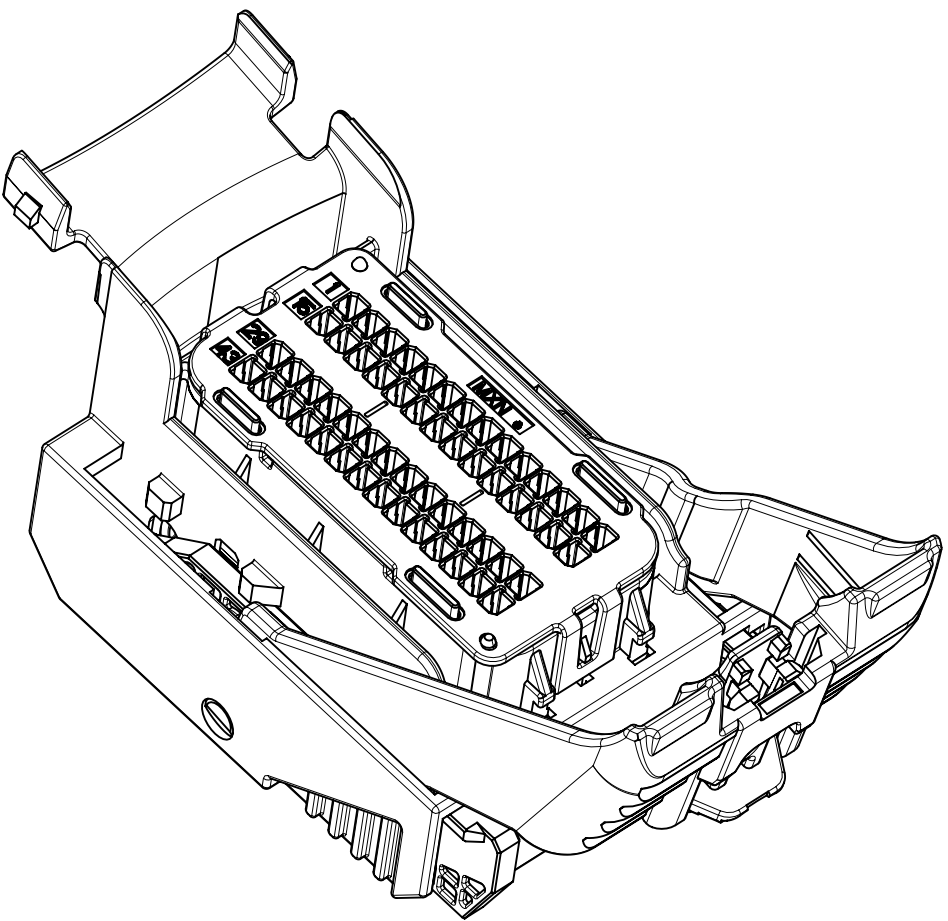
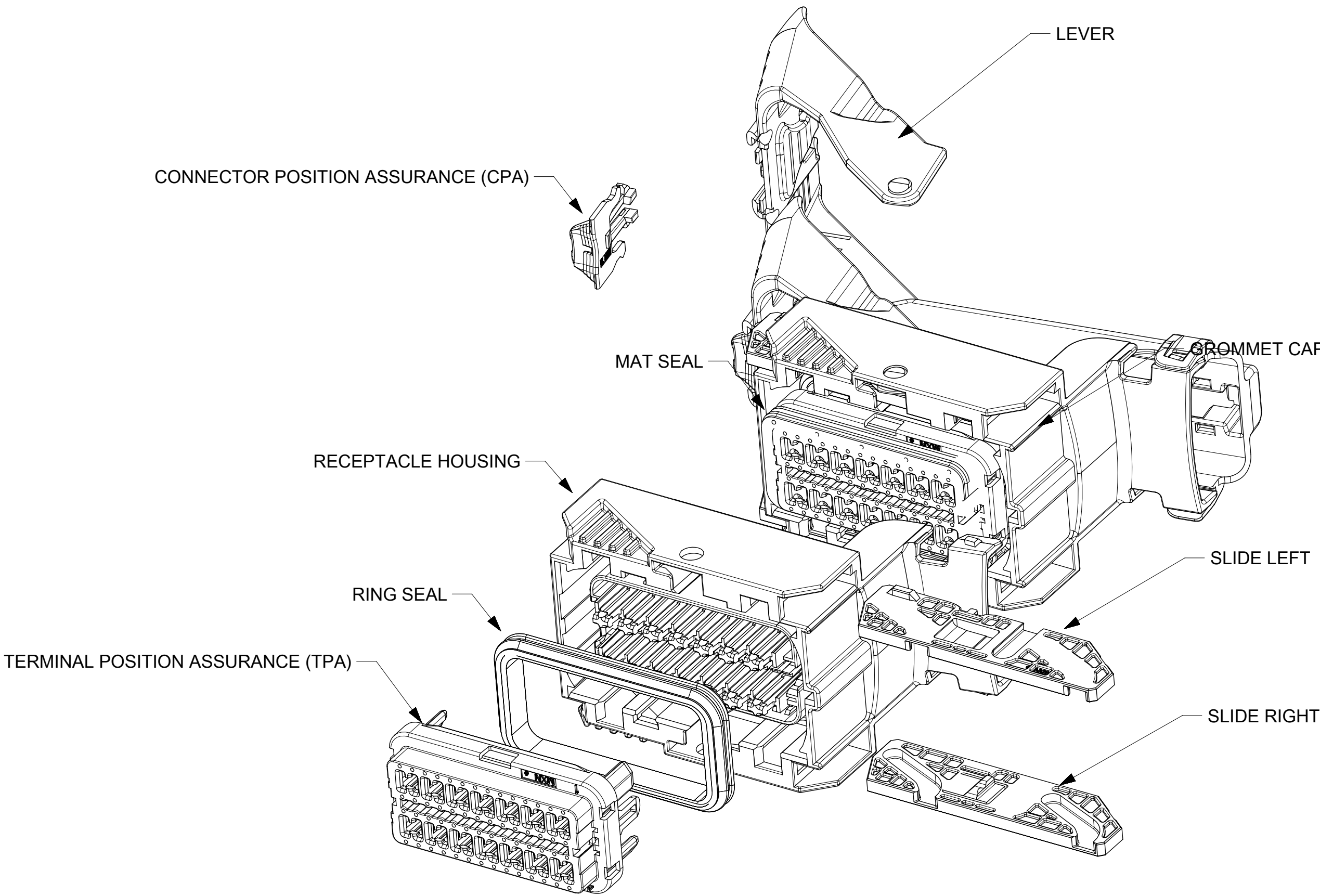


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1	NOTES AND BOM
2	CONFIGURATIONS
3	POLARIZATION
4	INTEGRAL COMPONENTS
5	DATUM TARGETS
6	PACKAGING DIMENSIONS -TYPE 1
7	PACKAGING DIMENSIONS -TYPE 2
8-9	RECEPTACLE PACKAGING
10-17	CONNECTOR INTERFACE DEFINITION

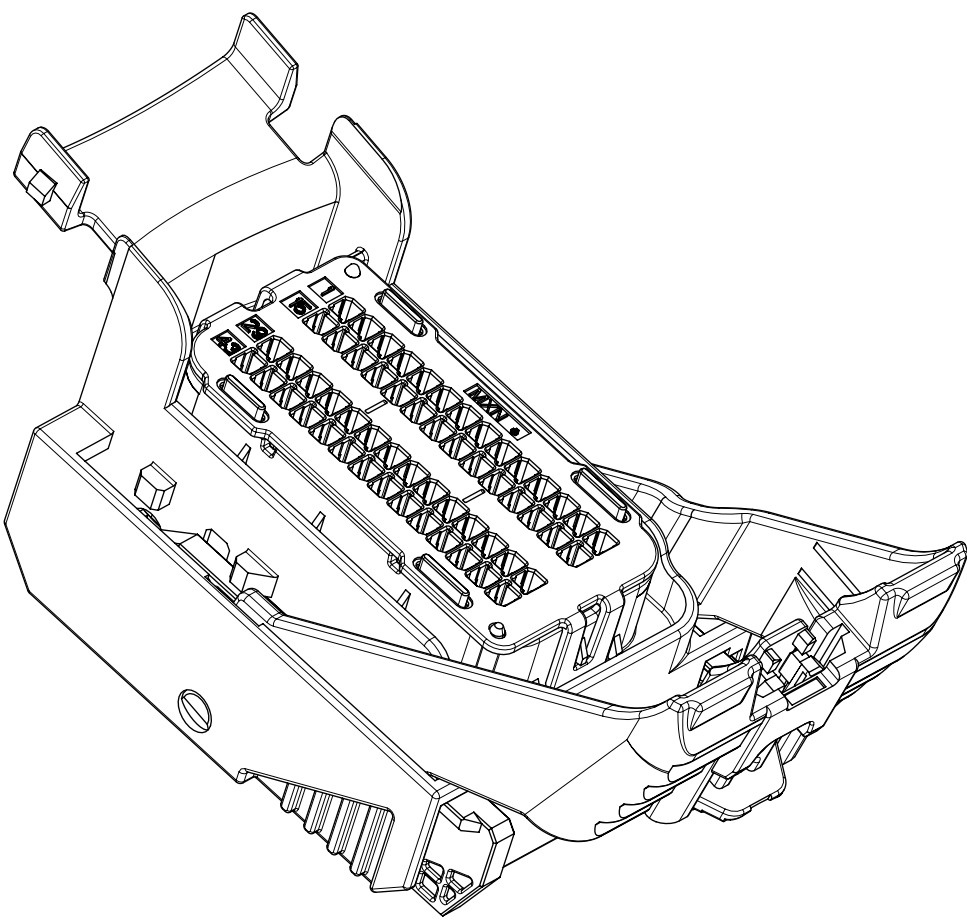
NOTES: VALID UNLESS OTHERWISE SPECIFIED

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
- 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°

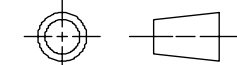


TYPE 2
(P/N: 216783*)

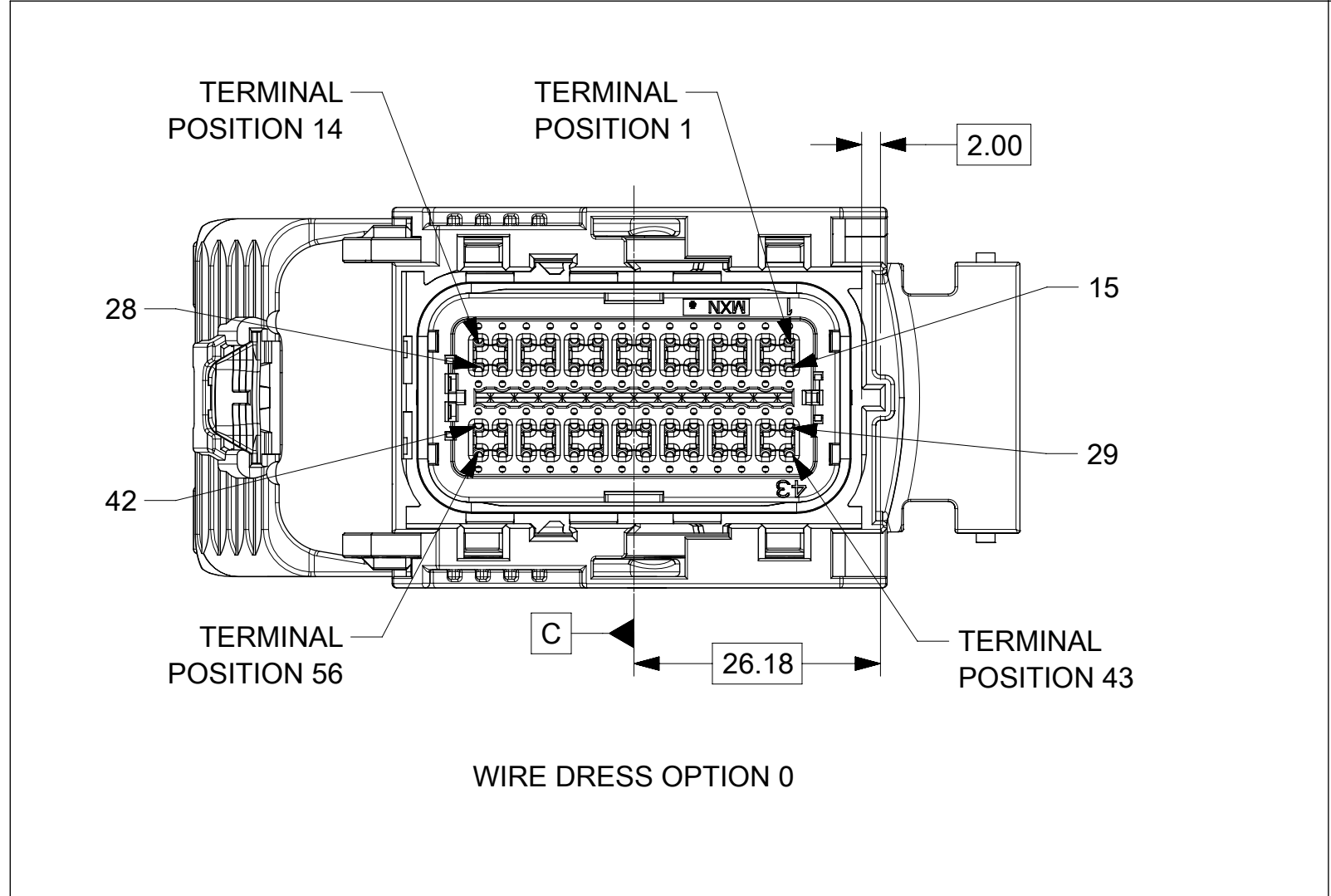


TYPE 1
(P/N: 160099*)

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

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	2021/11/12	GENERAL TOLERANCES (UNLESS SPECIFIED)	DIMENSION UNITS	SCALE	molex[®] SDC56 56CKT HRNS CONN ASSY PRODUCT CUSTOMER DRAWING									
	2021/11/16		mm	3:2										
	2021/11/16		DRWN BY										DATE	
	ANGULAR TOL ±		°										APODDATUR	
	4 PLACES ±		CHK'D BY		DATE		PRODUCT CUSTOMER DRAWING							
	3 PLACES ±		SKRAJENDRANA		2017/04/03									
	2 PLACES ±		APPR BY		DATE									
	1 PLACE ±		VKOSHY		2017/06/06									
	0 PLACES ±		DRAWING SIZE		THIRD ANGLE PROJECTION		SERIES		MATERIAL NUMBER		CUSTOMER			
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		A1				160099								
A8	REV					DOCUMENT NUMBER		DOC TYPE		DOC PART		SHEET NUMBER		
						1600990001-SD		PSD		000		1 OF 17		

SHEET DESCRIPTION	
CONFIGURATIONS	



2.00

TERMINAL POSITION 43

29

15

TERMINAL POSITION 1

26.18

C

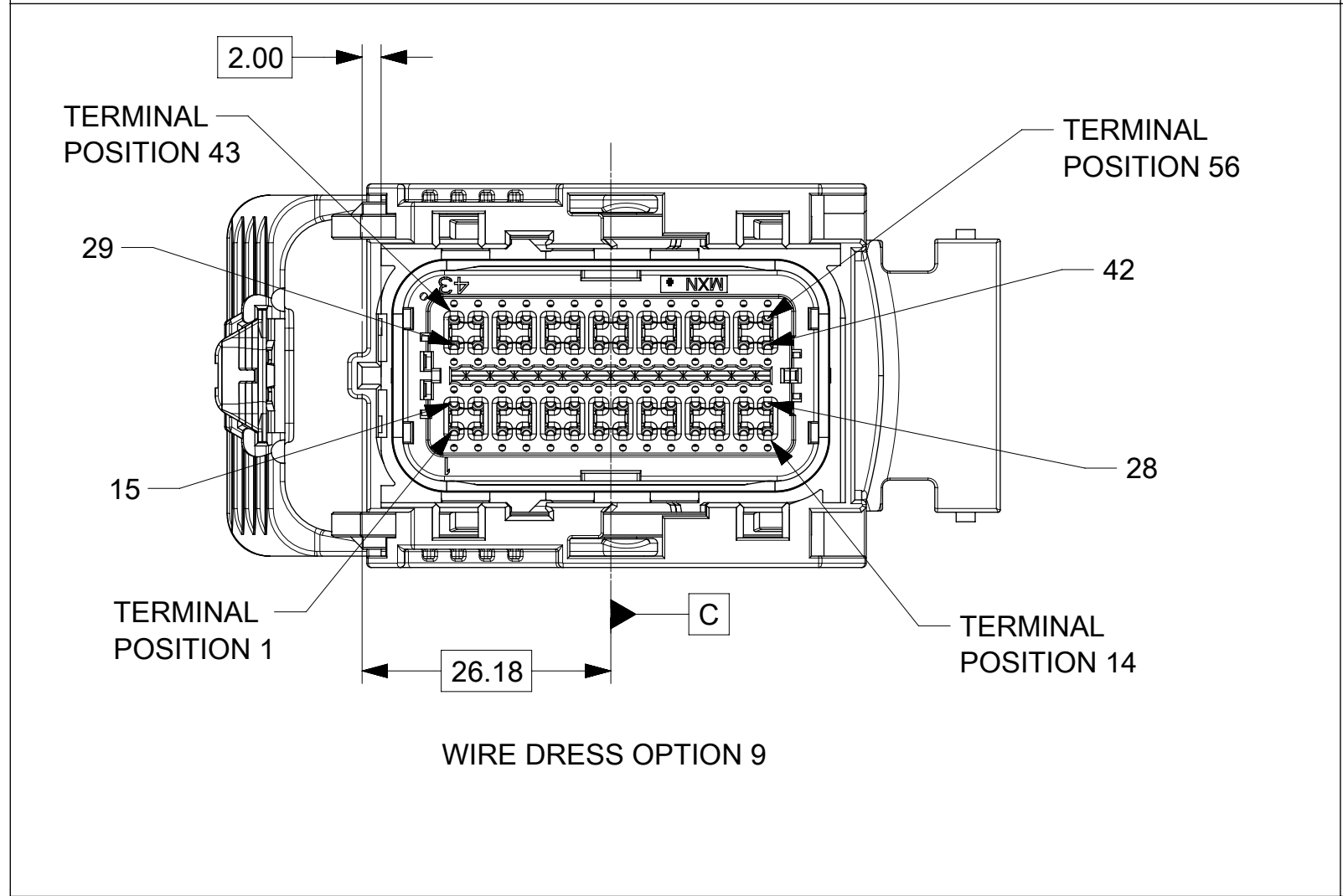
TERMINAL POSITION 14

TERMINAL POSITION 56

42

28

WIRE DRESS OPTION 9



2.00

TERMINAL POSITION 43

29

15

TERMINAL POSITION 1

26.18

C

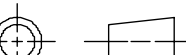
TERMINAL POSITION 56

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28

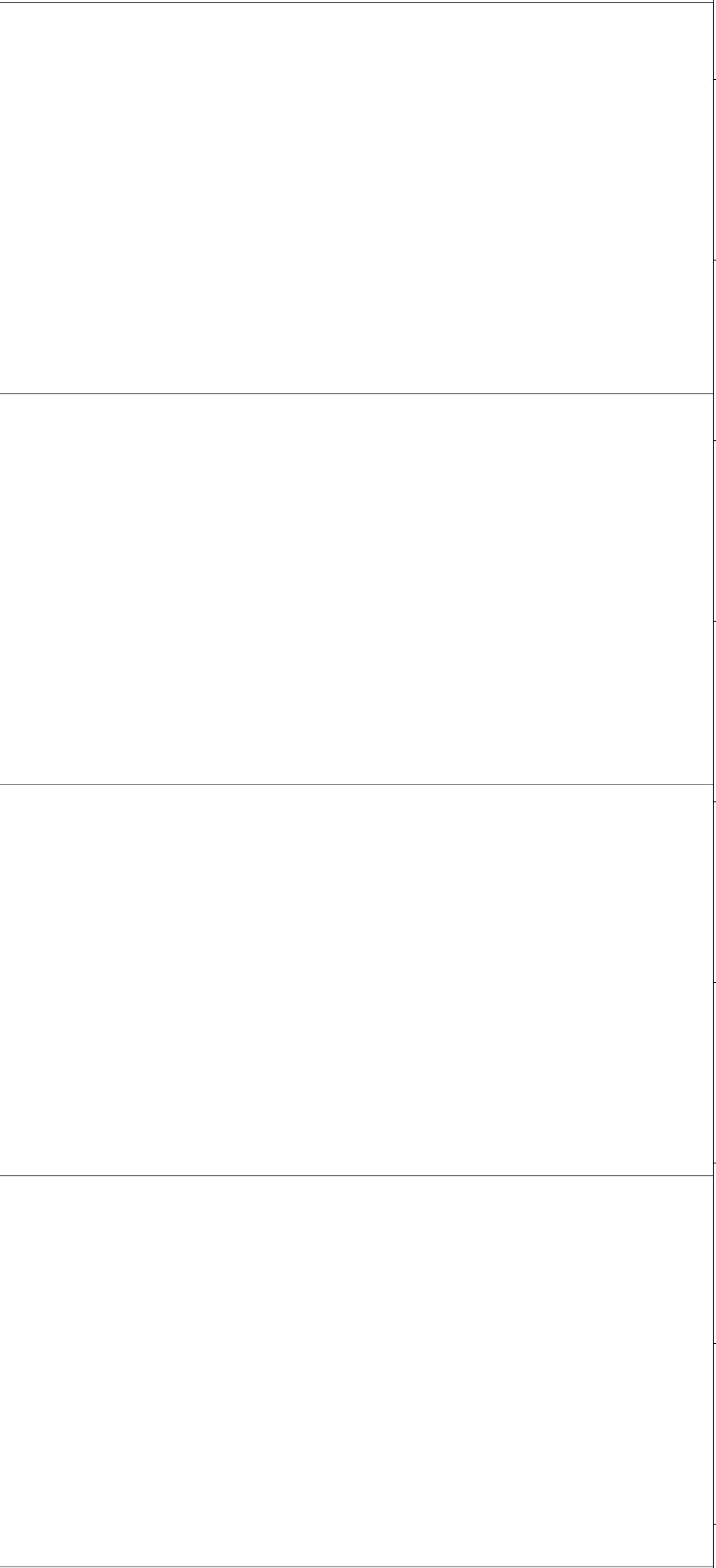
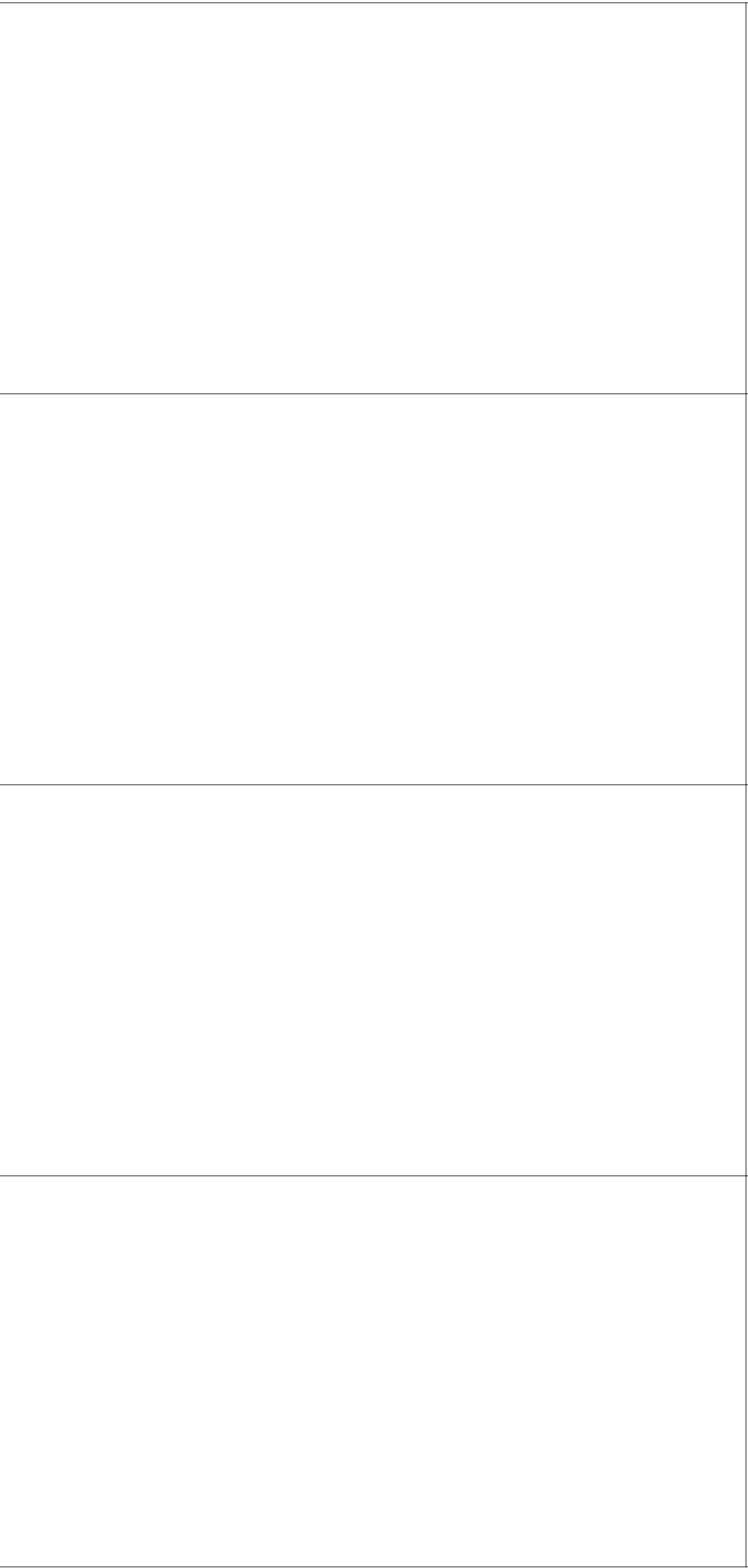
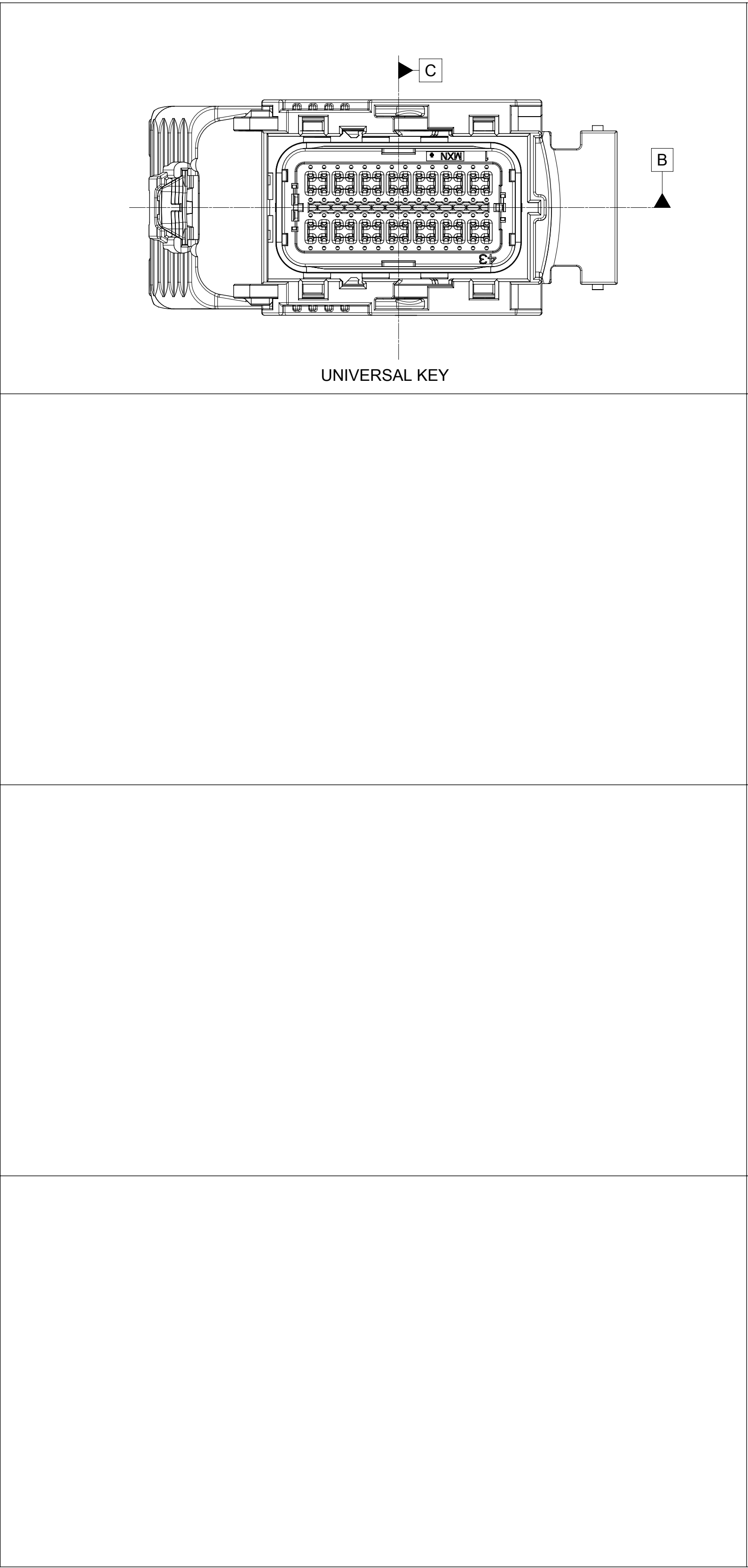
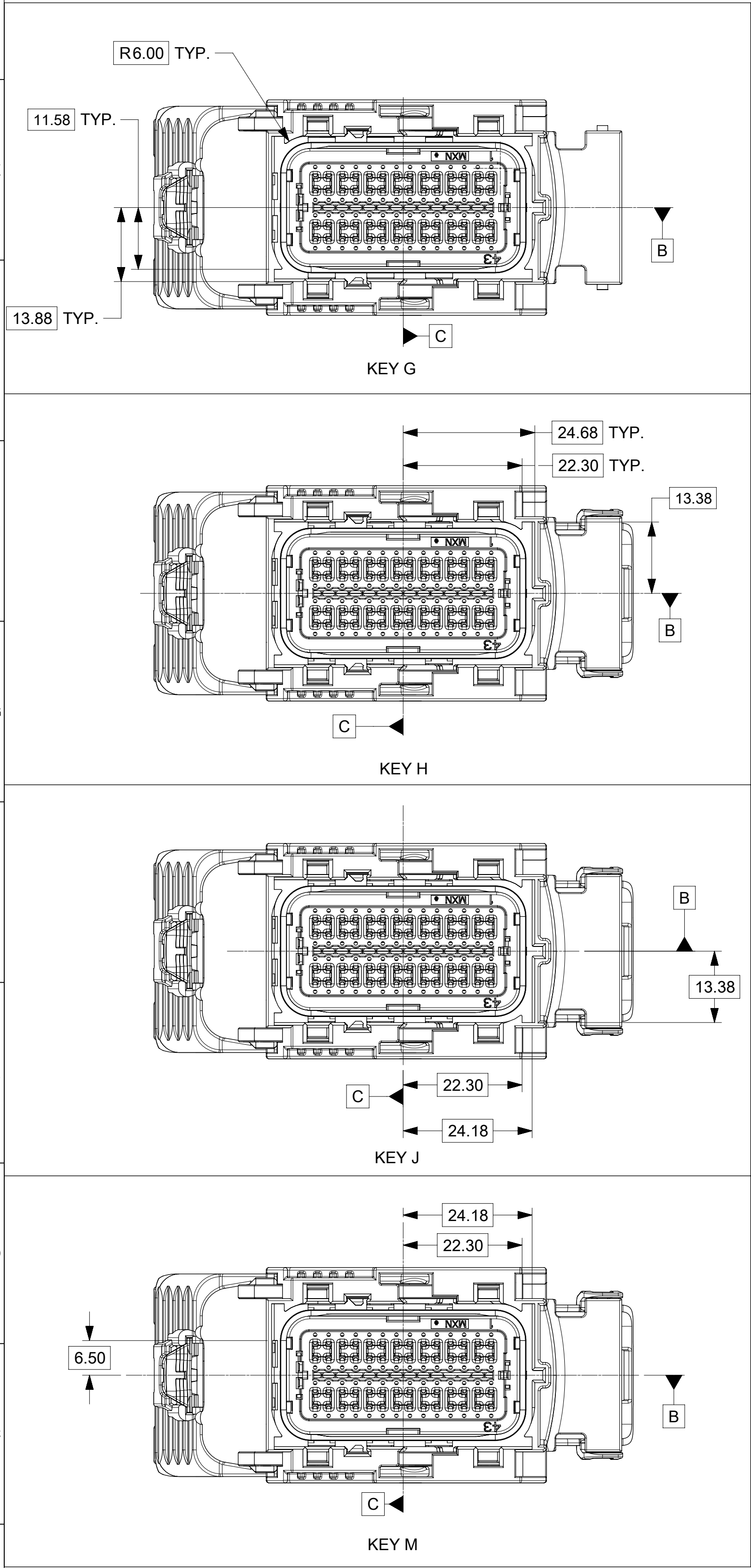
TERMINAL POSITION 14

WIRE DRESS OPTION 9

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 CHK'D: STTAN APPR: STTAN	2021/11/12	GENERAL TOLERANCES (UNLESS SPECIFIED)	DIMENSION UNITS		SCALE		molex®						
	2021/11/16		mm		1.5:1								
	2021/11/16		ANGULAR TOL ± °	APODDATUR I		2017/04/03		SDC56 56CKT HRNS CONN ASSY					
	4 PLACES ±		CHK'D BY		DATE								
	3 PLACES ±		SKRAJENDRANA		2017/04/03								
	2 PLACES ±		APPR BY		DATE								
	1 PLACE ±		VKOSHY		2017/06/06		PRODUCT CUSTOMER DRAWING						
	0 PLACES ±		DRAWING SIZE		THIRD ANGLE PROJECTION								
	A8		REV	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	A1			SERIES	MATERIAL NUMBER		CUSTOMER		
								160099					
						DOCUMENT NUMBER	DOC TYPE		DOC PART	SHEET NUMBER			
						1600990001-SD	PSD		000	2 OF 17			

SHEET DESCRIPTION

POLARIZATION



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 APPR: STTAN	2021/11/12	GENERAL TOLERANCES (UNLESS SPECIFIED)	DIMENSION UNITS	SCALE	molex [®]
	2021/11/16		mm	1.5:1	
	2021/11/16		DRWN BY	DATE	
			APODDATURI	2017/04/03	
			CHK'D BY	DATE	
			SKRAJENDRANA	2017/04/03	
			APPR BY	DATE	
			VKOSHY	2017/06/06	
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		

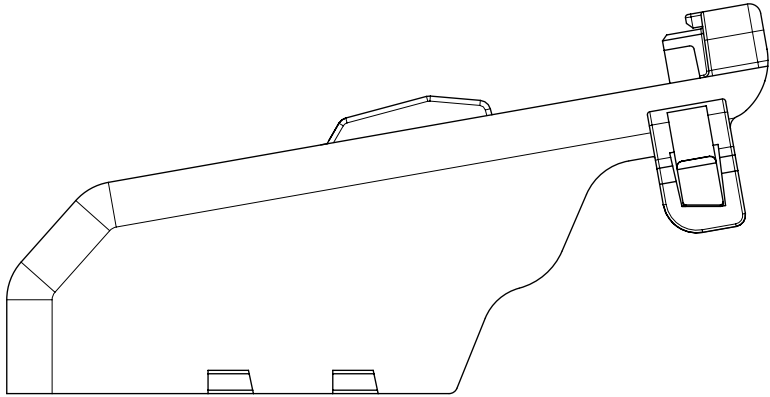
SERIES	MATERIAL NUMBER	CUSTOMER
160099		

DOCUMENT NUMBER	DOC TYPE	DOC PART	SHEET NUMBER
1600990001-SD	PSD	000	3 OF 17

SHEET DESCRIPTION	
INTEGRAL COMPONENTS	

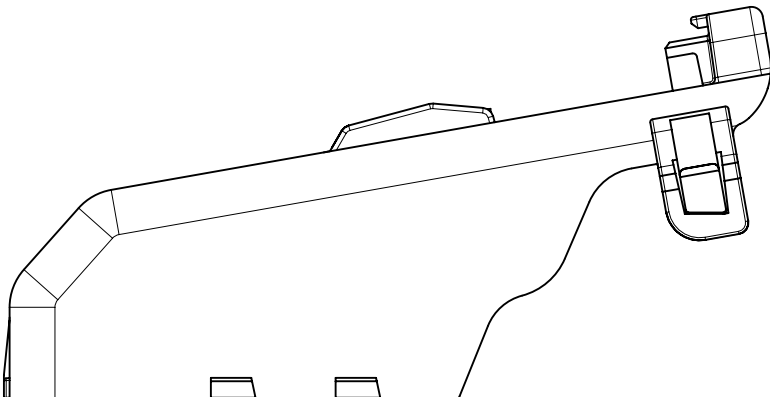
THE FOLLOWING COMPONENTS ARE SOLD SEPERATELY.
SEE BOM FOR ADDITIONAL INFORMATION.

FOR HARNESS 160099* ONLY

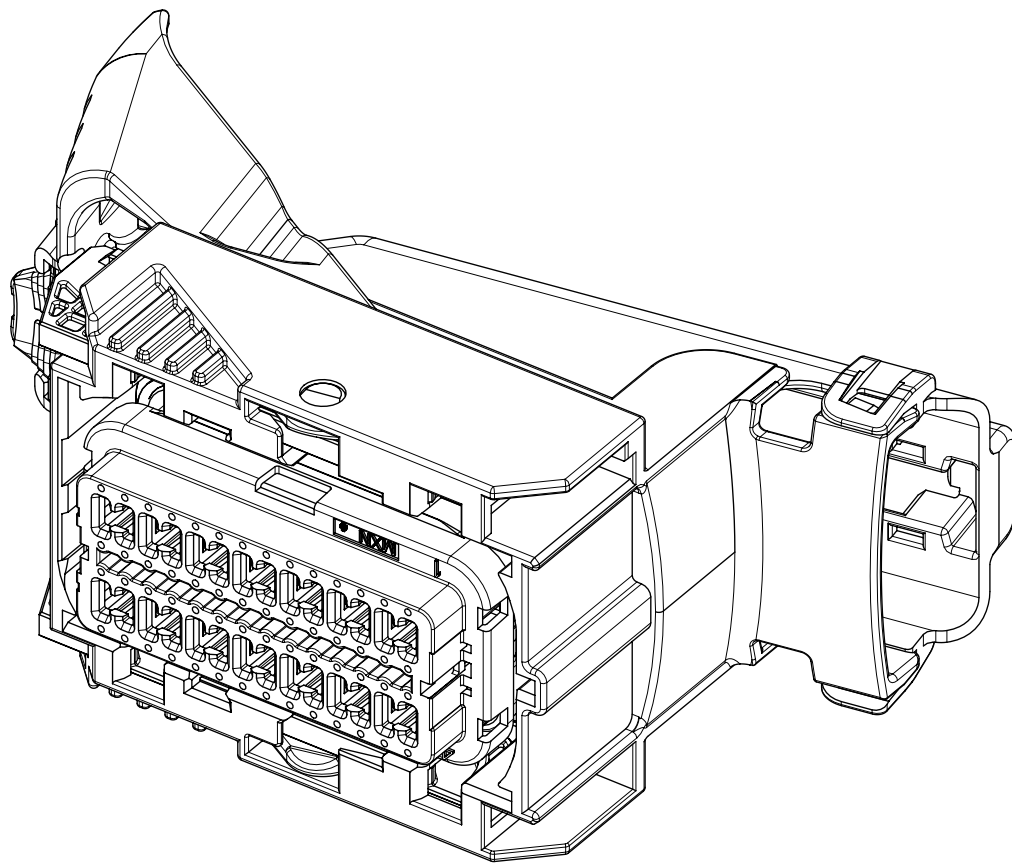


WIRE DRESS COVER
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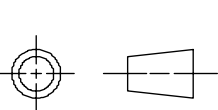
FOR HARNESS 216783* ONLY



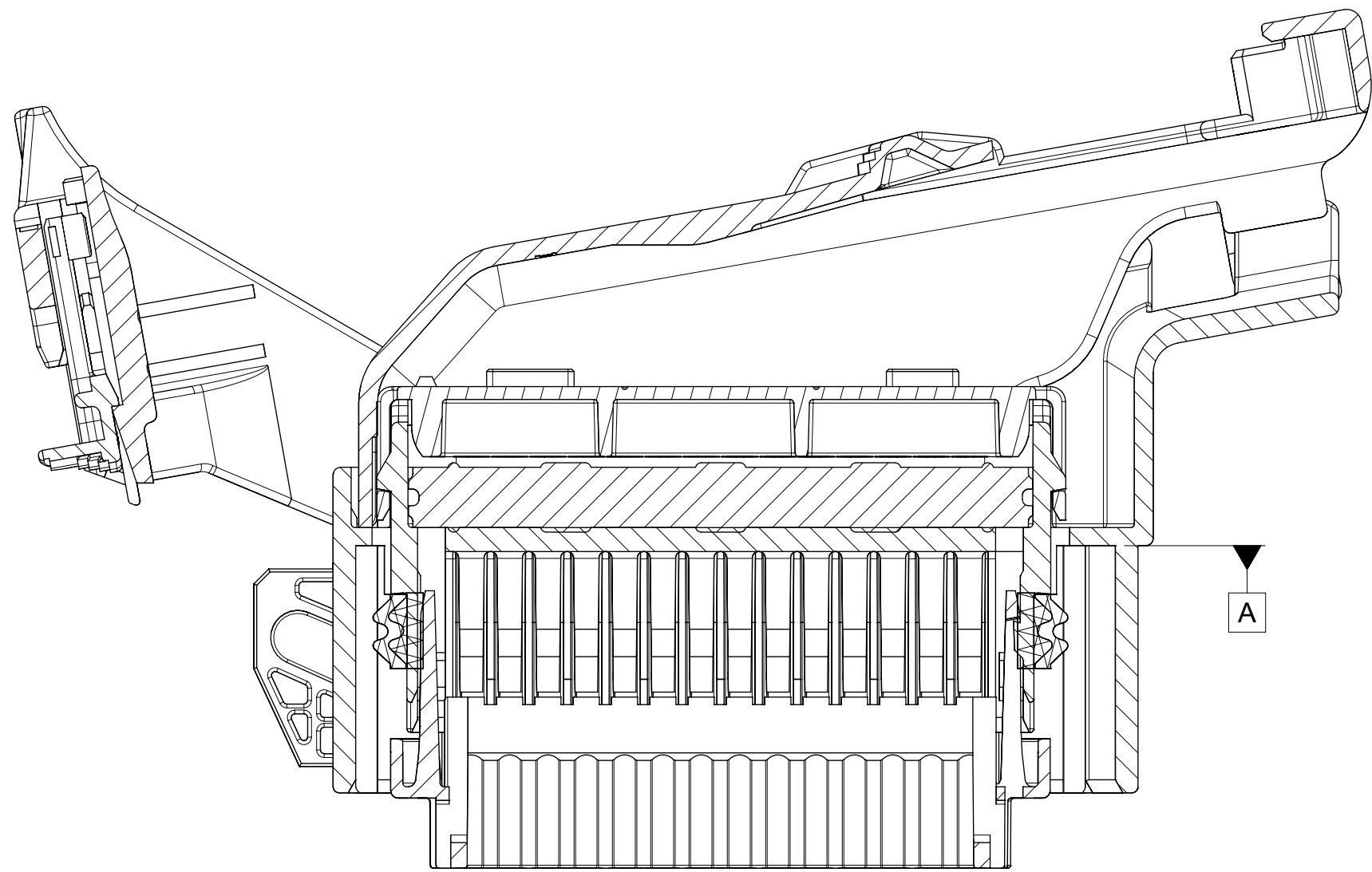
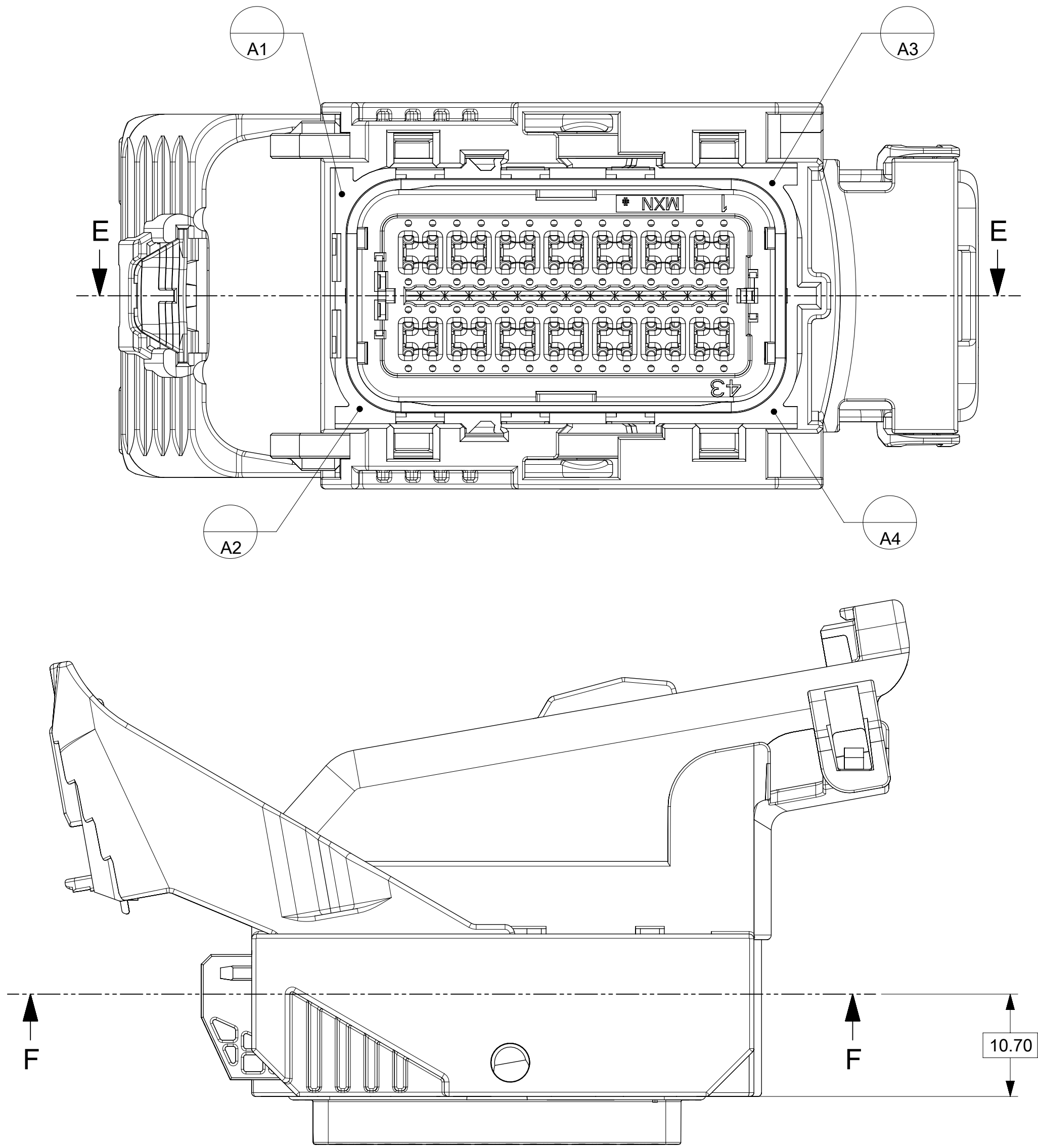
WIRE DRESS COVER
1600995007



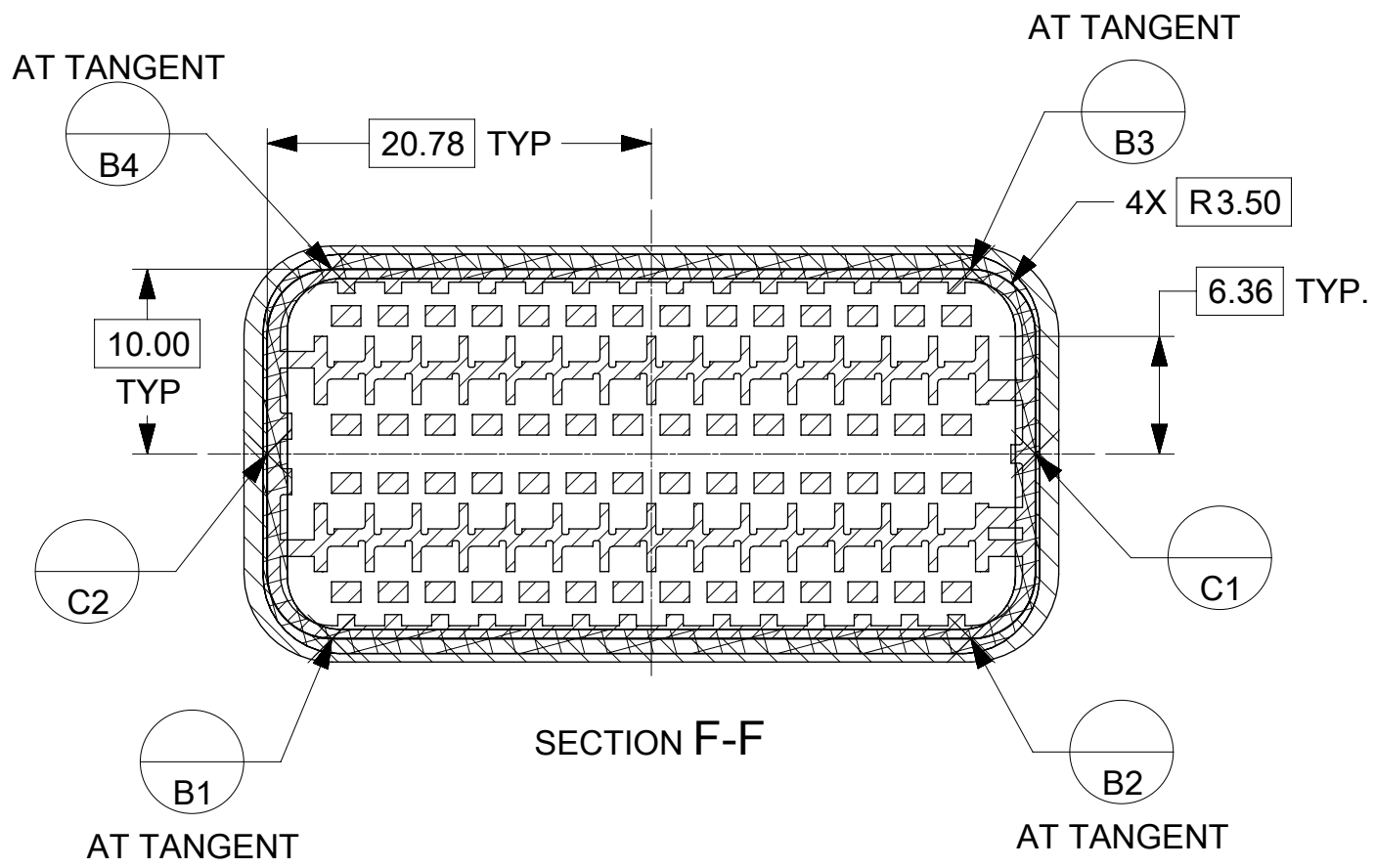
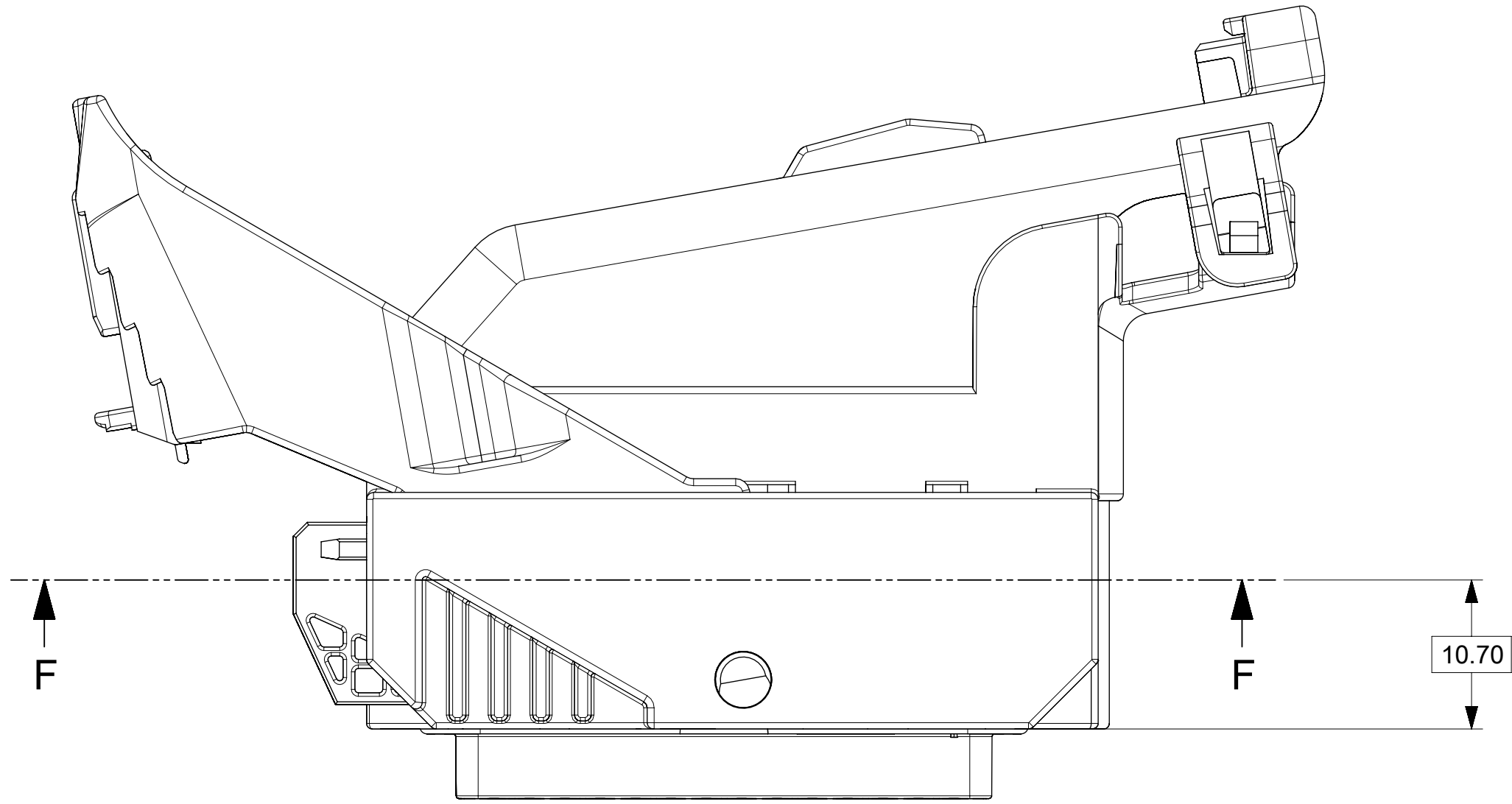
ASSEMBLED
W/ INTEGRAL COMPONENTS

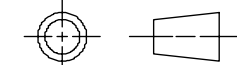
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		2 PLACES	±	CHK'D BY	DATE	PRODUCT CUSTOMER DRAWING											
		1 PLACE	±	SKRAJENDRANA	2017/04/03												
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SHEET DESCRIPTION	
DATUM TARGETS	



SECTION E-E

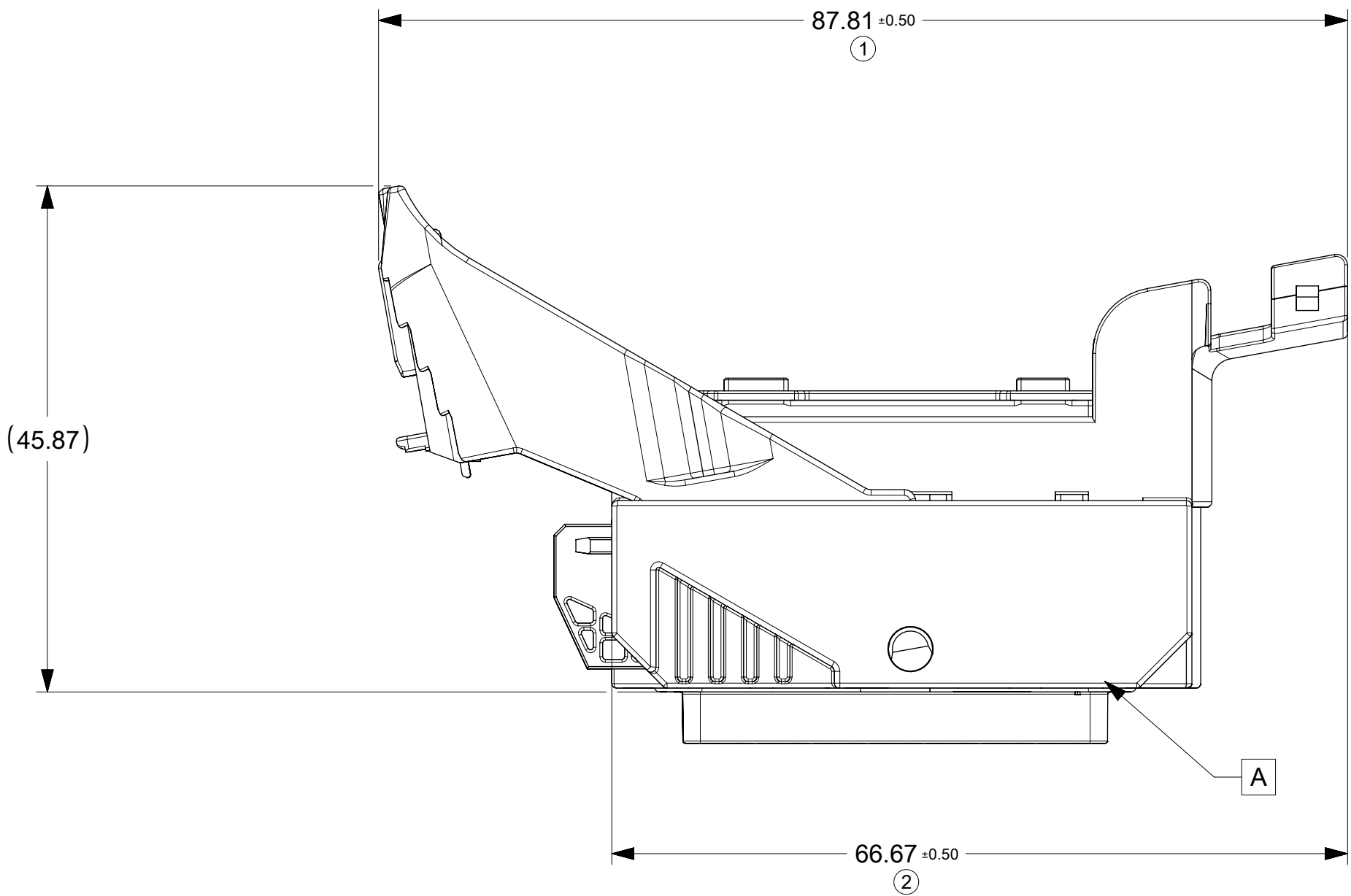


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	2021/11/16		ANGULAR TOL ± °	DRWN BY		DATE		SDC56 56CKT HRNS CONN ASSY								
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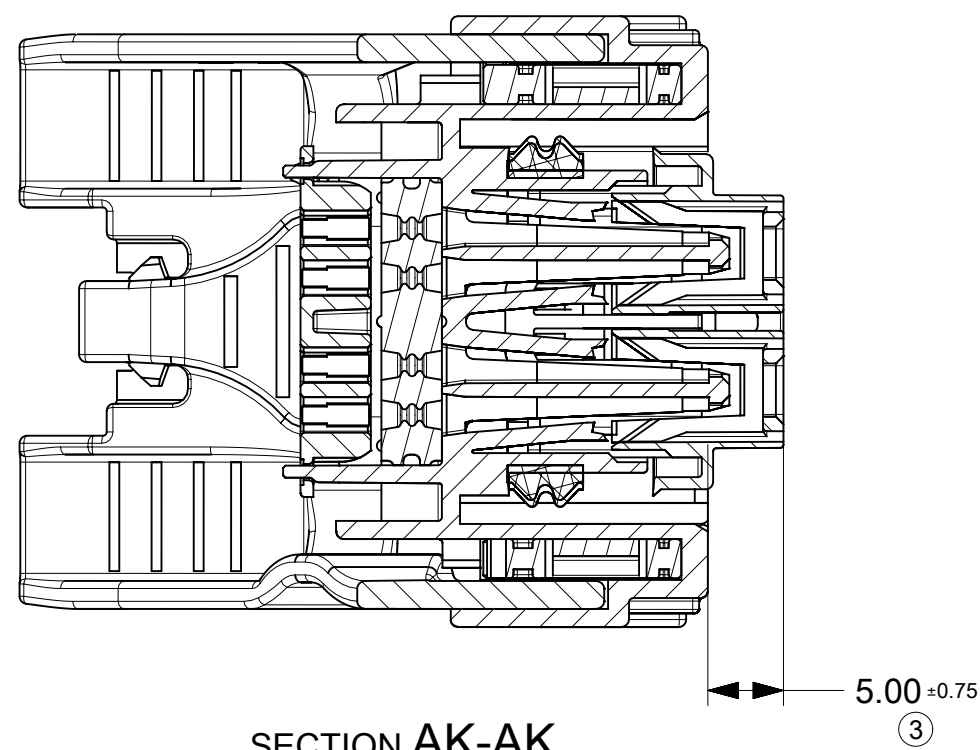
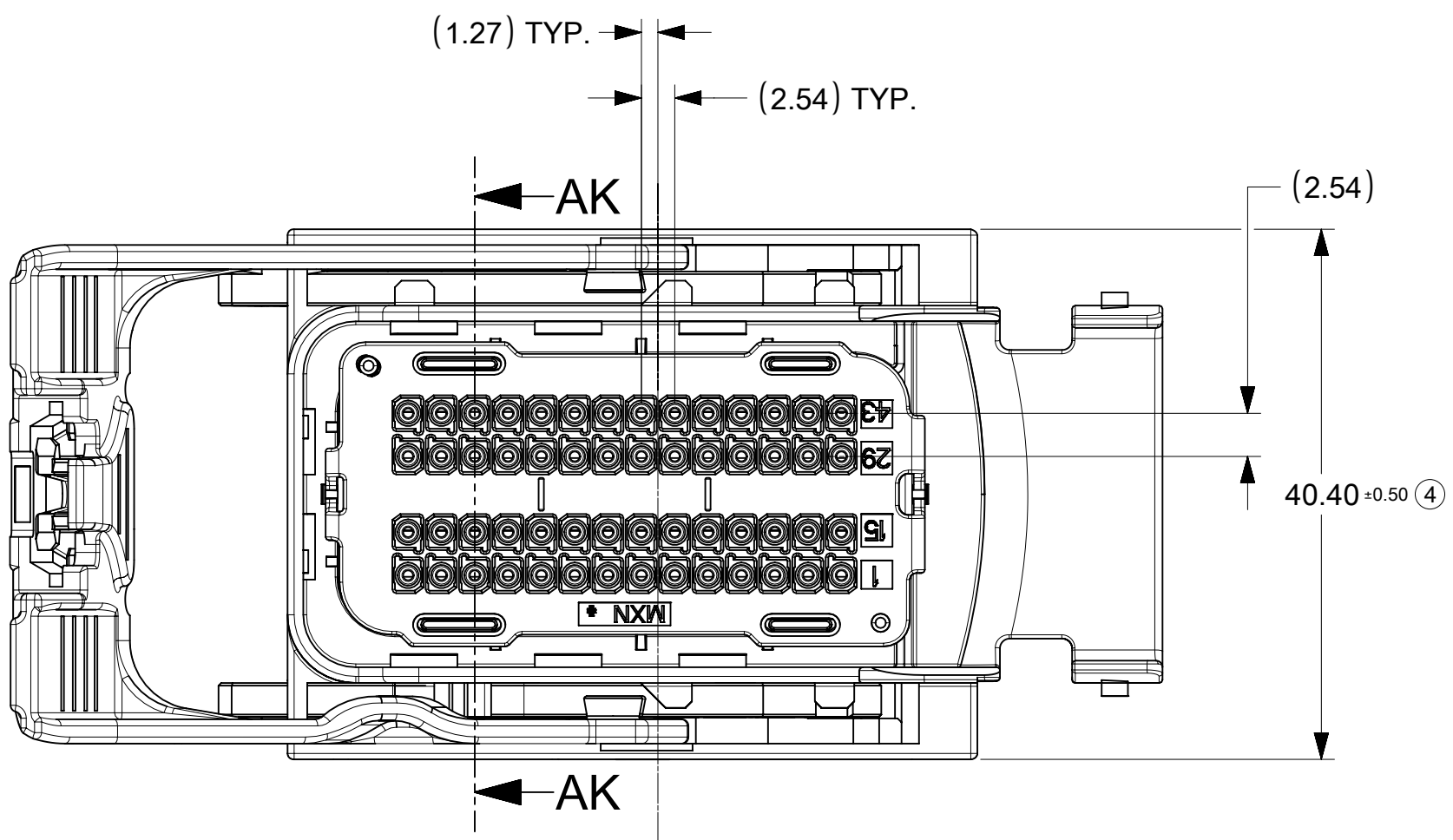
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SHEET DESCRIPTION

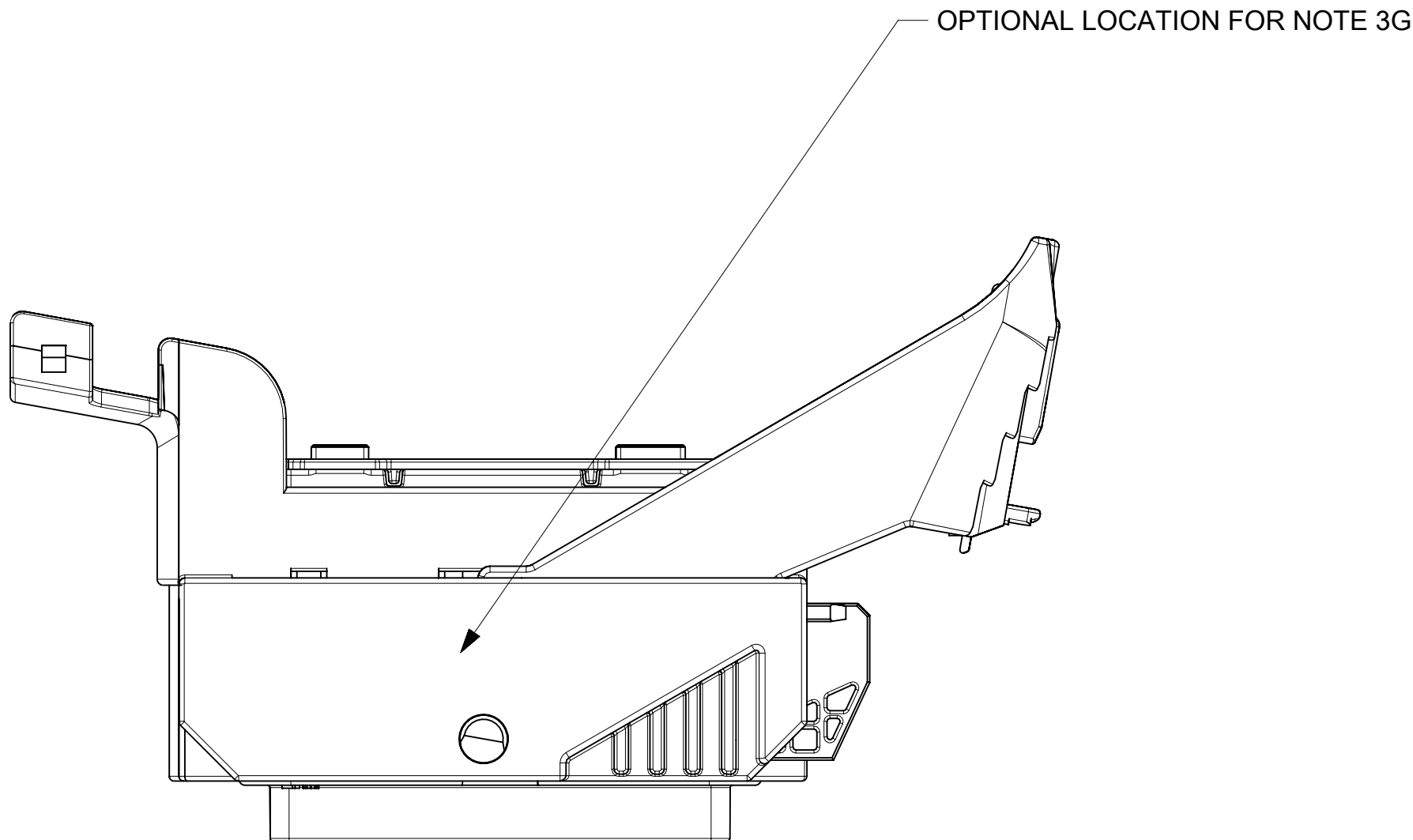
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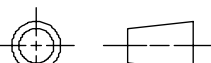


PRE LOCK



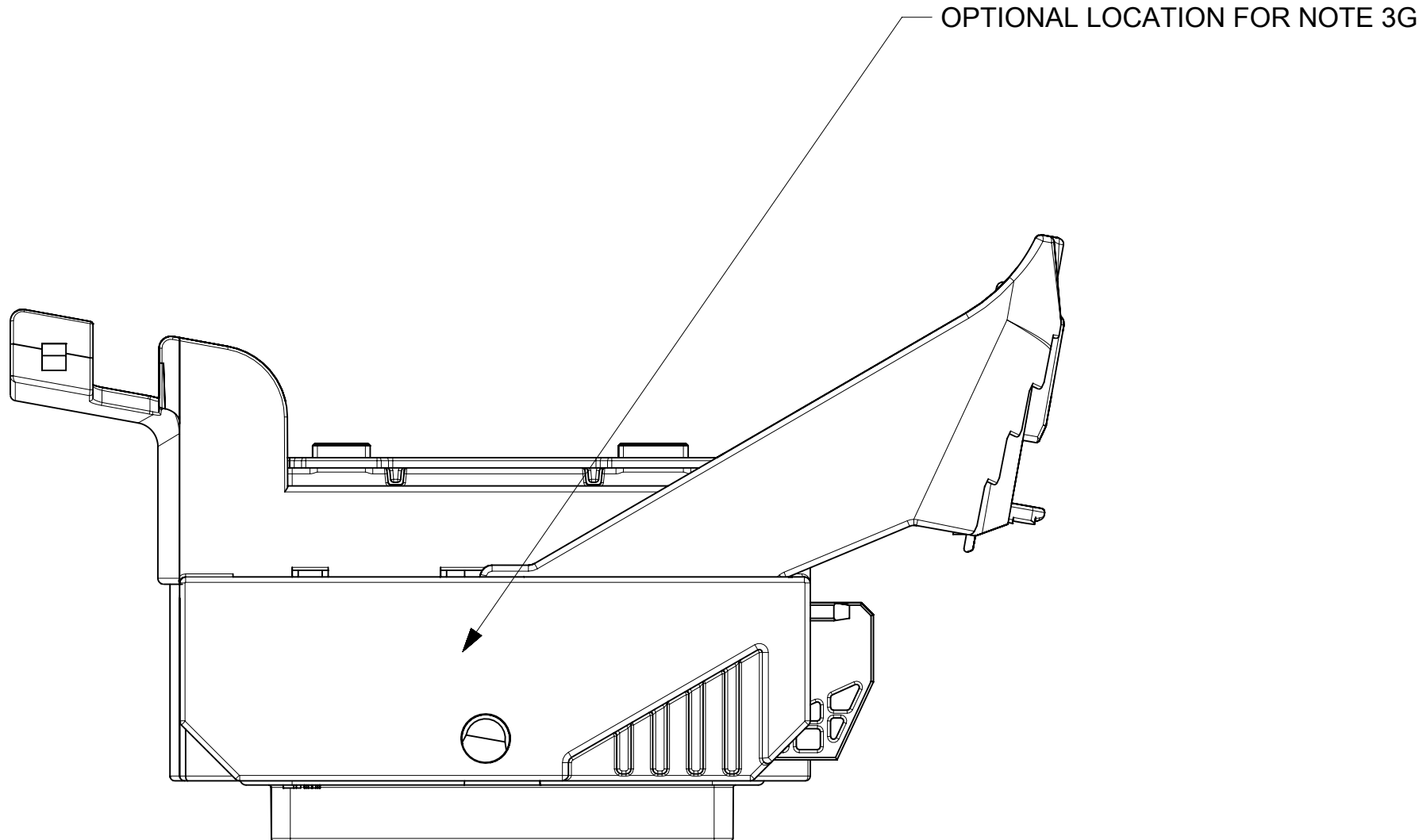
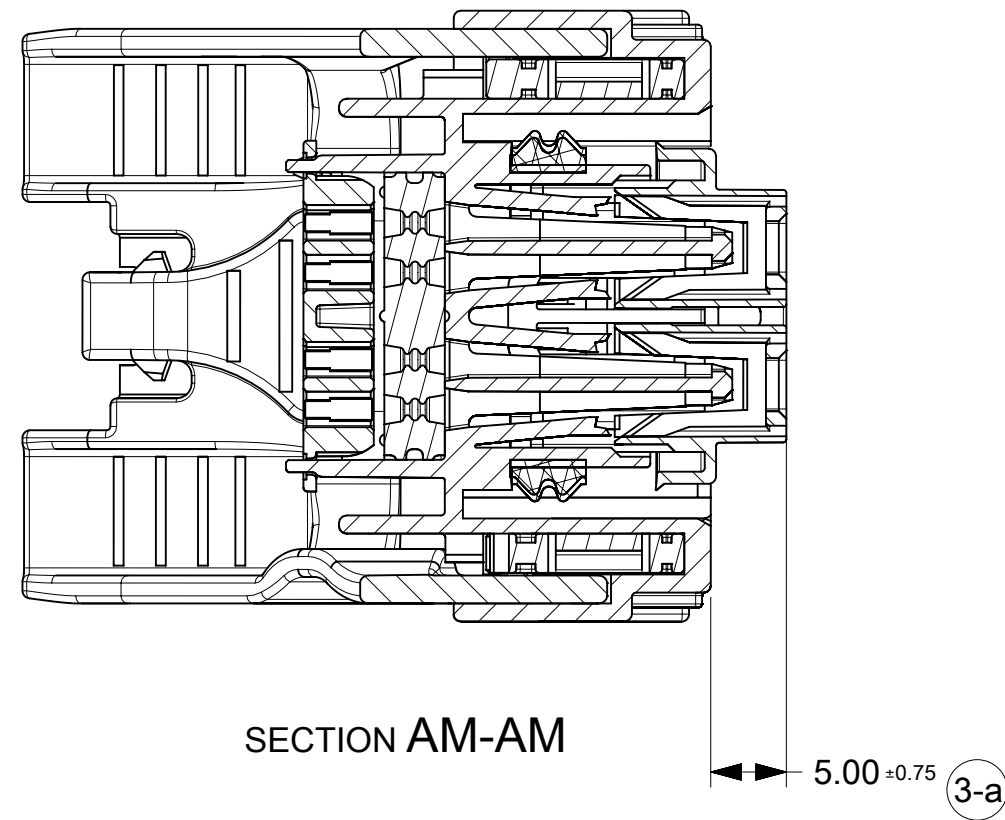
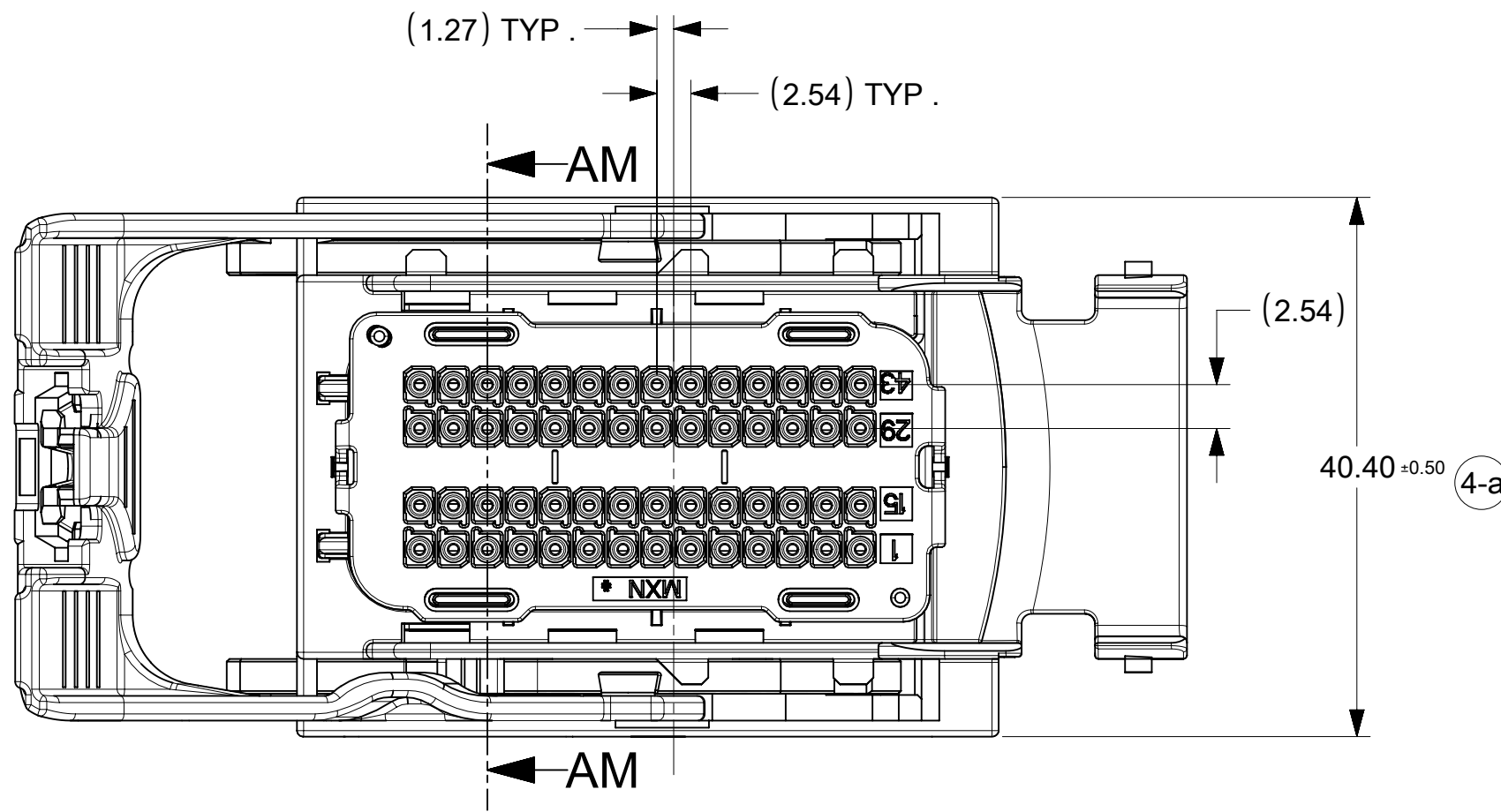
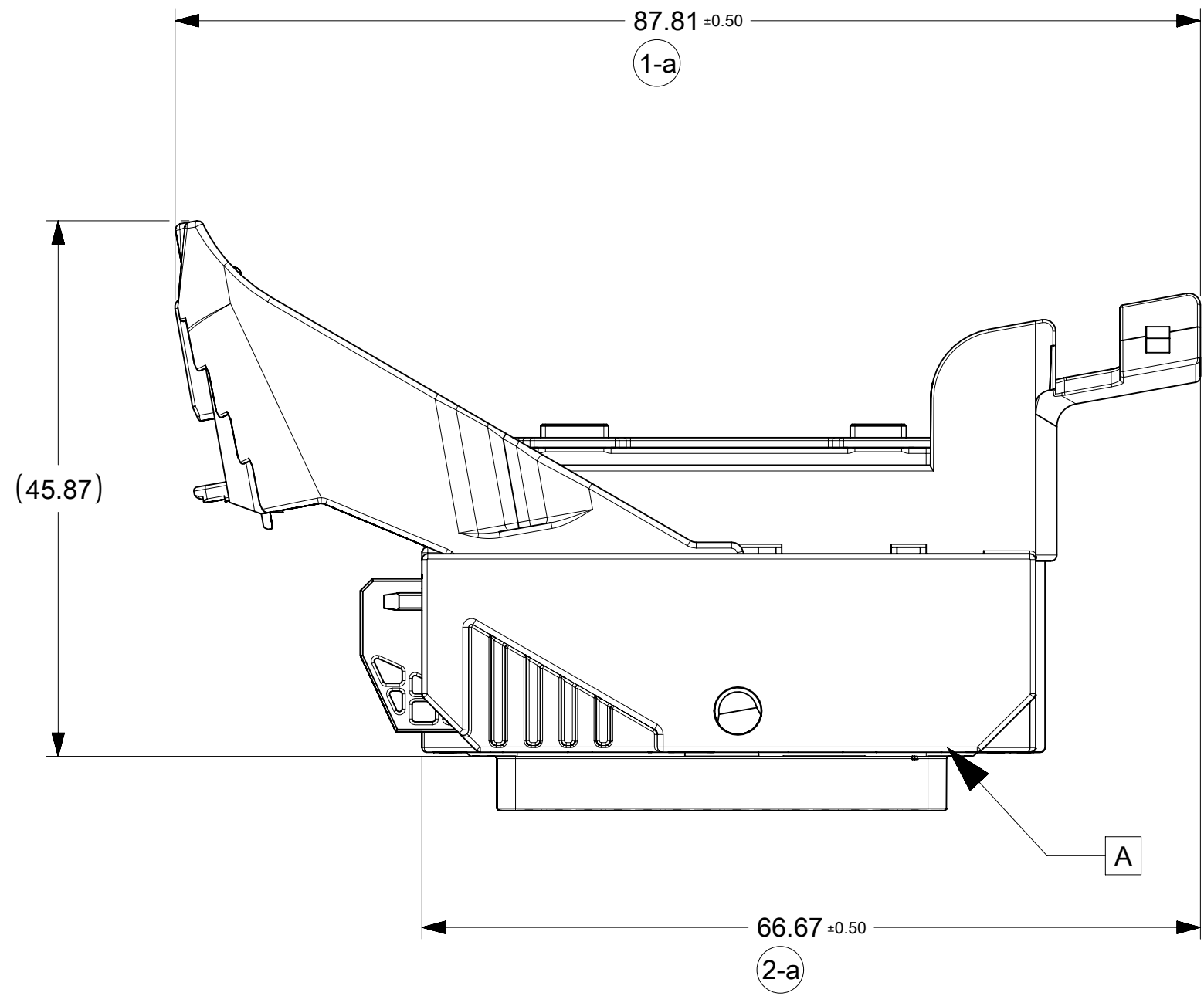
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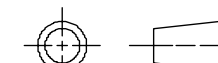


THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION														
EC NO: 685152 DRWN: HKANG03 CHKD: STTAN REV/ APPR: STTAN	2021/11/12 2021/11/16 2021/11/16	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION UNITS	SCALE	molex®								
				mm	2:1									
		ANGULAR TOL ± °		DRWN BY		DATE		SDC56 56CKT HRNS CONN ASSY						
		4 PLACES ±		APODDATURI		2017/04/03								
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							1600990001-SD		PSD		000		6 OF 17	

SHEET DESCRIPTION

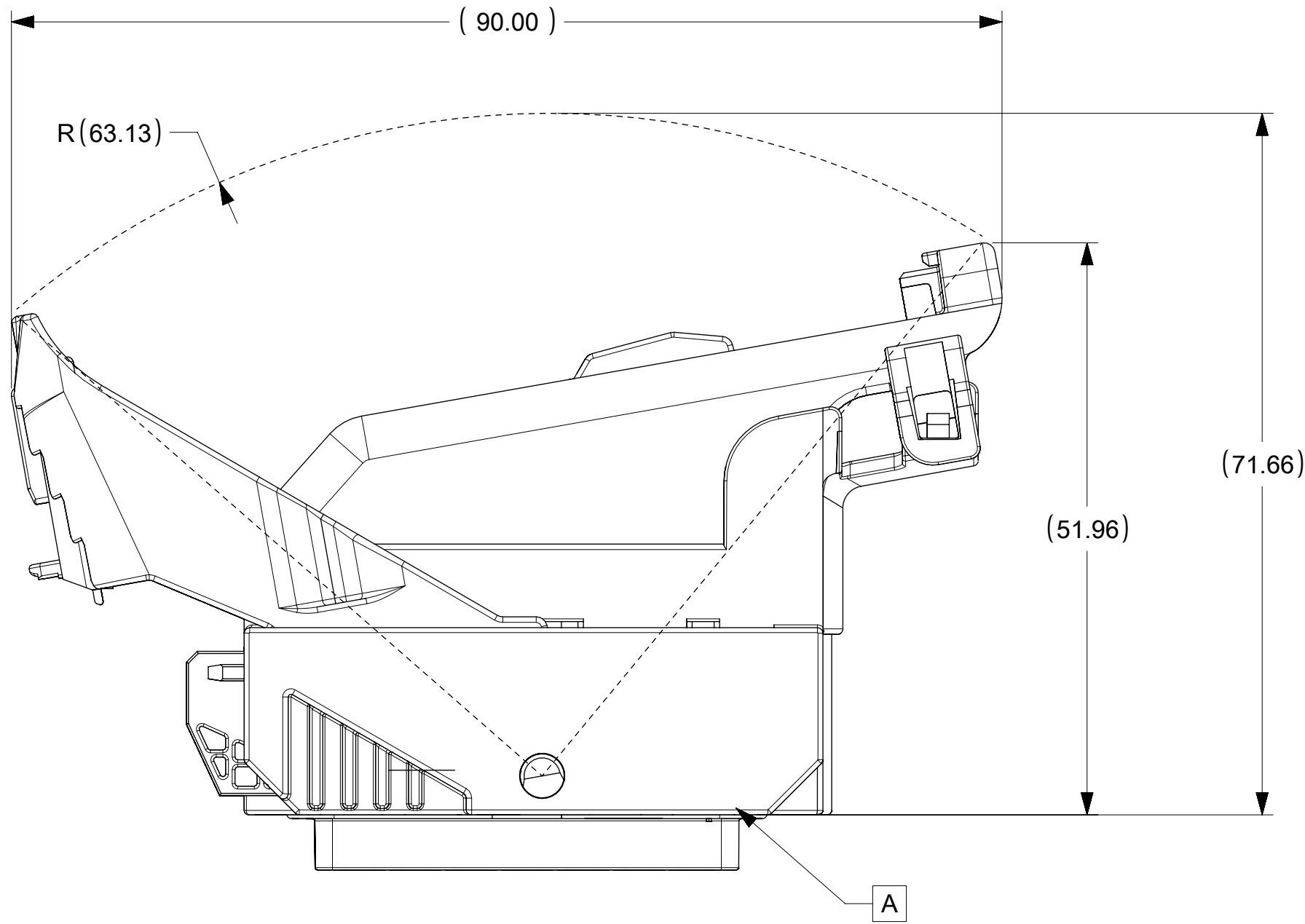
PACKAGING DIMENSIONS -TYPE 2



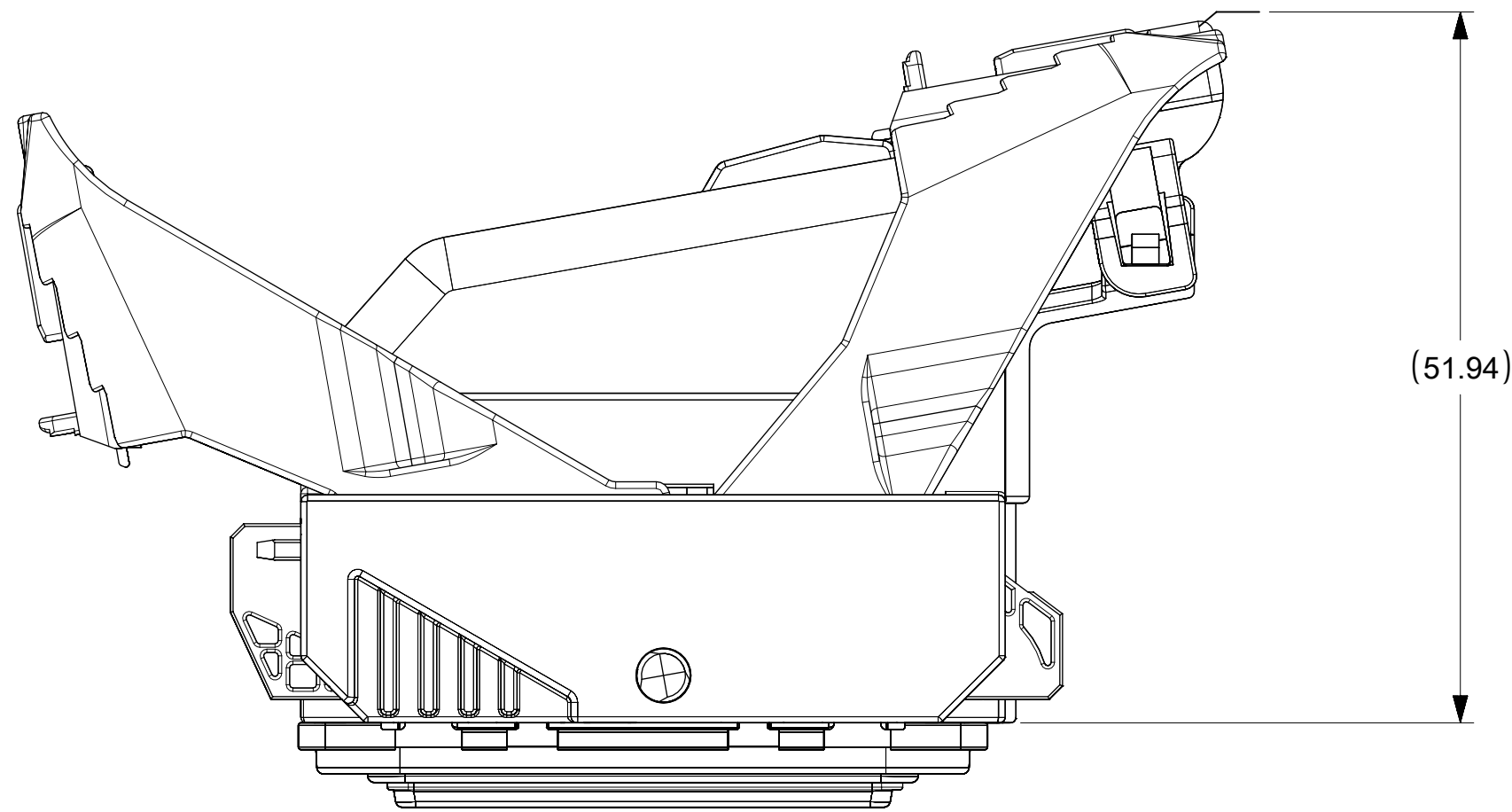
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SHEET DESCRIPTION

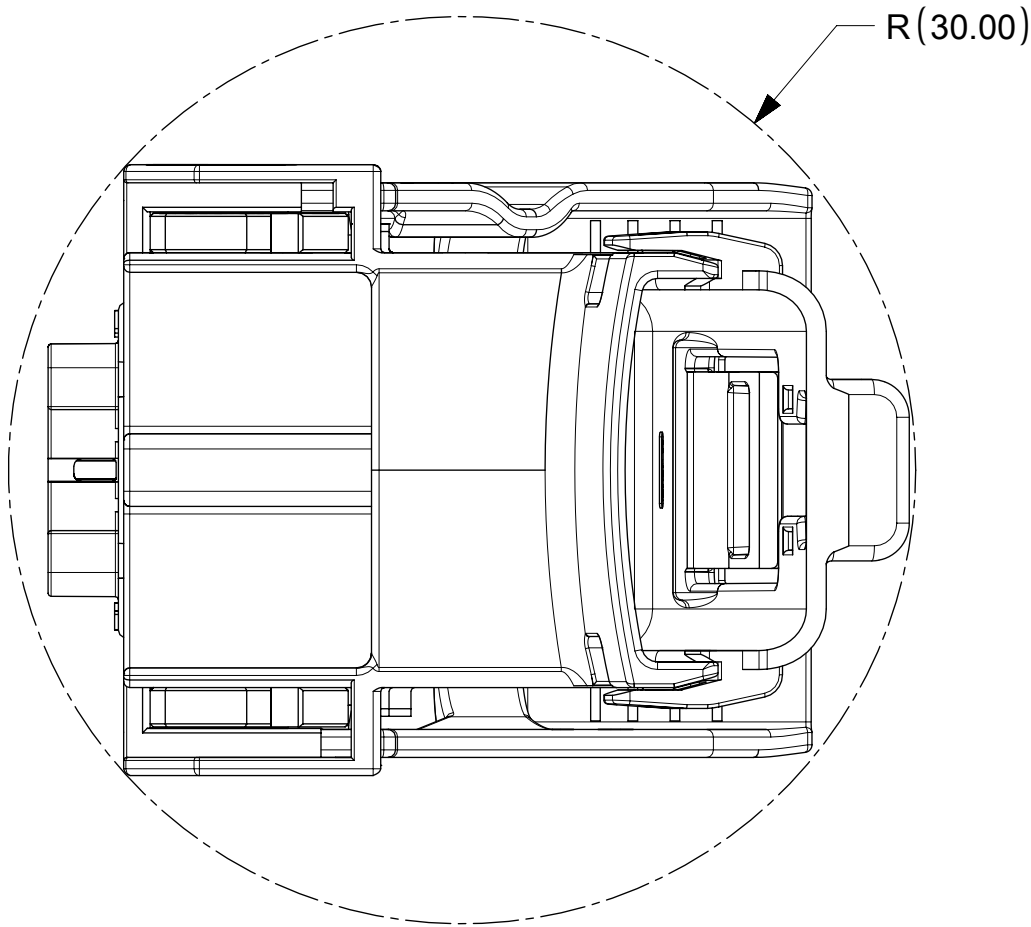
RECEPTACLE PACKAGING



PRE LOCK



FINAL LOCK

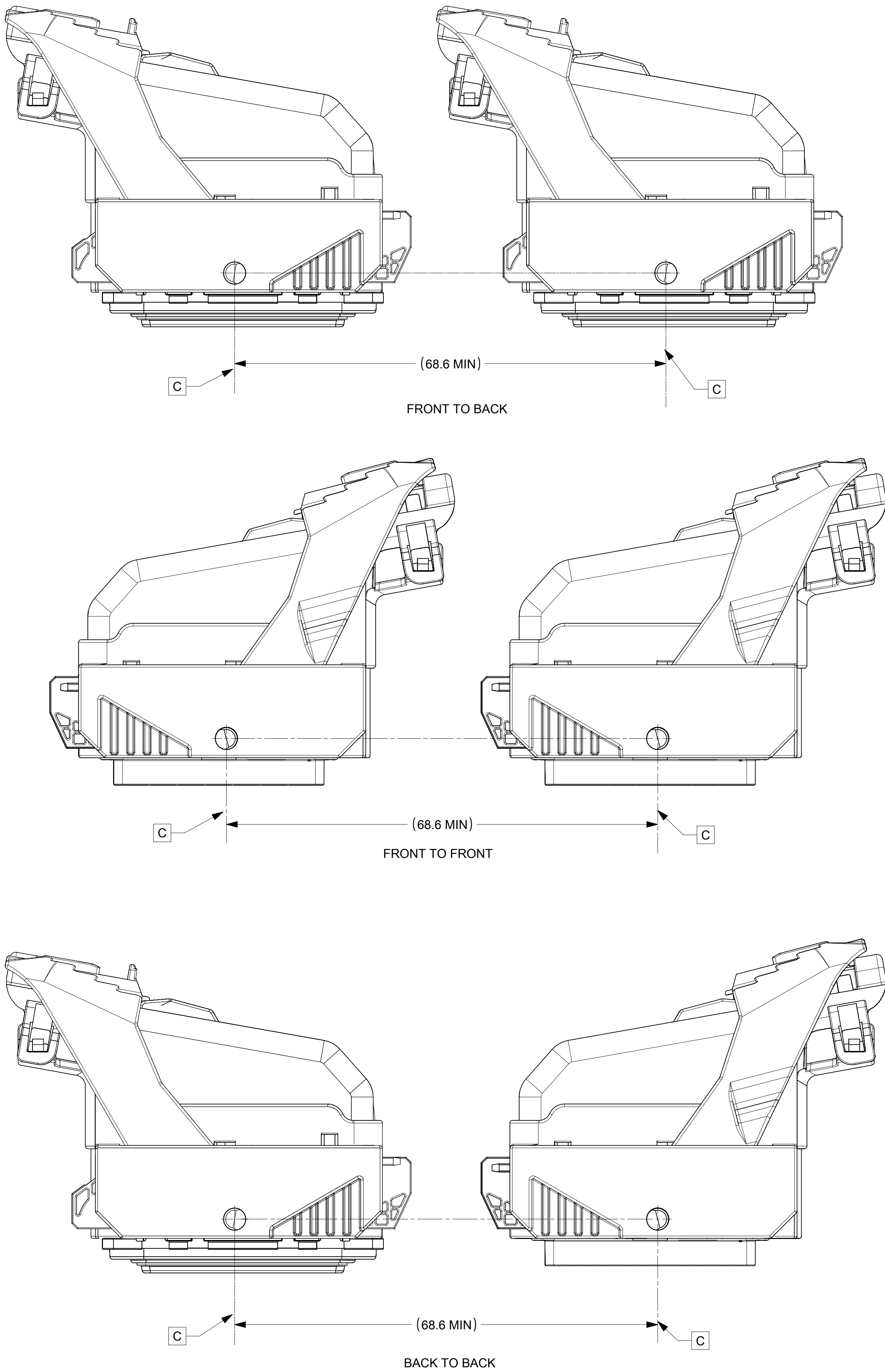


MINIMUM SIZE HOLE TO PASS THROUGH

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EC NO: 685152 DRWN: HKANG03 CHKD: STTAN APPR: STTAN	REV	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION UNITS	SCALE	molex® SDC56 56CKT HRNS CONN ASSY PRODUCT CUSTOMER DRAWING	
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		1 PLACE	±	APPR BY	DATE		
		0 PLACES	±	VKOSHY	2017/06/06		
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		DRAWING SIZE	THIRD ANGLE PROJECTION		SERIES	MATERIAL NUMBER	CUSTOMER
A8	A1			160099			
				DOCUMENT NUMBER	DOC TYPE	DOC PART	SHEET NUMBER
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SHEET DESCRIPTION			
RECEPTACLE PACKAGING			



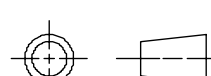
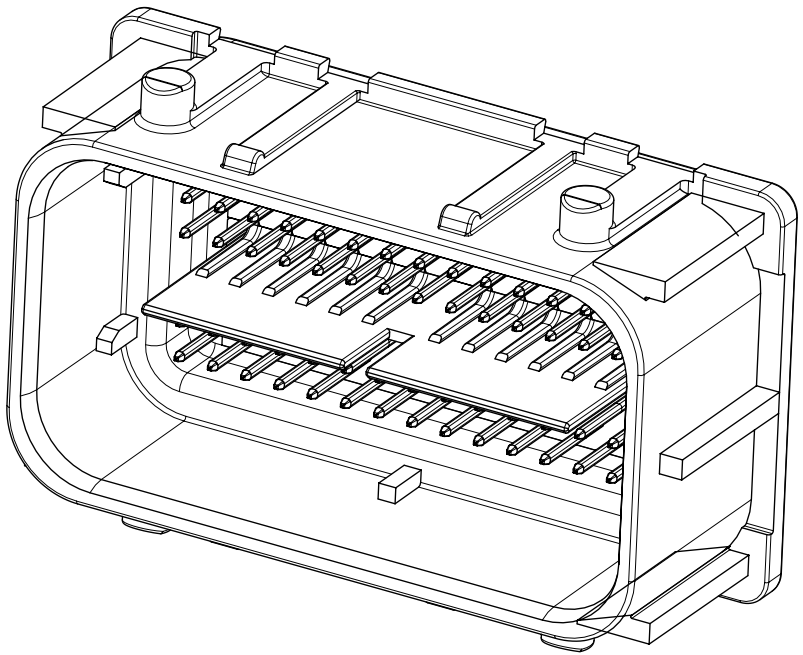
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	2021/11/16		mm		5:1											
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			3 PLACES ±		CHK'D BY		DATE									
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			0 PLACES ±		VKOSHY		2017/06/06		SERIES		MATERIAL NUMBER			CUSTOMER		
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		DRAWING SIZE		THIRD ANGLE PROJECTION		160099							
	A8		REV/	A1				DOCUMENT NUMBER		1600990001-SD		DOC TYPE		DOC PART		SHEET NUMBER
										PSD		000		9 OF 17		

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	



SCALE 2:1

NOTES: VALID UNLESS OTHERWISE SPECIFIED

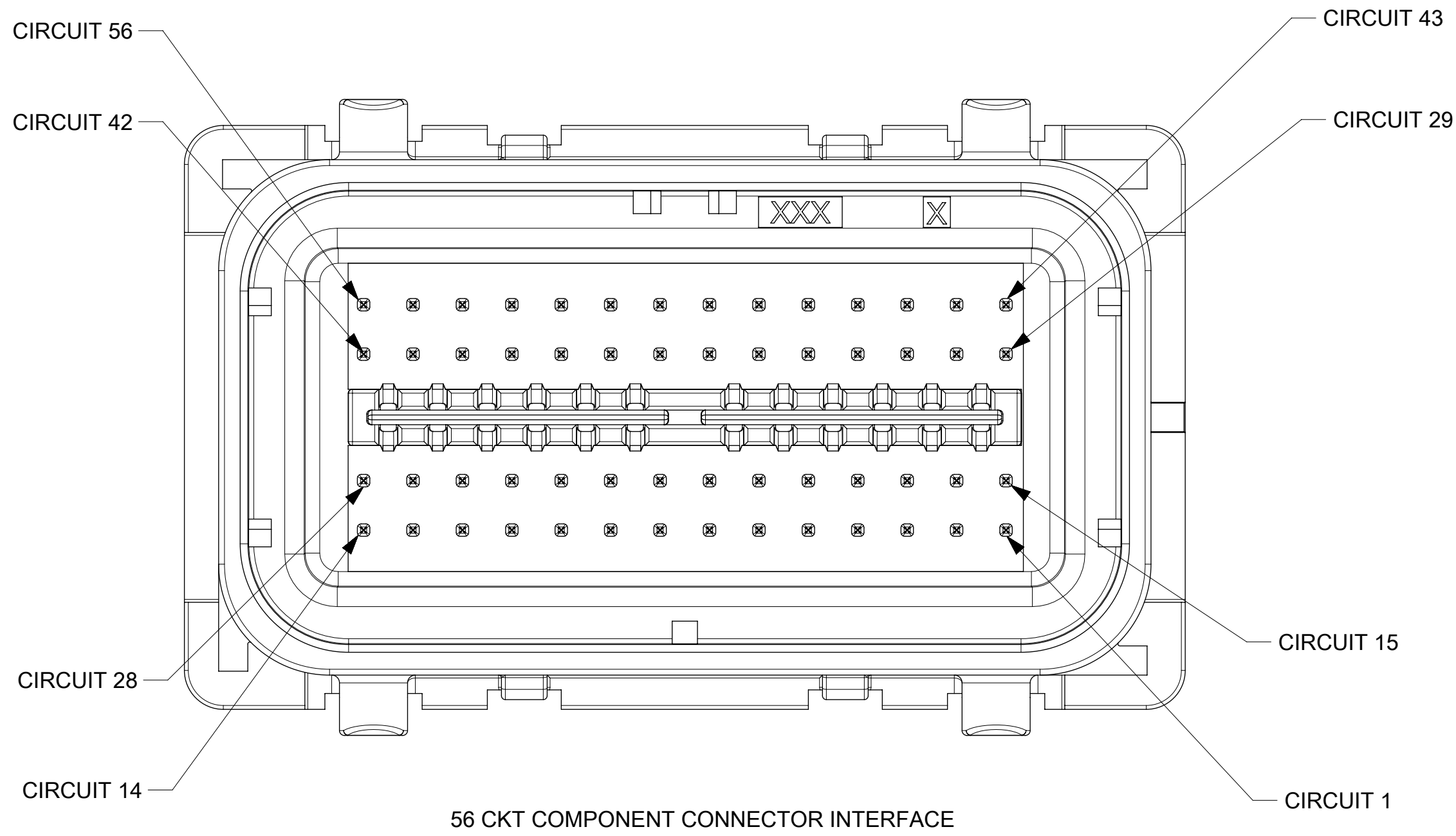
1. GENERAL:
- a. FLAMMABILITY REQUIREMENT: PER ISO3795 OR GM3191
1. BURN RATE 100mm/MIN MAXIMUM
2. MATERIAL MUST BE SELF EXTINGUISHING
- b. REFER TO "SAE/USCAR 12 CONNECTOR GUIDELINES" FOR ADDITIONAL REQUIREMENTS.
2. DESIGN - MATERIALS:
- a. HOUSING: SPS/NYLON 30% GLASS FILLED OR EQUIVALENT
- b. BLADE 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

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION													
EC NO: 685162 DRWN: HKANG03 CHKD: STTAN APPR: STTAN	2021/11/12	GENERAL TOLERANCES (UNLESS SPECIFIED)	DIMENSION UNITS	SCALE	molex®								
	2021/11/16		mm	2:1									
	2021/11/16		ANGULAR TOL ± °	DRWN BY	DATE	SDC56 56CKT HRNS CONN ASSY							
			4 PLACES ±	APODDATURI	2017/04/03								
			3 PLACES ±	CHK'D BY	DATE								
			2 PLACES ±	SKRAJENDRANA	2017/04/03								
			1 PLACE ±	APPR BY	DATE	SERIES MATERIAL NUMBER CUSTOMER							
			0 PLACES ±	VKOSHY	2017/06/06								
			DRAWING WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	DRAWING SIZE	THIRD ANGLE PROJECTION								
	A8		REV	A1		1600990001-SD PSD 000 10 OF 17							

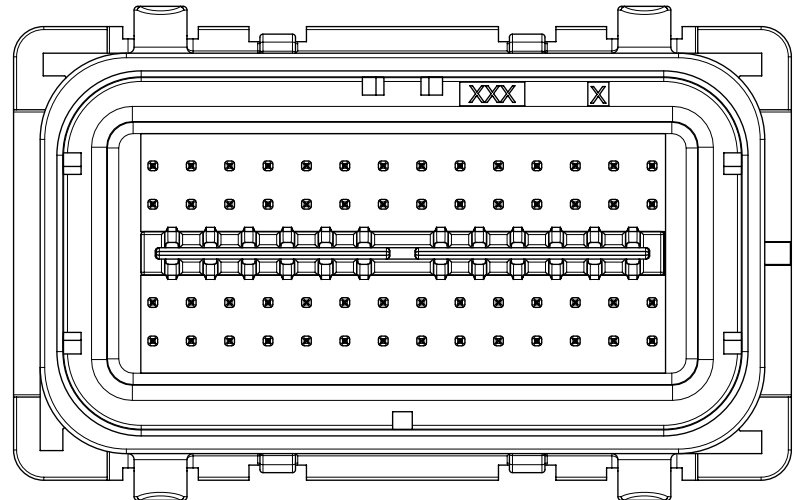
SHEET DESCRIPTION
CONFIGURATIONS



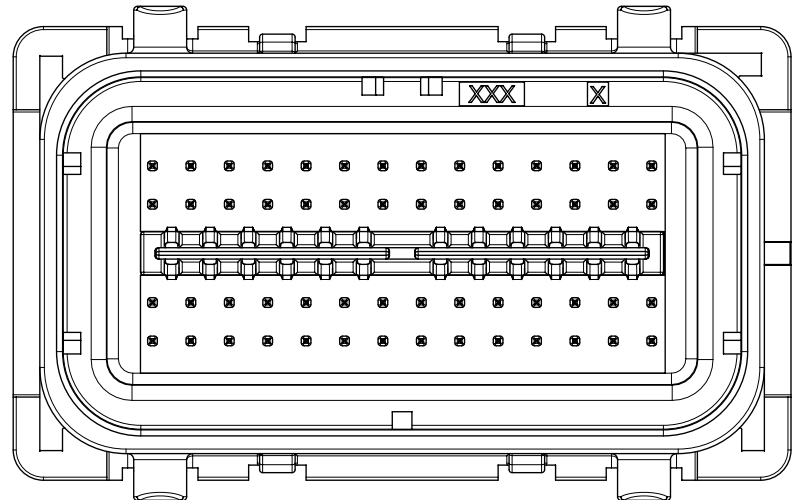
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

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				mm		1:1									
		ANGULAR TOL ± °		DRWN BY		DATE		SDC56 56CKT HRNS CONN ASSY							
		4 PLACES ±		APODDATURI		2017/04/03									
		3 PLACES ±		CHK'D BY		DATE		PRODUCT CUSTOMER DRAWING							
		2 PLACES ±		SKRAJENDRANA		2017/04/03									
		1 PLACE ±		APPR BY		DATE		SERIES MATERIAL NUMBER CUSTOMER							
		0 PLACES ±		VKOSHY		2017/06/06									
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		DRAWING SIZE		THIRD ANGLE PROJECTION						160099			
		A8	REV			A1				DOCUMENT NUMBER		DOC TYPE		DOC PART	
								1600990001-SD		PSD		000		11 OF 17	

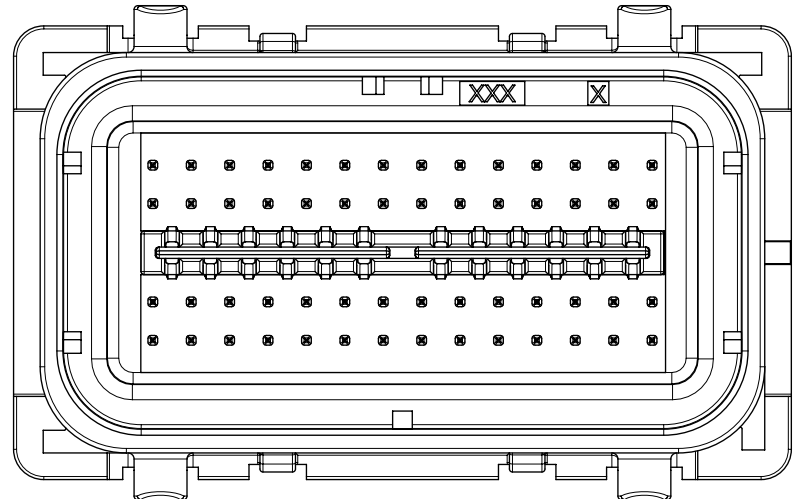
SHEET DESCRIPTION
POLARIZATION



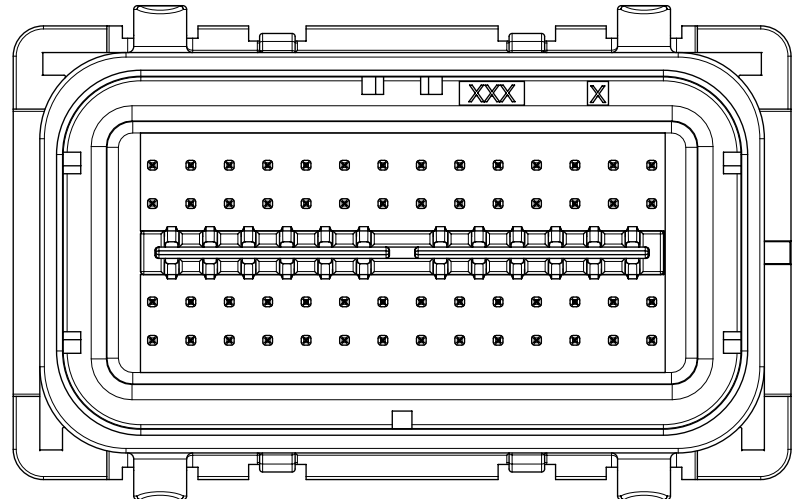
KEY OPTION "G"
(BLUE)



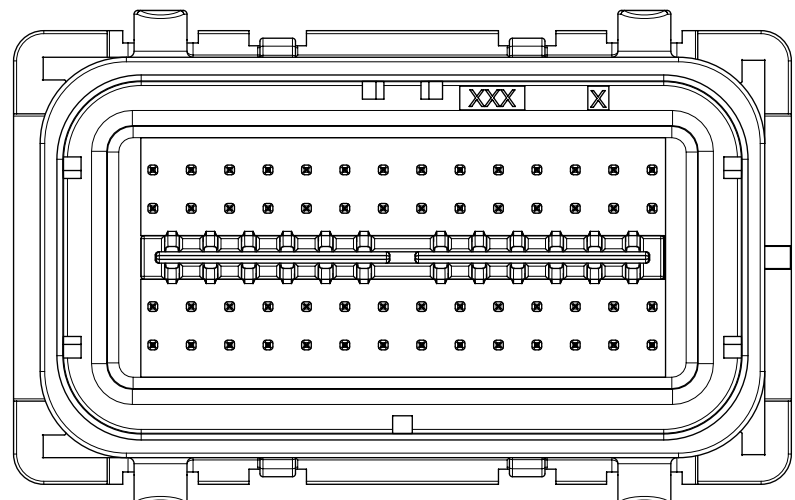
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(GREEN)



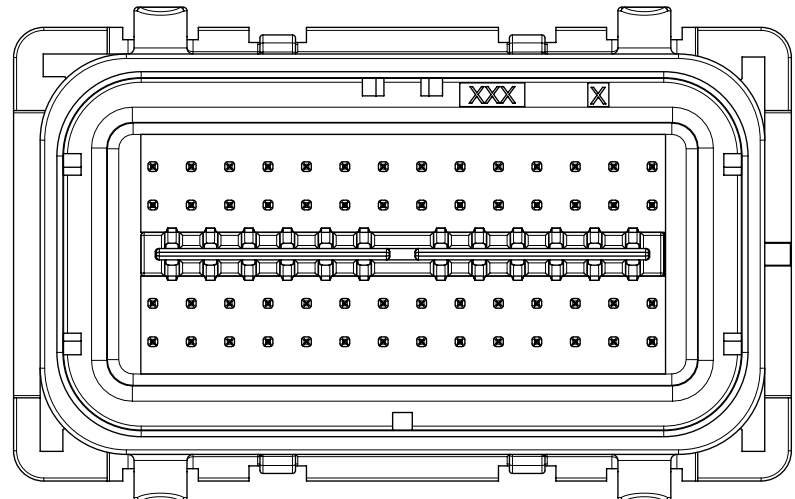
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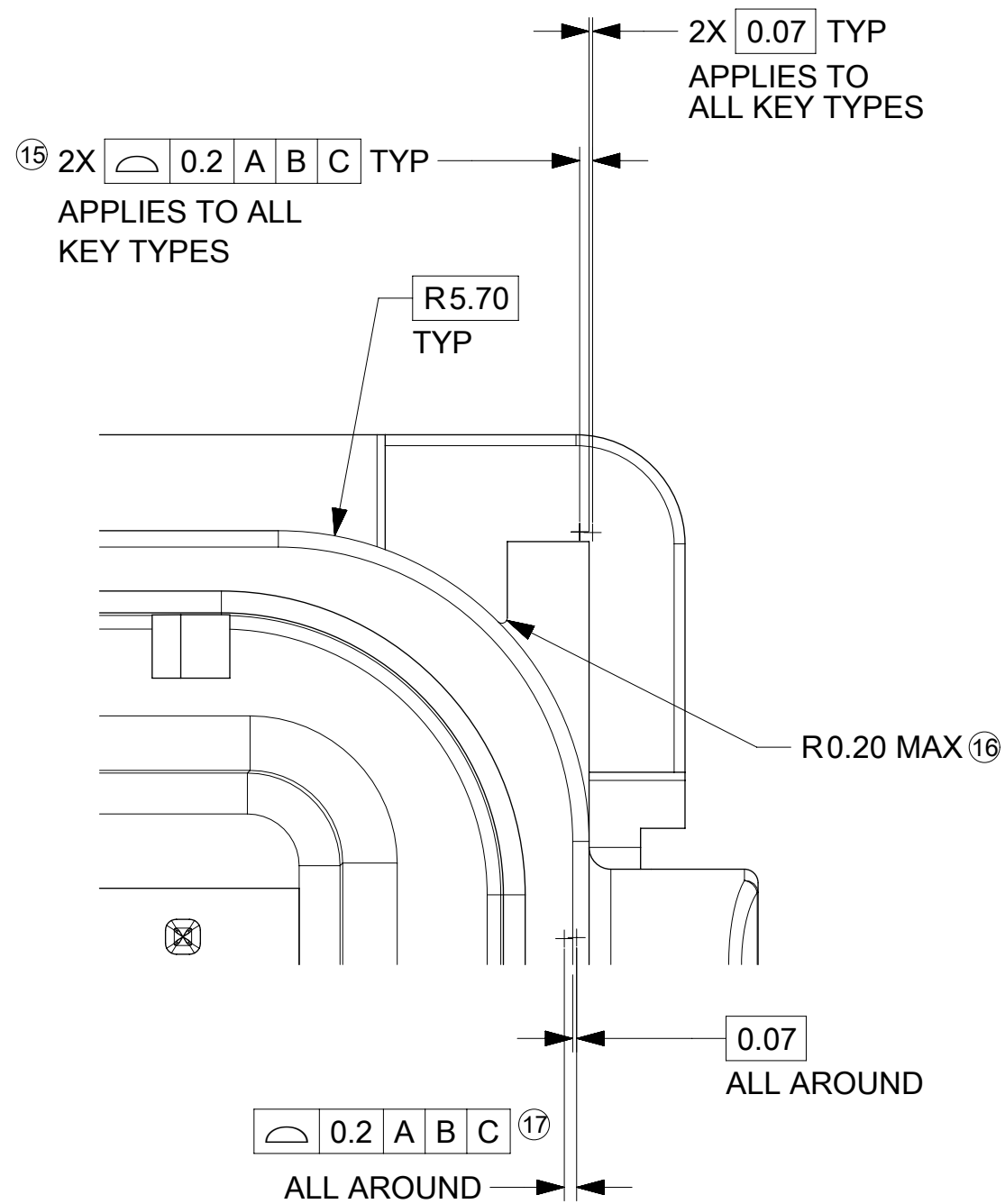
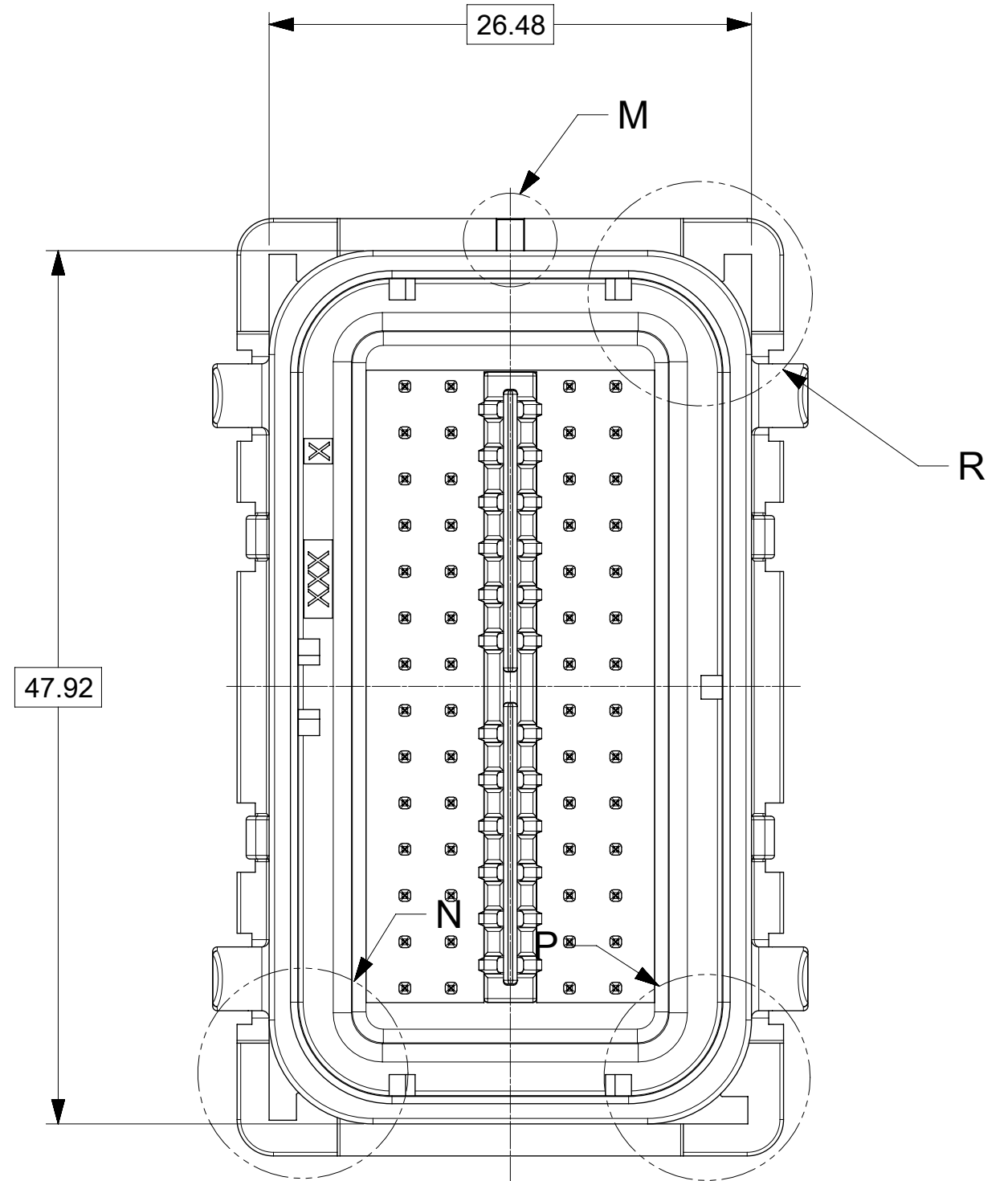
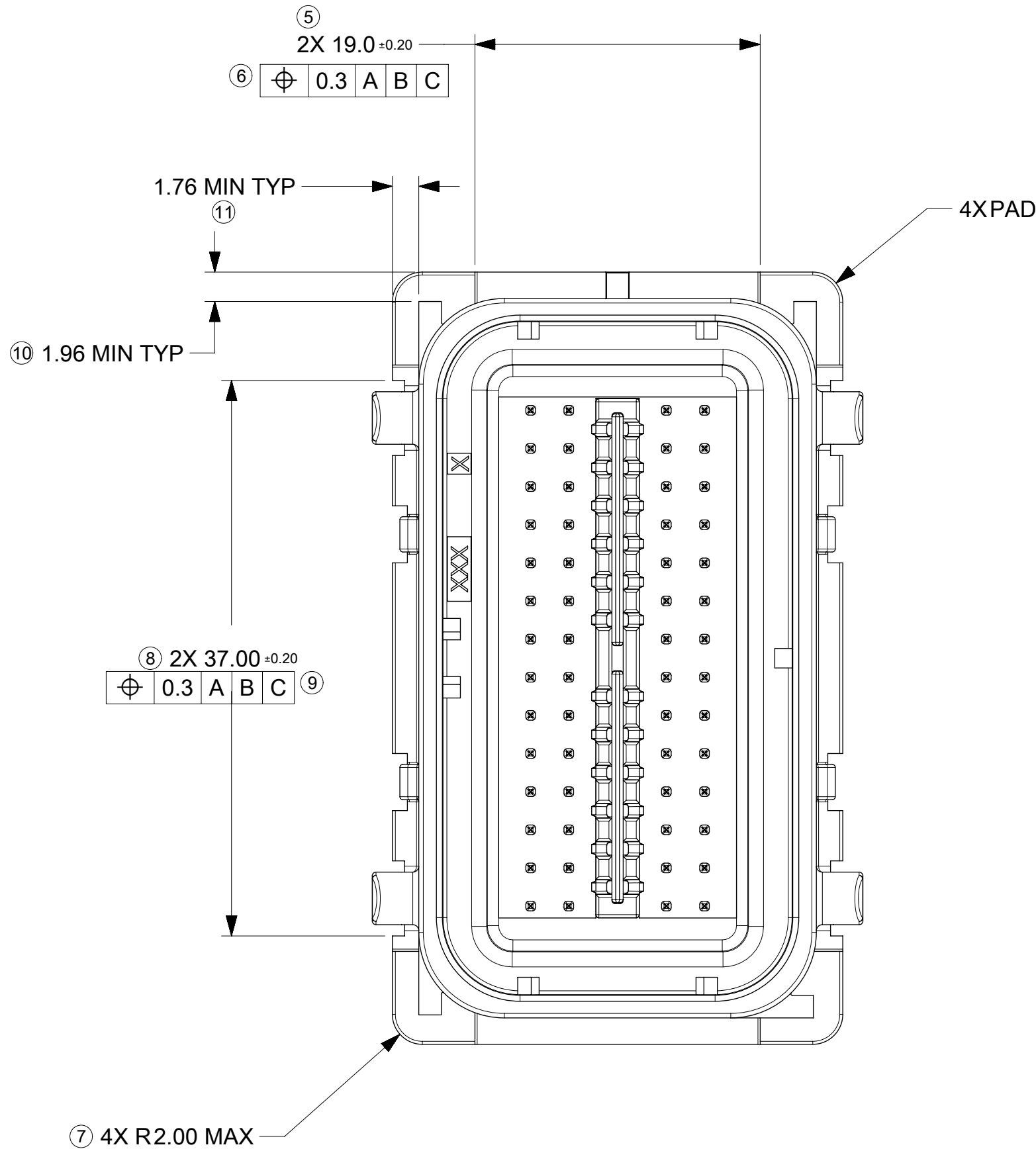
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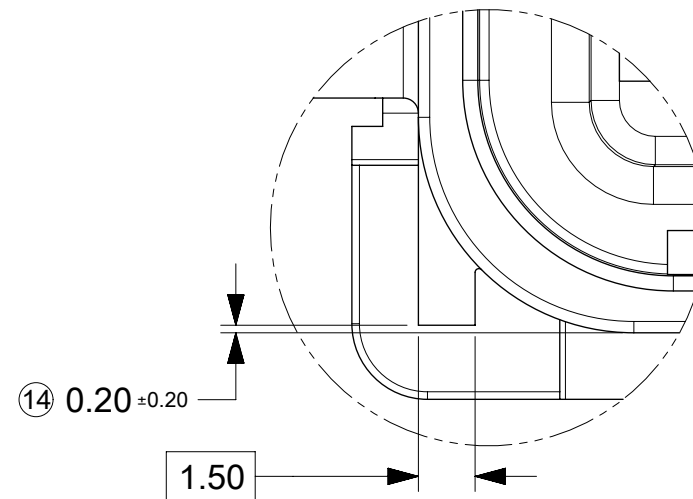
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(BLACK)



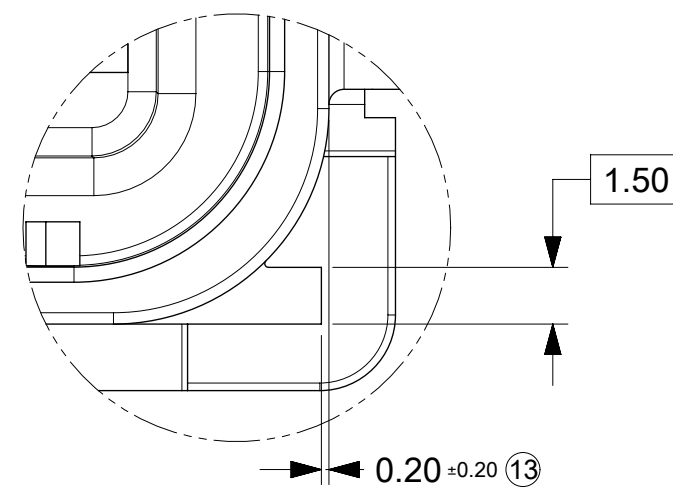
KEY OPTION "K"
(BROWN)



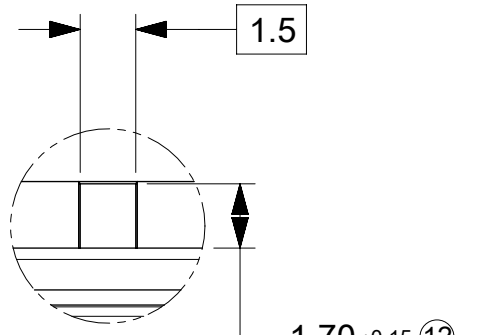
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SCALE 8:1



DETAIL N
SCALE 5:1

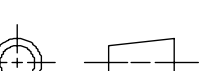


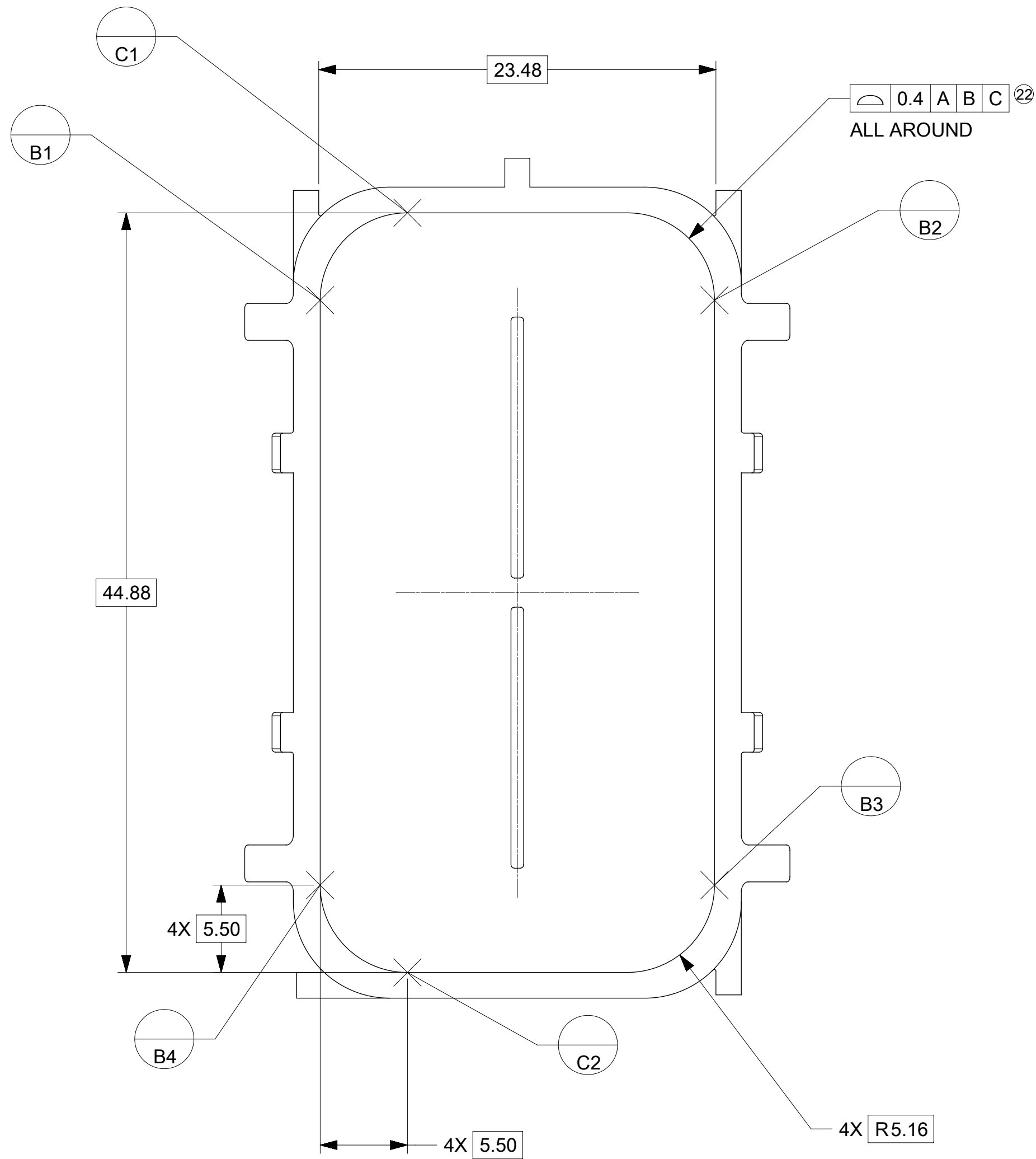
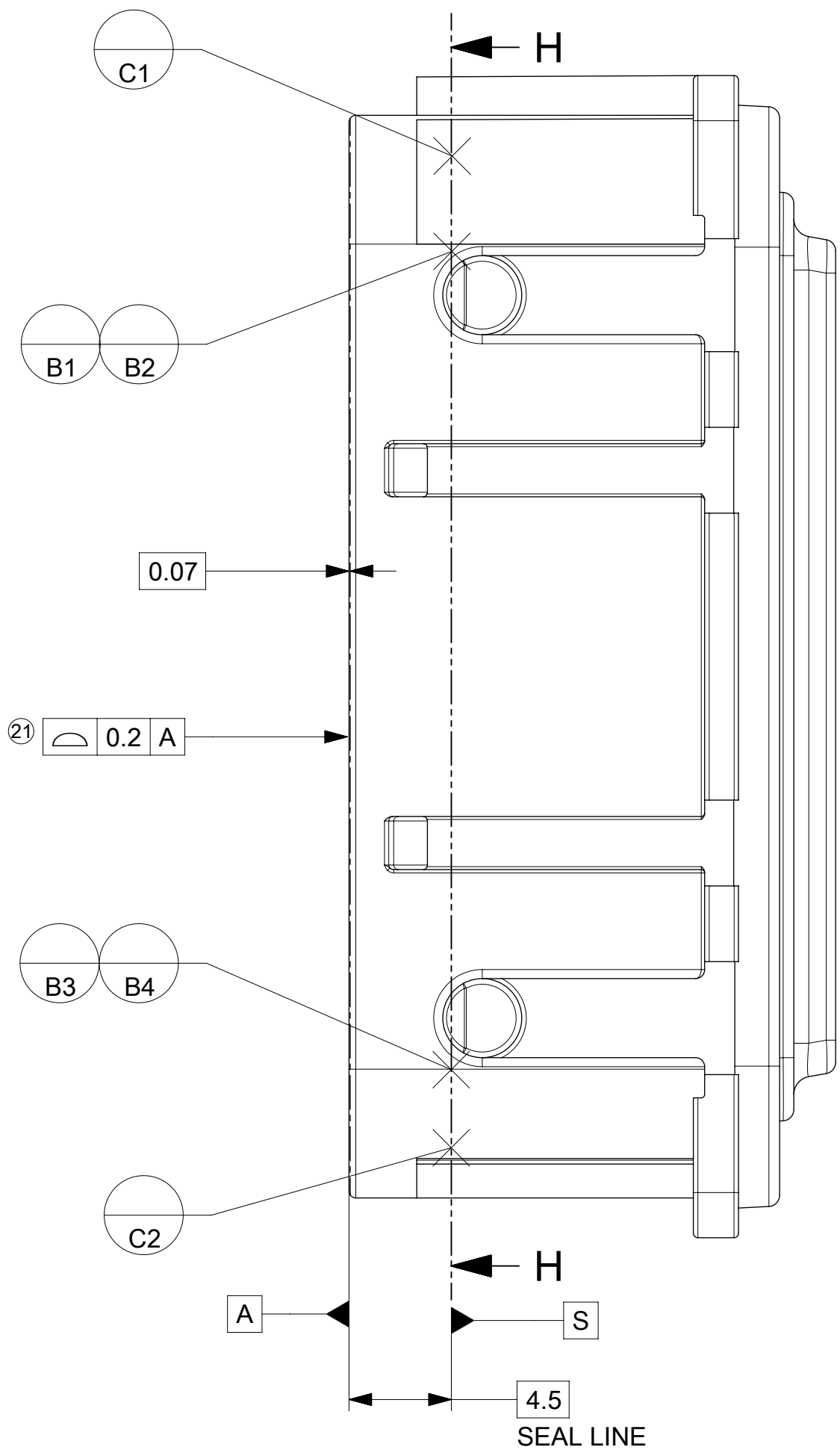
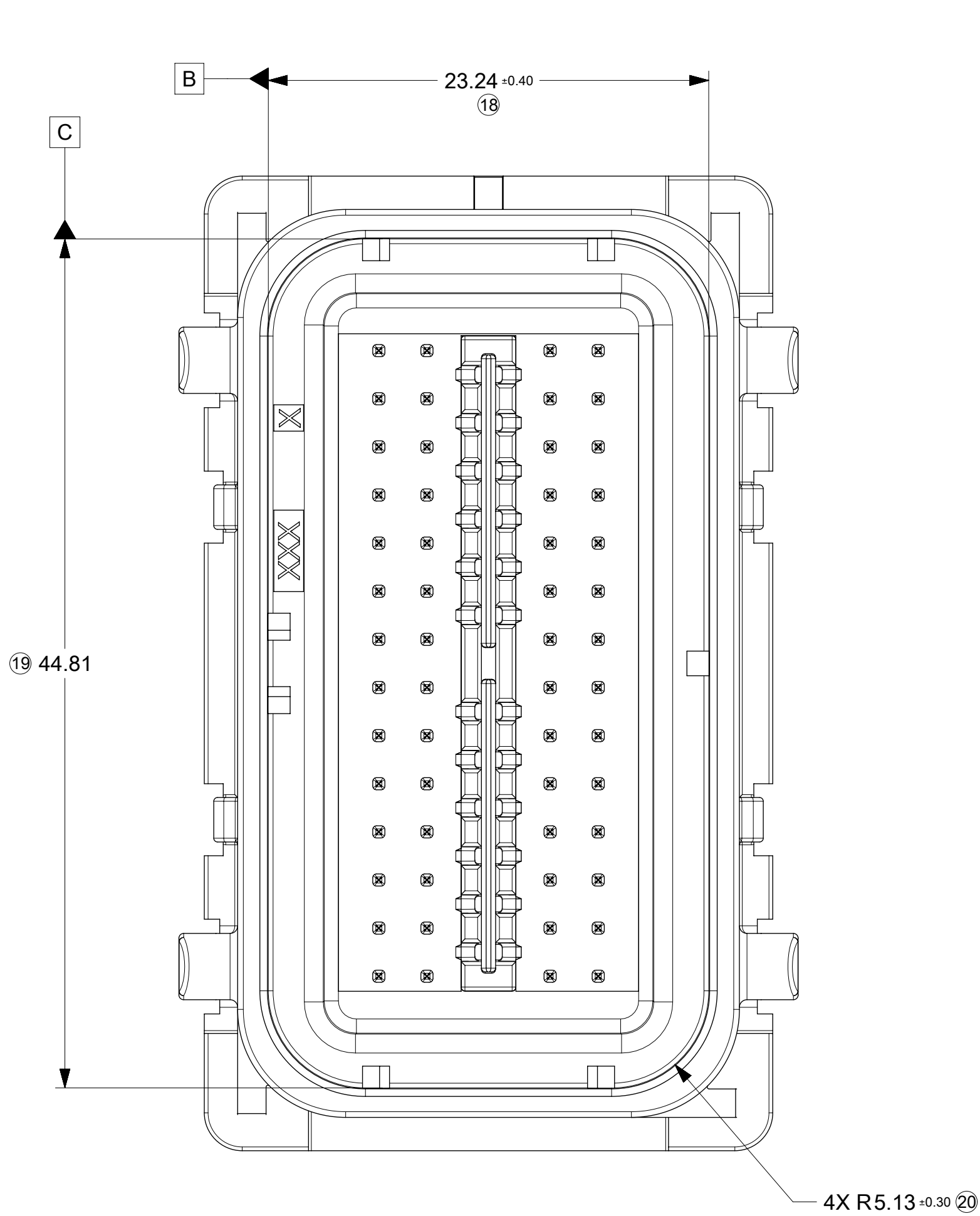
DETAIL P
SCALE 5:1



DETAIL M
SCALE 5:1

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

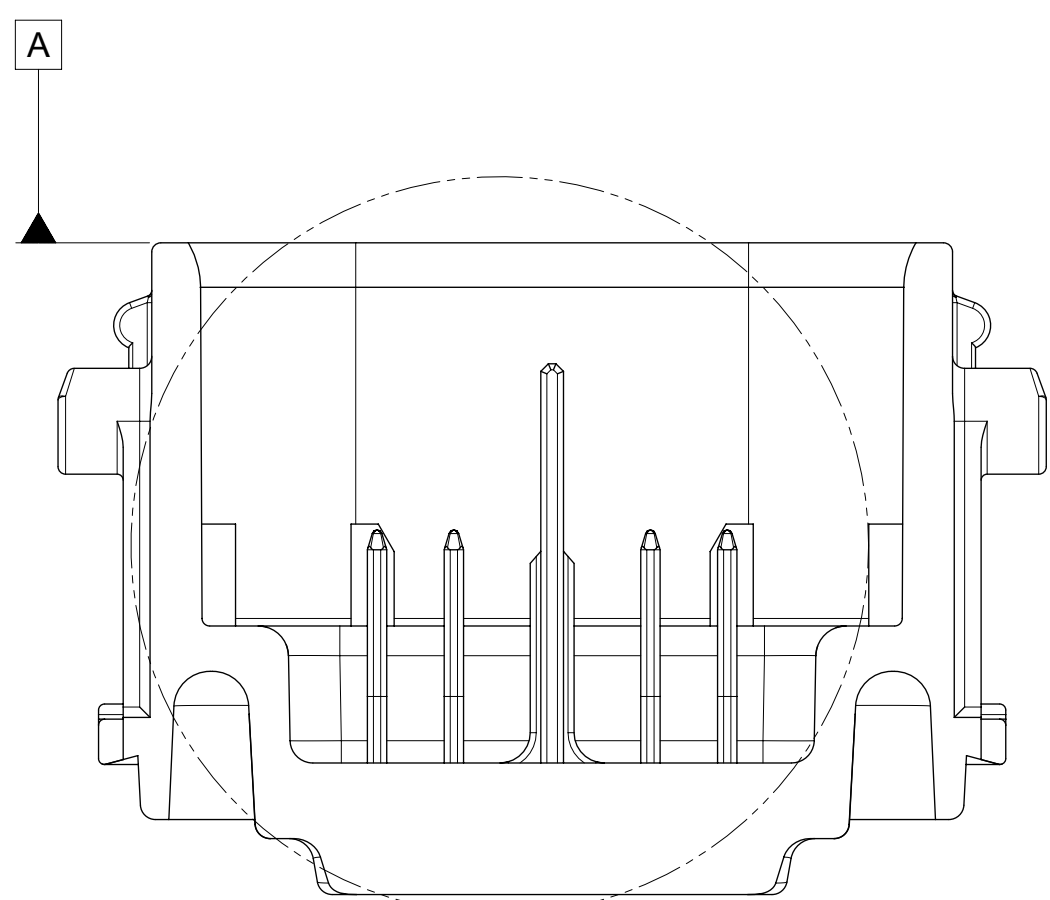
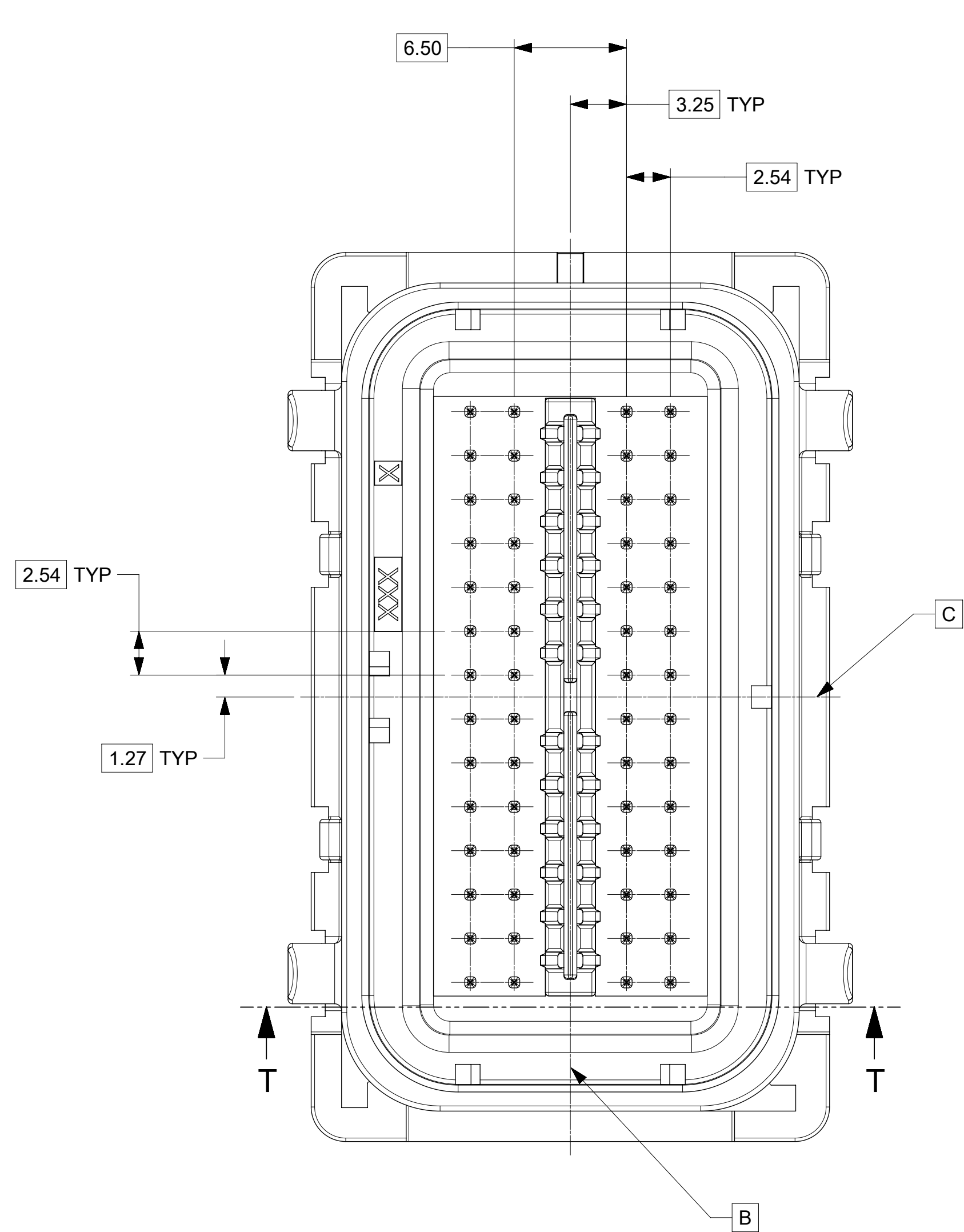
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			CHK'D BY		DATE		
			SKRAJENDRANA		2017/04/03		
			APPR BY		DATE		
			VKOSHY		2017/06/06		
			DRAWING SIZE		THIRD ANGLE PROJECTION		
			A1				
A8	REV	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	PRODUCT CUSTOMER DRAWING				SDC56 56CKT HRNS CONN ASSY
			SERIES	MATERIAL NUMBER	CUSTOMER		
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			DOCUMENT NUMBER	DOC TYPE	DOC PART	SHEET NUMBER	
1600990001-SD		PSD	000	12 OF 17			



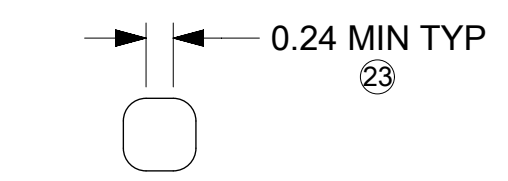
SECTION H-H

UNLESS SPECIFIED, TOLERANCE OF THE DEVICE INTERFACE TO BE 0.13 A B C

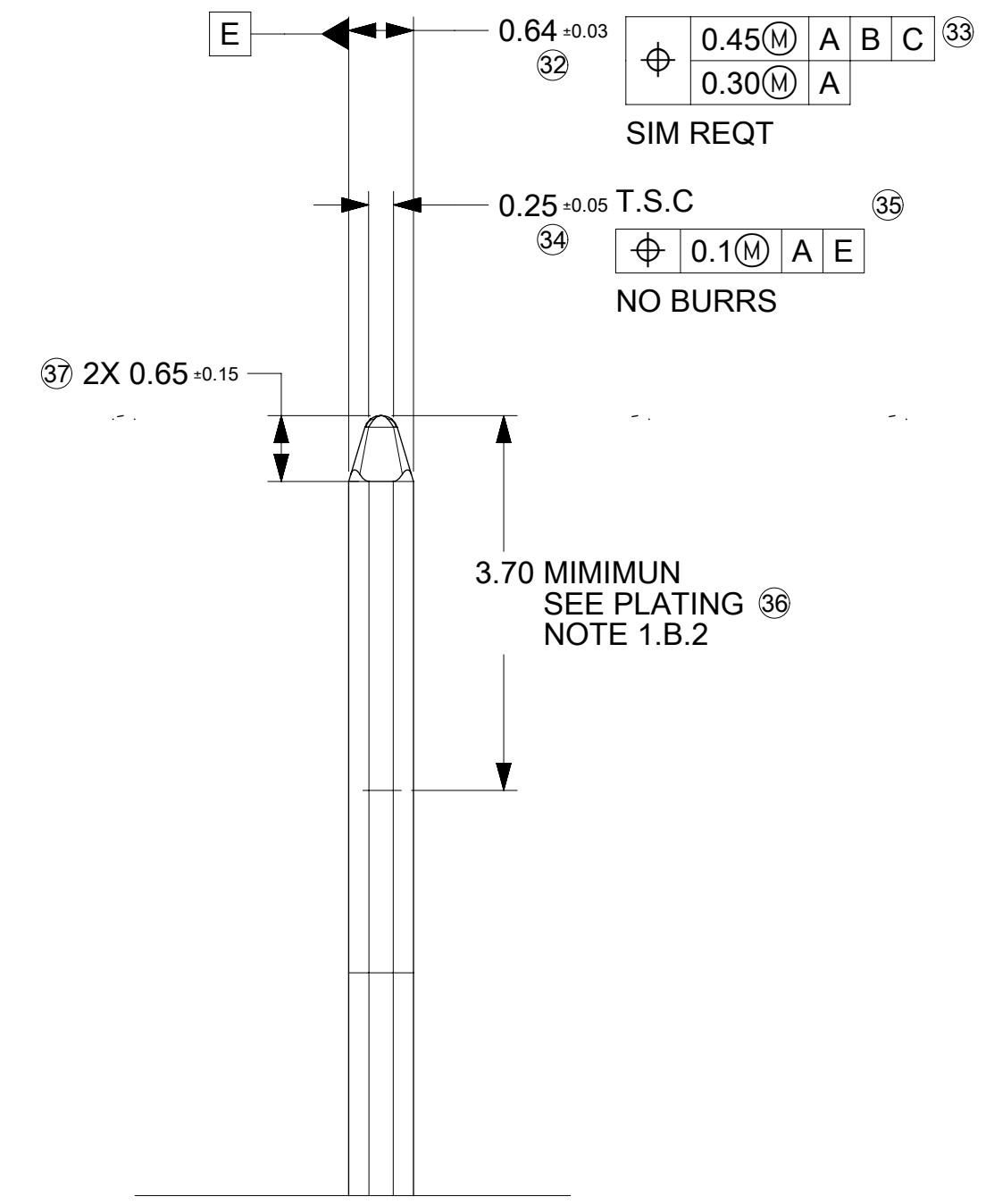
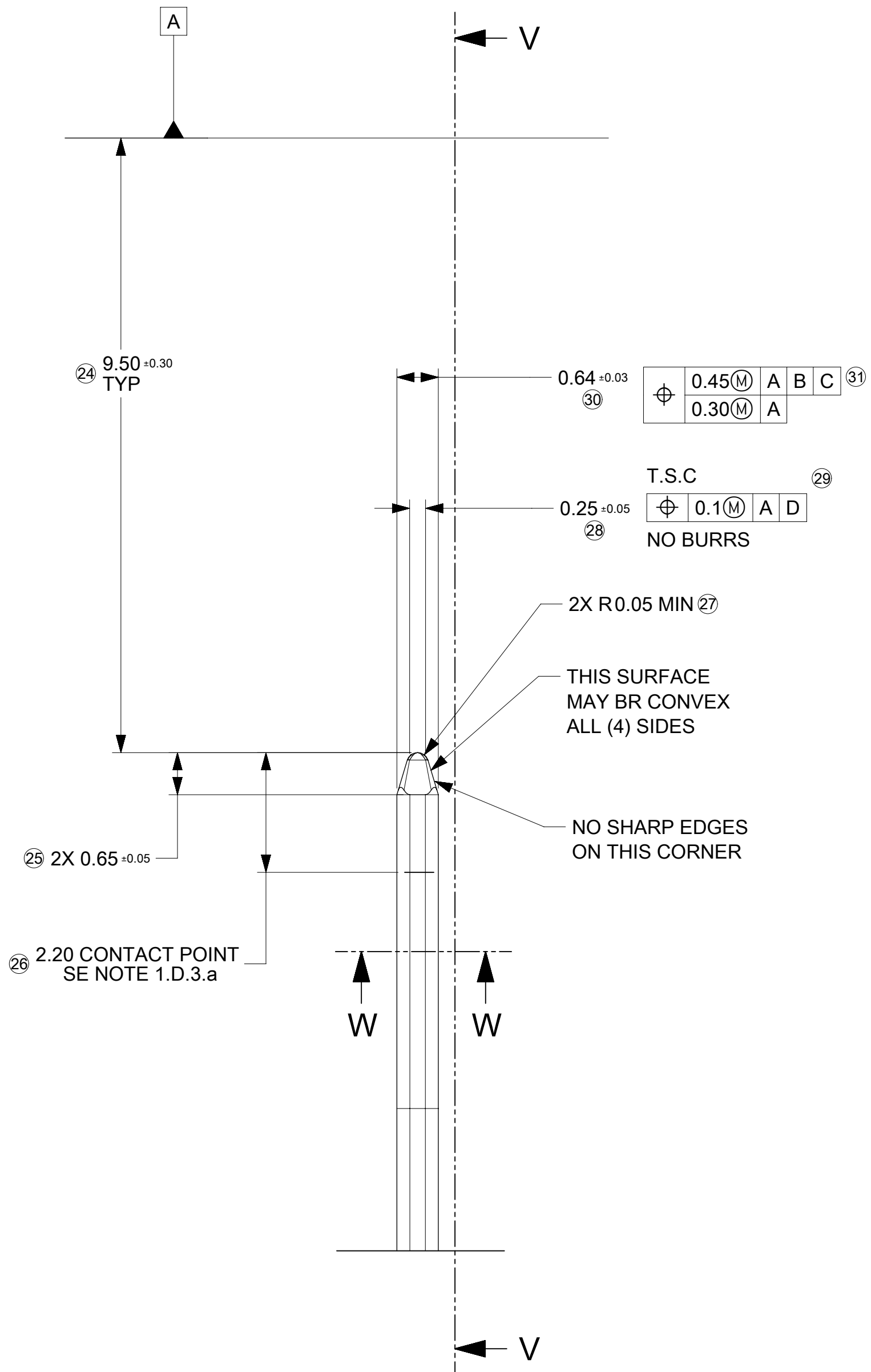
SHEET DESCRIPTION
INTERFACE PARTITION DEFINITION



SECTION T-T



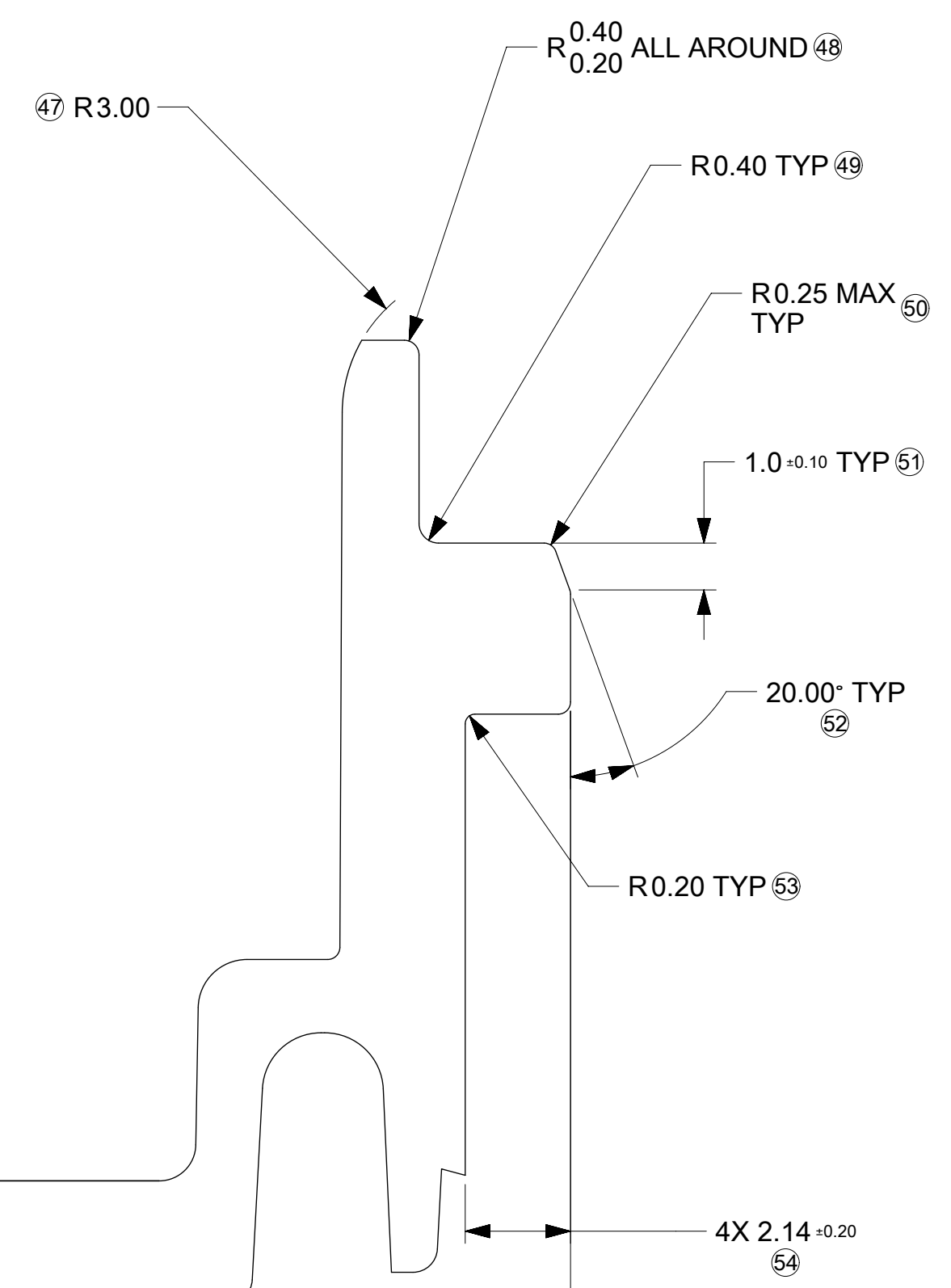
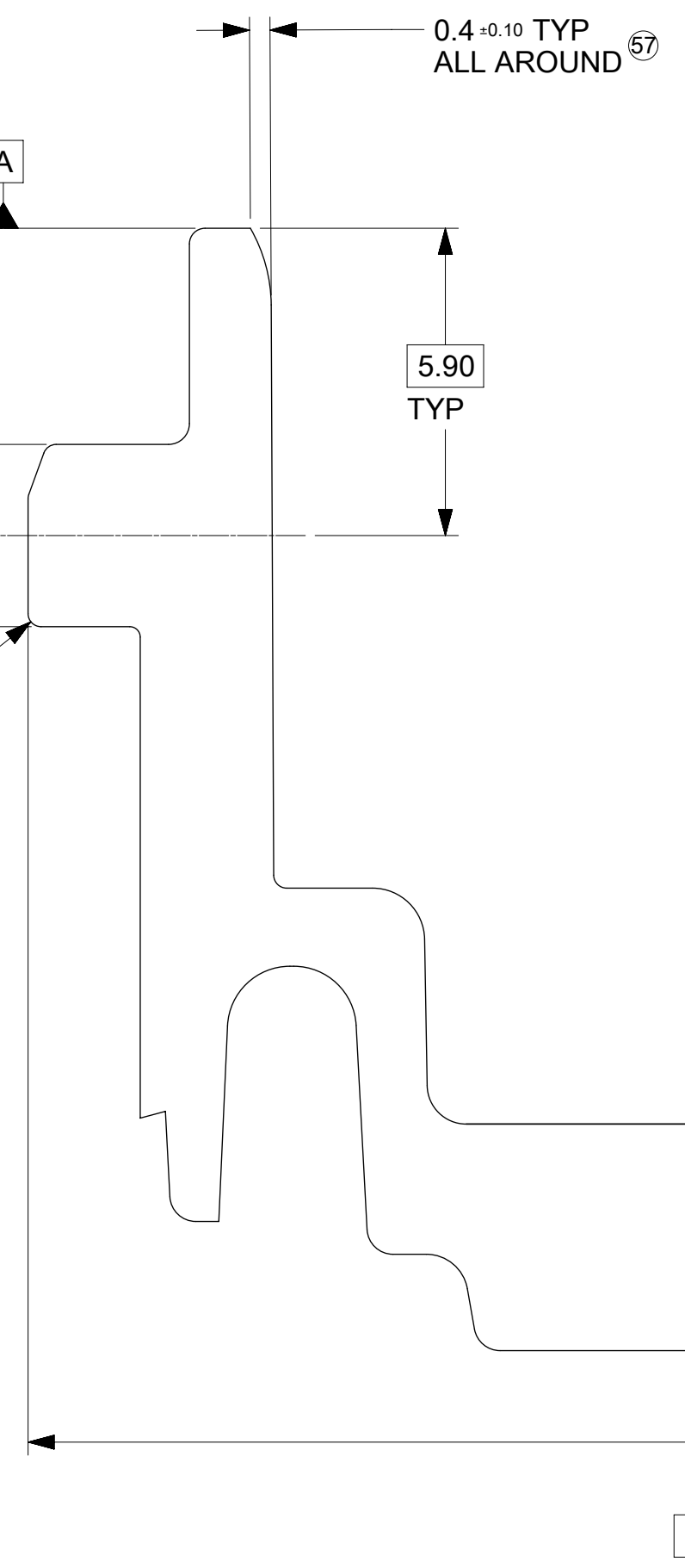
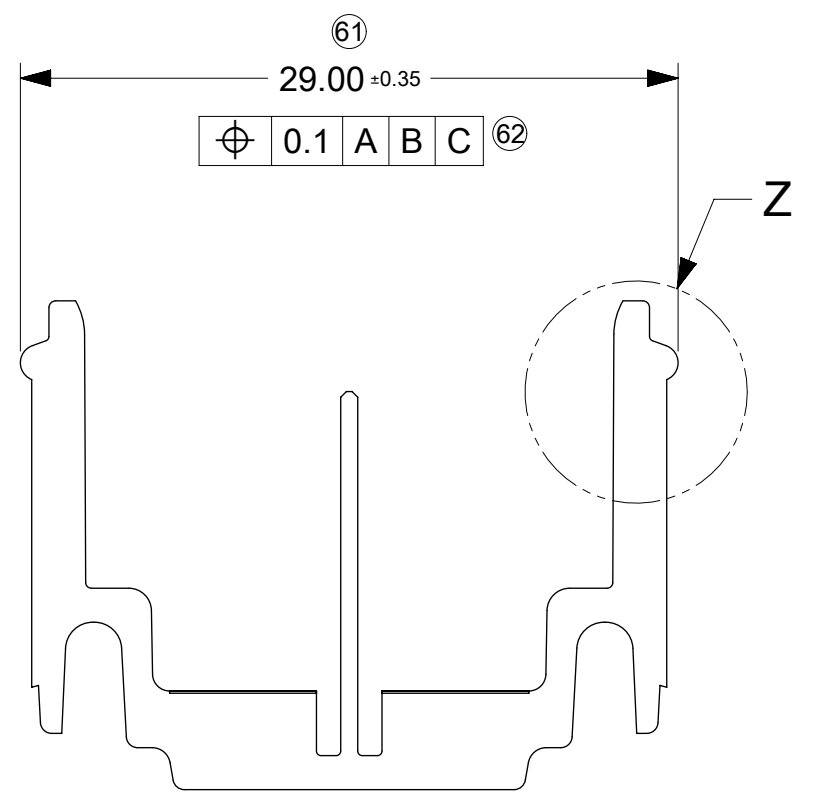
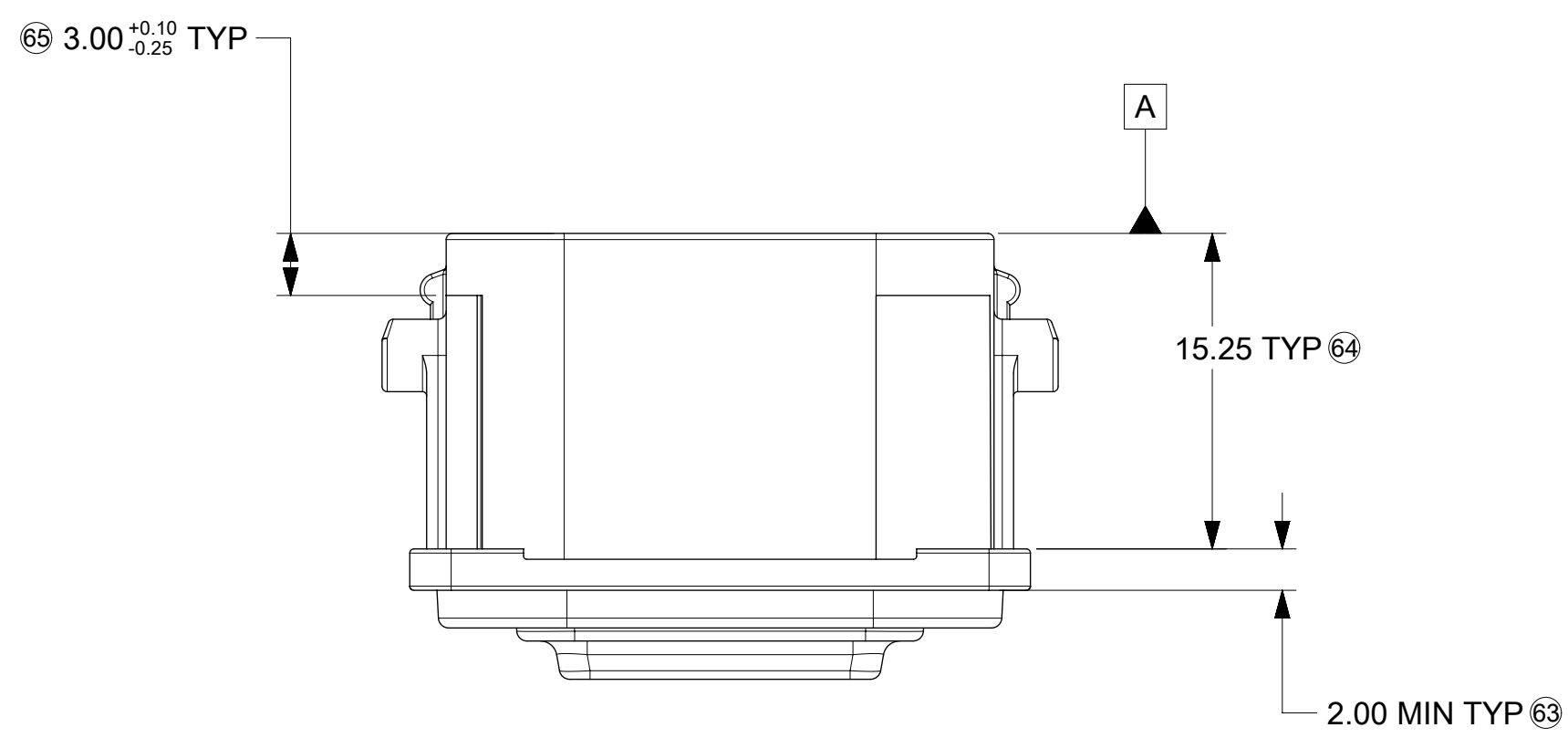
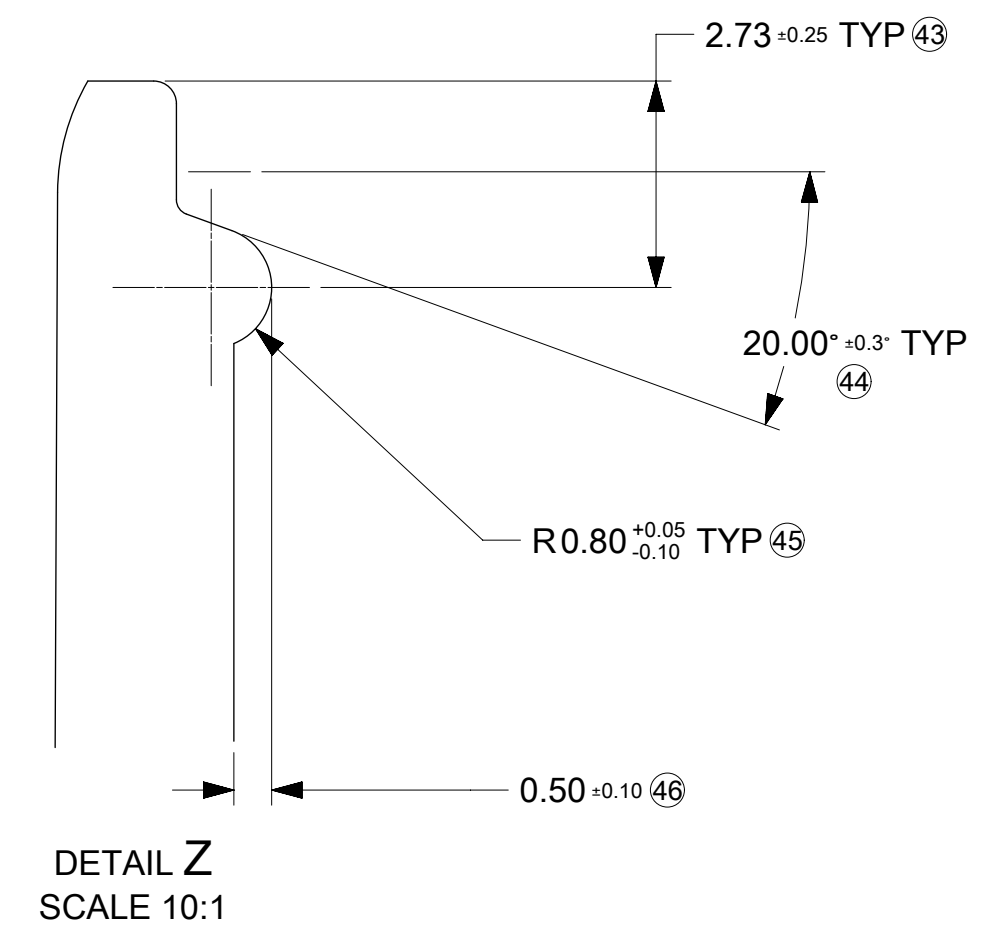
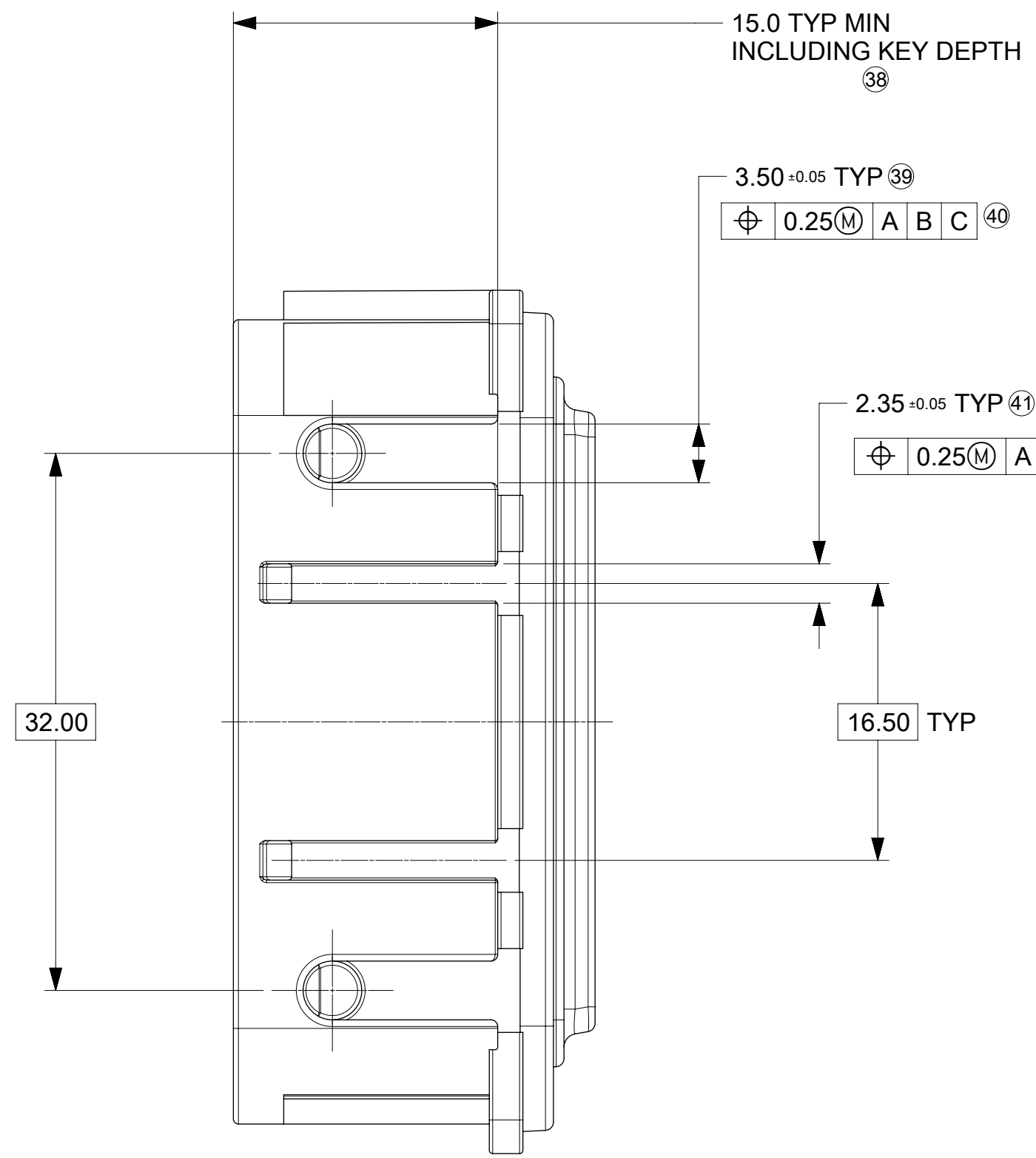
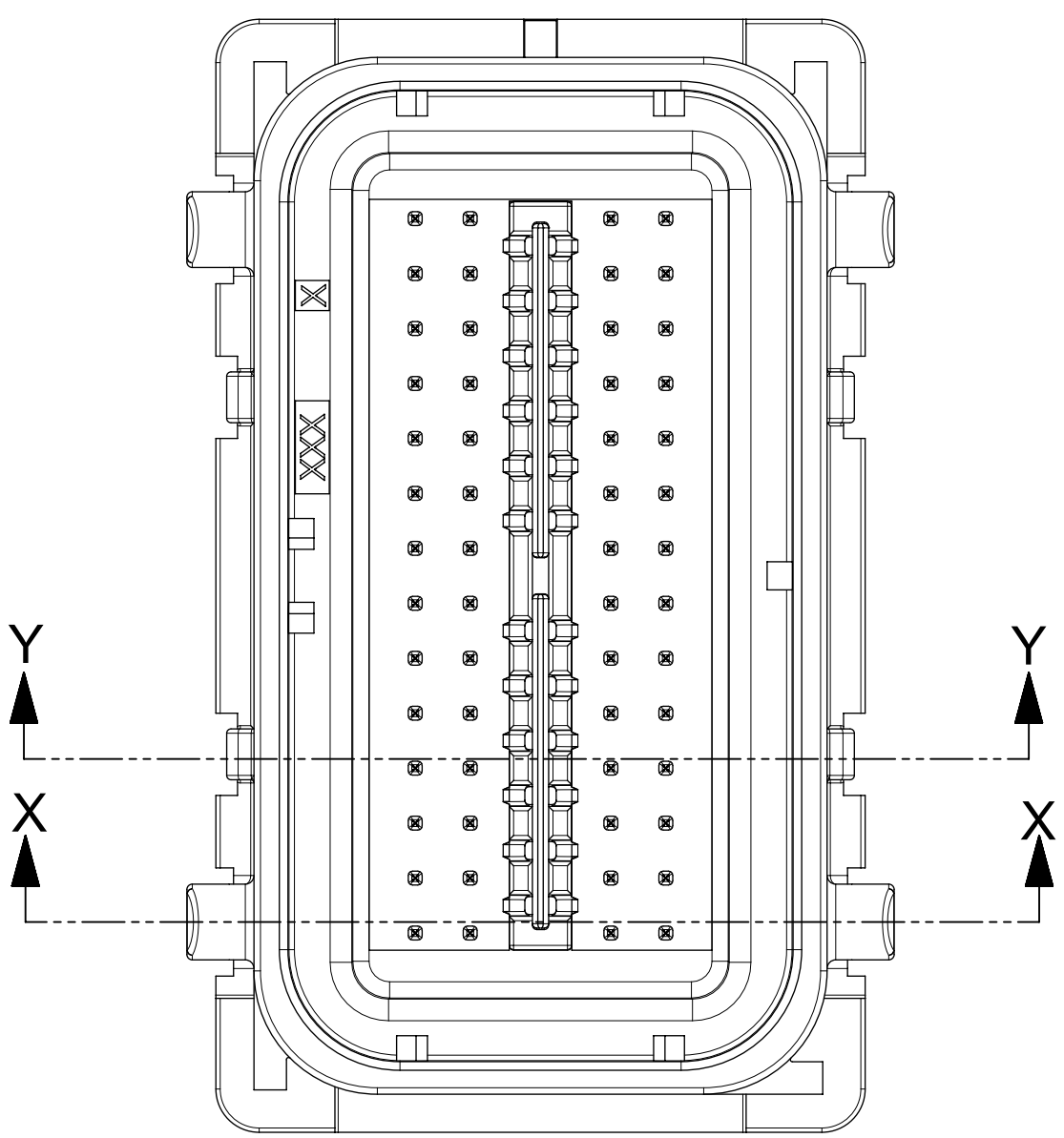
SECTION W-W

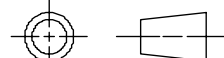


DETAIL U
SCALE 15:1

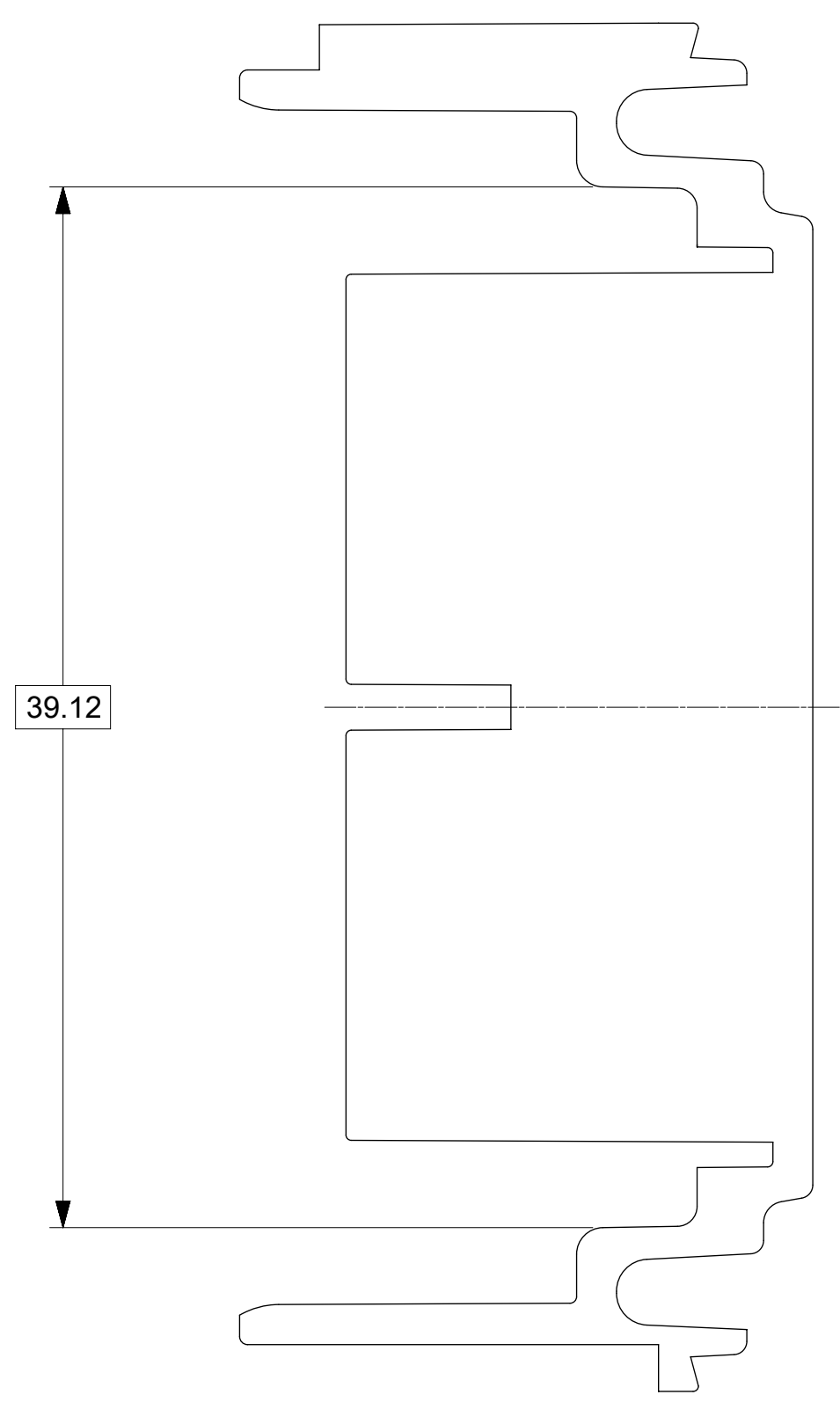
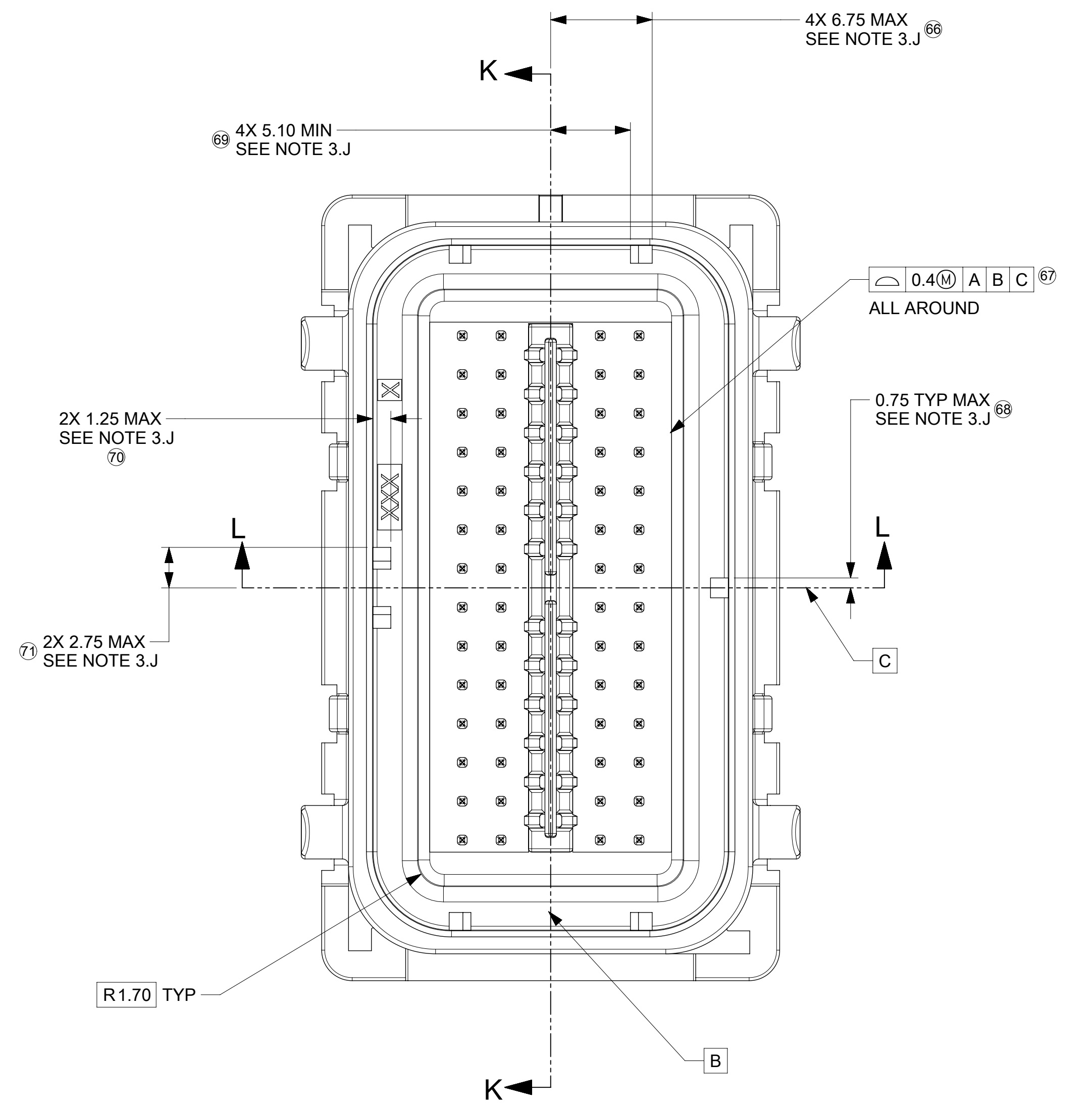
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION									
EC NO: 685152 DRWN: HKANG03 CHKD: STTAN REV APPR: STTAN	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION UNITS	SCALE	molex [®]				
			mm	1:1					
	ANGULAR TOL $\pm$ °		DRWN BY	DATE	SDC56 56CKT HRNS CONN ASSY				
	4 PLACES $\pm$		APODDATURI	2017/04/03					
	3 PLACES $\pm$		CHK'D BY	DATE	PRODUCT CUSTOMER DRAWING				
	2 PLACES $\pm$		SKRAJENDRANA	2017/04/03					
	1 PLACE $\pm$		APPR BY	DATE	SERIES MATERIAL NUMBER CUSTOMER				
0 PLACES $\pm$		VKOSHY	2017/06/06						
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		DRAWING SIZE	THIRD ANGLE PROJECTION	160099		DOCUMENT NUMBER 1600990001-SD DOC TYPE PSD DOC PART 000 SHEET NUMBER 14 OF 17			
		A1							

SHEET DESCRIPTION
INTERFACE PARTITION DEFINITION

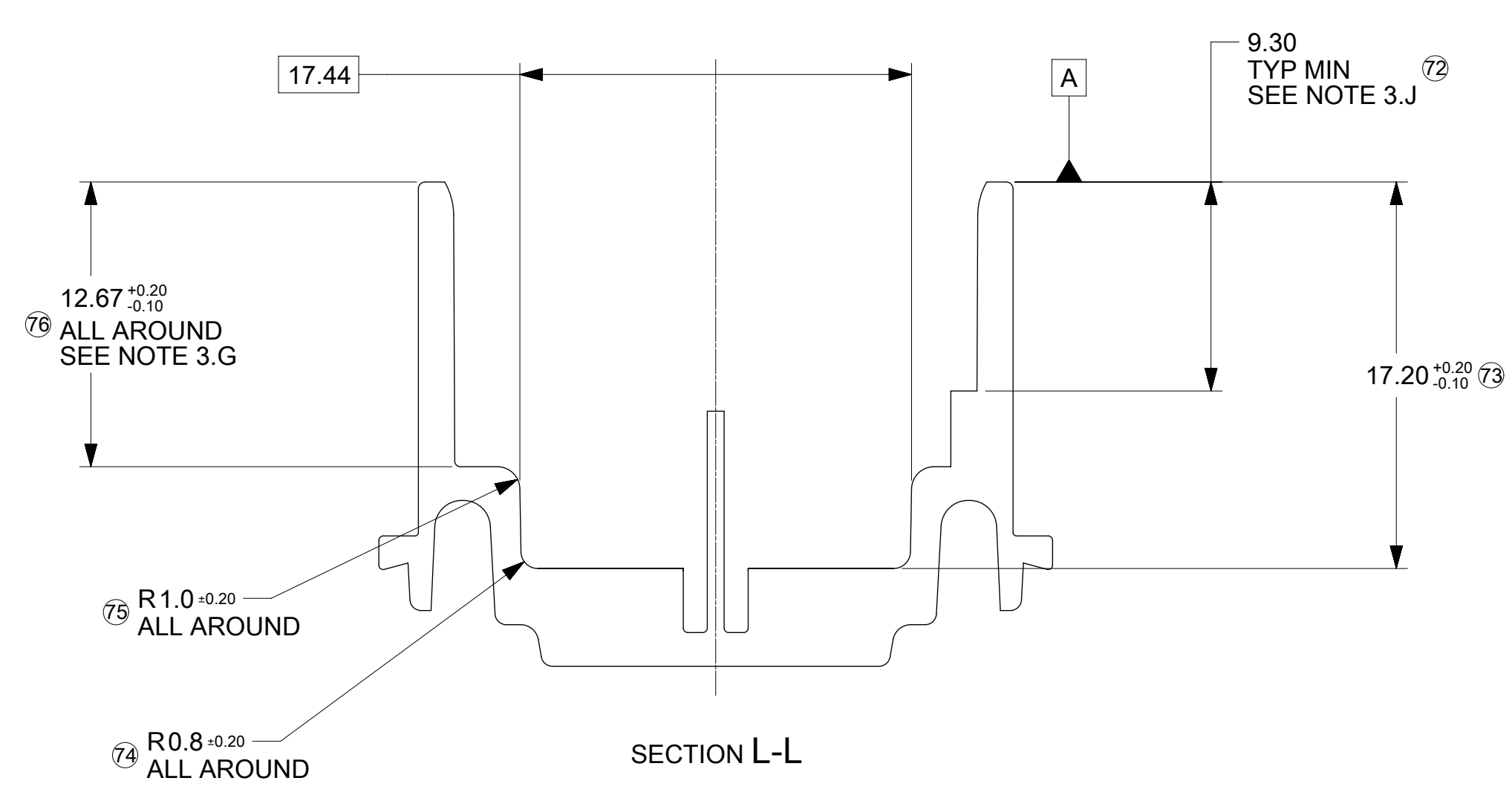


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EC NO: 685152 DRWN: HKANG03 CHK'D: STIAN APPR: STIAN	2021/11/12 2021/11/16 2021/11/16	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION UNITS		SCALE		molex®						
				mm		1:1								
		ANGULAR TOL ± °		DRWN BY		DATE								
		4 PLACES ±		CHK'D BY		DATE		SDC56 56CKT HRNS CONN ASSY						
		3 PLACES ±		SKRAJENDRANA		2017/04/03								
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		0 PLACES ±		DRAWING SIZE		THIRD ANGLE PROJECTION								
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		A1				SERIES		MATERIAL NUMBER			CUSTOMER			
A8		REV				160099								
				DOCUMENT NUMBER				DOC TYPE		DOC PART		SHEET NUMBER		
				1600990001-SD				PSD		000		15 OF 17		

SHEET DESCRIPTION
CONNECTOR PARTITION DEFINITION



SECTION K-K

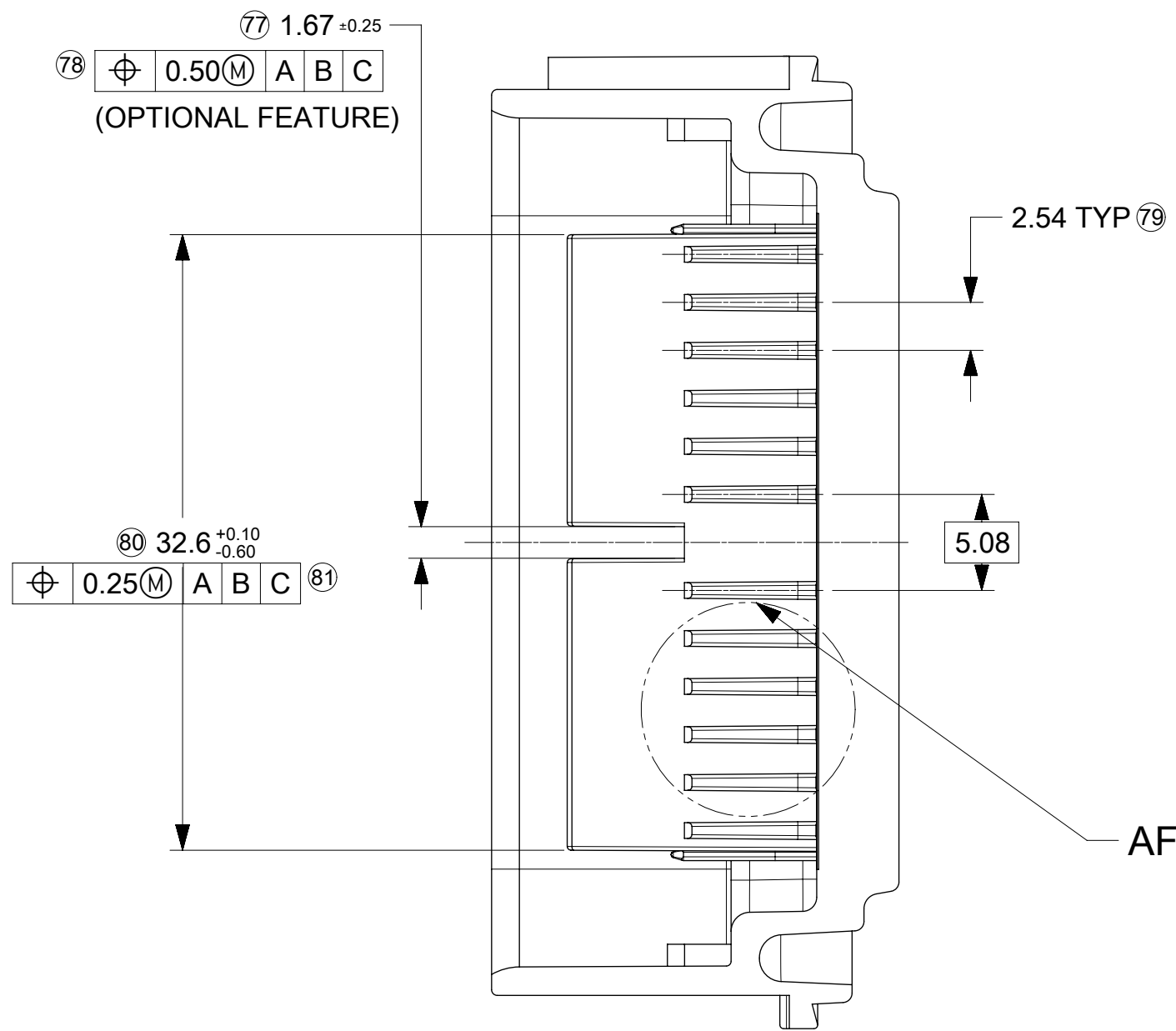
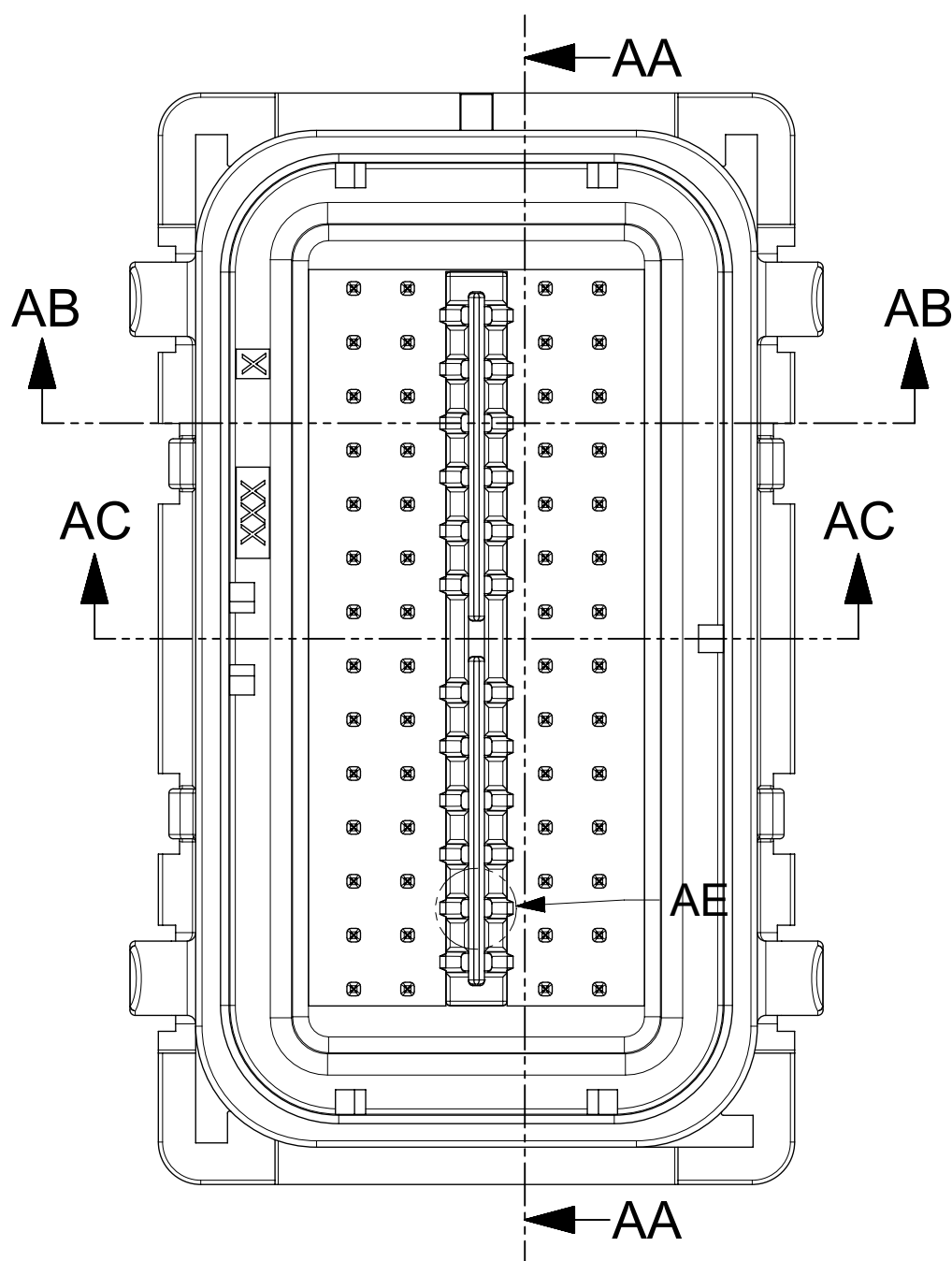


SECTION L-L

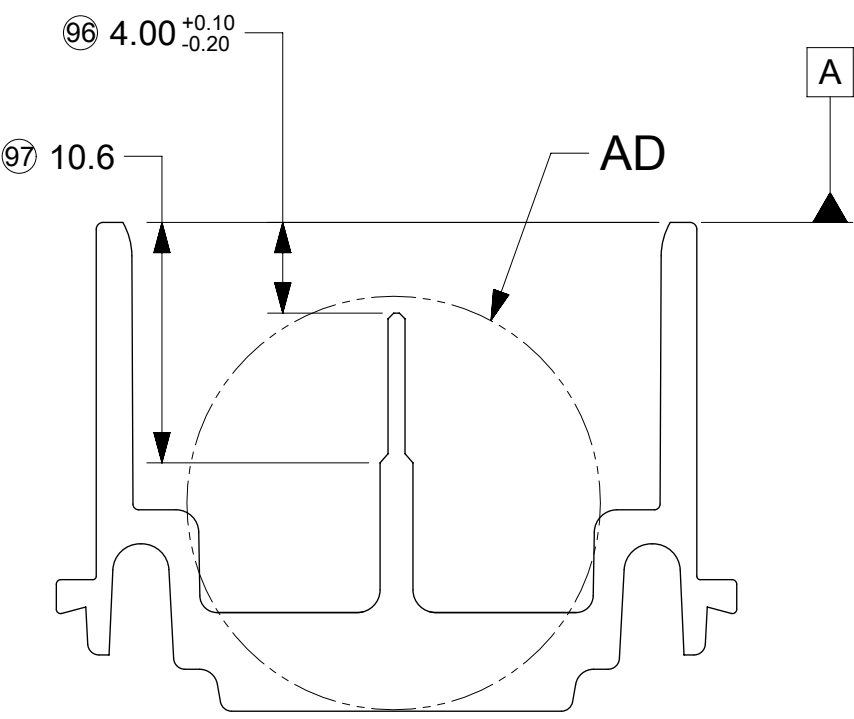
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		1 PLACE ±		VKOSHY		2017/06/06		SERIES		MATERIAL NUMBER		CUSTOMER	
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SHEET DESCRIPTION

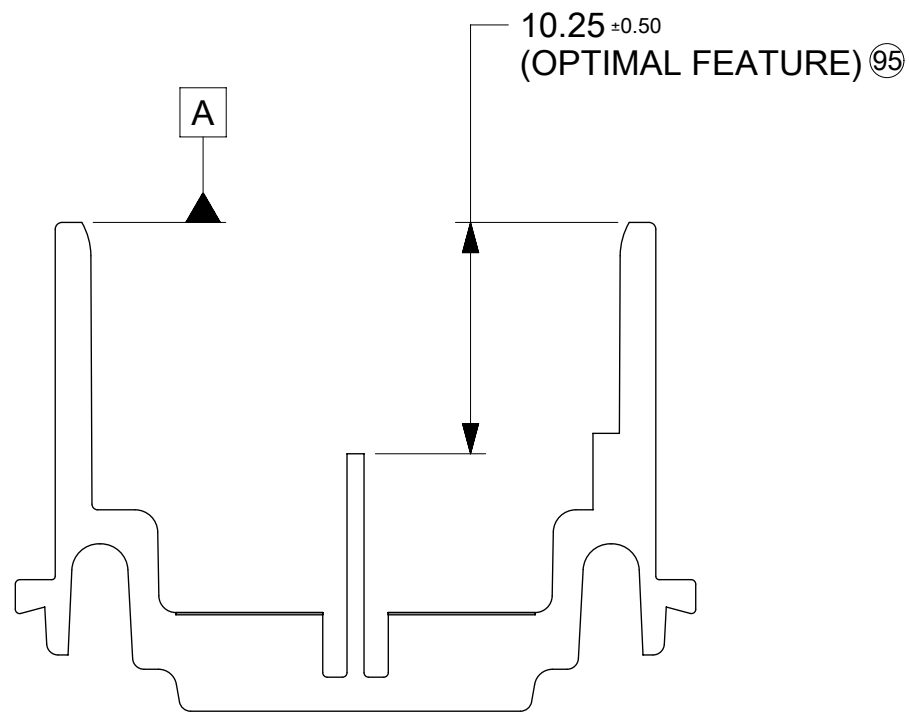
CONNECTOR PARTITION DEFINITION - ANTI SCOOP RIB



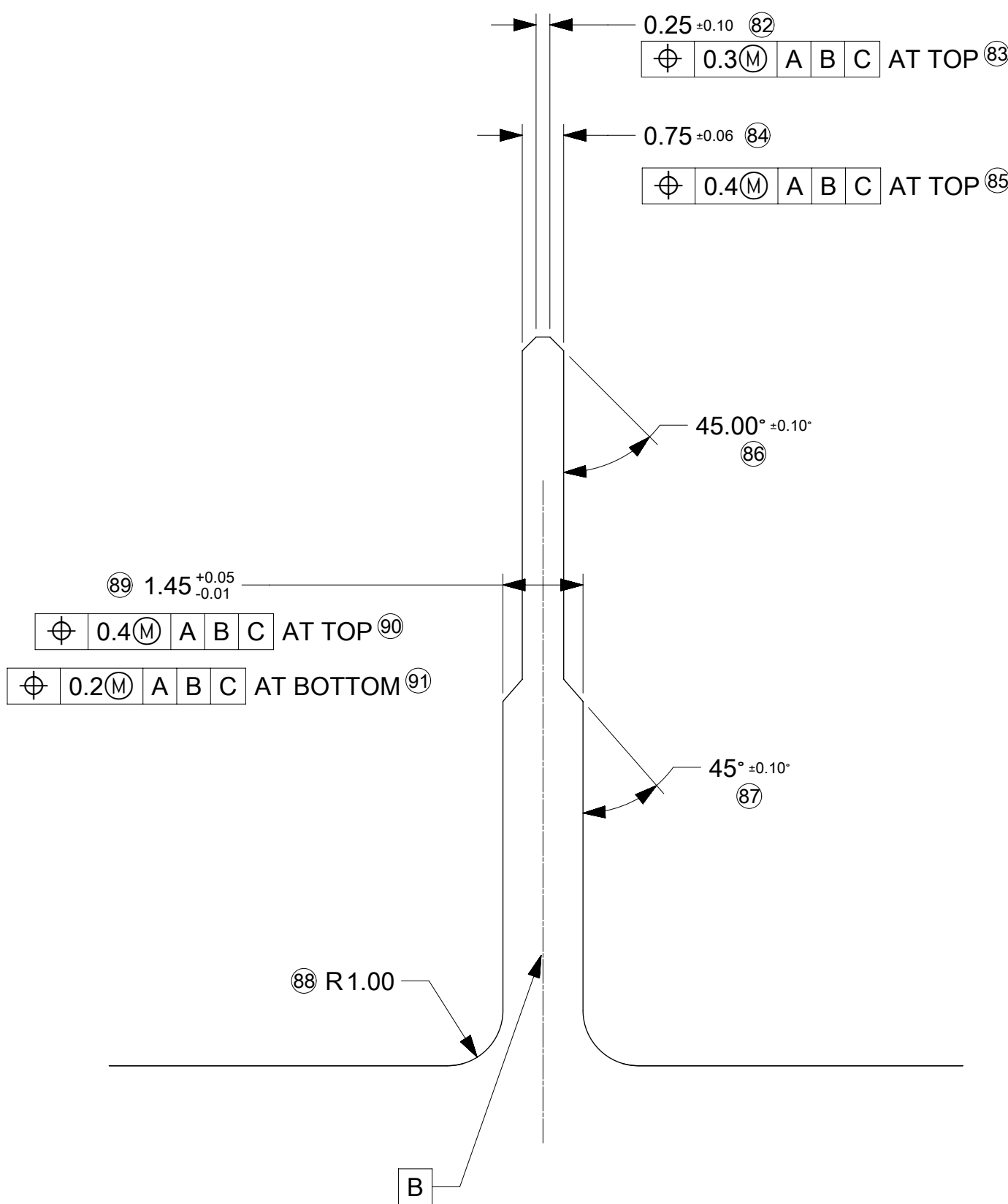
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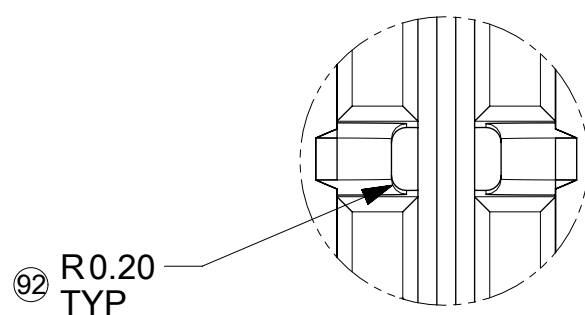
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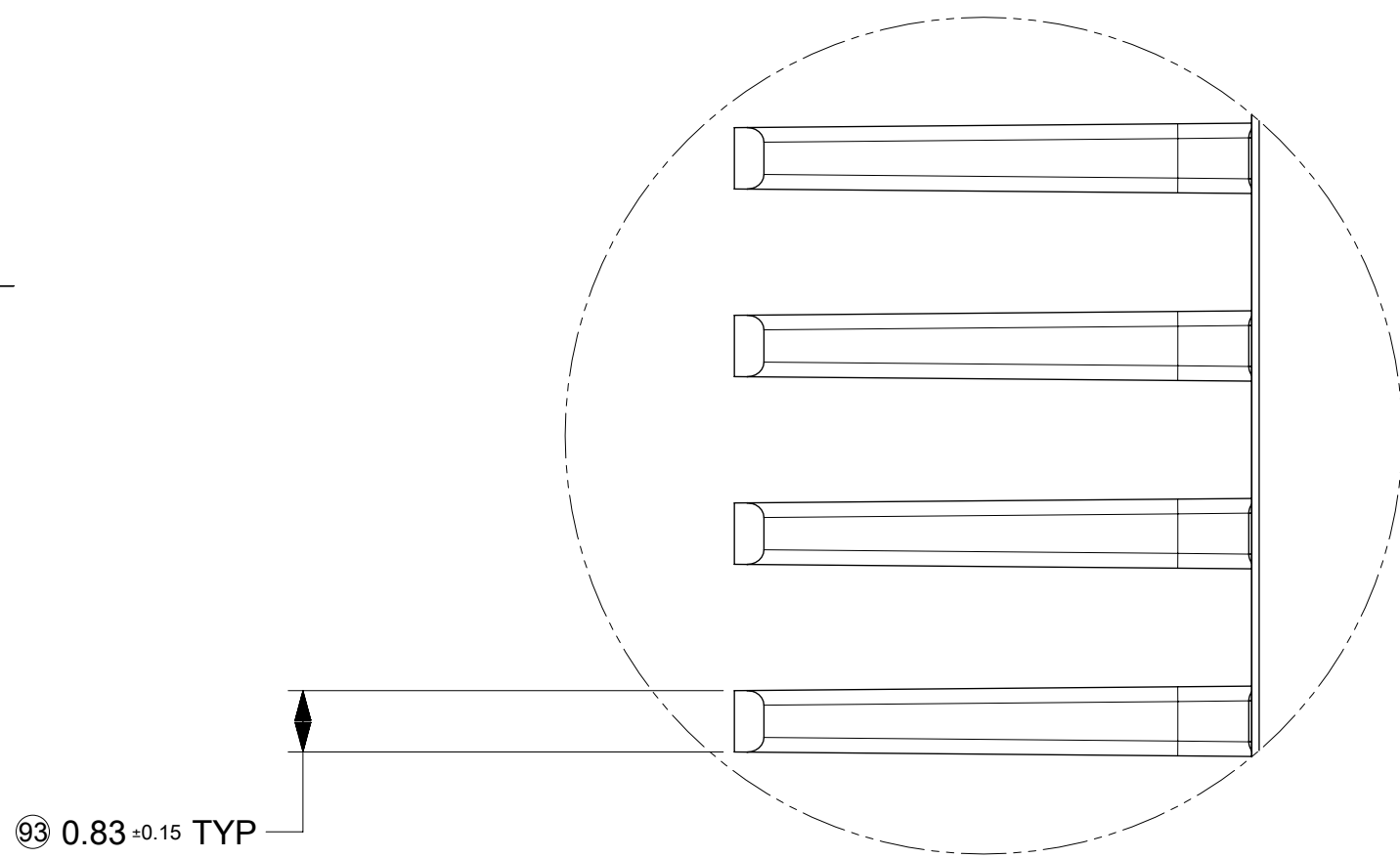
SECTION AC-AC



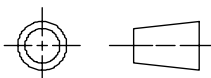
DETAIL AD
SCALE 10:1

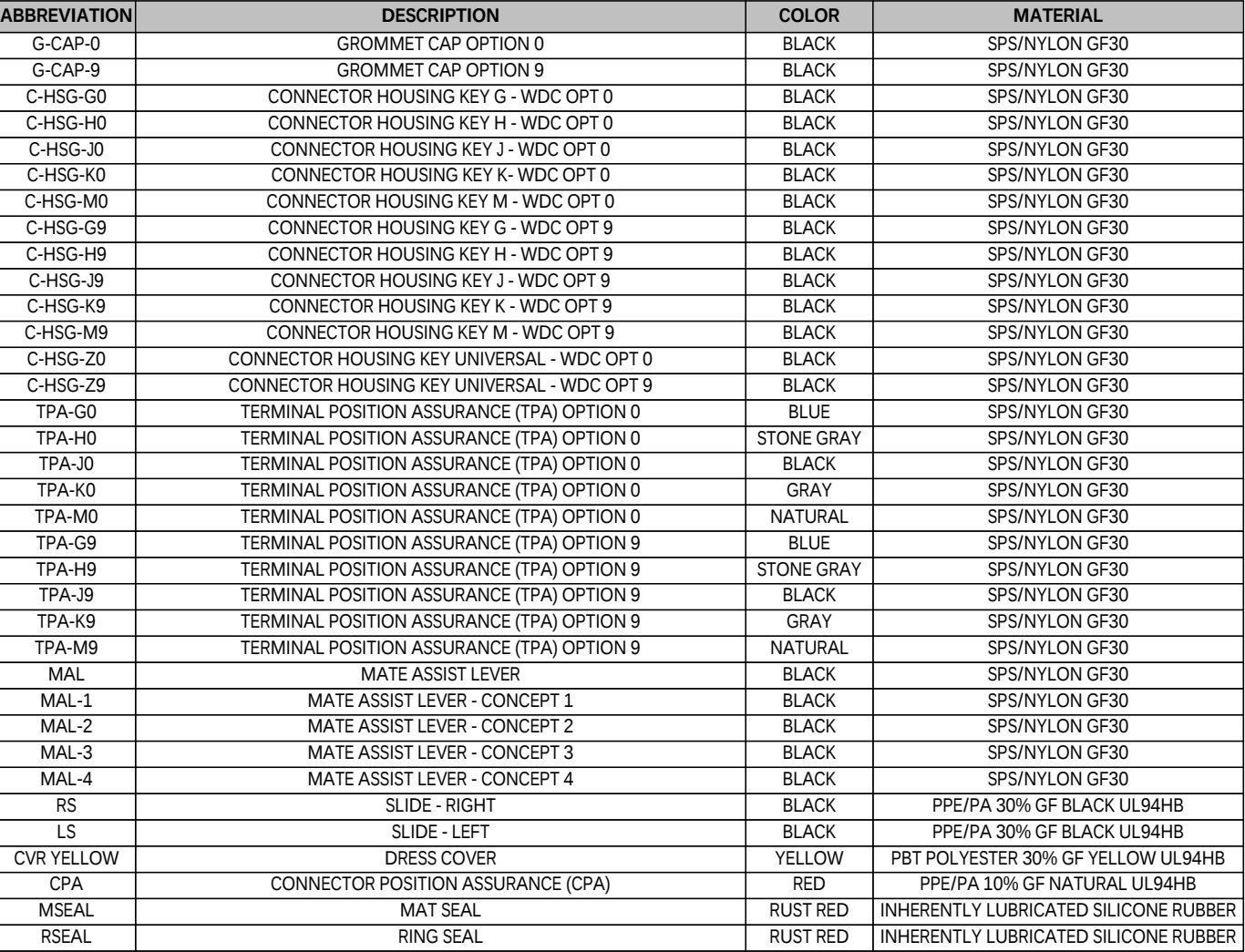


DETAIL AE
SCALE 10:1



DETAIL AF
SCALE 10:1

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EC NO: 685152 DRWN: HKANG03 CHKD: STTAN REV/ APPR: STTAN	2021/11/12 2021/11/16 2021/11/16	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION UNITS	SCALE	molex[®]							
				mm	1:1								
		ANGULAR TOL ± °		DRWN BY	DATE								
		4 PLACES ±		APODDATURI		2017/04/03		SDC56 56CKT HRNS CONN ASSY					
		3 PLACES ±		CHK'D BY		DATE							
		2 PLACES ±		SKRAJENDRANA		2017/04/03							
		1 PLACE ±		APPR BY		DATE		PRODUCT CUSTOMER DRAWING					
		0 PLACES ±		VKOSHY		2017/06/06							
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		DRAWING SIZE	THIRD ANGLE PROJECTION		SERIES						
		A8		REV/	A1				160099				
				DOCUMENT NUMBER		DOC TYPE		DOC PART		SHEET NUMBER			
				1600990001-SD		PSD		000		17 OF 17			



DATE 10/28/2021



SDC56 SEALED RCPT ASSY (56 Ckt)

BOM & PIN OUT SHEET

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
											CAVITY WITH A NUMBER INDICATES BLOCKED TERMINAL POSITION																		DRESS COVER
											CAVITY WITHOUT A NUMBER INDICATES OPEN TERMINAL POSITION																		
SDC56 ASSY RCPT 56CKT BLU OPT 9 KEY G/56	1600990019	C-HSG-G9	G-CAP-9	TPA-G9	RS	LS	MAL	CPA	MSEAL	RSEAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	SALEABLE		1600995001	
											-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
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DATE 10/28/2021 DOCUMENT NO. 1600990002-SD REVISION K
Page 3 of 4



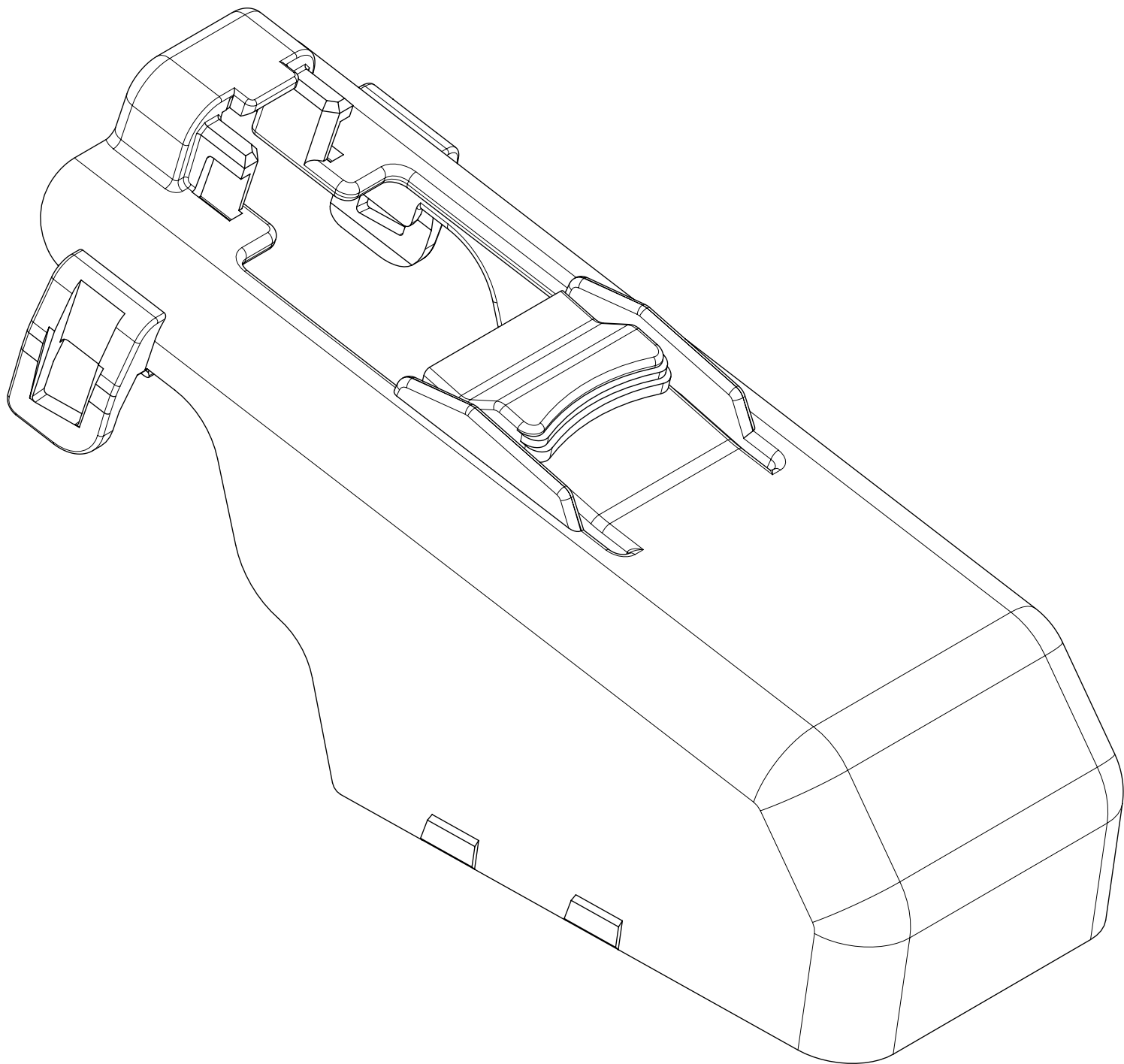
SDC56 SEALED RCPT ASSY (56 Ckt)

BOM & PIN OUT SHEET

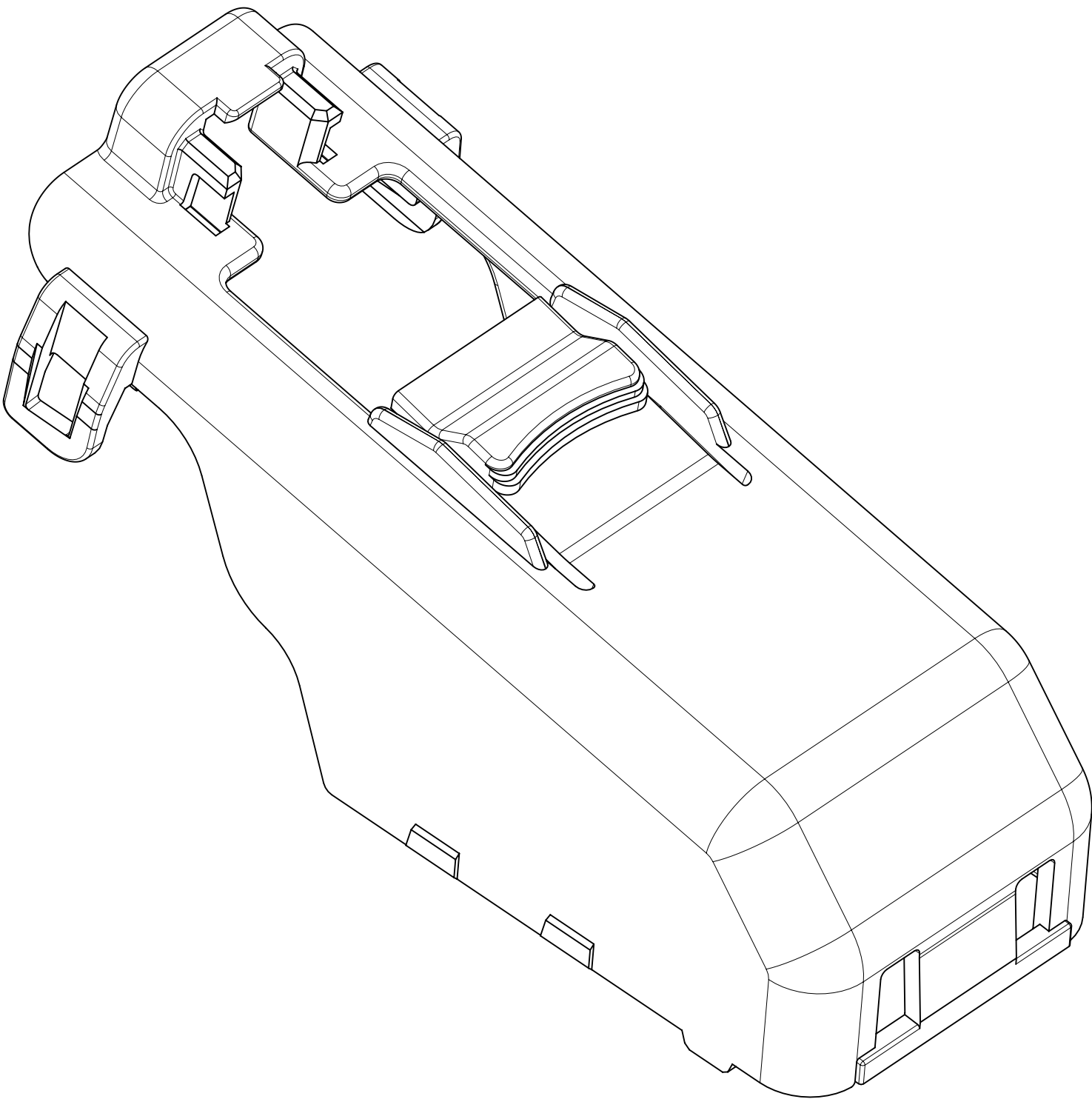
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											CAVITY WITH A NUMBER INDICATES BLOCKED TERMINAL POSITION																	DRESS COVER		
											CAVITY WITHOUT A NUMBER INDICATES OPEN TERMINAL POSITION																			
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TABLE OF CONTENTS	
SHEET NO.	SHEET DESCRIPTION
1	NOTES AND BOM
2	DATUM TARGETS TYPE 2
3	DATUM TARGETS TYPE 1

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

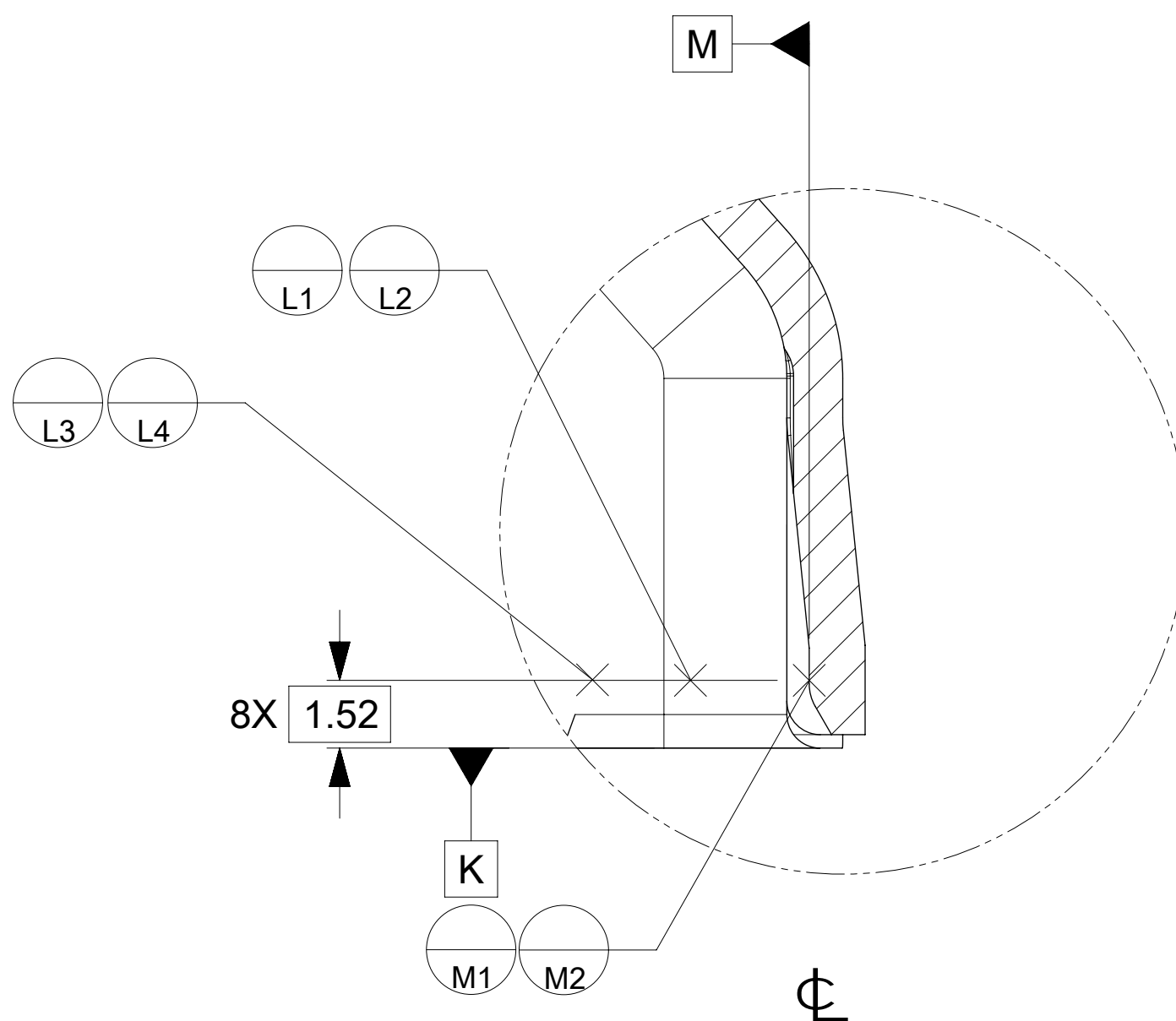
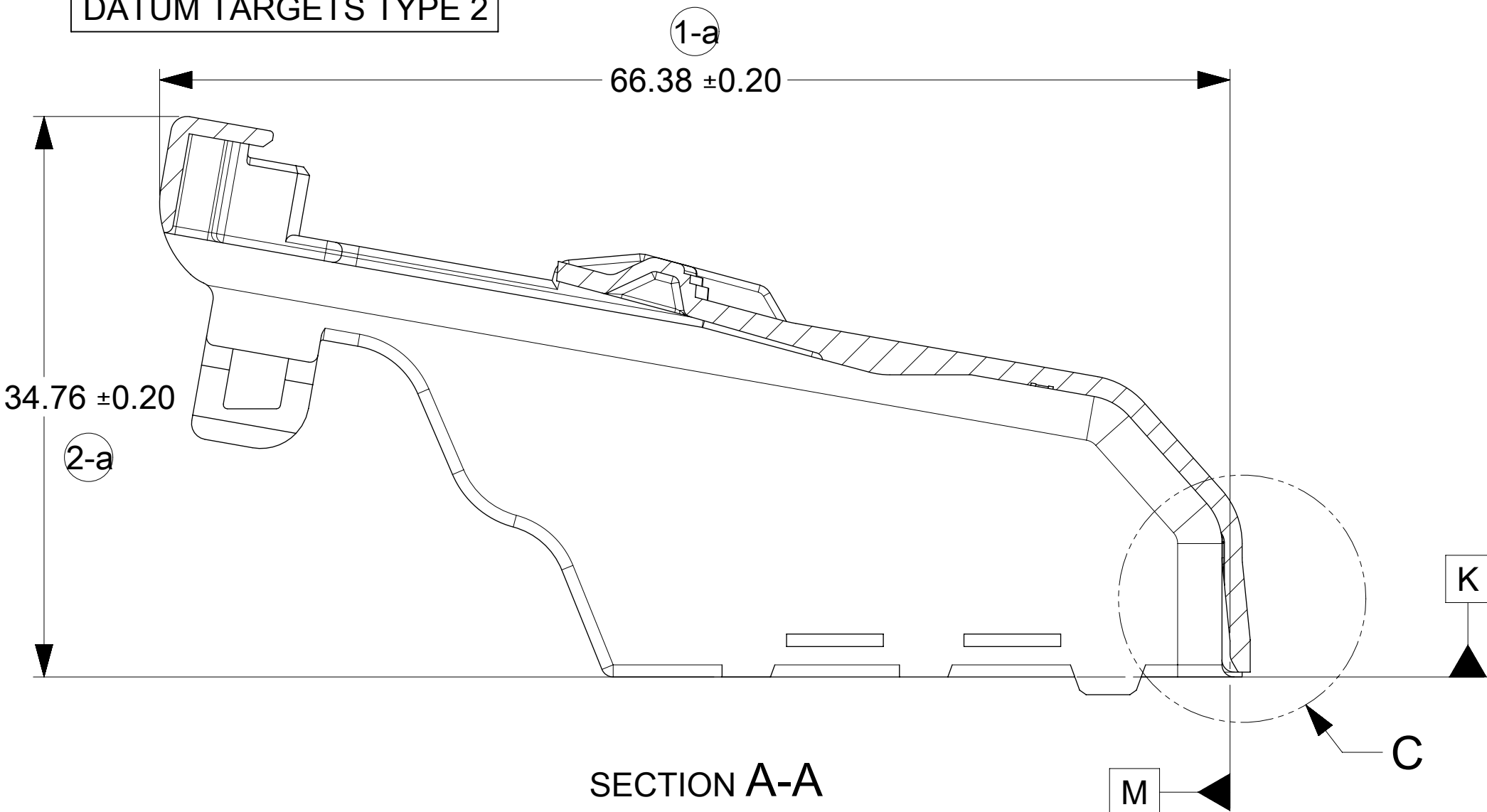
NOTES: VALID UNLESS OTHERWISE SPECIFIED

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^o $\pm 3^{\circ}$
 - 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: N/A

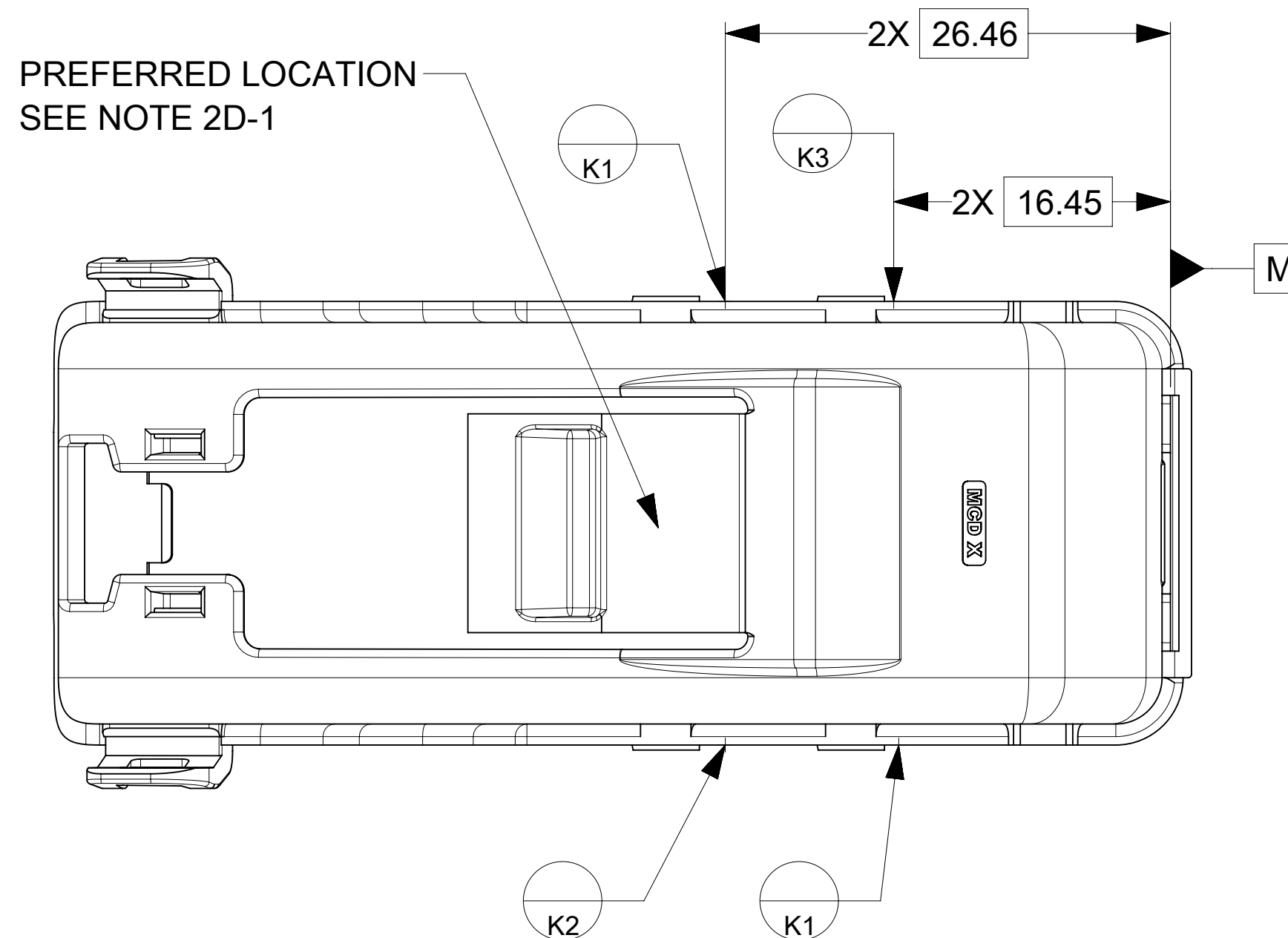
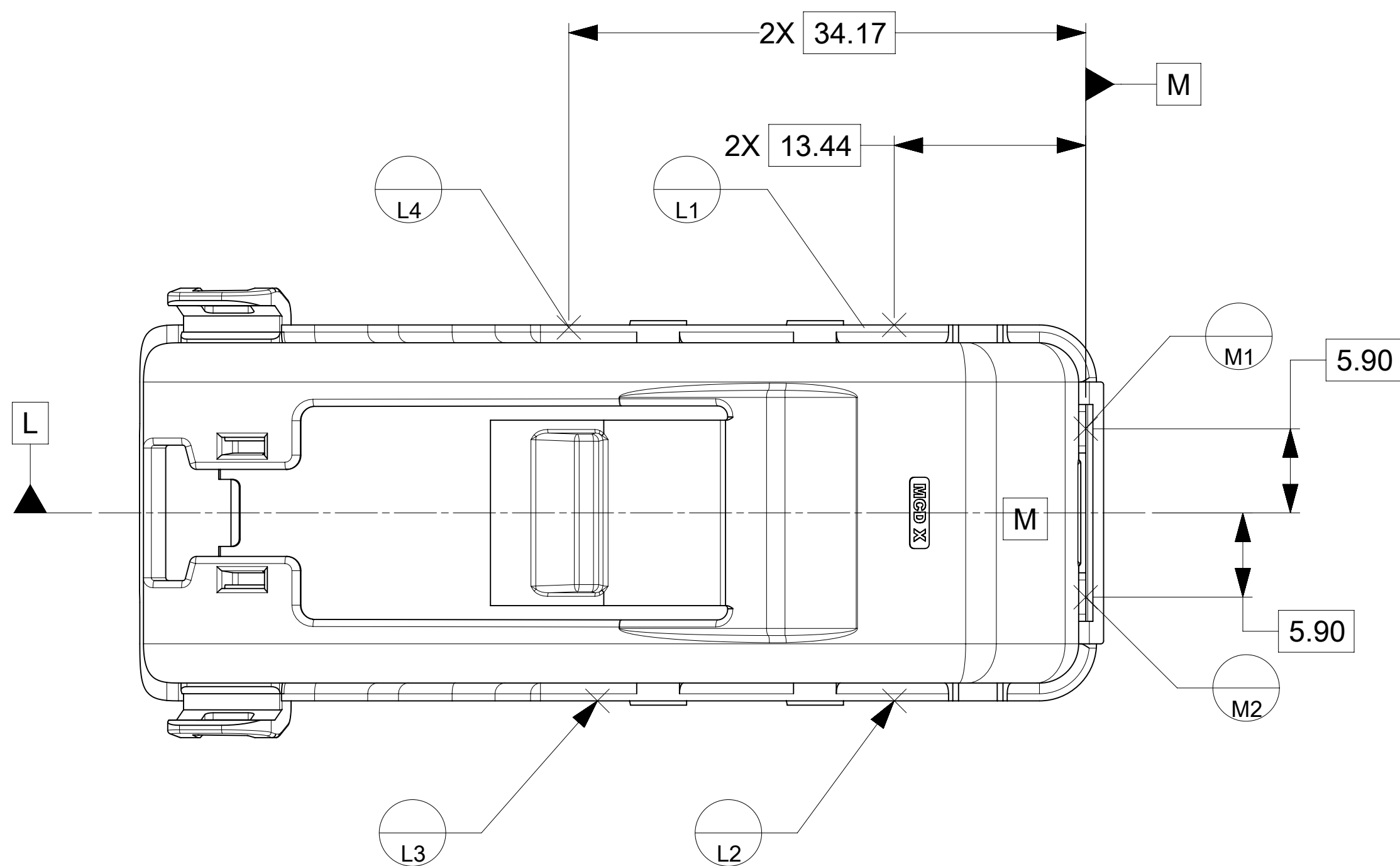
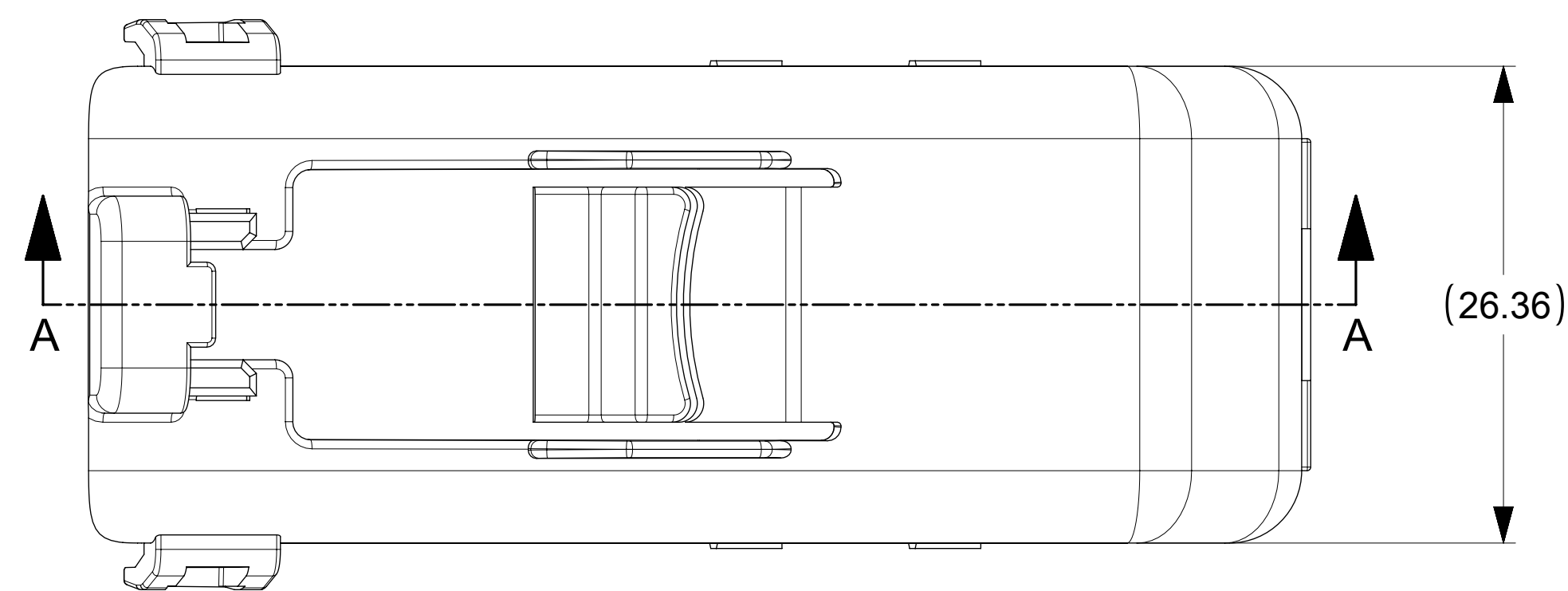
A6	UPDATED DESIGN FOR TYPE 2
A5	ADD P/N 1600995007
A4	CHANGED THE DOC TYPE TO GENERAL MARKET
A3	ADDED BALLOON NUMBERS
A2	UPDATED TOLERANCES BASED ON DIMENSIONAL REPORT
A1	PRODUCTION RELEASE
A	PRE-PRODUCTION RELEASE
1	INITIAL RELEASE
REV	DESCRIPTION

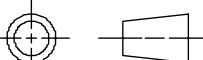
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 = 0		ANGULAR TOL ± °		DRWN BY		DATE		SDC56 56CKT DRESS COVER						
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 = 0		3 PLACES ±		CHK'D BY		DATE								
 = 0		2 PLACES ±		SKRAJENDRANA		2017/01/20								
 = 0		1 PLACE ±		APPR BY		DATE		PRODUCT CUSTOMER DRAWING						
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 = 0								DOCUMENT NUMBER		DOC TYPE		DOC PART		SHEET NUMBER
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SHEET DESCRIPTION
DATUM TARGETS TYPE 2



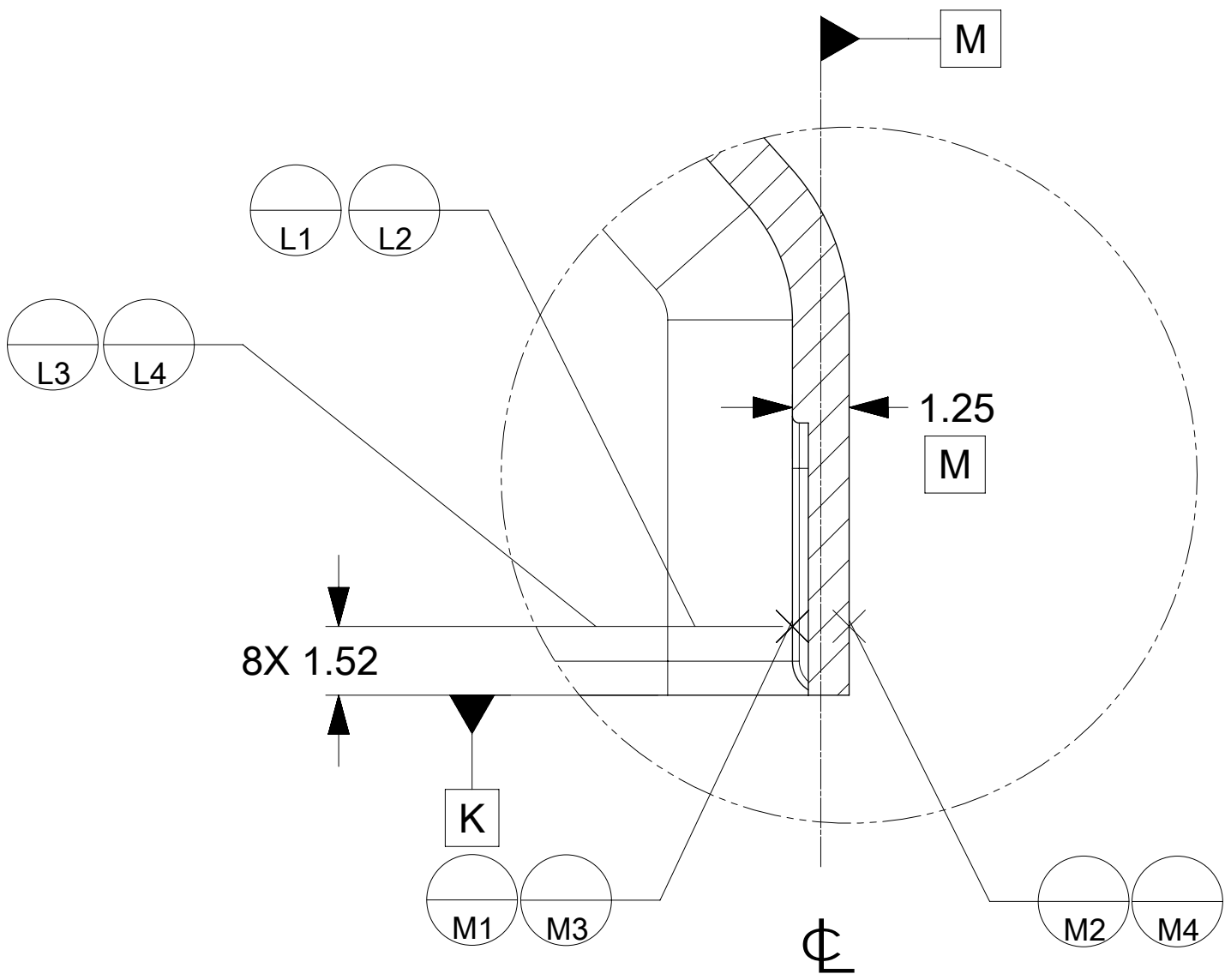
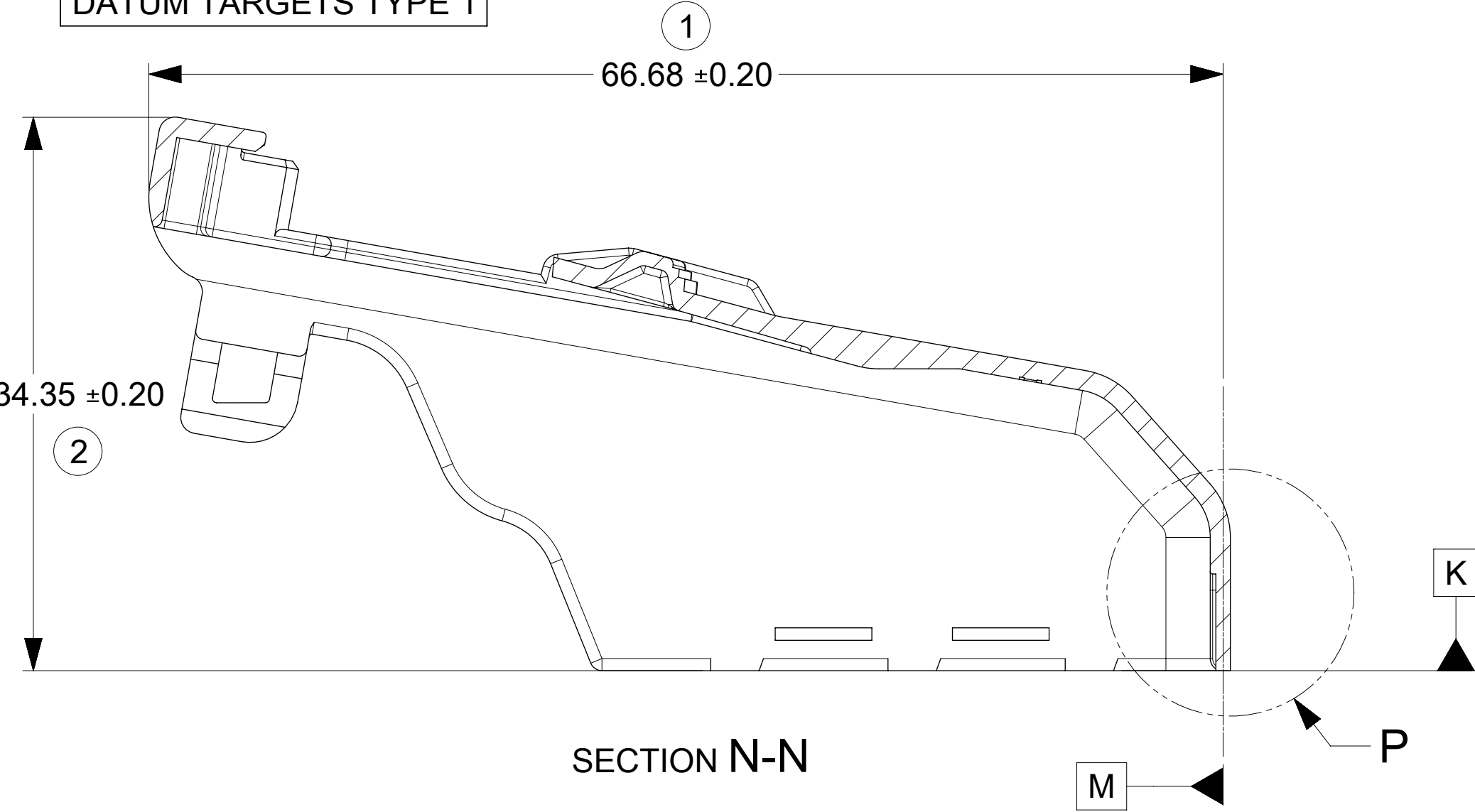
DETAIL C
SCALE 7:1



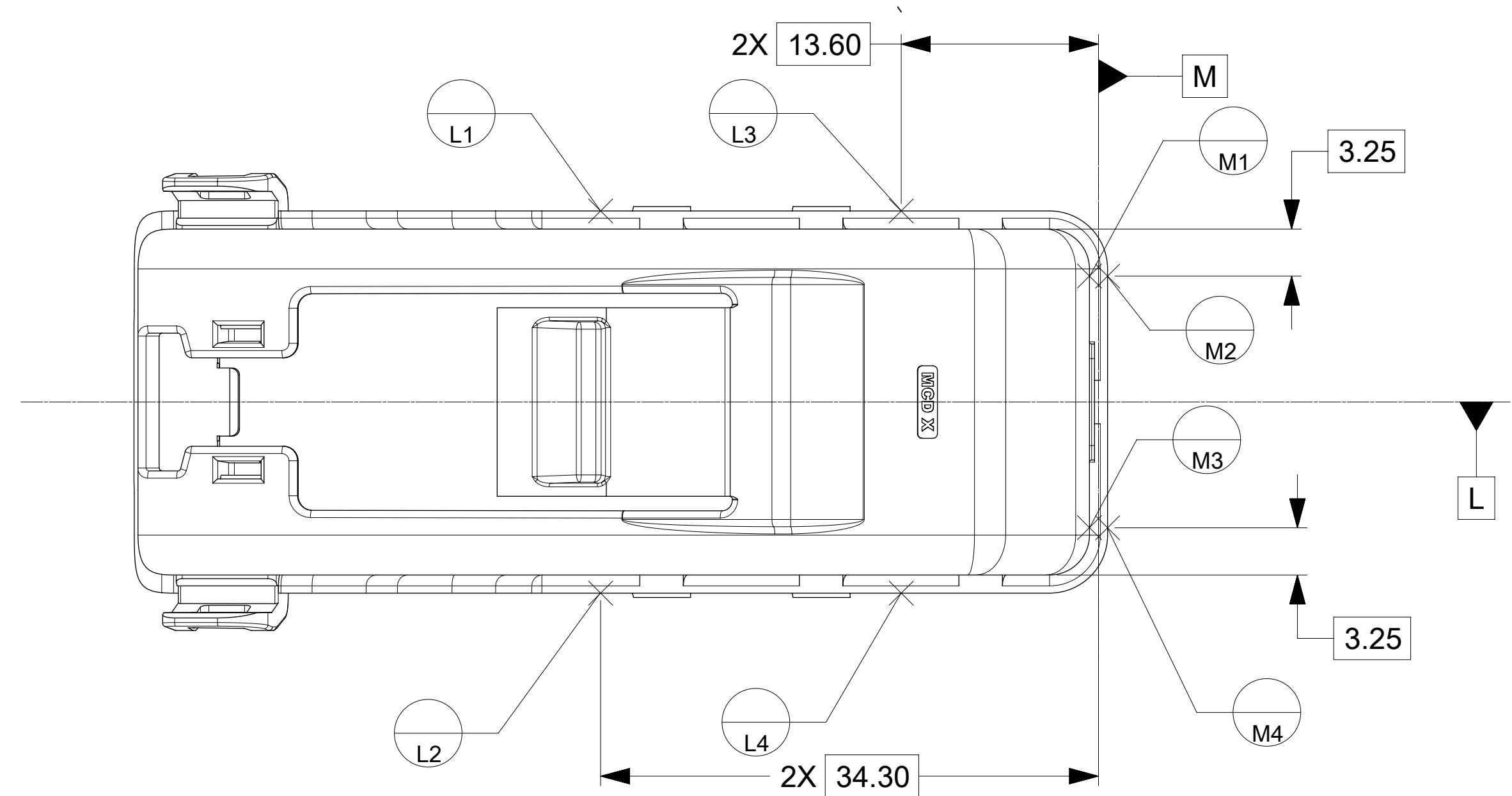
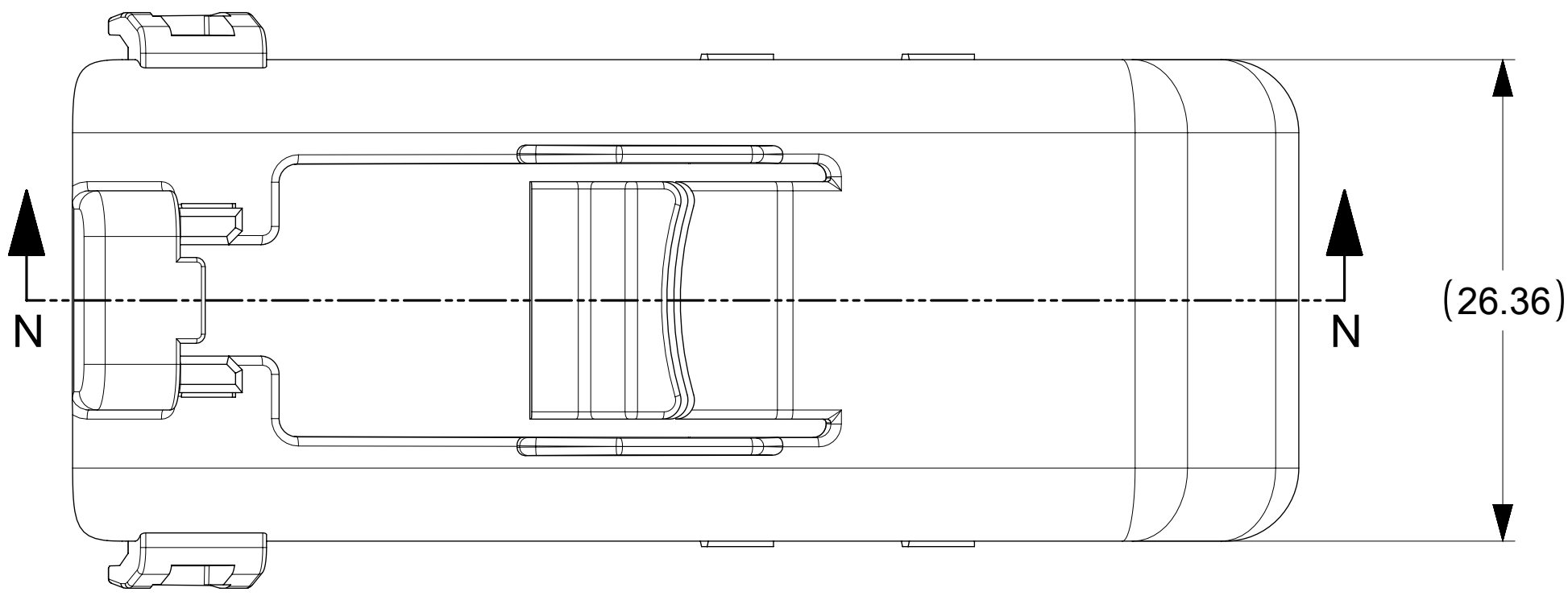
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RELEASE STATUS	P1	RELEASE DATE	2021/11/16	03:27:51
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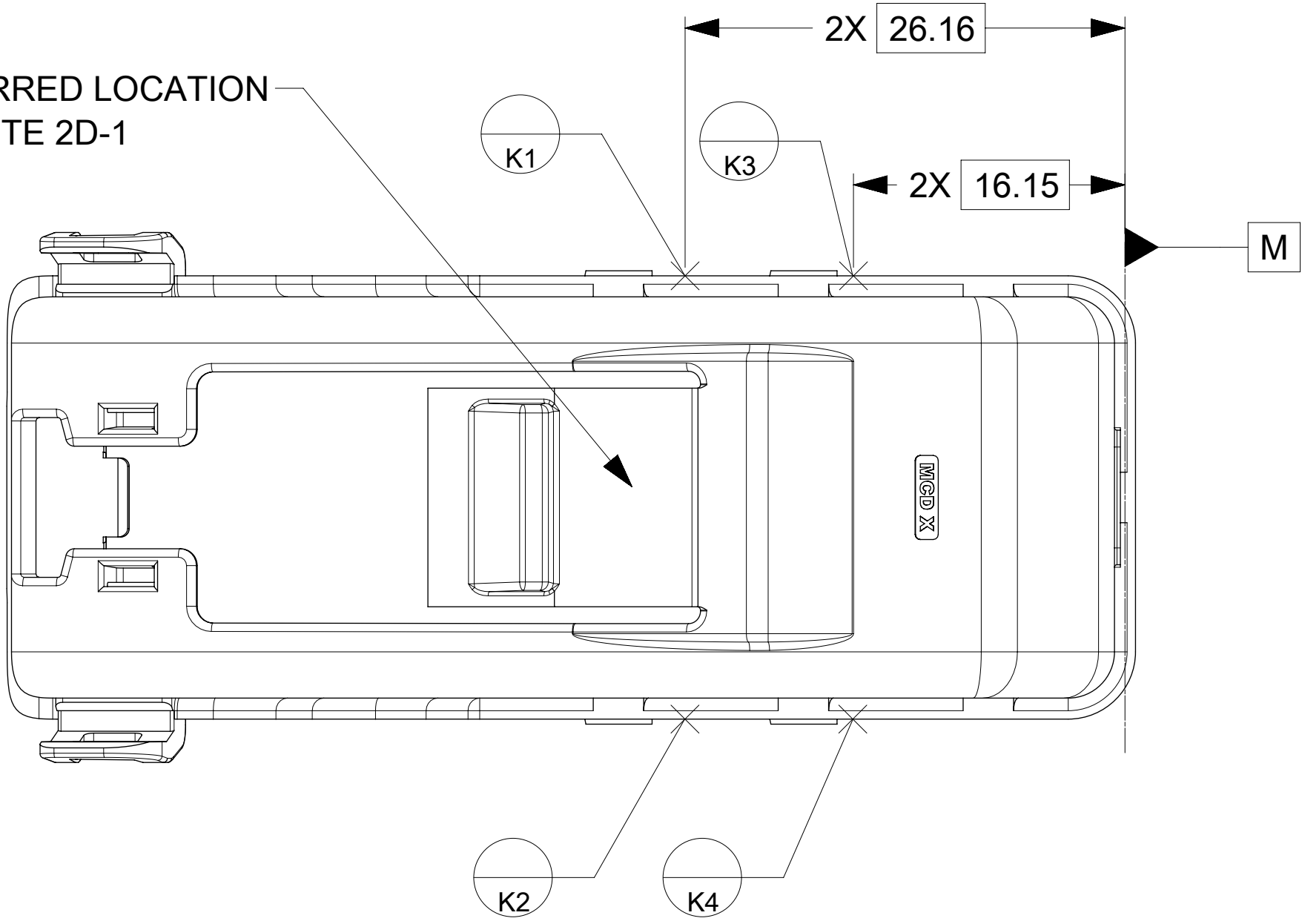
SHEET DESCRIPTION
DATUM TARGETS TYPE 1



DETAIL P
SCALE 7:1



PREFERRED LOCATION
SEE NOTE 2D-1



THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION															
QUALITY SYMBOLS		EC NO: 685152 DRWN: HKANG03 CHKD: STTAN APPR: STTAN		GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION UNITS		SCALE		molex® SDC56 56CKT DRESS COVER					
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						1600995001-SD		PSD		000		3 OF 3			

Mouser Electronics

Authorized Distributor

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Molex:

160099-0007