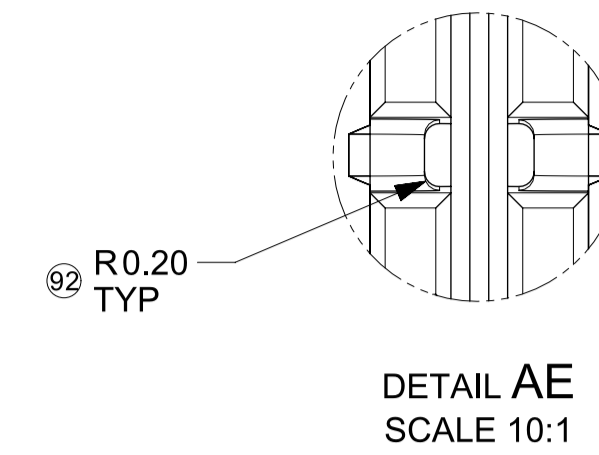
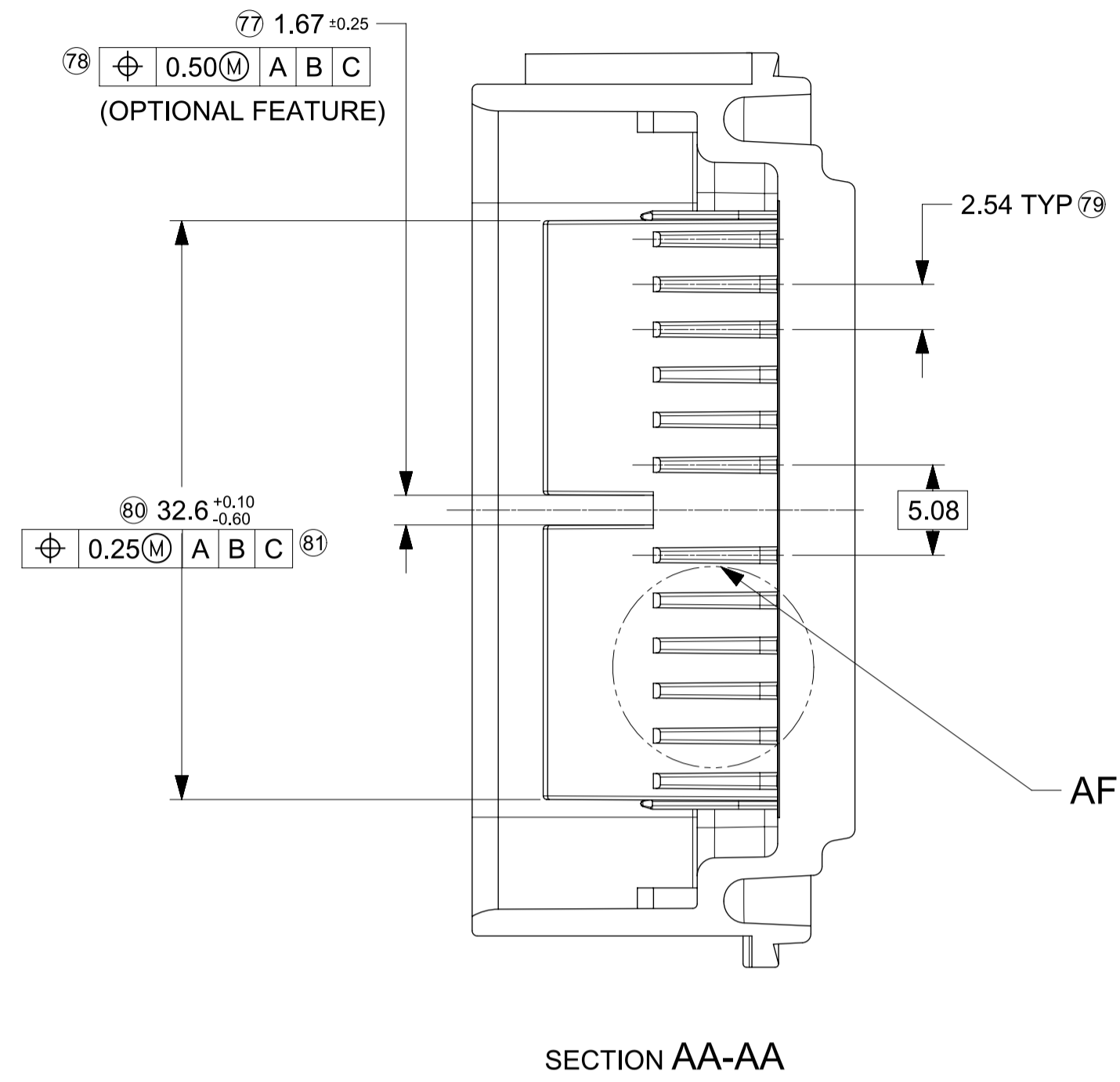
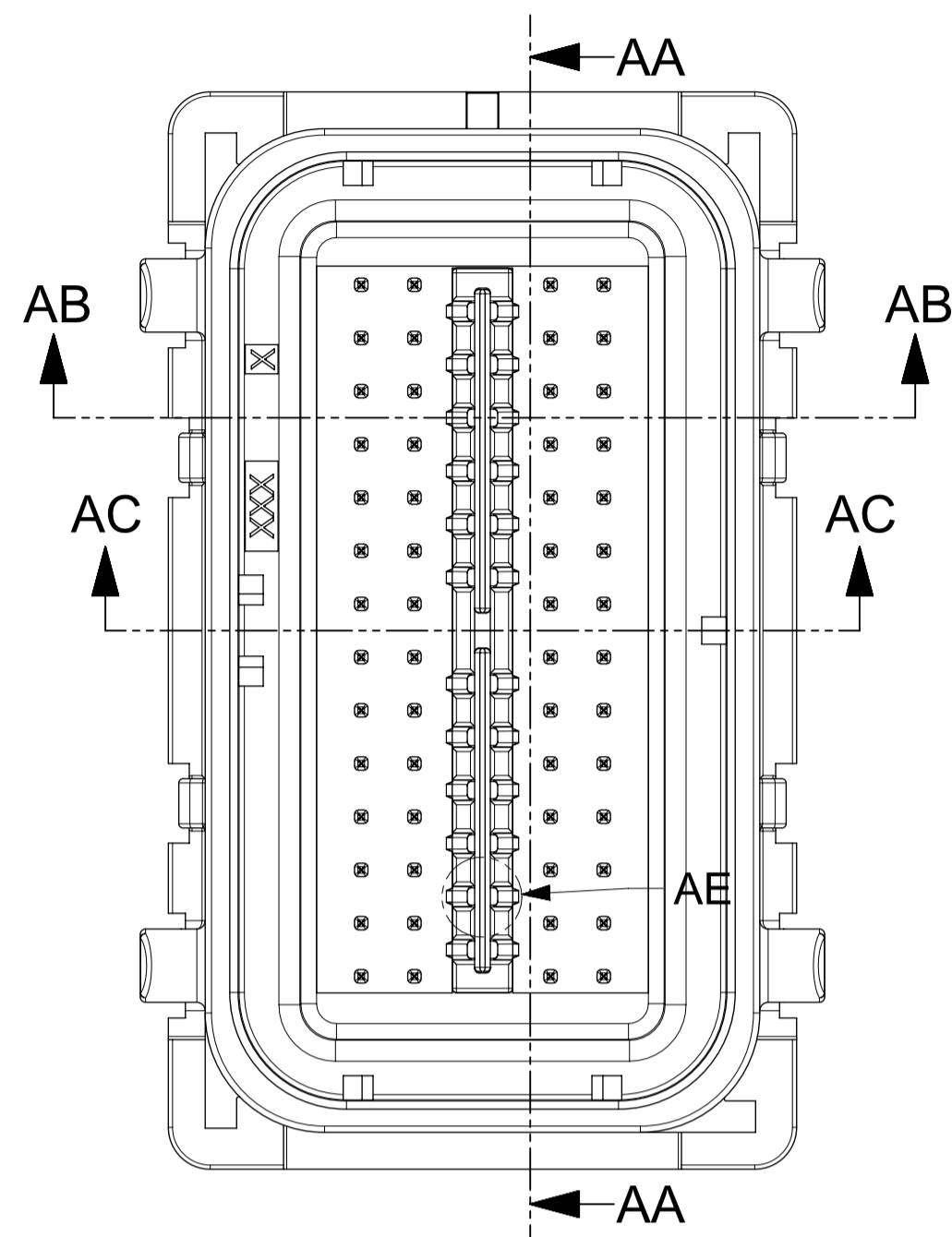
SHEET DESCRIPTION
CONNECTOR PARTITION DEFINITION



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		CURRENT REV DESC: SEE REVISION TABLE				
	DIMENSION UNITS	SCALE	 SDC56 56CKT HRNS CONN ASSY PRODUCT SALES DRAWING				
	mm	1:1					
	GENERAL TOLERANCES (UNLESS SPECIFIED)						
ANGULAR TOL	± °						
4 PLACES	±	STATUS: Production DRWN: ADARSH SETTY CHK'D: Anil Kumar M S APPR: Brad Dick	2023-02-03	DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
3 PLACES	±		2023-03-08	1600990001-SD	PSD	000	A9
2 PLACES	±		2023-03-08	MATERIAL NUMBER	CUSTOMER	SHEET NUMBER	
1 PLACE	±					16 OF 17	
0 PLACES	±						
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION	DRAWING	SERIES			
			A1-SIZE	160099			

SHEET DESCRIPTION

CONNECTOR PARTITION DEFINITION - ANTI SCOOP RIB



FUNCTIONAL SYMBOLS $\frac{E}{A} = 0$ $\frac{E}{C} = 0$ $\frac{E}{P} = 0$	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION	DIMENSION UNITS: mm SCALE: 1:1	CURRENT REV DESC: SEE REVISION TABLE				
	GENERAL TOLERANCES (UNLESS SPECIFIED) ANGULAR TOL ± °	STATUS: Production DRWN: ADARSH SETTY CHK'D: Anil Kumar M S APPR: Brad Dick	2023-02-03 2023-03-08 2023-03-08				
	DIVISIONAL SYMBOLS 4 PLACES ± 3 PLACES ± 2 PLACES ± 1 PLACE ± 0 PLACES ±	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	THIRD ANGLE PROJECTION	DRAWING: A1-SIZE SERIES: 160099	MATERIAL NUMBER:	CUSTOMER:	SHEET NUMBER: 17 OF 17
	PRODUCT SALES DRAWING			SDC56 56CKT HRNS CONN ASSY			

ASSEMBLY DESCRIPTION	ASSEMBLY PART NUMBER	CONNECTOR HOUSING	GROMMET CAP	TPA	RIGHT SLIDE	LEFT SLIDE	MATE ASSIST LEVER	CPA	MAT SEAL	RING SEAL	BLOCKED TERMINALS																STATUS	COMMENTS	INTEGRAL COMPONENTS SOLD SEPARATELY DRESS COVER
											CAVITY WITH A NUMBER INDICATES BLOCKED TERMINAL POSITION CAVITY WITHOUT A NUMBER INDICATES OPEN TERMINAL POSITION																		
											1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16			
SDC56 ASSY RCPT 56CKT BLU OPT 0 KEY G/29	1600990030	C-HSG-G0	G-CAP-0	TPA-G0	RS	LS	MAL	CPA	MSEAL	RSEAL	-	-	-	-	52	-	-	49	48	-	-	45	-	-	SALEABLE		1600995001		
											-	41	40	-	-	37	36	35	34	-	-	31	-	-					
											-	-	-	-	24	23	22	21	20	19	18	17	16	15					
											-	-	-	-	-	-	-	-	6	5	4	3	2	1					
SDC56 ASSY RCPT 56CKT BLK OPT 0 KEY J/17	1600990031	C-HSG-J0	G-CAP-0	TPA-J0	RS	LS	MAL	CPA	MSEAL	RSEAL	56	55	-	-	-	-	50	49	48	47	46	45	44	43	SALEABLE		1600995001		
											42	41	40	39	-	-	-	-	-	-	32	31	30	29					
											28	27	26	-	24	23	22	21	20	19	18	17	16	15					
											-	-	-	-	10	9	8	7	6	5	4	3	-	-					
SDC56 ASSY RCPT 56CKT BLU OPT 0 KEY G/44	1600990032	C-HSG-G0	G-CAP-0	TPA-G0	RS	LS	MAL	CPA	MSEAL	RSEAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	SALEABLE		1600995001		
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											28	27	-	-	24	23	-	-	-	-	18	17	16	15					
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SDC56 ASSY RCPT 56CKT GRY OPT 0 KEY H/28	1600990033	C-HSG-H0	G-CAP-0	TPA-H0	RS	LS	MAL	CPA	MSEAL	RSEAL	56	55	-	-	-	-	50	49	48	47	-	-	-	-	SALEABLE		1600995001		
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SDC56 ASSY RCPT 56CKT BLU OPT 0 KEY G/42	1600990034	C-HSG-G0	G-CAP-0	TPA-G0	RS	LS	MAL	CPA	MSEAL	RSEAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	SALEABLE		1600995001		
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											-	-	-	-	-	-	-	-	-	-	4	3	-	-					
SDC56 ASSY RCPT 56CKT BLU OPT 9 KEY G/34	1600990035	C-HSG-G9	G-CAP-9	TPA-G9	RS	LS	MAL	CPA	MSEAL	RSEAL	-	-	-	-	-	-	49	48	-	-	45	-	-	SALEABLE		1600995001			
											-	41	-	-	-	-	-	-	34	-	-	31	-				-		
											-	-	-	-	24	23	22	21	20	19	18	17	16				15		
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SDC56 ASSY RCPT 56CKT NAT OPT 0 KEY M/26	1600990036	C-HSG-M0	G-CAP-0	TPA-M0	RS	LS	MAL	CPA	MSEAL	RSEAL	-	-	-	-	-	50	49	48	47	46	45	44	43	SALEABLE		1600995001			
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SDC56 ASSY RCPT 56CKT BLK OPT 0 KEY J/46	1600990037	C-HSG-J0	G-CAP-0	TPA-J0	RS	LS	MAL	CPA	MSEAL	RSEAL	-	-	-	-	-	50	49	48	47	-	-	-	-	SALEABLE		1600995001			
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SDC56 ASSY RCPT 56CKT BLU OPT 0 KEY G/34	1600990038	C-HSG-G0	G-CAP-0	TPA-G0	RS	LS	MAL	CPA	MSEAL	RSEAL	-	-	-	-	-	-	49	48	-	-	45	-	-	SALEABLE		1600995001			
											-	41	-	-	-	-	-	-	34	-	-	31	-				-		
											-	-	-	-	24	23	22	21	20	19	18	17	16				15		
											-	-	-	-	-	-	-	-	6	5	4	3	2				1		
SDC56 ASSY RCPT 56CKT BLU OPT 0 KEY Z/56	1600991001	C-HSG-Z0	G-CAP-0	TPA-G0	RS	LS	MAL	CPA	MSEAL	RSEAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	SALEABLE				
											-	-	-	-	-	-	-	-	-	-	-	-	-	-					
											-	-	-	-	-	-	-	-	-	-	-	-	-	-					
											-	-	-	-	-	-	-	-	-	-	-	-	-	-					
SDC56 ASSY RCPT 56CKT BLU OPT 9 KEY Z/56	1600991002	C-HSG-Z9	G-CAP-9	TPA-G9	RS	LS	MAL	CPA	MSEAL	RSEAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	SALEABLE				
											-	-	-	-	-	-	-	-	-	-	-	-	-	-					
											-	-	-	-	-	-	-	-	-	-	-	-	-	-					
											-	-	-	-	-	-	-	-	-	-	-	-	-	-					
SDC56 ASSY RCPT 56CKT BLK OPT 0 KEY J/17	1600991003	C-HSG-J0	G-CAP-0	TPA-J0	RS	LS	MAL	CPA	MSEAL	RSEAL	56	55	-	-	-	-	50	49	48	47	46	45	44	43	SALEABLE		1600995001		
											42	41	40	39	-	-	-	-	-	-	32	31	30	29					
											28	27	26	-	24	23	22	21	20	19	18	17	16	15					
											-	-	-	-	10	9	8	7	6	5	4	3	-	-					

ASSEMBLY DESCRIPTION	ASSEMBLY PART NUMBER	CONNECTOR HOUSING	GROMMET CAP	TPA	RIGHT SLIDE	LEFT SLIDE	MATE ASSIST LEVER	CPA	MAT SEAL	RING SEAL	BLOCKED TERMINALS																STATUS	COMMENTS	INTEGRAL COMPONENTS SOLD SEPARATELY DRESS COVER
											CAVITY WITH A NUMBER INDICATES BLOCKED TERMINAL POSITION CAVITY WITHOUT A NUMBER INDICATES OPEN TERMINAL POSITION																		
											56	55	-	-	-	-	50	49	48	47	-	-	-	-	-	-			
SDC56 ASSY RCPT 56CKT GRY OPT 0 KEY H/28	1600991004	C-HSG-H0	G-CAP-0	TPA-H0	RS	LS	MAL	CPA	MSEAL	RSEAL	42	41	-	-	-	-	-	-	-	32	31	30	29	SALEABLE		1600995001			
											28	27	-	-	24	23	22	21	20	19	18	17	16				15		
											-	-	-	-	10	9	-	-	-	-	4	3	-				-		
											-	-	-	-	-	-	-	-	-	-	-	-	-				-		
SDC56 ASSY RCPT 56CKT BLU OPT 0 KEY G/30	1600991005	C-HSG-G0	G-CAP-0	TPA-G0	RS	LS	MAL	CPA	MSEAL	RSEAL	-	41	40	-	-	37	-	35	34	-	-	31	-	-	SALEABLE		1600995001		
											-	-	-	-	24	23	22	21	20	19	18	17	16	15					
											-	-	-	-	-	-	-	-	-	6	5	4	3	2				1	
											-	-	-	-	-	-	-	-	-	-	-	-	-	-					
SDC56 ASSY RCPT 56CKT BLU OPT 0 KEY G/40	1600991006	C-HSG-G0	G-CAP-0	TPA-G0	RS	LS	MAL	CPA	MSEAL	RSEAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	SALEABLE		1600995001		
											28	27	-	-	24	23	22	21	20	19	18	17	16	15					
											-	-	-	-	10	9	-	-	-	-	4	3	-	-					
											-	-	-	-	-	-	-	-	-	-	-	-	-	-					
SDC56 ASSY RCPT 56CKT BLK OPT 0 KEY J/19	1600991007	C-HSG-J0	G-CAP-0	TPA-J0	RS	LS	MAL	CPA	MSEAL	RSEAL	-	-	-	-	-	50	49	48	47	46	45	44	43	SALEABLE		1600995001			
											-	-	-	-	-	36	35	34	33	32	31	30	29						
											-	-	26	-	24	-	22	21	20	19	18	17	16				15		
											-	-	-	11	10	9	8	7	6	5	4	3	2				1		
SDC56 ASSY RCPT 56CKT BLU OPT 0 KEY G/30	1600991008	C-HSG-G0	G-CAP-0	TPA-G0	RS	LS	MAL	CPA	MSEAL	RSEAL	-	-	-	-	-	51	50	49	48	-	-	45	-	-	SALEABLE		1600995001		
											-	41	-	-	-	-	36	35	34	-	-	31	-	-					
											-	-	-	-	24	23	22	21	20	19	18	17	16	15					
											-	-	-	-	-	-	-	-	6	5	4	3	2	1					
SDC56 ASSY RCPT 56CKT BLK OPT 0 KEY J/19	1600991009	C-HSG-J0	G-CAP-0	TPA-J0	RS	LS	MAL	CPA	MSEAL	RSEAL	-	-	-	-	52	51	50	49	48	47	46	45	44	43	SALEABLE		1600995001		
											-	-	-	-	38	37	36	35	34	33	-	-	30	29					
											-	-	26	-	24	-	22	21	20	19	18	17	-	-					
											-	-	-	11	10	9	8	7	6	5	4	3	2	1					
SDC56 ASSY RCPT 56CKT BLU OPT 0 KEY G/39	1600991010	C-HSG-G0	G-CAP-0	TPA-G0	RS	LS	MAL	CPA	MSEAL	RSEAL	-	-	-	-	52	51	50	-	-	-	46	45	-	43	SALEABLE		1600995001		
											-	-	-	-	-	-	-	-	-	33	-	-	-	-					
											28	27	26	-	-	-	-	21	-	-	18	17	-	-					
											14	13	12	-	-	-	-	-	-	-	-	3	-	-					
SDC56 ASSY RCPT 56CKT BLK OPT 9 KEY J/30	1600991011	C-HSG-J9	G-CAP-9	TPA-J9	RS	LS	MAL	CPA	MSEAL	RSEAL	-	-	-	-	-	51	50	49	48	-	-	45	-	-	SALEABLE		1600995001		
											-	41	-	-	-	-	36	35	34	-	-	31	-	-					
											-	-	-	-	24	23	22	21	20	19	18	17	16	15					
											-	-	-	-	-	-	-	-	6	5	4	3	2	1					
SDC56 ASSY RCPT 56CKT BLU OPT 0 KEY G/17	1600991012	C-HSG-G0	G-CAP-0	TPA-G0	RS	LS	MAL	CPA	MSEAL	RSEAL	56	55	54	53	-	-	-	49	48	47	-	-	44	-	SALEABLE		1600995001		
											42	41	40	39	38	37	36	35	34	-	32	31	30	29					
											-	-	-	25	24	23	22	-	20	19	-	-	16	15					
											-	-	-	11	10	9	8	7	6	5	4	-	2	1					
SDC56 ASSY RCPT 56CKT BLK OPT 0 KEY J/22	1600991013	C-HSG-J0	G-CAP-0	TPA-J0	RS	LS	MAL	CPA	MSEAL	RSEAL	-	-	-	-	-	50	49	48	47	46	45	44	43	SALEABLE		1600995001			
											-	-	-	-	-	-	36	35	34	33	32	31	30				29		
											-	-	26	-	-	-	22	21	20	19	18	17	16				15		
											-	-	-	-	-	9	8	7	6	5	4	3	2				1		
SDC56 ASSY RCPT 56CKT BLU OPT 0 KEY G/42	1600991014	C-HSG-G0	G-CAP-0	TPA-G0	RS	LS	MAL	CPA	MSEAL	RSEAL	-	-	-	-	52	51	50	-	-	-	-	-	-	-	SALEABLE		1600995001		
											-	41	40	-	-	37	-	-	34	-	-	31	-	-					
											-	-	-	-	-	-	-	-	-	-	18	17	16	15					
											-	-	-	-	-	-	-	-	-	-	-	-	2	1					
SDC56 ASSY RCPT 56CKT GRY OPT 0 KEY H/42	1600991015	C-HSG-H0	G-CAP-0	TPA-H0	RS	LS	MAL	CPA	MSEAL	RSEAL	-	-	-	-	52	51	50	-	-	-	-	-	-	-	SALEABLE		1600995001		
											-	41	40	-	-	37	-	-	34	-	-	31	-	-					
											-	-	-	-	-	-	-	-	-	-	18	17	16	15					
											-	-	-	-	-	-	-	-	6	5	-	-	-	-					

ASSEMBLY DESCRIPTION	ASSEMBLY PART NUMBER	CONNECTOR HOUSING	GROMMET CAP	TPA	RIGHT SLIDE	LEFT SLIDE	MATE ASSIST LEVER	CPA	MAT SEAL	RING SEAL	BLOCKED TERMINALS																STATUS	COMMENTS	INTEGRAL COMPONENTS SOLD SEPARATELY DRESS COVER
											CAVITY WITH A NUMBER INDICATES BLOCKED TERMINAL POSITION CAVITY WITHOUT A NUMBER INDICATES OPEN TERMINAL POSITION																		
											1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16			
SDC56 ASSY RCPT 56CKT BLU OPT 0 KEY G/41	1600991016	C-HSG-G0	G-CAP-0	TPA-G0	RS	LS	MAL	CPA	MSEAL	RSEAL	-	-	-	-	52	51	50	-	-	-	-	45	-	-	SALEABLE		1600995001		
											-	41	40	-	-	37	-	-	34	-	-	31	-	-					
											-	-	-	-	-	-	-	-	-	-	18	17	16	15					
											-	-	-	-	-	-	-	-	-	-	-	-	2	1					
SDC56 ASSY RCPT 56CKT GRY OPT 0 KEY H/46	1600991017	C-HSG-H0	G-CAP-0	TPA-H0	RS	LS	MAL	CPA	MSEAL	RSEAL	-	-	-	-	-	-	-	-	48	47	-	-	-	-	SALEABLE		1600995001		
											-	-	-	-	-	-	-	-	-	-	32	31	-	-					
											-	-	-	-	-	-	-	-	-	-	18	17	16	15					
											-	-	-	-	-	-	-	-	6	5	-	-	-	-					
SDC56 ASSY RCPT 56CKT BLK OPT 0 KEY J/22	1600991018	C-HSG-J0	G-CAP-0	TPA-J0	RS	LS	MAL	CPA	MSEAL	RSEAL	-	-	-	-	-	-	50	49	48	47	46	45	44	43	SALEABLE		1600995001		
											-	-	-	-	-	-	36	35	34	33	-	-	30	29					
											-	-	26	25	24	-	22	21	20	19	18	17	-	-					
											-	-	-	11	10	9	8	7	6	5	4	3	2	1					
SDC56 ASSY RCPT 56CKT BLK OPT 0 KEY J/41	1600991019	C-HSG-J0	G-CAP-0	TPA-J0	RS	LS	MAL	CPA	MSEAL	RSEAL	-	-	-	-	-	-	-	49	48	47	-	-	44	-	SALEABLE		1600995001		
											-	-	-	-	-	-	-	35	-	-	32	31	30	29					
											-	-	-	-	-	-	-	21	20	19	-	-	-	-					
											-	-	-	-	9	-	7	-	5	-	-	-	-	-					
SDC56 ASSY RCPT 56CKT BLU OPT 0 KEY G/24	1600991020	C-HSG-G0	G-CAP-0	TPA-G0	RS	LS	MAL	CPA	MSEAL	RSEAL	56	55	54	53	52	51	50	49	48	47	46	45	44	-	SALEABLE		1600995001		
											-	-	40	39	-	-	36	35	-	33	32	31	-	-					
											-	-	-	-	-	-	22	21	-	19	18	-	16	-					
											-	13	12	-	10	-	8	-	6	-	4	3	-	-					
SDC56 ASSY RCPT 56CKT BLU OPT 0 KEY G/36	1600991021	C-HSG-G0	G-CAP-0	TPA-G0	RS	LS	MAL	CPA	MSEAL	RSEAL	-	-	-	-	-	-	-	49	48	-	-	45	-	-	SALEABLE		1600995001		
											-	41	-	-	-	37	36	-	-	-	-	31	-	-					
											-	-	-	-	24	23	22	21	-	19	18	17	16	-					
											-	-	-	-	-	-	-	-	-	5	4	3	2	1					
SDC56 ASSY RCPT 56CKT BLU OPT 0 KEY G/37	1600991022	C-HSG-G0	G-CAP-0	TPA-G0	RS	LS	MAL	CPA	MSEAL	RSEAL	-	55	-	-	52	51	50	-	48	47	46	45	44	-	SALEABLE		1600995001		
											-	41	-	39	-	-	36	-	-	-	32	-	30	-					
											-	-	26	25	24	-	-	-	-	-	-	-	-	-					
											-	-	-	-	-	-	-	-	-	-	-	3	2	-					
SDC56 ASSY RCPT 56CKT BLU OPT 9 KEY G/27	1600991023	C-HSG-G9	G-CAP-9	TPA-G9	RS	LS	MAL	CPA	MSEAL	RSEAL	56	55	54	53	52	51	50	49	48	47	46	45	44	-	SALEABLE		1600995001		
											42	41	40	39	38	37	36	35	-	-	32	31	30	-					
											-	-	26	25	24	-	-	-	-	-	-	-	-	-					
											-	-	-	-	-	-	-	-	-	-	-	3	2	-					
SDC56 ASSY RCPT 56CKT BLU OPT 9 KEY G/26	1600991024	C-HSG-G9	G-CAP-9	TPA-G9	RS	LS	MAL	CPA	MSEAL	RSEAL	-	-	54	53	52	51	50	49	48	-	-	45	-	-	SALEABLE		1600995001		
											-	41	40	-	-	37	36	-	34	-	-	31	-	-					
											-	-	-	-	24	23	22	21	20	19	18	17	16	15					
											-	-	-	-	-	-	-	-	6	5	4	3	2	1					
SDC56 ASSY RCPT 56CKT BLK OPT 0 KEY J/33	1600991025	C-HSG-J0	G-CAP-0	TPA-J0	RS	LS	MAL	CPA	MSEAL	RSEAL	-	-	-	-	-	-	50	49	48	47	46	45	44	43	SALEABLE		1600995001		
											-	-	-	-	-	-	36	35	-	-	32	31	30	29					
											-	-	26	-	-	-	-	-	-	-	18	17	-	-					
											-	-	-	-	-	-	8	7	6	5	-	-	2	1					
SDC56 ASSY RCPT 56CKT BLU OPT 0 KEY G/39	1600991026	C-HSG-G0	G-CAP-0	TPA-G0	RS	LS	MAL	CPA	MSEAL	RSEAL	-	55	-	-	52	51	50	-	-	-	46	45	44	-	SALEABLE		1600995001		
											-	41	-	-	38	-	36	-	-	-	32	-	30	-					
											-	-	26	25	24	-	-	-	-	-	-	-	-	-					
											-	-	-	-	-	-	-	-	-	-	-	3	2	-					
SDC56 ASSY RCPT 56CKT BLU OPT 9 KEY G/27	1600991027	C-HSG-G9	G-CAP-9	TPA-G9	RS	LS	MAL	CPA	MSEAL	RSEAL	-	-	-	-	52	51	50	49	48	-	-	45	-	-	SALEABLE		1600995001		
											-	41	40	-	-	37	36	35	34	-	-	31	-	-					
											-	-	-	-	24	23	22	21	20	19	18	17	16	15					
											-	-	-	-	-	-	-	-	6	5	4	3	2	1					

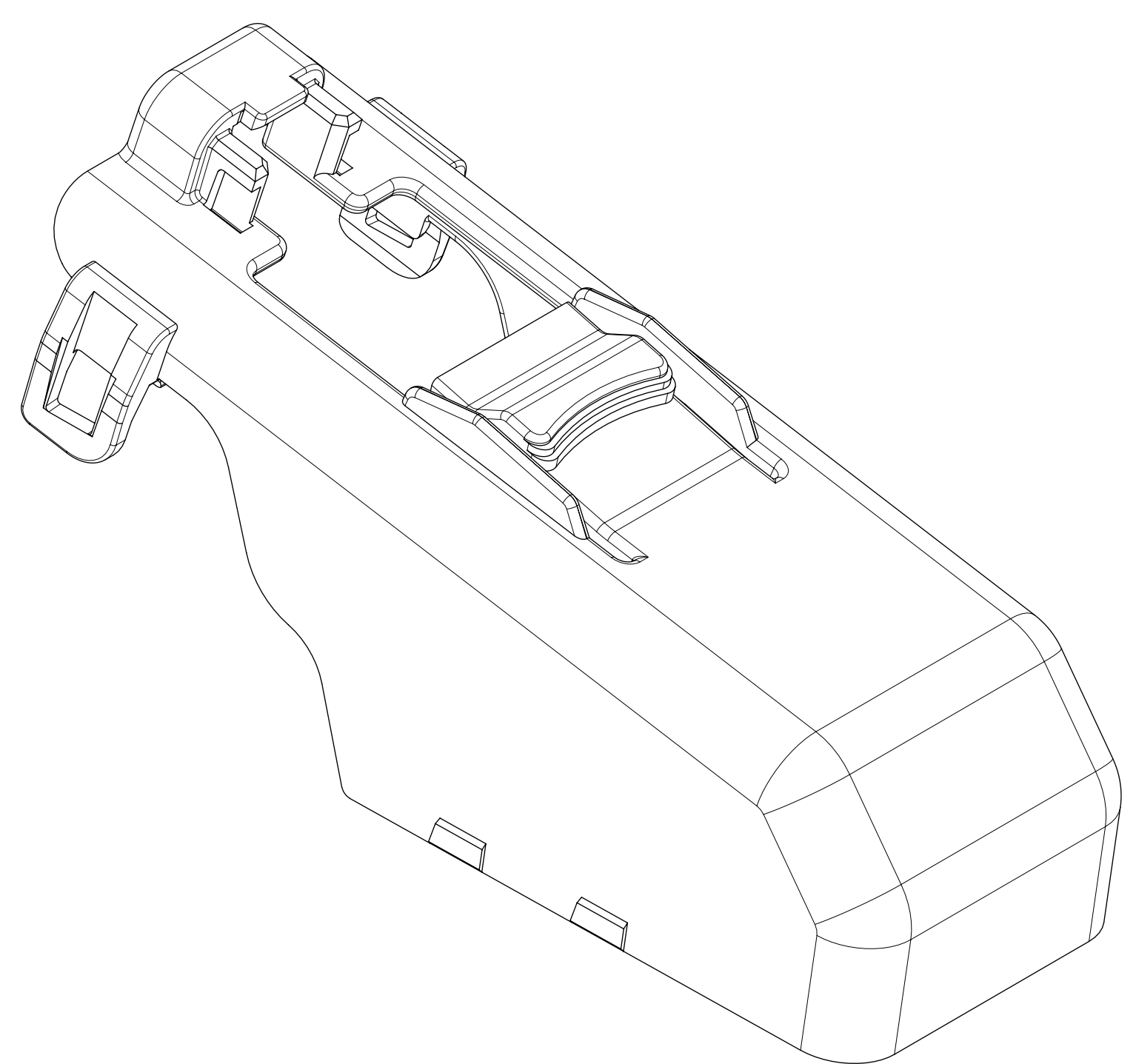
ASSEMBLY DESCRIPTION	ASSEMBLY PART NUMBER	CONNECTOR HOUSING	GROMMET CAP	TPA	RIGHT SLIDE	LEFT SLIDE	MATE ASSIST LEVER	CPA	MAT SEAL	RING SEAL	BLOCKED TERMINALS																STATUS	COMMENTS	INTEGRAL COMPONENTS SOLD SEPARATELY DRESS COVER
											CAVITY WITH A NUMBER INDICATES BLOCKED TERMINAL POSITION CAVITY WITHOUT A NUMBER INDICATES OPEN TERMINAL POSITION																		
											1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16			
SDC56 ASSY RCPT 56CKT BLU OPT 0 KEY G/37	1600991028	C-HSG-G0	G-CAP-0	TPA-G0	RS	LS	MAL	CPA	MSEAL	RSEAL	-	55	-	-	52	51	50	-	48	47	46	45	44	-					
											-	41	-	-	38	-	36	-	-	-	32	-	30	-					
											-	-	26	25	24	-	-	-	-	-	-	-	-	-	-				
											-	-	-	-	-	-	-	-	-	-	-	3	2	-					
SDC56 ASSY RCPT 56CKT BLK OPT 0 KEY J/24	1600991029	C-HSG-J0	G-CAP-0	TPA-J0	RS	LS	MAL	CPA	MSEAL	RSEAL	-	-	-	-	-	-	50	49	48	47	46	45	44	43					
											-	-	-	-	-	-	36	35	-	-	32	31	30	29					
											-	-	26	-	24	-	22	21	20	19	18	17	16	15					
											-	-	-	-	-	-	8	7	6	5	4	3	2	1					
SDC56 ASSY RCPT 56CKT BLK OPT 0 KEY J/33	1600991030	C-HSG-J0	G-CAP-0	TPA-J0	RS	LS	MAL	CPA	MSEAL	RSEAL	-	-	-	-	-	-	50	49	48	47	-	-	44	43					
											-	-	-	-	-	-	36	35	-	-	-	-	30	29					
											-	-	-	-	24	-	22	21	-	-	18	17	16	15					
											-	-	-	-	-	-	8	7	6	5	-	-	2	1					
SDC56 ASSY RCPT 56CKT BLU OPT 0 KEY G/25	1600991031	C-HSG-G0	G-CAP-0	TPA-G0	RS	LS	MAL	CPA	MSEAL	RSEAL	-	-	54	53	52	51	50	49	48	-	-	45	-	-					
											-	41	40	-	-	37	36	35	34	-	-	31	-	-					
											-	-	-	-	24	23	22	21	20	19	18	17	16	15					
											-	-	-	-	-	-	-	-	6	5	4	3	2	1					
SDC56 ASSY RCPT 56CKT BLU OPT 9 KEY G/29	1600991032	C-HSG-G9	G-CAP-9	TPA-G9	RS	LS	MAL	CPA	MSEAL	RSEAL	-	-	-	-	52	-	-	49	48	-	-	45	-	-					
											-	41	40	-	-	37	36	35	34	-	-	31	-	-					
											-	-	-	-	24	23	22	21	20	19	18	17	16	15					
											-	-	-	-	-	-	-	-	6	5	4	3	2	1					
SDC56 ASSY RCPT 56CKT BLU OPT 0 KEY G/30	1600991033	C-HSG-G0	G-CAP-0	TPA-G0	RS	LS	MAL	CPA	MSEAL	RSEAL	56	55	54	-	52	51	50	49	-	47	-	-	-	-					
											42	41	40	39	38	37	36	35	-	-	32	31	30	-					
											-	-	26	25	24	-	-	-	-	19	18	-	-	-					
											-	-	-	-	-	-	-	-	-	-	-	-	2	1					
SDC56 ASSY RCPT 56CKT BLK OPT 0 KEY J/34	1600991034	C-HSG-J0	G-CAP-0	TPA-J0	RS	LS	MAL	CPA	MSEAL	RSEAL	-	-	-	-	-	-	50	49	48	47	-	-	44	43					
											-	-	-	-	-	-	36	35	-	-	32	31	30	29					
											-	-	26	-	-	-	22	21	20	19	-	-	-	-					
											-	-	-	-	-	9	8	7	6	5	-	-	-	-					
SDC56 ASSY RCPT 56CKT BLU OPT 0 KEY G/41	1600991035	C-HSG-G0	G-CAP-0	TPA-G0	RS	LS	MAL	CPA	MSEAL	RSEAL	-	-	-	-	-	51	50	-	-	-	46	-	-	-					
											-	41	-	-	38	-	36	-	34	33	-	-	-	-					
											-	-	-	25	-	-	-	-	-	-	18	-	-	-					
											-	13	12	11	10	9	-	-	-	-	-	-	-	-					
SDC56 ASSY RCPT 56CKT BLU OPT 0 KEY G/31	1600991036	C-HSG-G0	G-CAP-0	TPA-G0	RS	LS	MAL	CPA	MSEAL	RSEAL	-	55	-	53	52	51	50	49	48	47	-	-	44	-					
											-	41	-	-	38	-	36	-	-	-	32	31	30	-					
											-	27	26	25	24	-	-	-	-	19	18	-	-	-					
											-	-	-	-	-	-	-	-	-	5	4	3	2	-					
SDC56 ASSY RCPT 56CKT BLU OPT 0 KEY G/28	1600991037	C-HSG-G0	G-CAP-0	TPA-G0	RS	LS	MAL	CPA	MSEAL	RSEAL	-	-	-	-	52	51	50	49	48	-	-	45	-	-					
											-	41	40	-	-	37	36	-	34	-	-	31	-	-					
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											-	-	-	25	-	-	-	-	-	-	18	-	-	-					
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											-	-	26	25	24	-	-	-	-	19	18	-	-	-					
											-	-	-	-	-	-	-	-	-	5	4	3	2	-					

ASSEMBLY DESCRIPTION	ASSEMBLY PART NUMBER	CONNECTOR HOUSING	GROMMET CAP	TPA	RIGHT SLIDE	LEFT SLIDE	MATE ASSIST LEVER	CPA	MAT SEAL	RING SEAL	BLOCKED TERMINALS																STATUS	COMMENTS	INTEGRAL COMPONENTS SOLD SEPARATELY DRESS COVER
											CAVITY WITH A NUMBER INDICATES BLOCKED TERMINAL POSITION CAVITY WITHOUT A NUMBER INDICATES OPEN TERMINAL POSITION																		
											-	-	-	-	-	-	-	-	50	49	48	47	46	45	44	43			
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											-	-	-	-	-	-	36	35	34	33	32	31	30	29					
											-	-	-	-	24	-	22	21	20	19	18	17	16	15					
											-	-	-	-	-	-	8	7	6	5	4	3	2	1					
SDC56 ASSY RCPT 56CKT NAT OPT 0 KEY M/19	1600991041	C-HSG-M0	G-CAP-0	TPA-M0	RS	LS	MAL	CPA	MSEAL	RSEAL	-	-	-	-	52	51	50	49	48	47	46	45	44	43	SALEABLE		1600995001		
											-	-	-	-	38	37	36	35	34	33	32	31	30	29					
											-	-	-	-	24	-	22	21	20	19	18	17	16	15					
											-	-	-	-	-	-	8	7	6	5	4	3	2	1					
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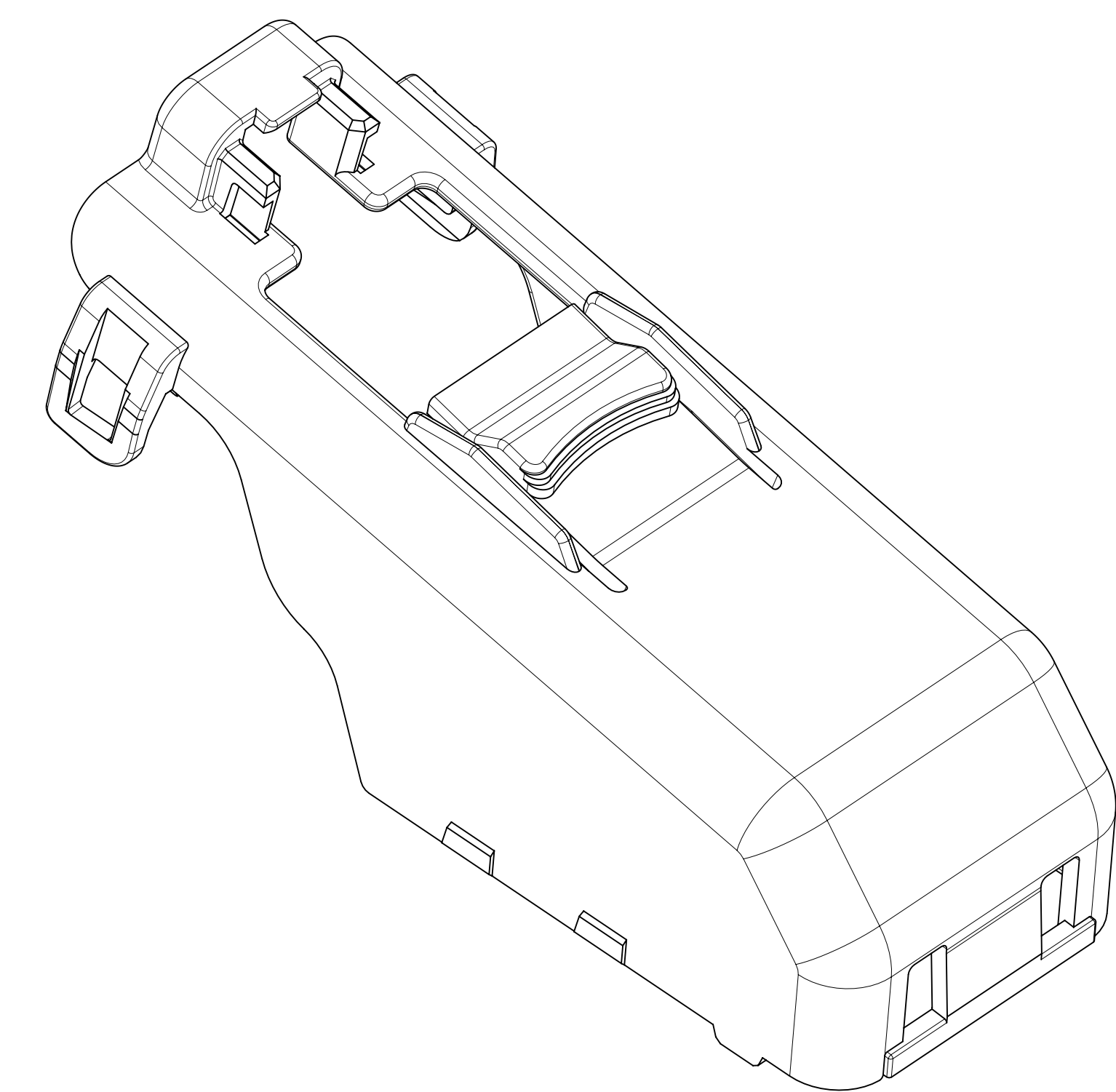
ASSEMBLY DESCRIPTION	ASSEMBLY PART NUMBER	CONNECTOR HOUSING	GROMMET CAP	TPA	RIGHT SLIDE	LEFT SLIDE	MATE ASSIST LEVER	CPA	MAT SEAL	RING SEAL	BLOCKED TERMINALS												STATUS	COMMENTS	INTEGRAL COMPONENTS SOLD SEPARATELY DRESS COVER		
											CAVITY WITH A NUMBER INDICATES BLOCKED TERMINAL POSITION														1600995001		
											CAVITY WITHOUT A NUMBER INDICATES OPEN TERMINAL POSITION																
SDC56 ASSY RCPT 56CKT BLK OPT 9 KEY J/27	1600991052	C-HSG-J9	G-CAP-9	TPA-J9	RS	LS	MAL	CPA	MSEAL	RSEAL	-	-	-	-	-	-	50	49	48	47	46	45	44	43	SALEABLE		1600995001
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											-	-	-	25	-	-	22	21	20	19	-	-	-	-			
											-	-	-	-	-	9	8	7	6	5	4	3	2	-			

TABLE OF CONTENTS	
SHEET NO.	SHEET DESCRIPTION
1	NOTES AND BOM
2	DATUM TARGETS TYPE 2
3	DATUM TARGETS TYPE 1

BILL OF MATERIALS (BOM)					
TYPE	DESCRIPTION	PART NUMBER	COLOR	MATERIAL	STATUS
1	ALL CKT, YELLOW	1600995001	YELLOW	PBT, G.F. 30%	SALEABLE
2	ALL CKT, YELLOW	1600995007	YELLOW	PBT, G.F. 30%	OK TO TOOL



TYPE 1



TYPE 2

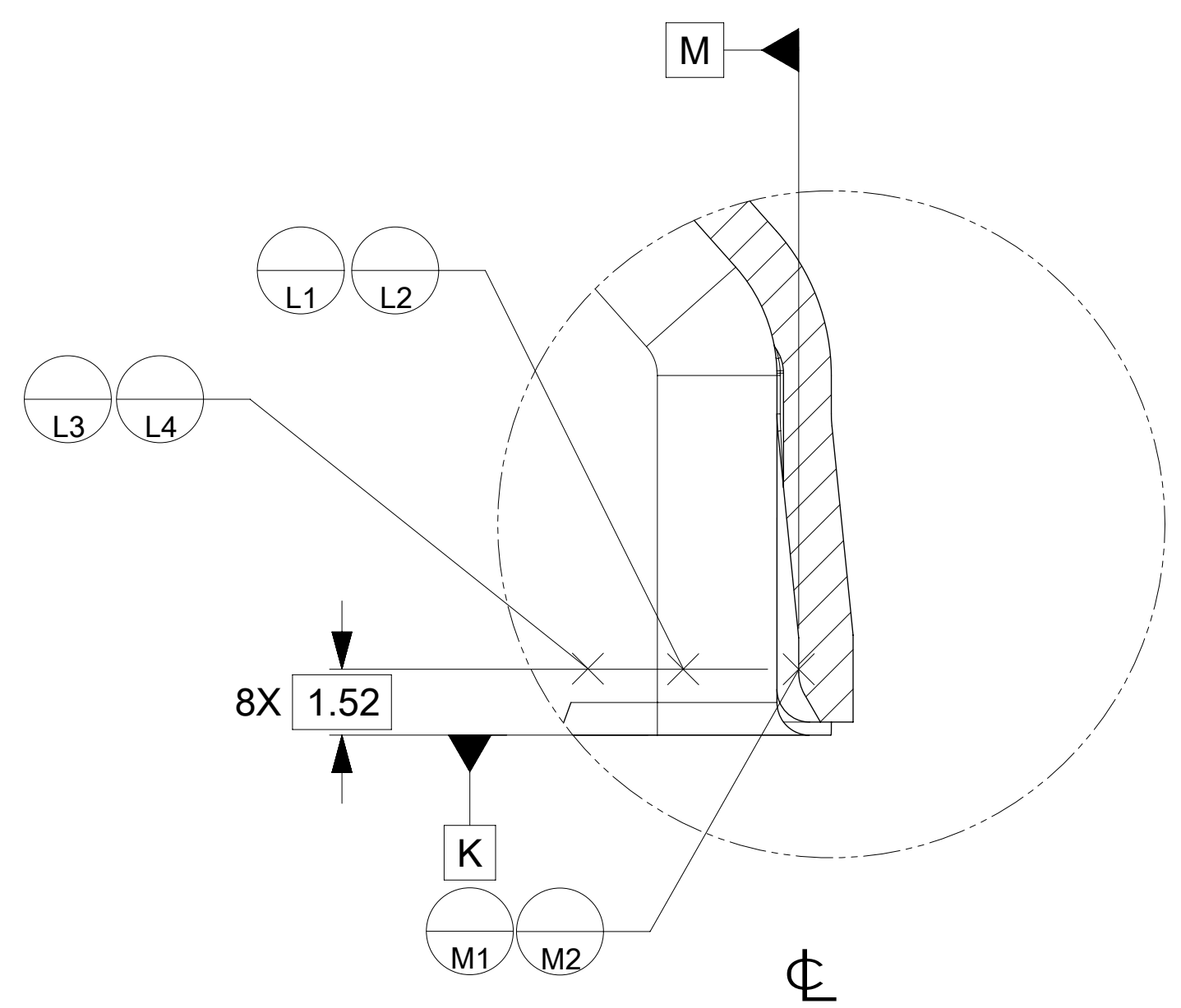
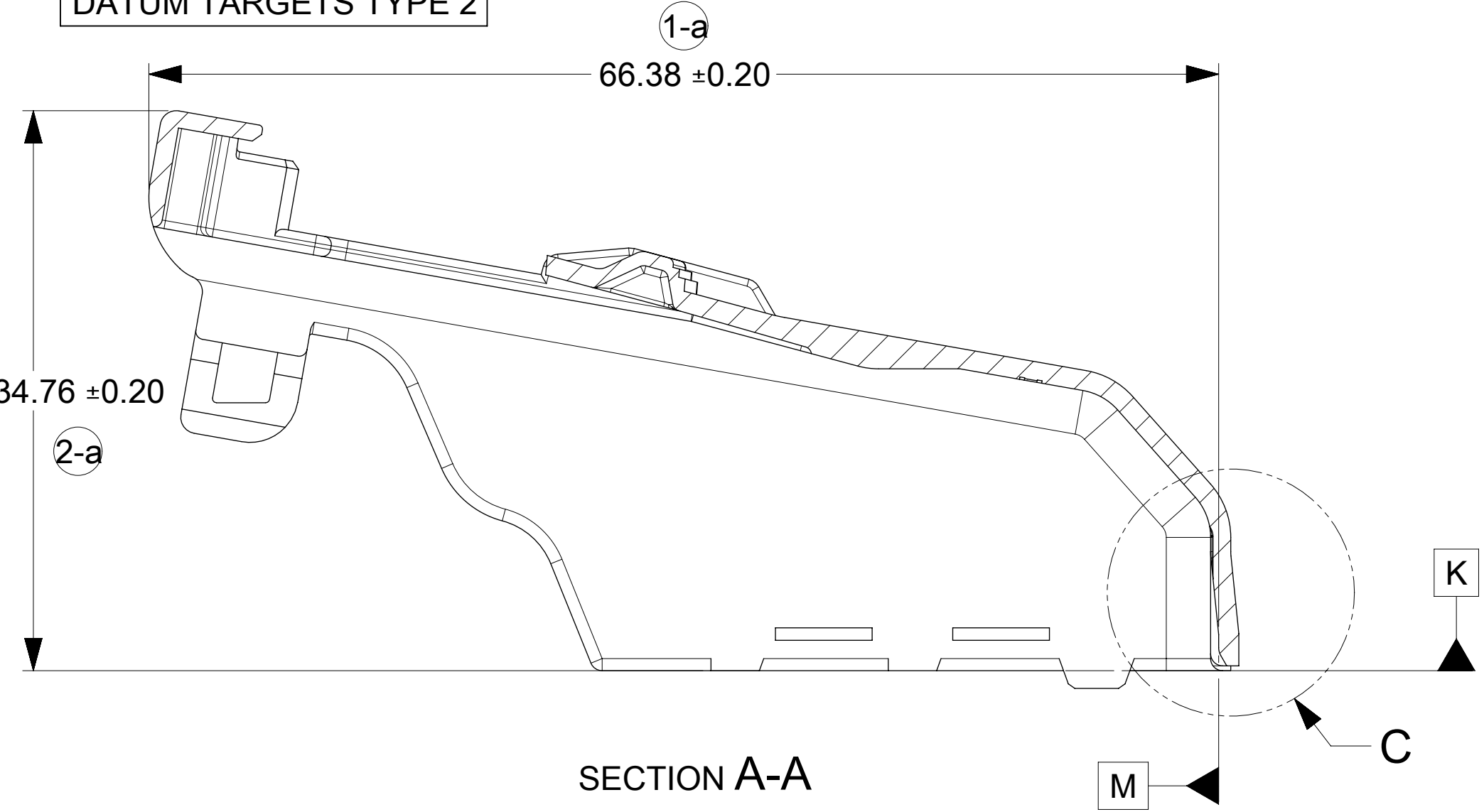
NOTES: VALID UNLESS OTHERWISE SPECIFIED

1. GENERAL:
 - a. APPLICATION SPECIFICATION SEE: AS-34566-001
-CONTAINS: PRODUCT INTRODUCTION, PRODUCT SUMMARY, CONNECTOR ASSEMBLY, PACKAGING INFORMATION, CONNECTOR MATING, SERVICE INSTRUCTIONS, ELECTRICAL CONTINUITY CHECKING, CRIMPING, AND TROUBLESHOOTING.
 - b. PRODUCT SPECIFICATION SEE: 1600990001-PS
CONTAINS: PRODUCT INTRODUCTION, PRODUCT SUMMARY, RATINGS (CURRENT, TEMPERATURE, AND FLAMMABILITY), AND PRODUCT VALIDATION.
 - c. PACKAGING SPECIFICATION PER MOLEX DRAWING: PK-31300-180
 - 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)
2. DESIGN - MATERIALS:
 - a. SEE BOM TABLE / REGRIND 30% MAX BY WEIGHT
3. DESIGN - GEOMETRY:
 - a. ALL GRAPHIC DATA IS BASIC (NO TOLERANCE) AND MUST BE TAKEN FROM THE DATA FILE AT ITS LATEST REVISION.
 - b. GEOMETRIC DIMENSIONS AND TOLERANCES PER ASME Y14.5M-2009
 - c. GENERAL TOLERANCES:
LINEAR:
X.X ±0.30
X.XX ±0.10
X.XXX ±0.10
ANGULAR X° ±3°
 - d. EDGES AND UNDIMENSIONED DETAILS PER ISO13715
 - e. CORNERS SHOWN AS SHARP TO BE R 0.2 MAX.
 - f. LETTERING SHALL BE 0.15 MAX RAISED IN 0.25 MAX RECESS PAD.
THIS INCLUDES RECYCLING CODE, CAVITY ID, VENDOR IDENTIFICATION, AND CUSTOMER MATERIAL NUMBER.
 - g. VISUAL DEFECTS SHALL MEET COSMETIC STANDARD PS-45499-002 (Class B).
 - h. LASER MARKING: N/A

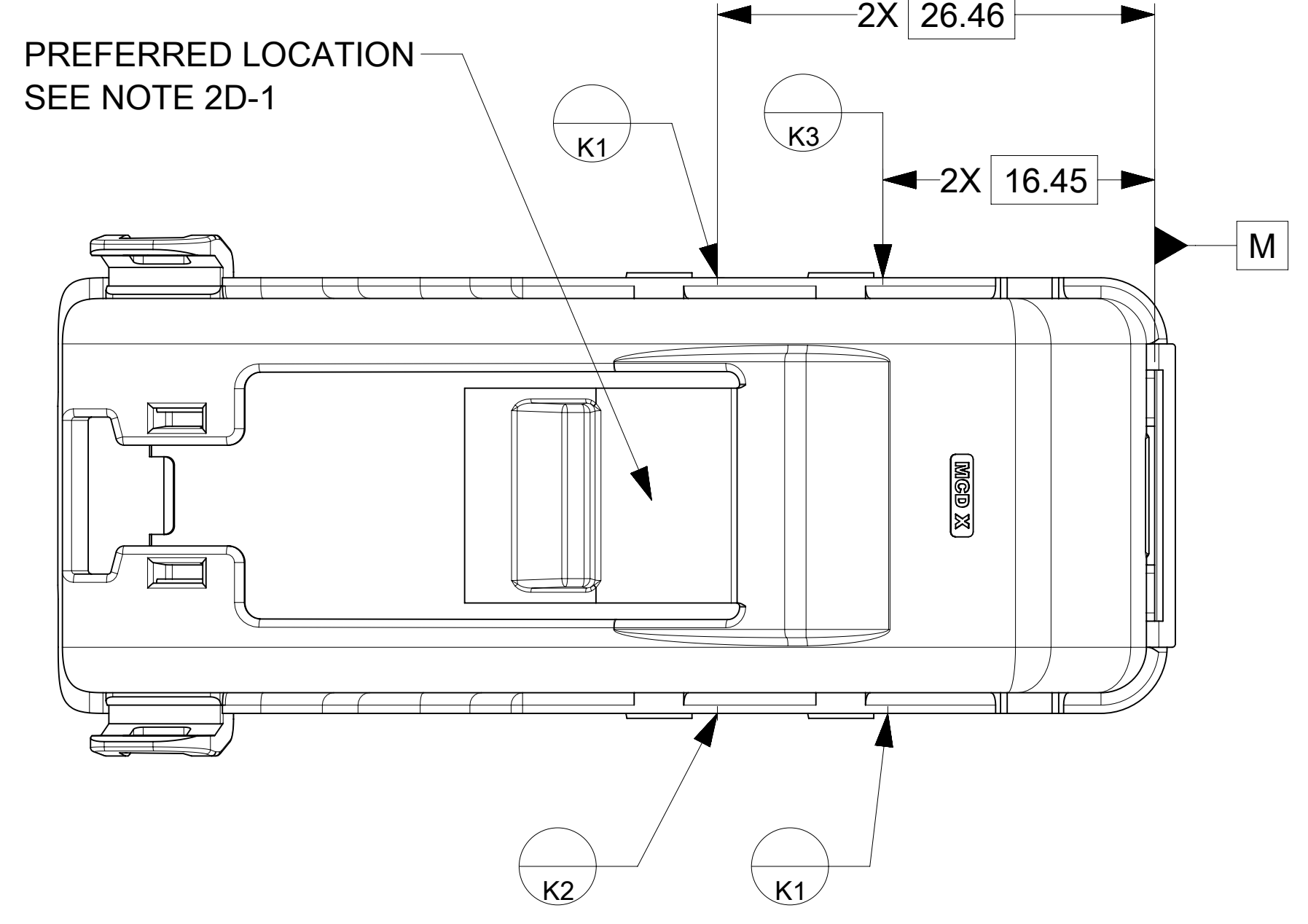
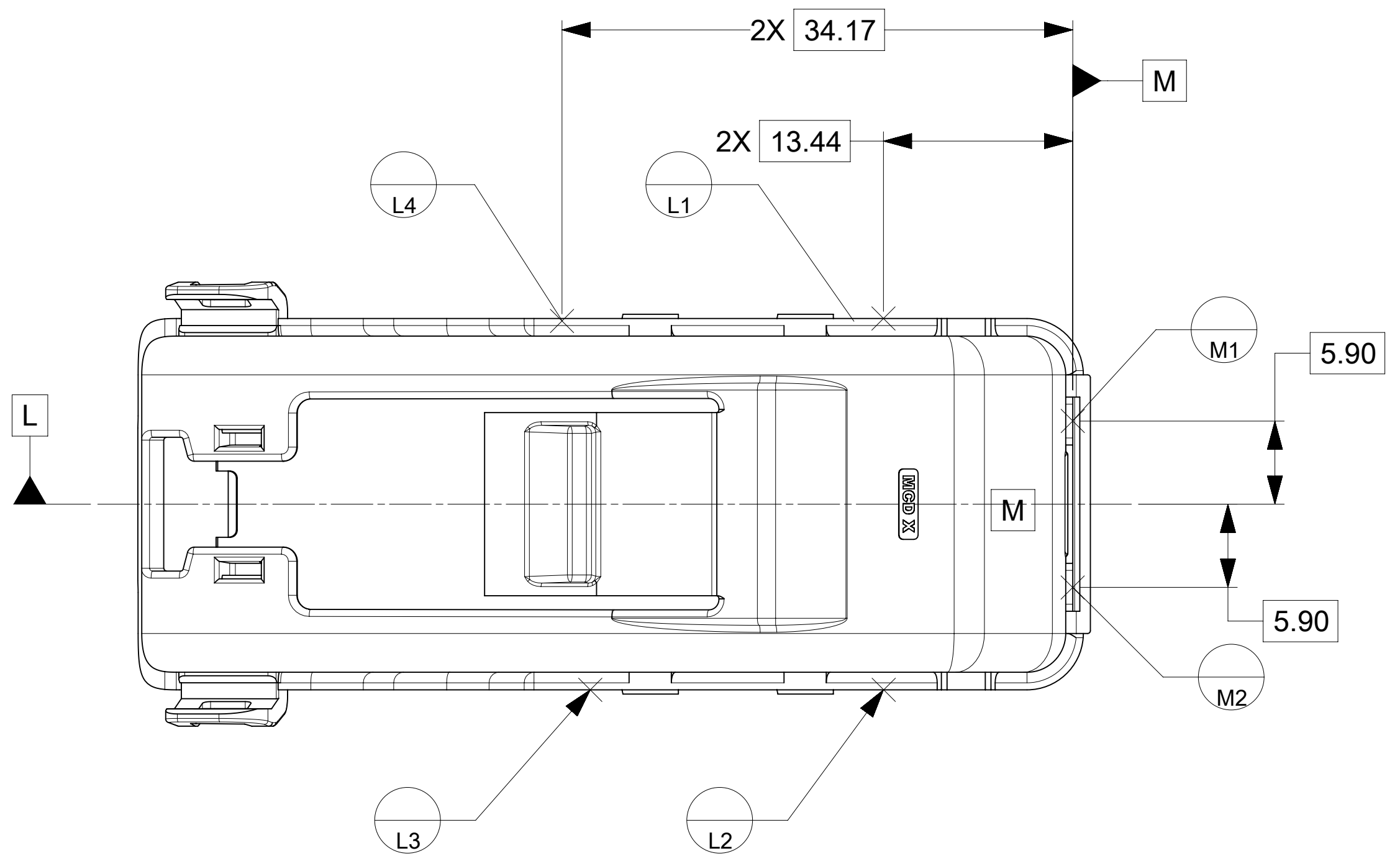
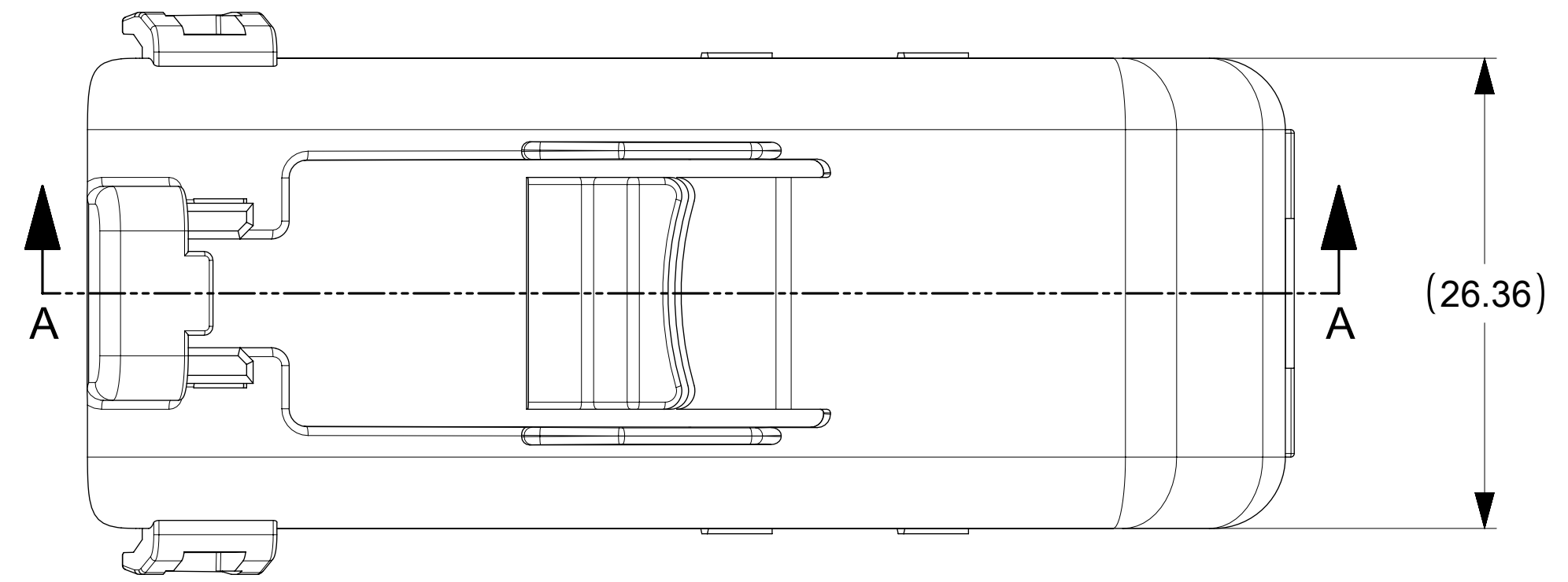
A6	UPDATED DESIGN FOR TYPE 2
A5	ADD P/N 1600995007
A4	CHANGED THE DOC TYPE TO GENERAL MARKET
A3	ADDED BALLOON NUMBERS
A2	UPDATED TOLERANCES BASED ON DIMENSIONAL REPORT
A1	PRODUCTION RELEASE
A	PRE-PRODUCTION RELEASE
1	INITIAL RELEASE
REV	DESCRIPTION

QUALITY SYMBOLS F = 0 E = 0 D = 0 C = 0 B = 0 A = 0 0 = 0 1 = 0 2 = 0 3 = 0 4 = 0 5 = 0 6 = 0 7 = 0 8 = 0 9 = 0 10 = 0 11 = 0 12 = 0 13 = 0 14 = 0 15 = 0 16 = 0 17 = 0 18 = 0 19 = 0	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		DIMENSION UNITS mm	SCALE 4:1	
	EC NO: 685152 DRWN: HKANG03 CHKD: STTAN REV APPR: STTAN	2021/11/12 2021/11/16 2021/11/16	GENERAL TOLERANCES (UNLESS SPECIFIED) ANGULAR TOL ± ° 4 PLACES ± 3 PLACES ± 2 PLACES ± 1 PLACE ± 0 PLACES ± DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	DRWN BY DATE APODDATURI 2017/01/20 CHKD BY DATE SKRAJENDRANA 2017/01/20 APPR BY DATE VKOSHY 2017/01/20	
RELEASE STATUS P1 RELEASE DATE 2021/11/16 03:27:51	A6	DOCUMENT NUMBER 1600995001-SD DOC TYPE PSD DOC PART 000 SHEET NUMBER 1 OF 3	D 	160099	1600995001-SD PSD 000 1 OF 3

SHEET DESCRIPTION
DATUM TARGETS TYPE 2

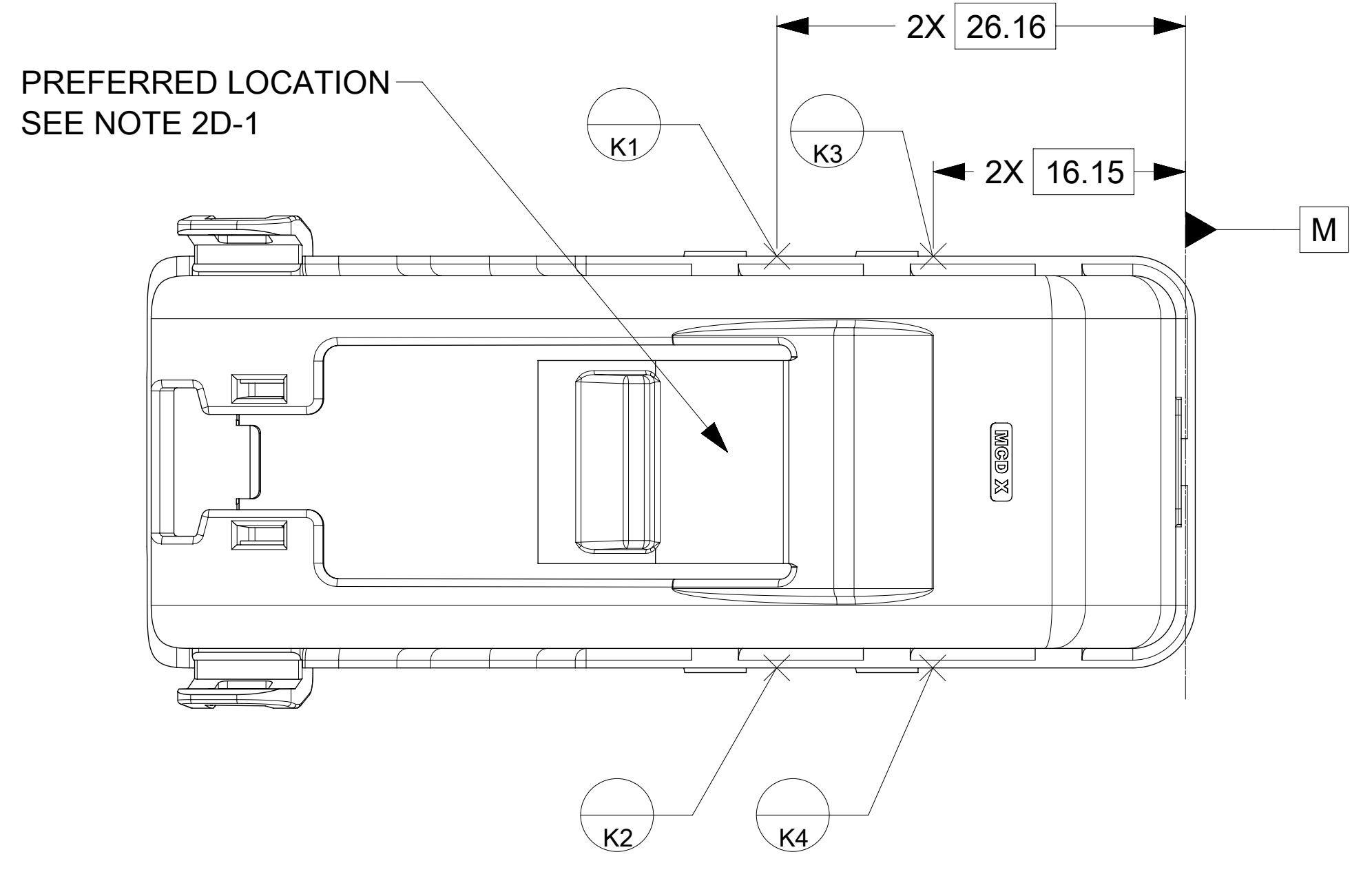
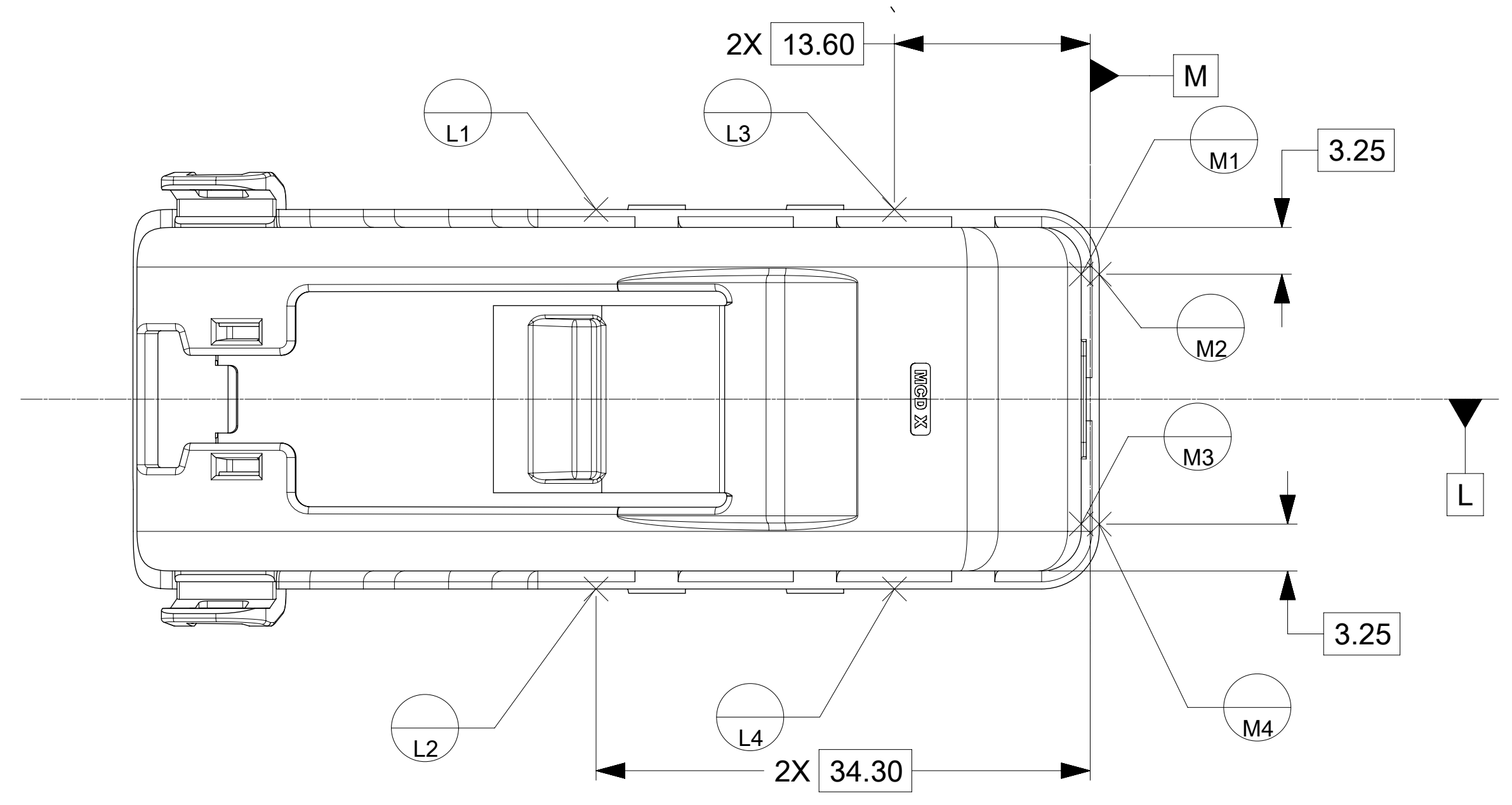
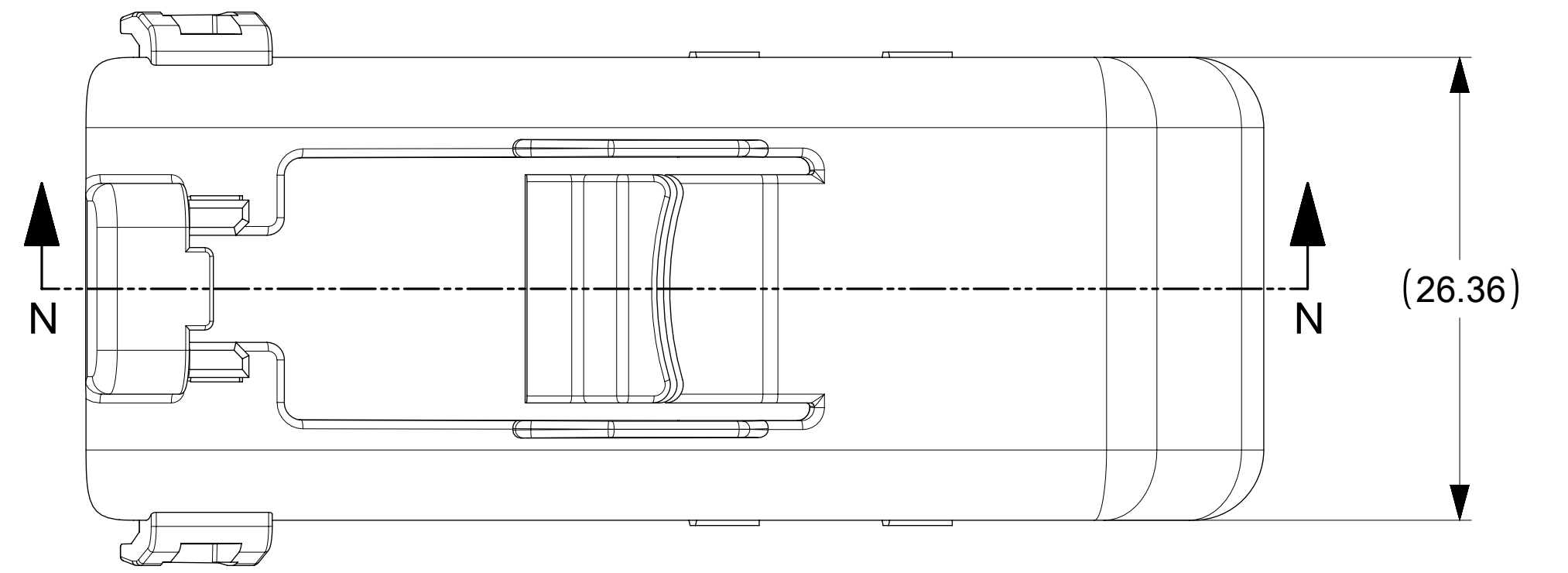
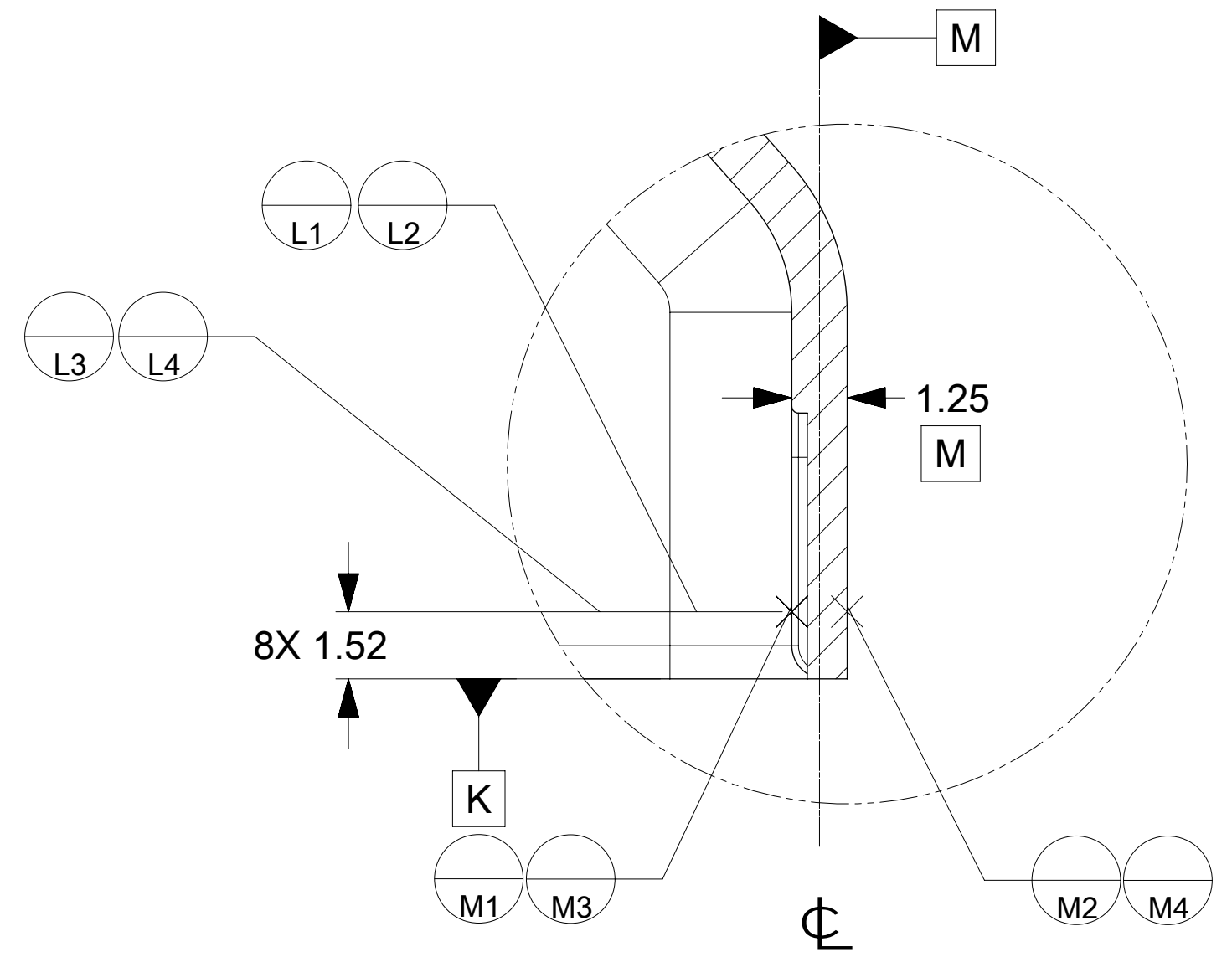
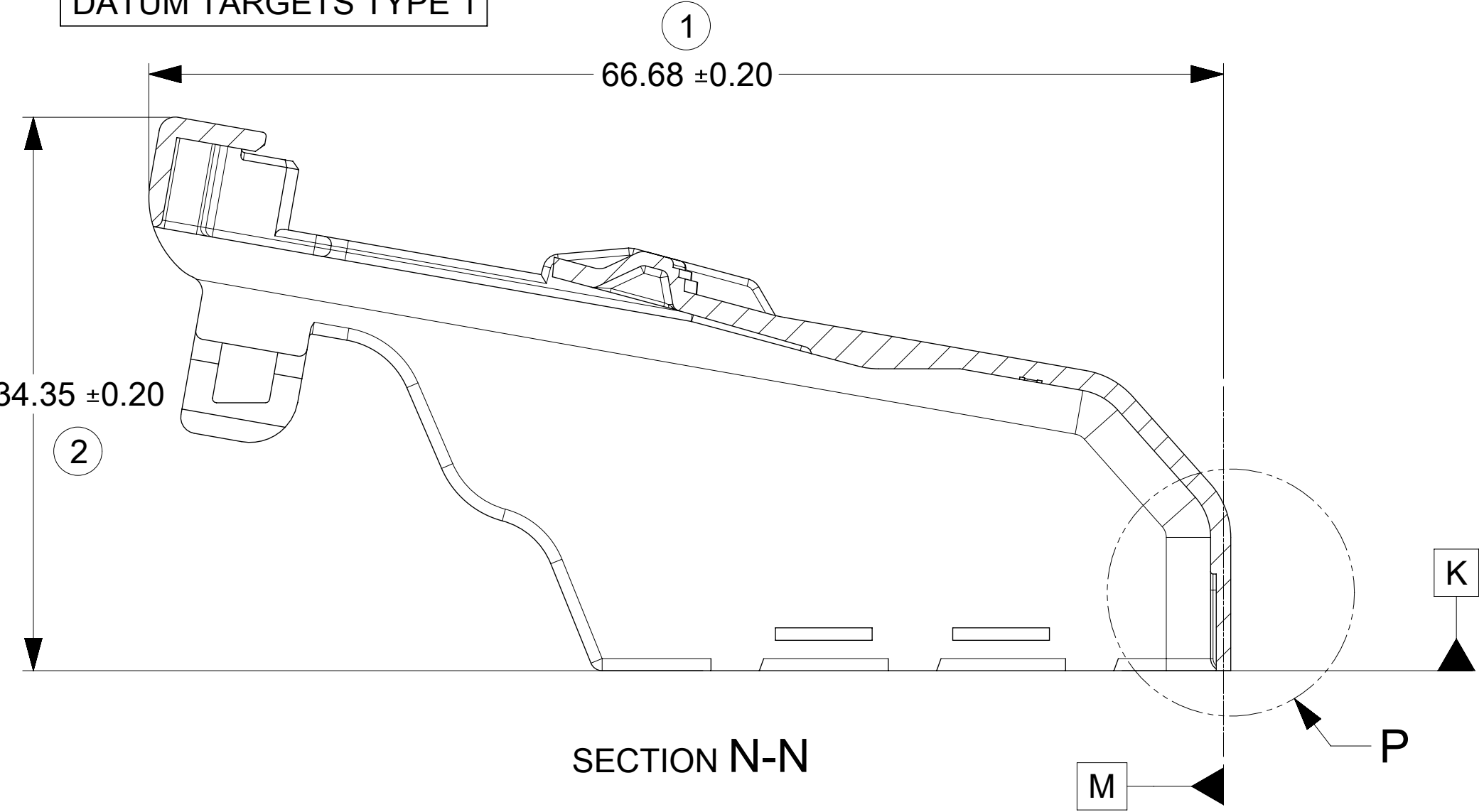


DETAIL C
SCALE 7:1



QUALITY SYMBOLS F = 0 E = 0 D = 0 C = 0 B = 0 A = 0 □ = 0 ■ = 0 ▽ = 0	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		DIMENSION UNITS mm	SCALE 2:1	
	EC NO: 685152 DRWN: HKANG03 CHKD: STTAN REV APPR: STTAN	2021/11/16 2021/11/16 2021/11/16	GENERAL TOLERANCES (UNLESS SPECIFIED) ANGULAR TOL ± ° 4 PLACES ± 3 PLACES ± 2 PLACES ± 1 PLACE ± 0 PLACES ± DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	DRWN BY APODDATURI	
A6	DRAWING SIZE D	THIRD ANGLE PROJECTION	APPR BY VKOSHY	DATE 2017/01/20	SERIES 160099
RELEASE STATUS P1	RELEASE DATE 2021/11/16 03:27:51	DOCUMENT NUMBER 1600995001-SD	DOC TYPE PSD	DOC PART 000	SHEET NUMBER 2 OF 3

SHEET DESCRIPTION
DATUM TARGETS TYPE 1



QUALITY SYMBOLS F = 0 E = 0 D = 0 C = 0 B = 0 A = 0 8 = 0 7 = 0	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION				
	EC NO: 685152 DRWN: HKANG03 CHKD: STTAN REV APPR: STTAN	2021/11/16 2021/11/16 2021/11/16	GENERAL TOLERANCES (UNLESS SPECIFIED) ANGULAR TOL ± ° 4 PLACES ± 3 PLACES ± 2 PLACES ± 1 PLACE ± 0 PLACES ± DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	DIMENSION UNITS: mm SCALE: 2:1 DRWN BY: APODDATURI DATE: 2017/01/20 CHKD BY: SKRAJENDRANA DATE: 2017/01/20 APPR BY: VKOSHY DATE: 2017/01/20 DRAWING SIZE: D THIRD ANGLE PROJECTION	
	PRODUCT CUSTOMER DRAWING			SERIES: 160099 MATERIAL NUMBER: 1600995001-SD CUSTOMER:	
	RELEASE STATUS: P1 RELEASE DATE: 2021/11/16 03:27:51	DOCUMENT NUMBER: 1600995001-SD DOC TYPE: PSD DOC PART: 000 SHEET NUMBER: 3 OF 3			