

NOTES

1. GENERAL:

- 1.1. ALL PRODUCT SPECIFICATIONS AND THEIR RELATED DOCUMENTS USING THIS FEATURE MUST REFERENCE THIS DOCUMENT AS THE CONTROLLING SPECIFICATION AND USE THE SAME BALLOON NUMBERS.
- 1.2. COMPLIANCY TO THIS DOCUMENT:

a) COMPLIANCY MAY BE CLAIMED BY MEETING THE REQUIREMENTS IN THIS SPECIFICATION WITH THE DEVIATION IDENTIFIED AND MAY BE REFERENCED IN OTHER DOCUMENTS (DRAWINGS, DVP&R, ETC.) AS 'CONFORMS TO MOLEX 347350050 REV X.X'.

b) PRODUCTS DESIGNED AFTER THE DATE OF RELEASE OF THIS DOCUMENT SHALL BE COMPLIANT TO THE CURRENT REVISION OF THIS DOCUMENT.

c) PRODUCTS THAT HAVE MET PREVIOUS REVISION(S) OF THIS DOCUMENT SPECIFICATION SHALL STILL BE CONSIDERED 'MOLEX STANDARDS COMPLIANT' TO THOSE REVISIONS AND DO NOT NEED TO BE RE-VALIDATED.
- 1.3. DEVIATIONS TO THIS DOCUMENT ARE ALLOWABLE UNDER THE FOLLOWING CONDITIONS:

a) ALL DEVIATIONS SHALL SHOW EQUAL OR BETTER PERFORMANCE (ELECTRICAL/MECHANICAL) AS REQUIRED BY VALIDATION SPECIFICATION.

b) EXCEPTIONS ARE CLEARLY IDENTIFIED ON THE PRODUCT SPECIFICATION.

c) ALL DEVIATIONS ARE APPROVED BY THE FOLLOWING INDIVIDUALS:

- PERSON WHO HAS INTERFACE RESPONSIBILITY

- PERSON WITH DESIGN STANDARD APPROVER AUTHORITY

d) ALL RECORDS OF DEVIATION APPROVALS SHALL BE INCLUDED WITH CHANGE NOTICE DOCUMENTATION.

2. DESIGN - MATERIALS:

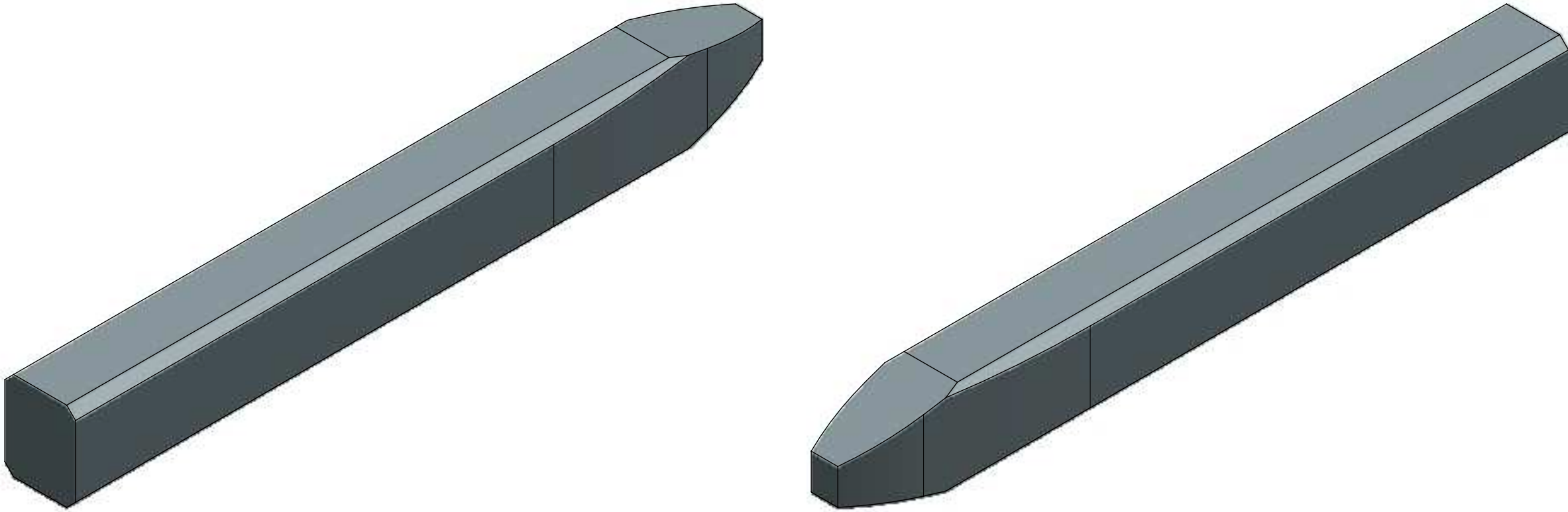
- 2.1. BASE MATERIAL TYPE : COPPER ALLOY

3. DESIGN - GEOMETRY:

- 3.1. THE 3-D CAD DATA IS BASIC (WITHOUT TOLERANCE) AND MASTER FOR THIS PART WITH EXCEPTION TO UNDERLINED DIMENSIONS. DIMENSIONAL INFORMATION NOT SHOWN ON THIS DRAWING IS DEFINED BY THE DATA FILE AT ITS LATEST REVISION.
- 3.2. PRODUCT DESIGN MODEL NUMBER(S): SEE BOM TABLE
- 3.3. GEOMETRIC DIMENSIONS AND TOLERANCES PER ASME Y14.5-2009
- 3.4. EDGES OF UNDEFINED SHAPE PER ISO 13715.
- 3.5. DIMENSIONS AND TOLERANCES APPLY BEFORE AND AFTER PLATING.
- 3.6. GENERAL TOLERANCES: SEE TITLE BLOCK

4. DESIGN - MANUFACTURING:

- 4.1. ANY REMAINING PROCESS LUBRICANT MUST NOT VARNISH OR DEGRADE ELECTRICAL PERFORMANCE. PROCESS LUBRICANTS SHOULD BE APPROVED BY THE RESPONSIBLE ENGINEER.
- 4.2. ALLOWABLE BURR: 0.03mm MAX UNLESS OTHERWISE SPECIFIED
- 4.3. FOR UNPLATES BLADES - TOOLING MARKS SPANNING ACROSS OR ALONG THE INTERFACING PROFILE OF THE BLADE SHOULD BE FURTHER INSPECTED. A TOOLING MARK DEEPER THAN 1 MICRON SHOULD NOT BE ACCEPTED.



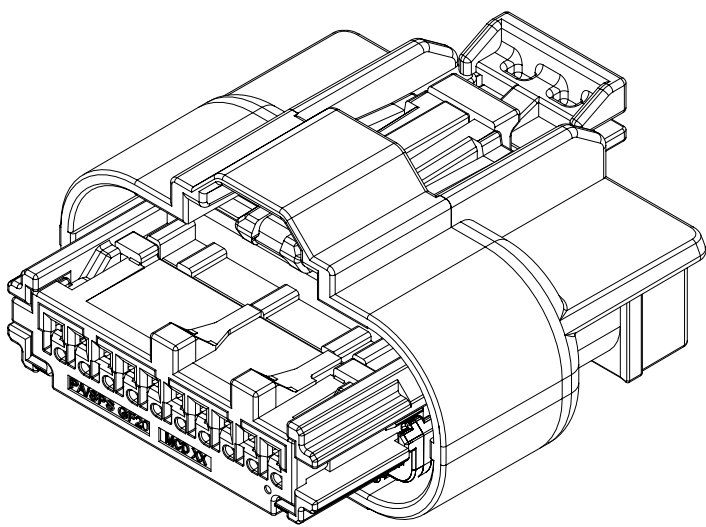
SCALE 50:1

0.5 MM PIN VIEW SHOWN FOR REPRESENTATION PURPOSES ONLY

QUALITY SYMBOLS = 0 = 0 = 0 = 0 = 0 = 0 = 0 = 0 = 0 = 0	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION										
	EC NO: 638183 DRWN: SJAZRAWI CHKD: YLEPOTTIER REV / APPR: YLEPOTTIER A19	2020/05/20 2020/05/23 2020/05/23	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION UNITS		SCALE	molex®			
			ANGULAR TOL ± °		mm		50:1				
			4 PLACES ±		DRWN BY		DATE				
			3 PLACES ± 0.015		SJAZRAWI		2016/08/16	DESIGN STANDARD HEADER PIN & BLADE TIP GEOMETRY FOR MATING TO HARNESS TERMINALS			
			2 PLACES ± 0.05		CHK'D BY		DATE				
			1 PLACE ± 0.1		APPR BY		DATE	PRODUCT CUSTOMER DRAWING			
			0 PLACES ±		YLEPOTTIER		2016/09/27	SERIES 34735	MATERIAL NUMBER		CUSTOMER
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		DRAWING SIZE		THIRD ANGLE PROJECTION				
					A1			DOCUMENT NUMBER		DOC TYPE	DOC PART
								347350050		PSD	000
											SHEET NUMBER
											1 OF 2

TABLE OF CONTENTS	
SHEET NO.	SHEET DESCRIPTION
1	NOTES AND PART NUMBER CHART
2	KEY CONFIGURATION
3	RECEPTACLE CONNECTOR ASSEMBLY

PART NUMBER AND MATING INTERFACE CHART						
PART NUMBER	KEY	COVER COLOR	TERMINAL POSITIONS PLUGGED	CPA INCLUDED	INTERFACE PART NUMER	
349671001	A	BLACK	NONE	YES	349681801	
349671002	B	LIGHT GRAY	NONE	YES	349681802	
349671003	C	DARK GRAY	NONE	YES	349681803	
349671004	D	STONE GRAY	NONE	YES	349681804	
349671005	A	BLACK	NONE	NO	349681801	
349671006	B	LIGHT GRAY	NONE	NO	349681802	
349671007	C	DARK GRAY	NONE	NO	349681803	
349671008	D	STONE GRAY	NONE	NO	349681804	
349671151	A	BLACK	5, 6, 7, 8	YES	349681801	



NOTES: VALID UNLESS OTHERWISE SPECIFIED

1. GENERAL:

A. APPLICATION SPECIFICATION SEE: AS-34894-0001

-CONTAINS: PRODUCT INTRODUCTION, PRODUCT SUMMARY, CONNECTOR ASSEMBLY, PACKAGING INFORMATION, CONNECTOR MATING, SERVICE INSTRUCTIONS, ELECTRICAL CONTINUITY CHECKING, CRIMPING, AND TROUBLESHOOTING.

B. TERMINALS TO BE USED WITH THIS ASSEMBLY:

MOLEX CTX50 SEALED RECEPTACLE TERMINALS
FOR INFORMATION ON TERMINALS SEE MOLEX DRAWING 349050400 AND TERMINAL PRODUCT SPECIFICATION PS-34905-001.

C. CONNECTOR PRODUCT SPECIFICATION SEE 349670001 PS

CONTAINS: PRODUCT INTRODUCTION, PRODUCT SUMMARY, RATINGS AND PRODUCT VALIDATION.
VALIDATED TO USCAR 2 REV 6.
RATINGS: T3 V1 S2

D. DESIGNED TO MATE WITH DEVICE INTERFACE AS SPECIFIED IN PART NUMBER AND INTERFACE CHART. SEE MOLEX DRAWING 349681800 FOR INTERFACE SPECIFICATION.

E. ASSEMBLY SHIPPED WITH ISL IN PRE-LOCK POSITION (SEE ISL PRE-LOCK VIEW SHEET 3).

F. PACKAGING SPECIFICATION PER MOLEX DRAWING: PK-31301-898

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

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

2. DESIGN - MATERIALS:

CONNECTOR HOUSING: SPS/NYLON GF20 BLACK

TERMINAL HOUSING: SPS/NYLON GF20 BLACK

COVER: SPS/NYLON GF20 COLORS IN PART NUMBER CHART

ISL: SPS GF30 NATURAL

MAT SEAL: INHERENTLY LUBRICATED SILICONE LIGHT BLUE

RING SEAL: INHERENTLY LUBRICATED SILICONE RUST RED

CPA (OPTIONAL): PBT GF30 RED

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

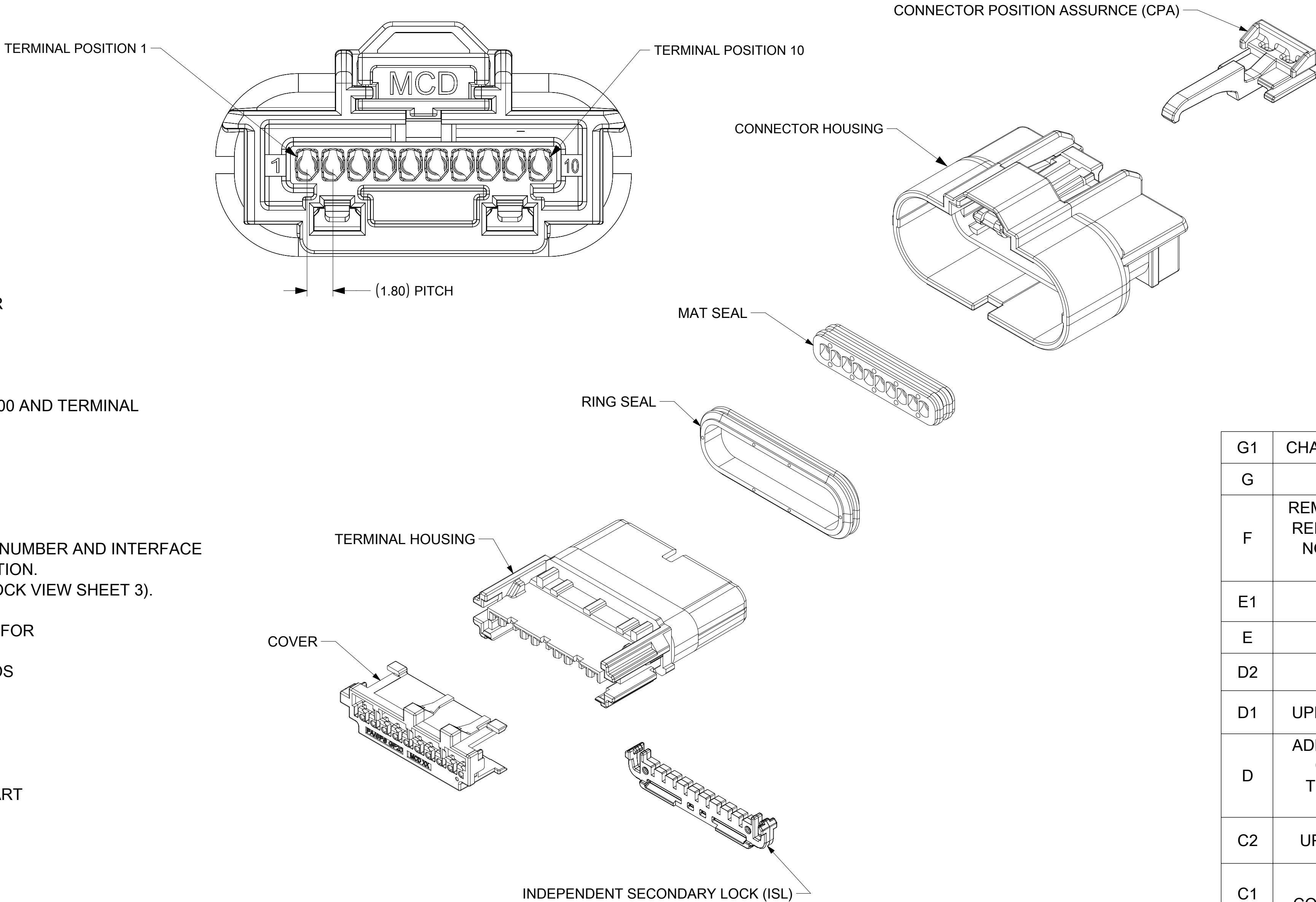
D. CORNERS SHOWN AS SHARP TO BE R 0.2 MAX.

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. PARTS ARE LASER MARKED WITH PART NUMBER AND DATE CODE



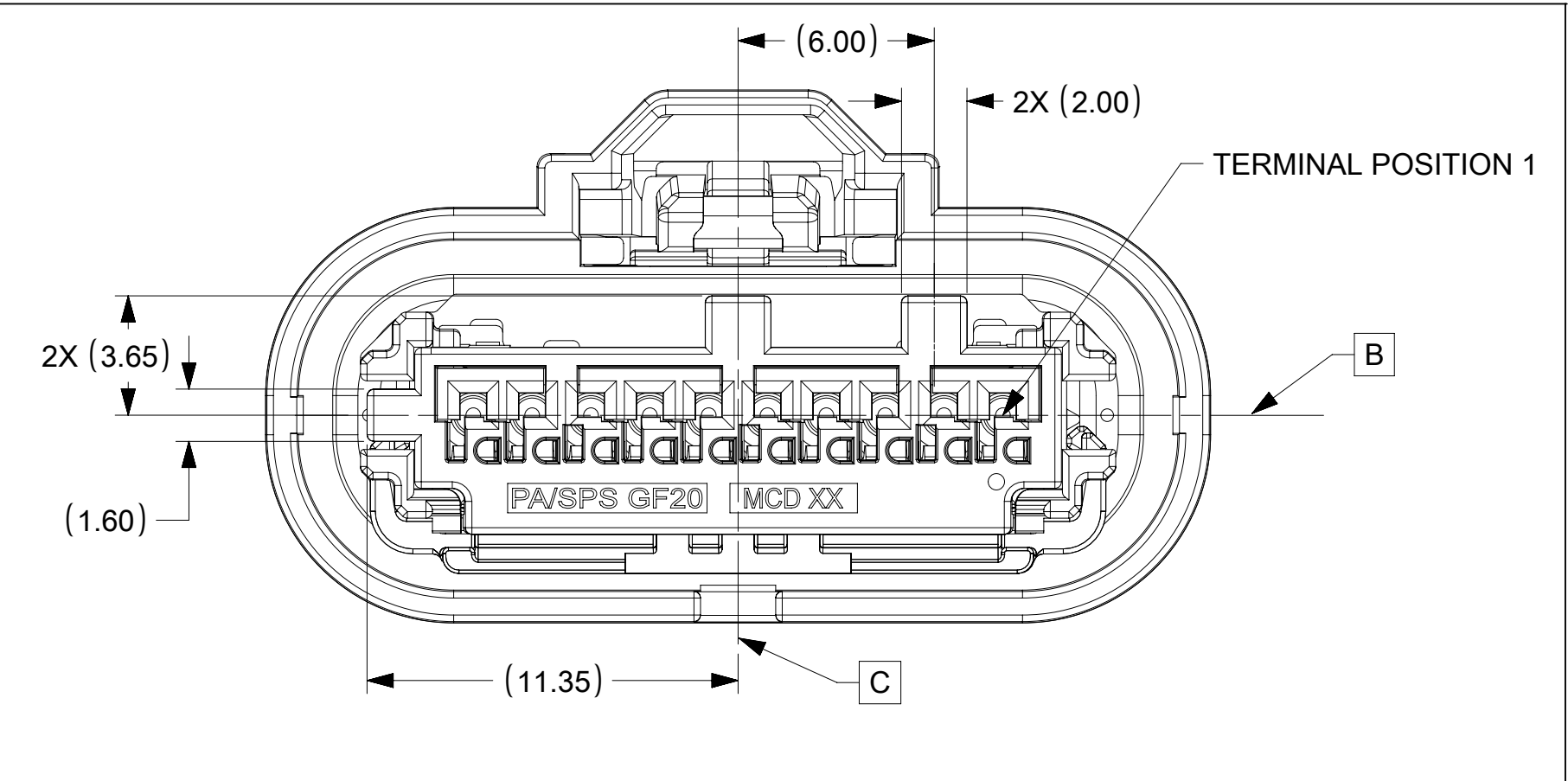
INSPECTION NUMBER LOG	
LAST NUMBER: 15	
ADDED:	
REMOVED: 2,4,7,8,9,13,14	

G1	CHANGED BASIC DIMS TO REF DIMS
G	ADDED PART NUMBER
F	REMOVED DEVELOPMENT NOTICE. REMOVED TERMINAL TABLE FROM NOTES. ADDED REF DIMS TO ID DATUMS.
E1	REMOVED PART NUMBER
E	MODIFIED KEYS
D2	ADDED PART NUMBER
D1	UPDATED INFORMATION IN NOTES
D	ADDED PART NUMBER TO CHART. COVER GEOMETRY UPDATE. TOLERANCE CHANGES. NOTES CHANGES.
C2	UPDATED PART NUMBER CHART
C1	ADDED PART NUMBER. CORRECTIONS & CLARIFICATIONS
C	RELEASE
REV	REV DESCRIPTION

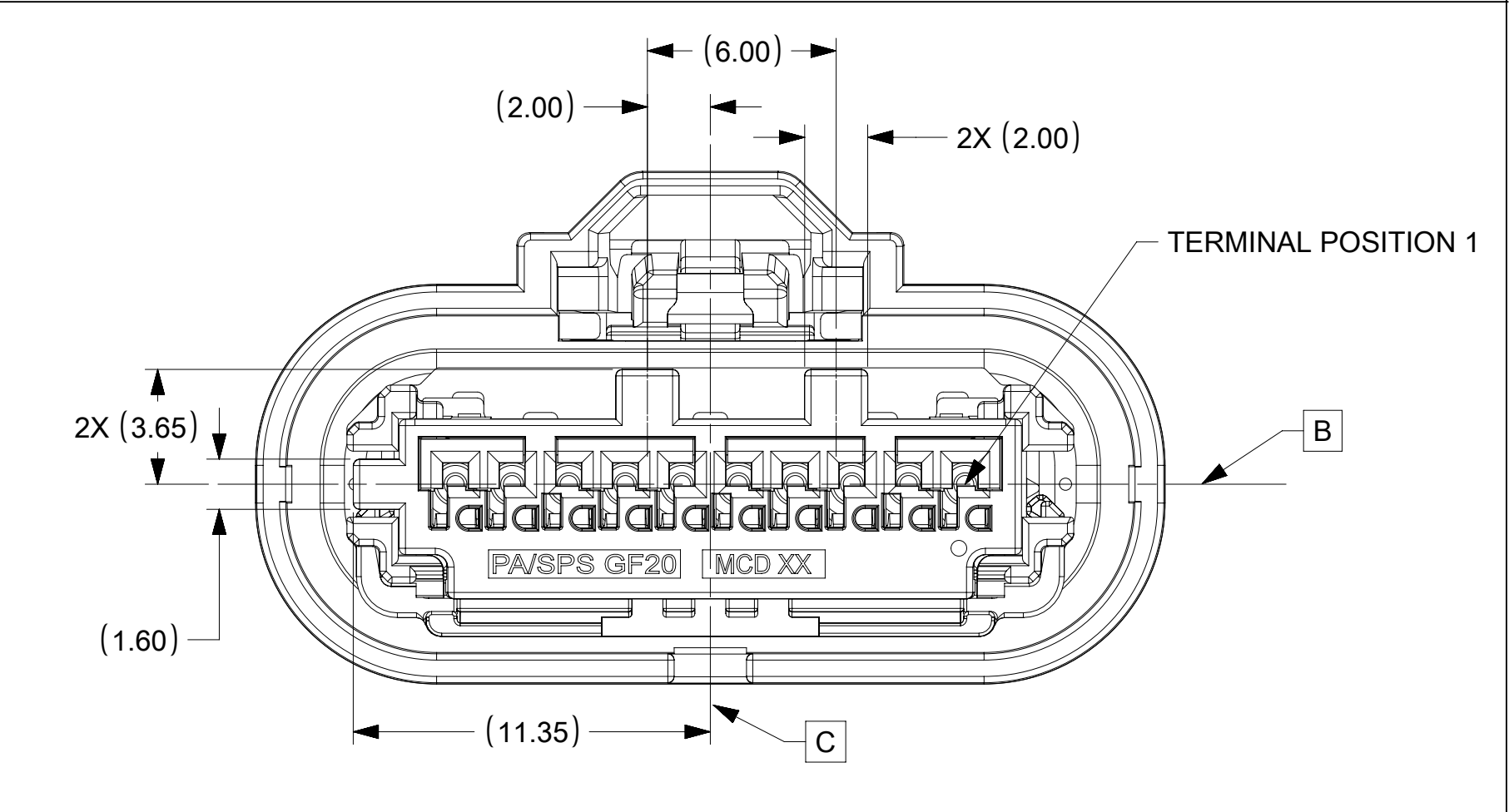
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION																	
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		GENERAL TOLERANCES (UNLESS SPECIFIED)															
		ANGULAR TOL ± 0.3 °															
		4 PLACES		±													
DIVISIONAL SYMBOLS		3 PLACES		±		2021/03/09				PRODUCT CUSTOMER DRAWING							
		2 PLACES		± 0.1		2021/03/11											
		1 PLACE		± 0.2		2021/03/11											
		0 PLACES		±		2016/04/26											
						2016/05/19											
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION				DRAWING		SERIES		DOCUMENT NUMBER		DOC TYPE		DOC PART		REVISION	
						A1-SIZE		34967		349671000		PSD		000		G1	
										MATERIAL NUMBER		CUSTOMER		SHEET NUMBER			
														1 OF 3			

SHEET DESCRIPTION

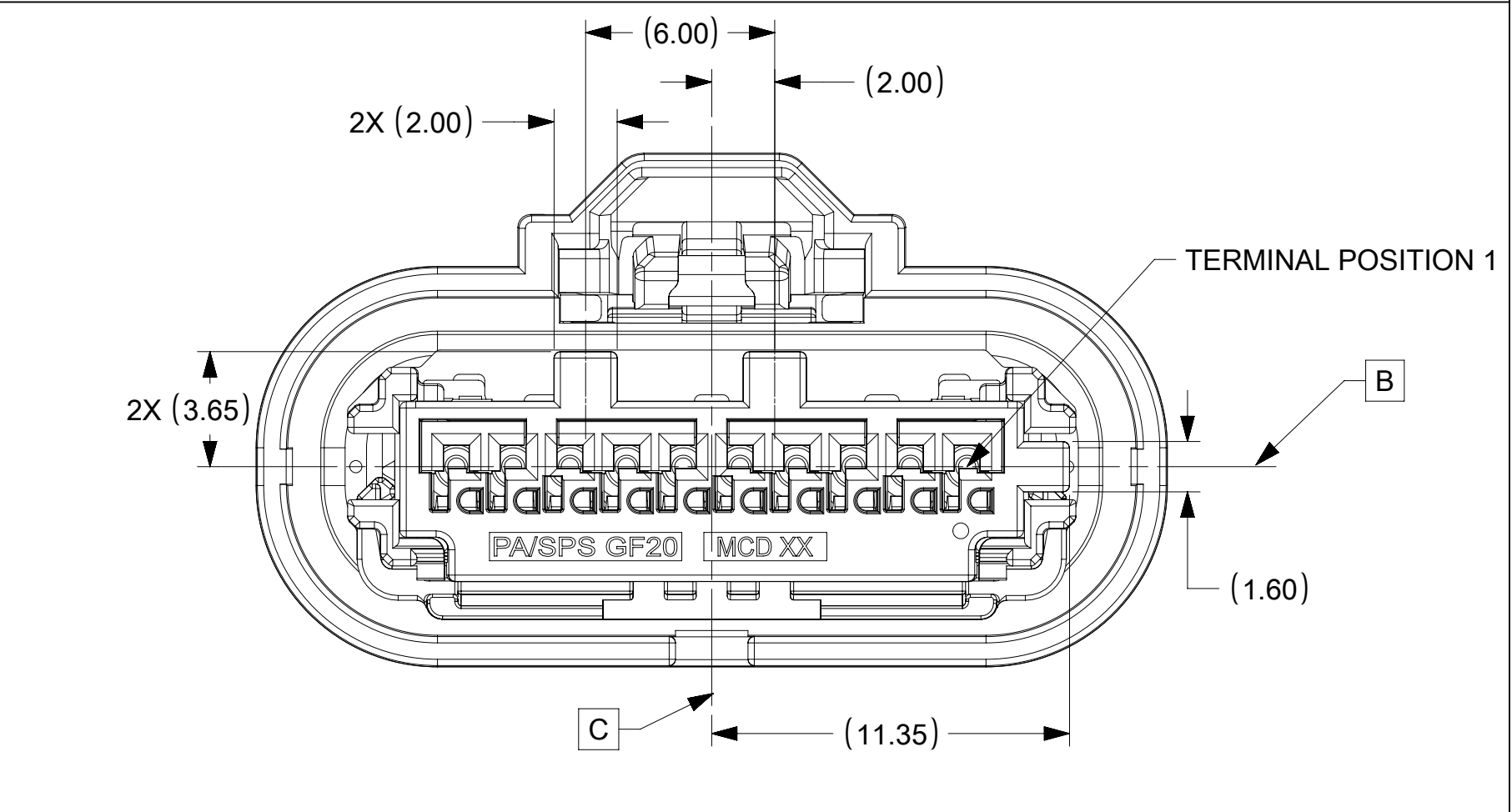
KEY CONFIGURATIONS



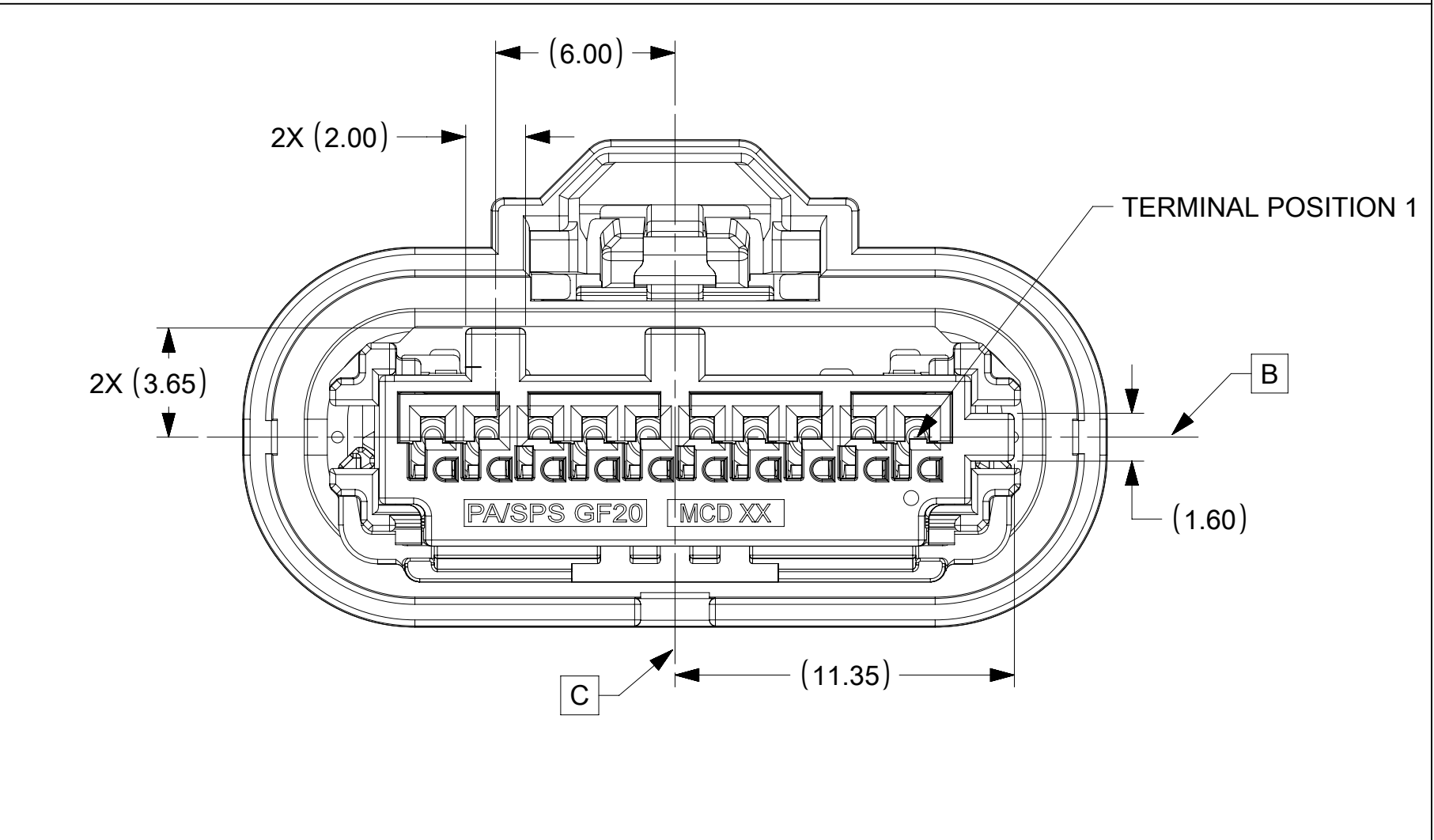
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KEY B



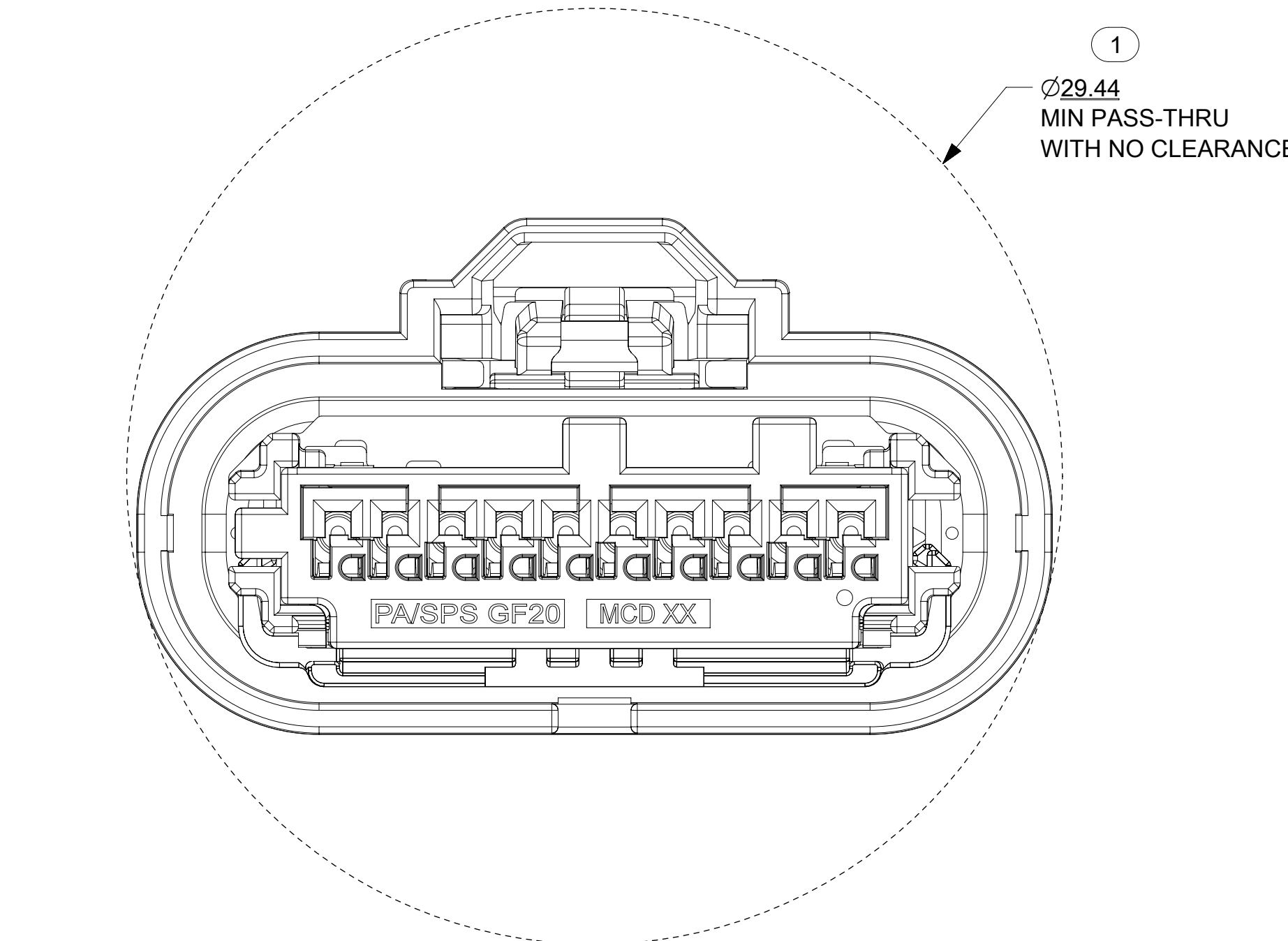
KEY C



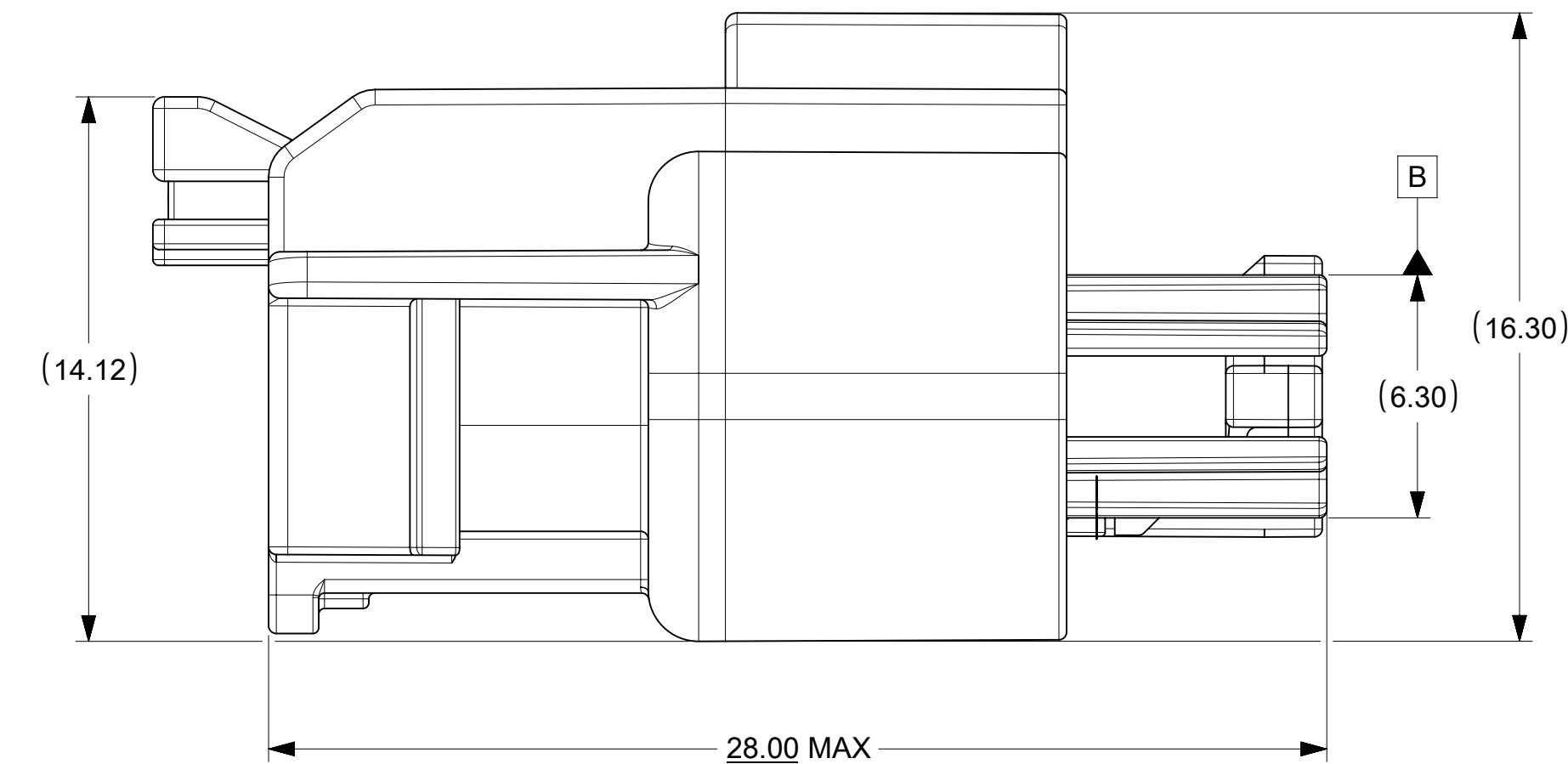
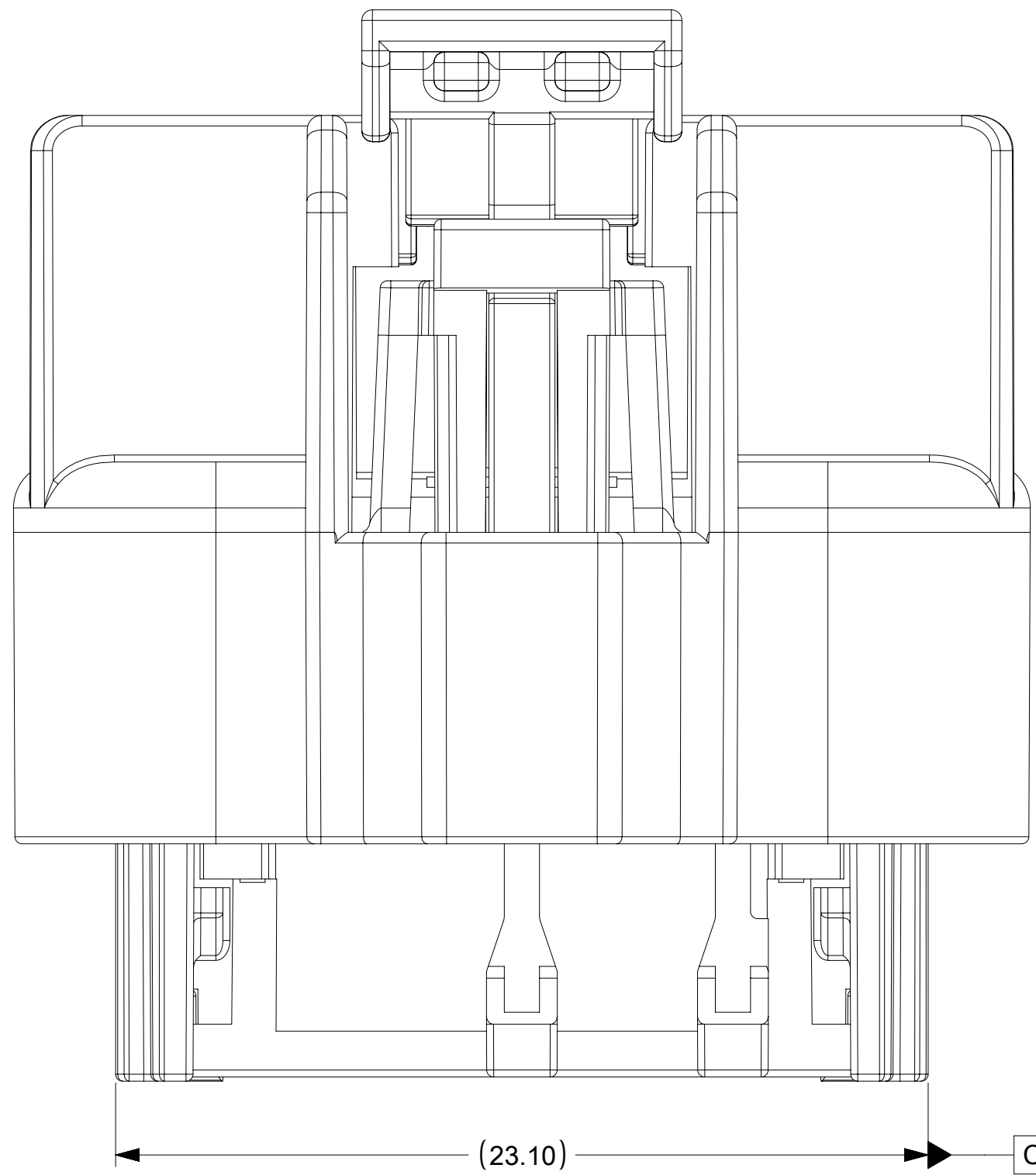
KEY D

FUNCTIONAL SYMBOLS	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION										molex				
	DIMENSION UNITS		SCALE		CURRENT REV DESC: CHANGED BASIC DIMS TO REF DIMS										
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	= 0									ANGULAR TOL ± 0.3 °					
	= 0			EC NO: 657824 DRWN: MLI149 CHK'D: JCONDON APPR: JCONDON											
	DIVISIONAL SYMBOLS	4 PLACES ±								2021/03/09					
		3 PLACES ±		2021/03/11											
		2 PLACES ± 0.1								2021/03/11					
		1 PLACE ± 0.2		INITIAL REVISION: DRWN: MNS02 APPR: KDEKOSKI											
		0 PLACES ±								2016/04/26 2016/05/19					
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				THIRD ANGLE PROJECTION		DRAWING		SERIES							
						A1-SIZE		34967						2 OF 3	

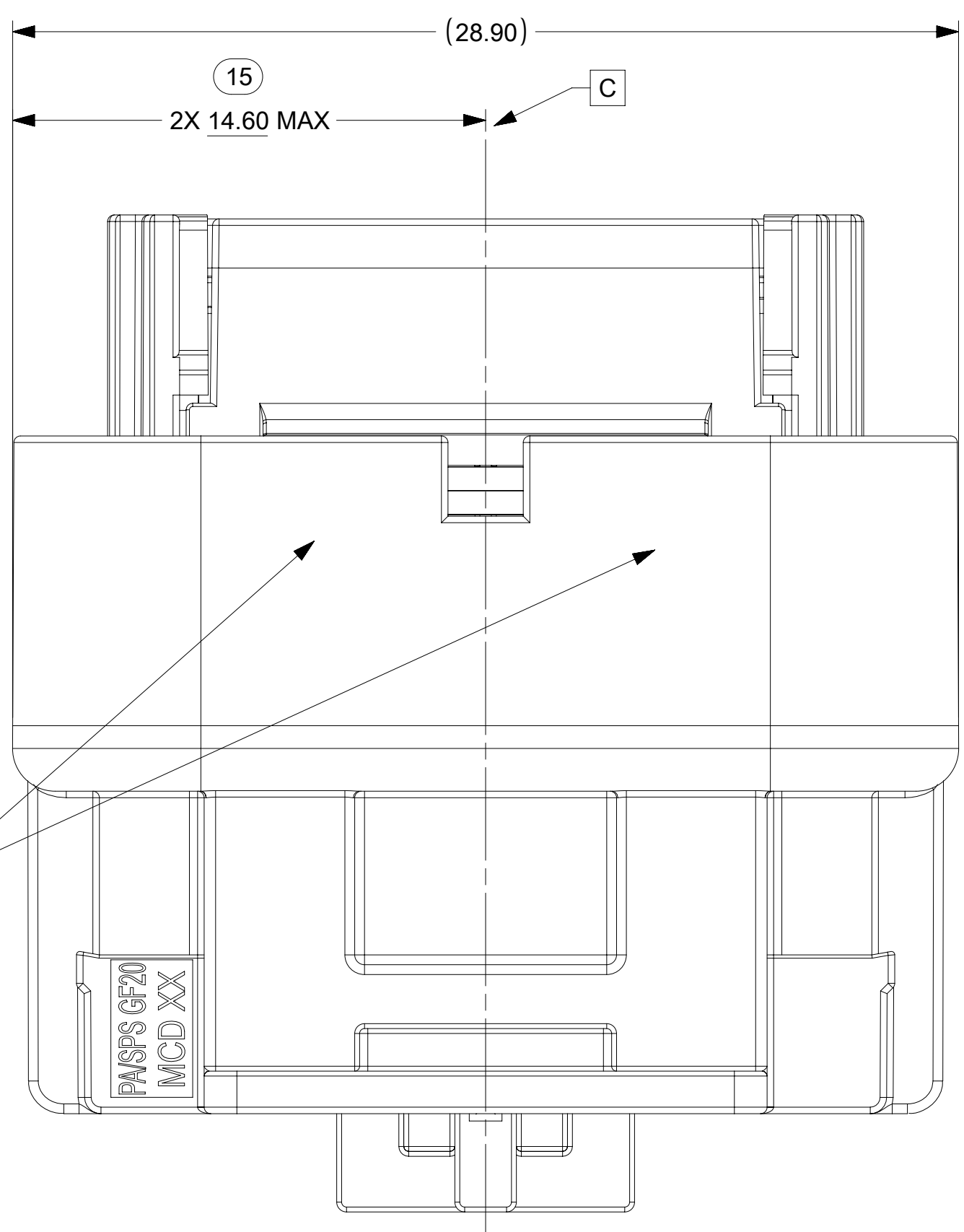
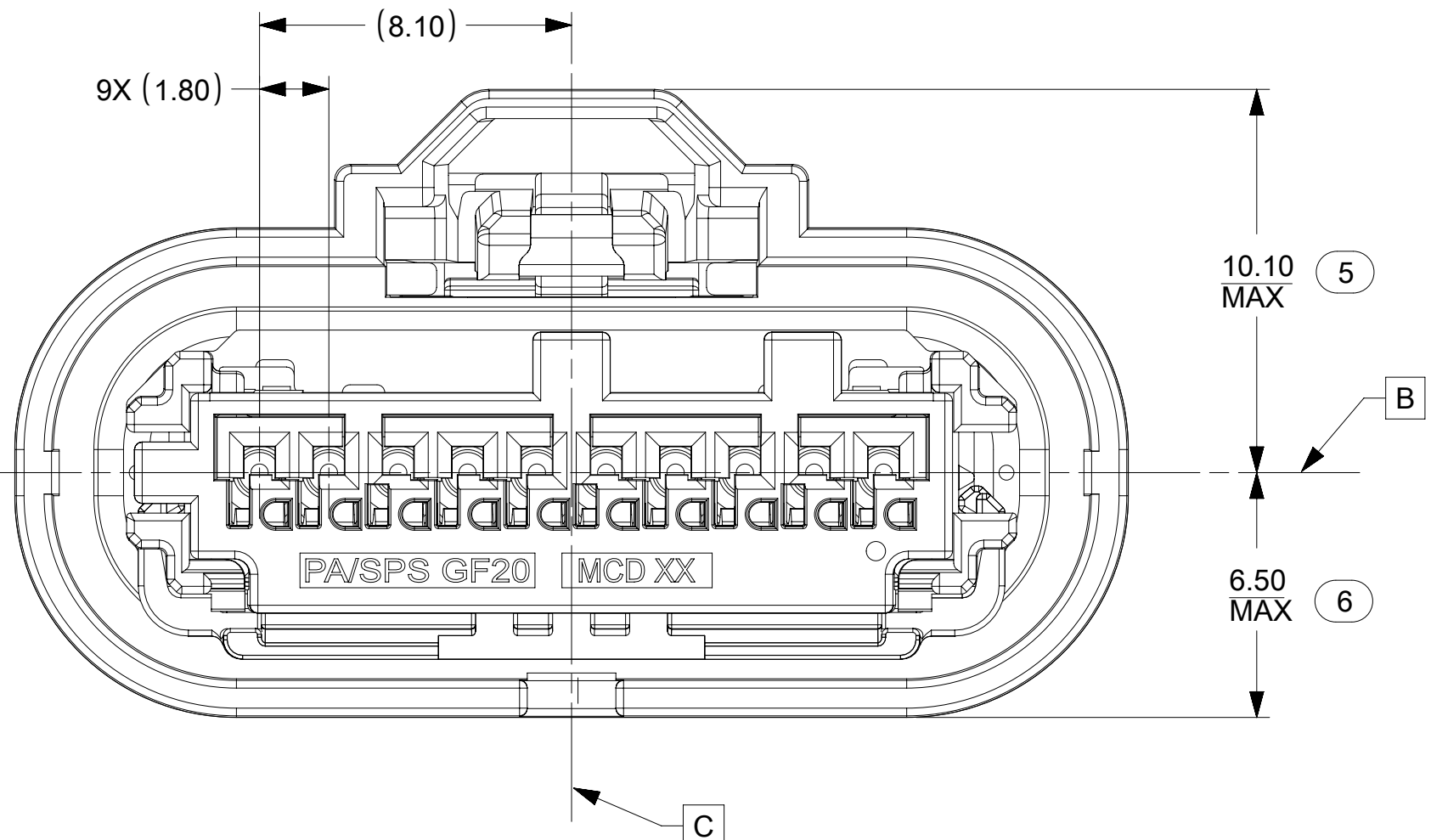
SHEET DESCRIPTION
RECEPTACLE CONNECTOR ASSEMBLY



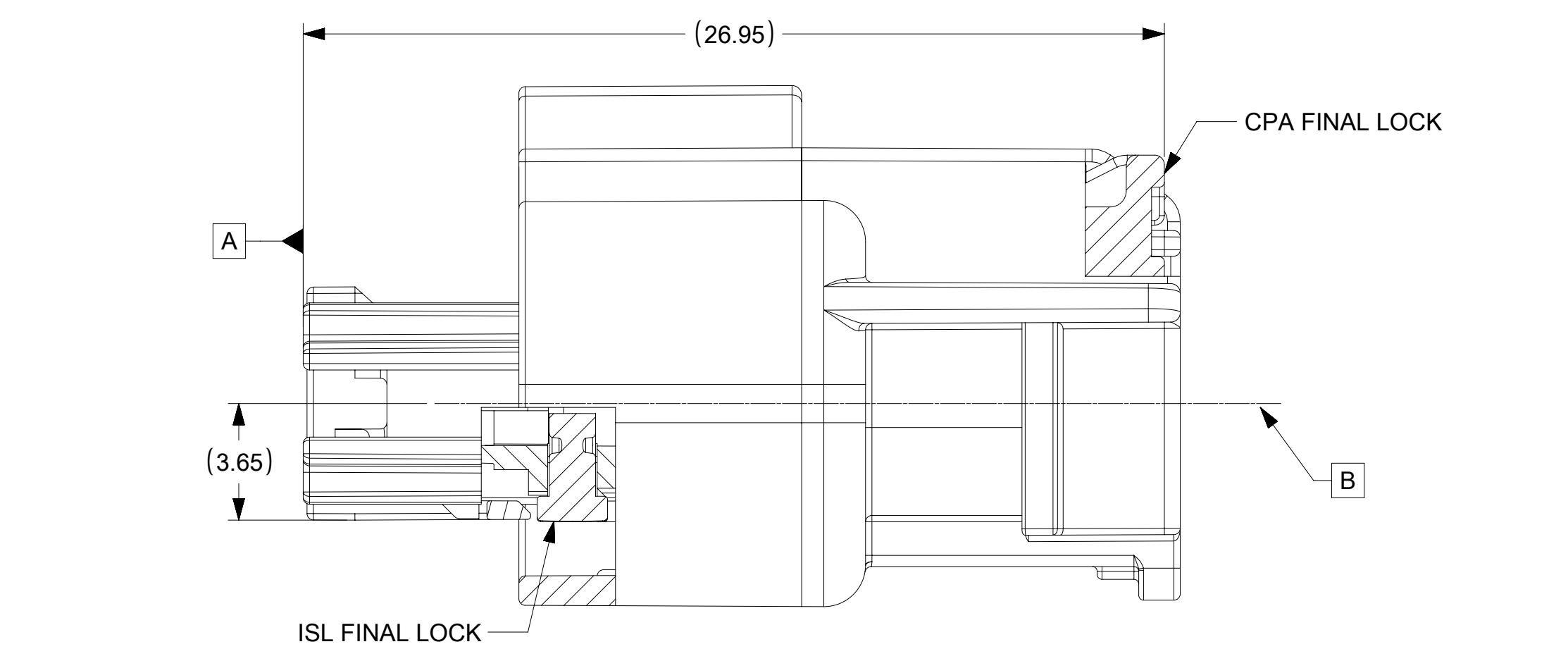
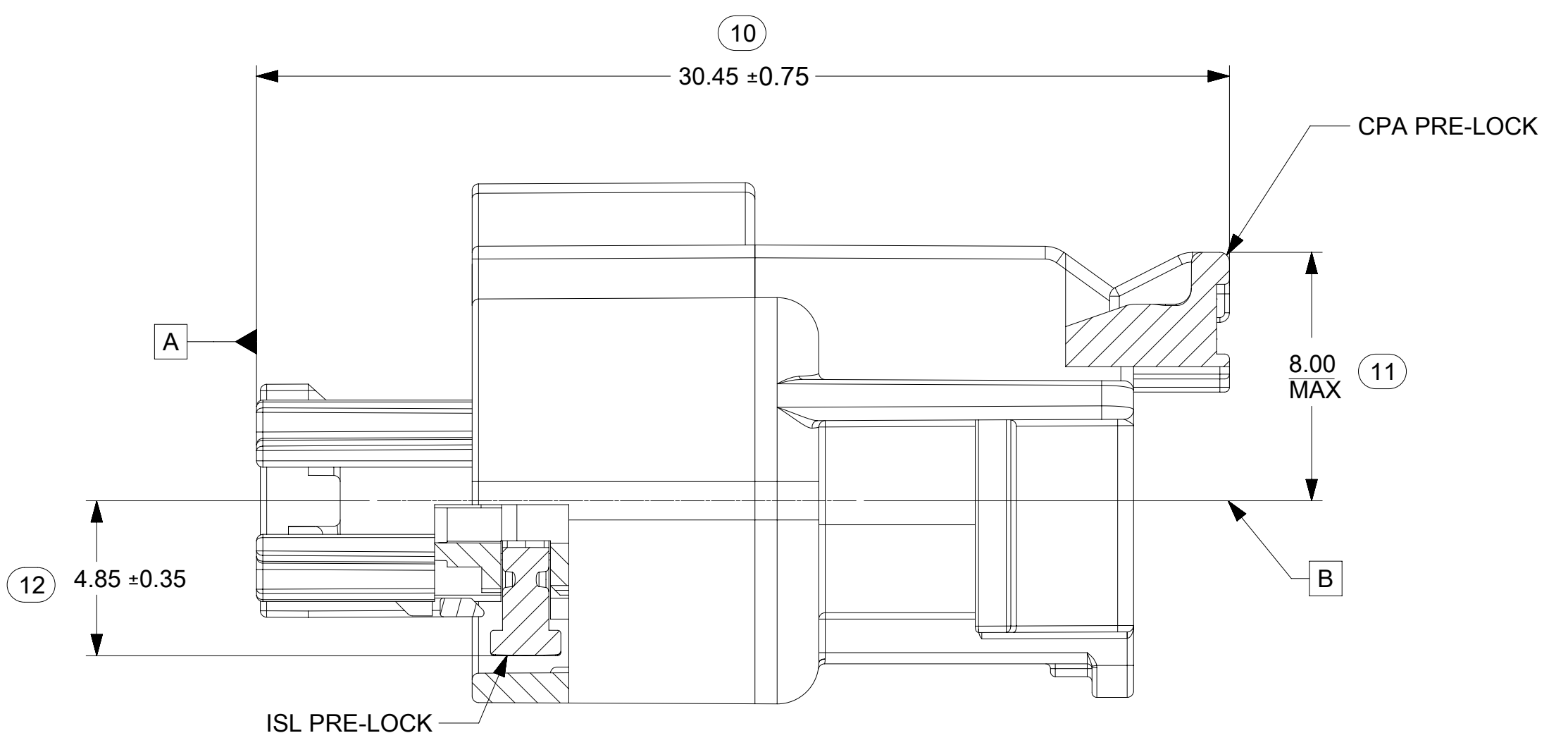
1
Ø29.44
MIN PASS-THRU
WITH NO CLEARANCE



3
28.00 MAX



LASER MARKING:
PART # & DATE CODE
SEE NOTE 3g.



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		CURRENT REV DESC: CHANGED BASIC DIMS TO REF DIMS	
	DIMENSION UNITS	SCALE	EC NO: 657824	
	mm	1:1	DRWN: MLI149	
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DIVISIONAL SYMBOLS	ANGULAR TOL ± 0.3 °		CHK'D: JCONDON	
	4 PLACES ±		APPR: JCONDON	
	3 PLACES ±		2021/03/11	
	2 PLACES ± 0.1		2021/03/11	
DIVISIONAL SYMBOLS	1 PLACE ± 0.2		INITIAL REVISION:	
	0 PLACES ±		DRWN: MNS02	
	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		2016/04/26	
	THIRD ANGLE PROJECTION		2016/05/19	
DRAWING		SERIES	A1-SIZE 34967	
DOCUMENT NUMBER		CUSTOMER	SHEET NUMBER	
349671000			3 OF 3	
DOC TYPE		DOC PART	REVISION	
PSD		000	G1	

molex

MINI50 SEALED 1X10 RCPT ASSY

PRODUCT CUSTOMER DRAWING

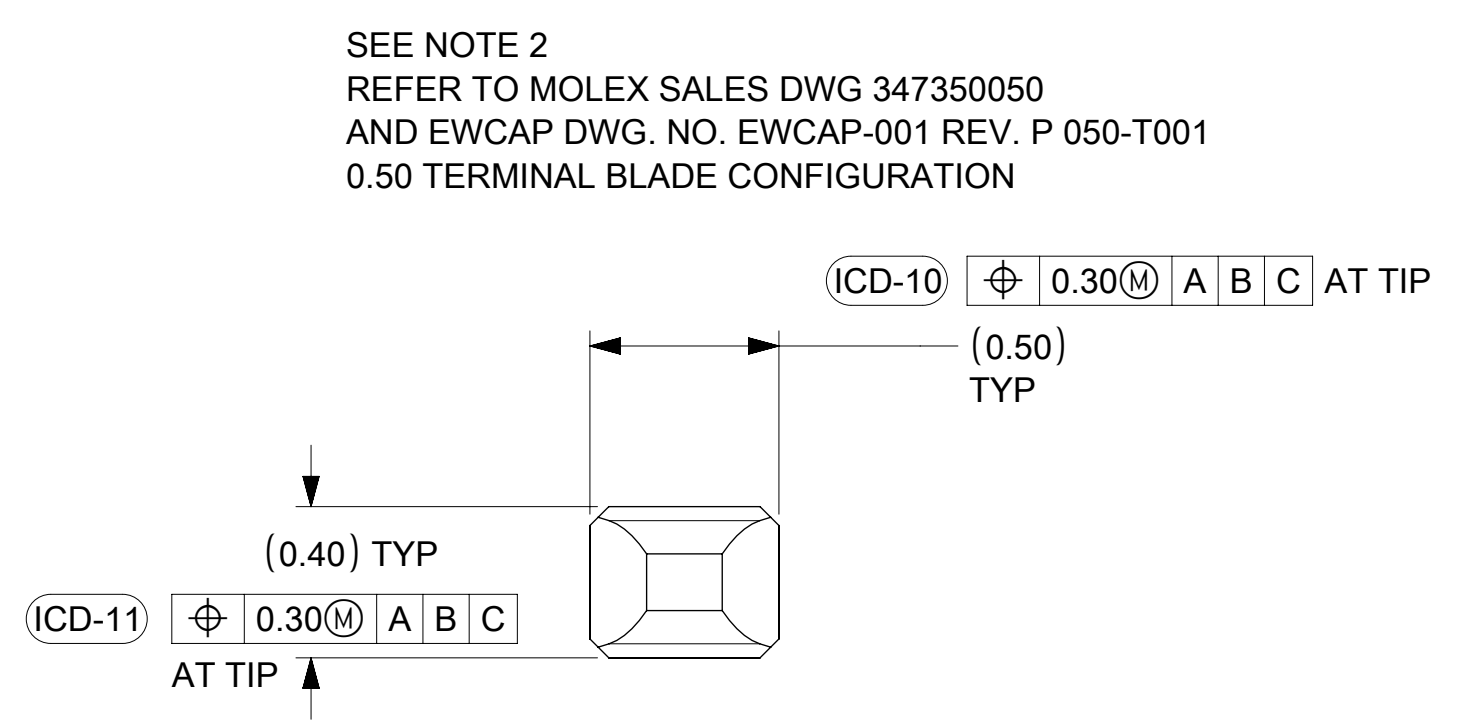
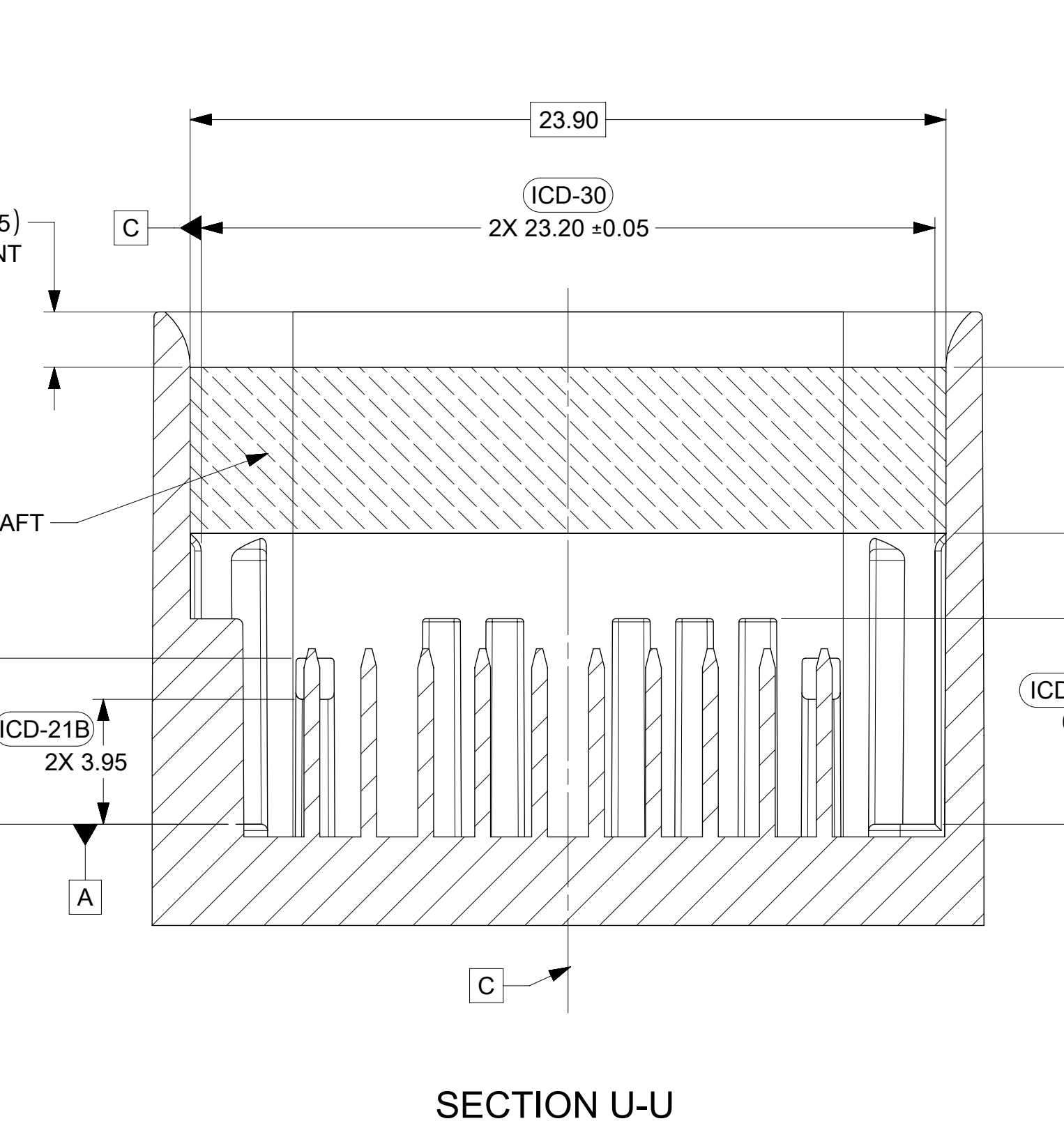
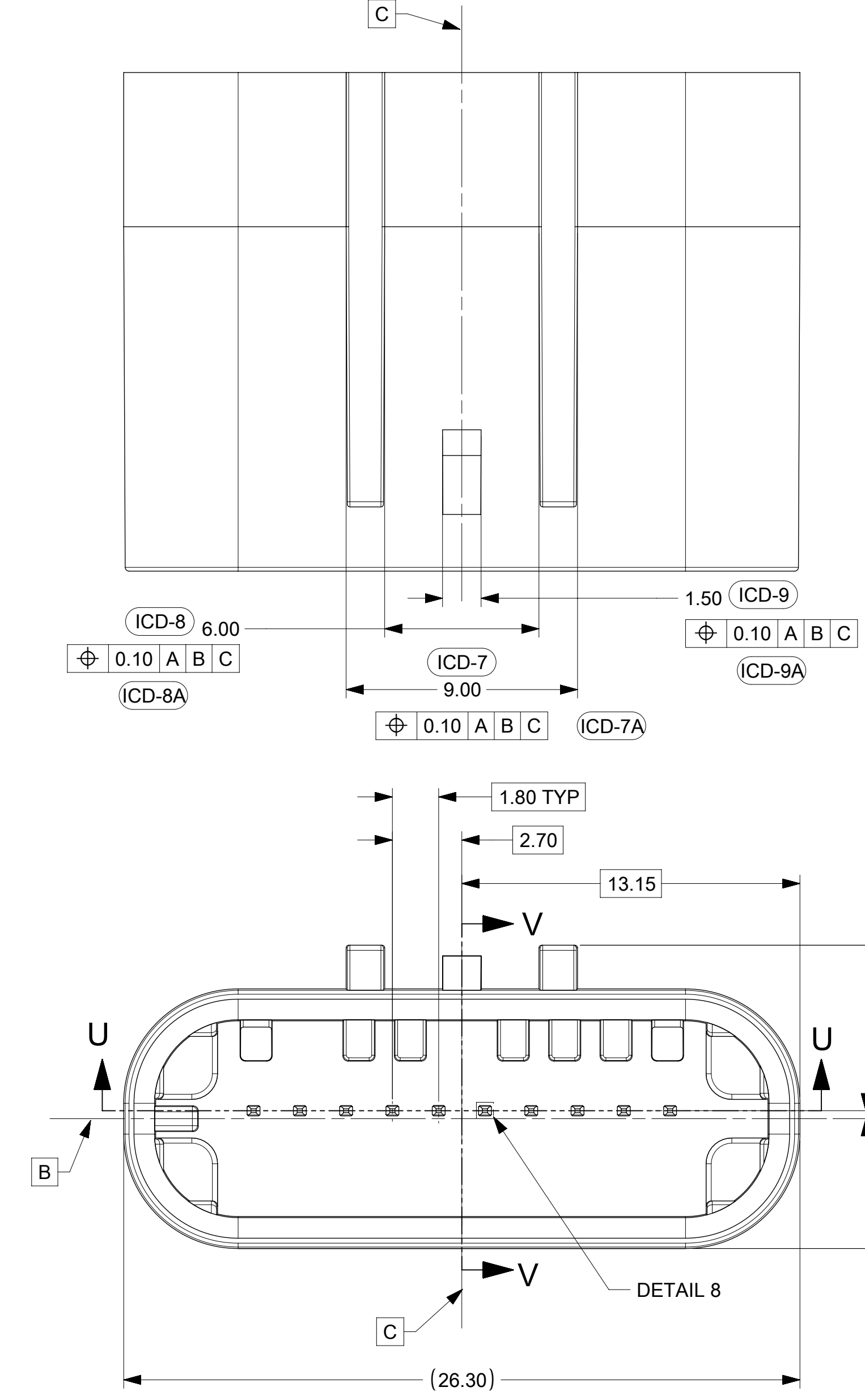
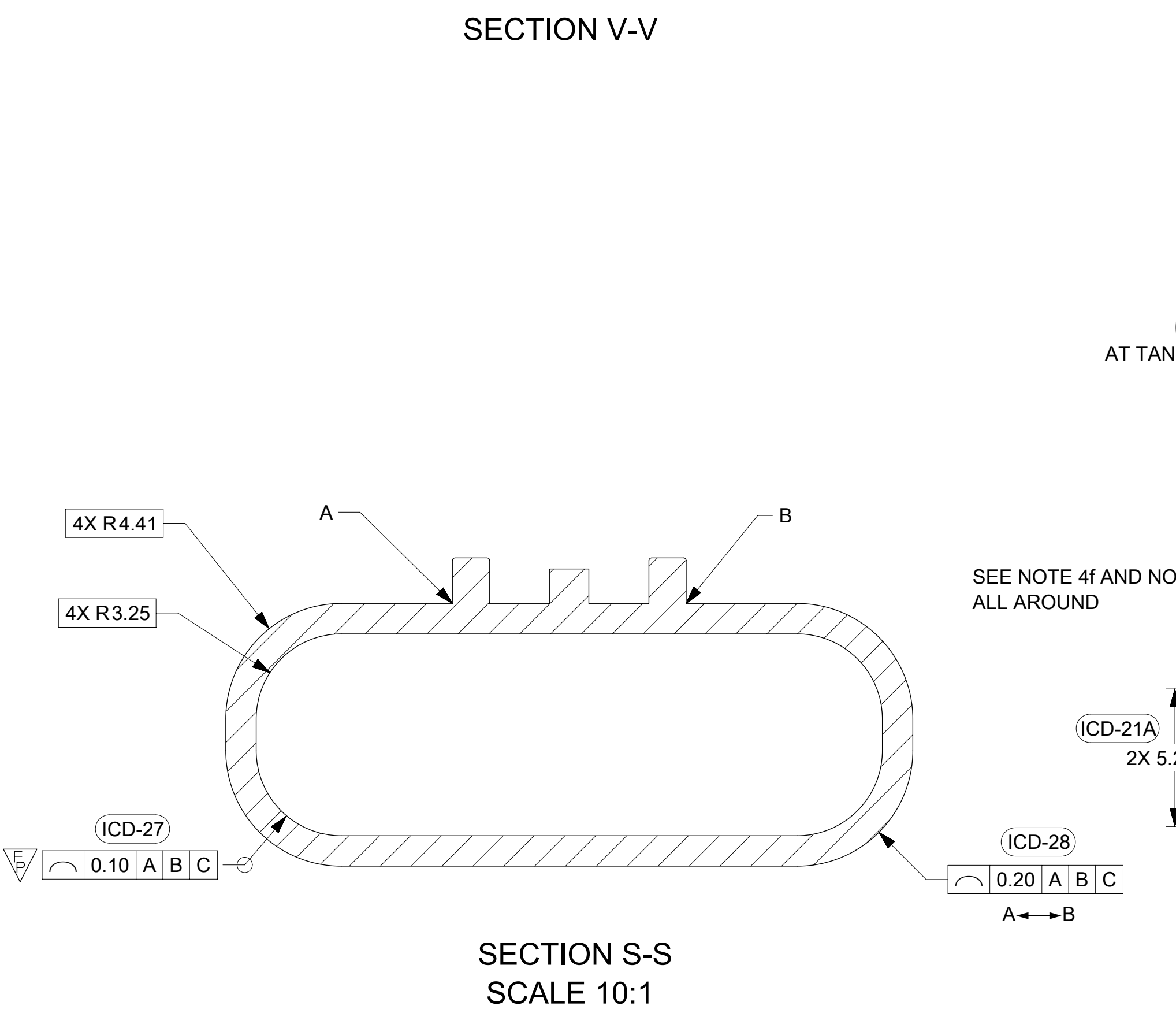
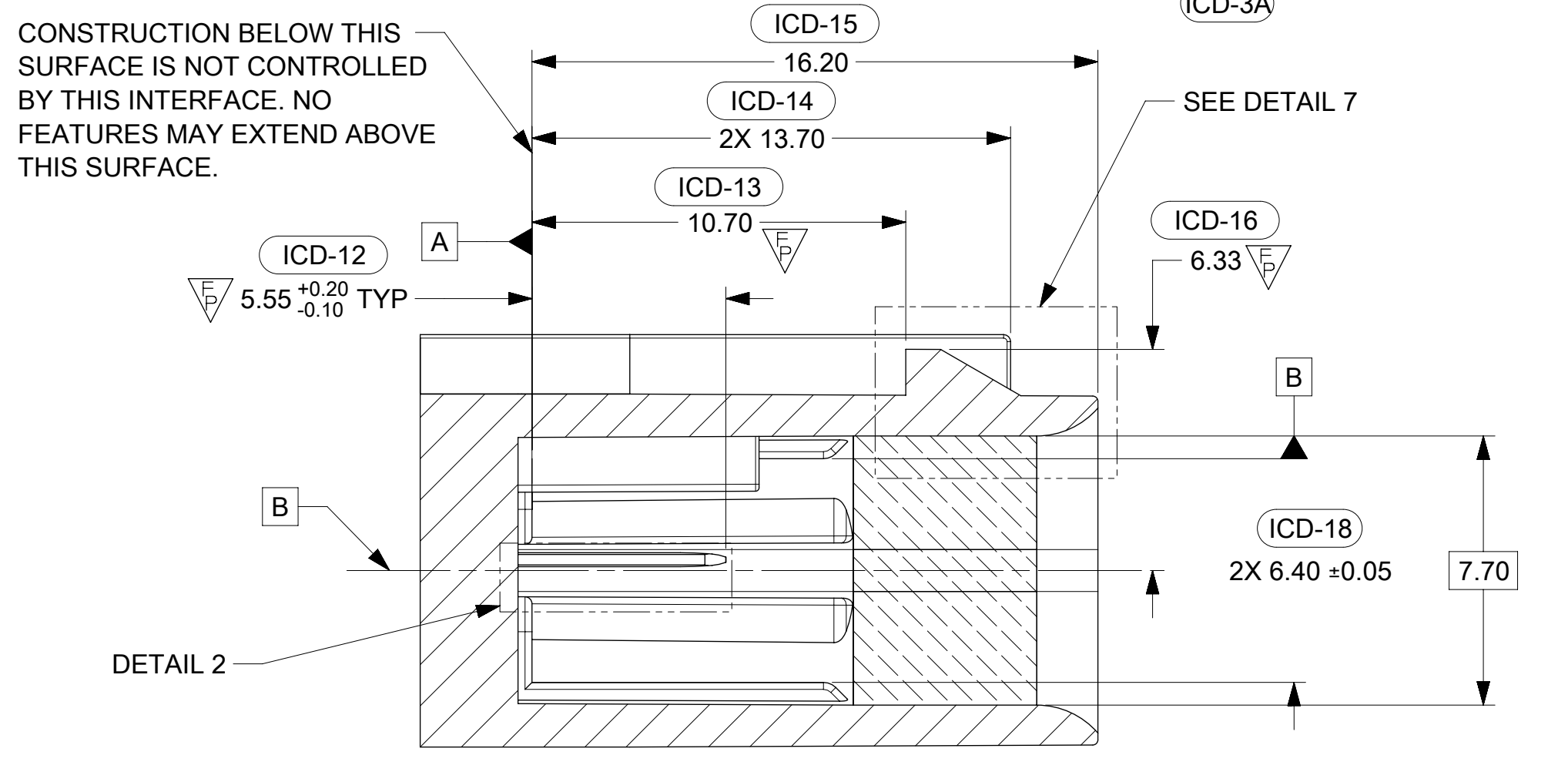
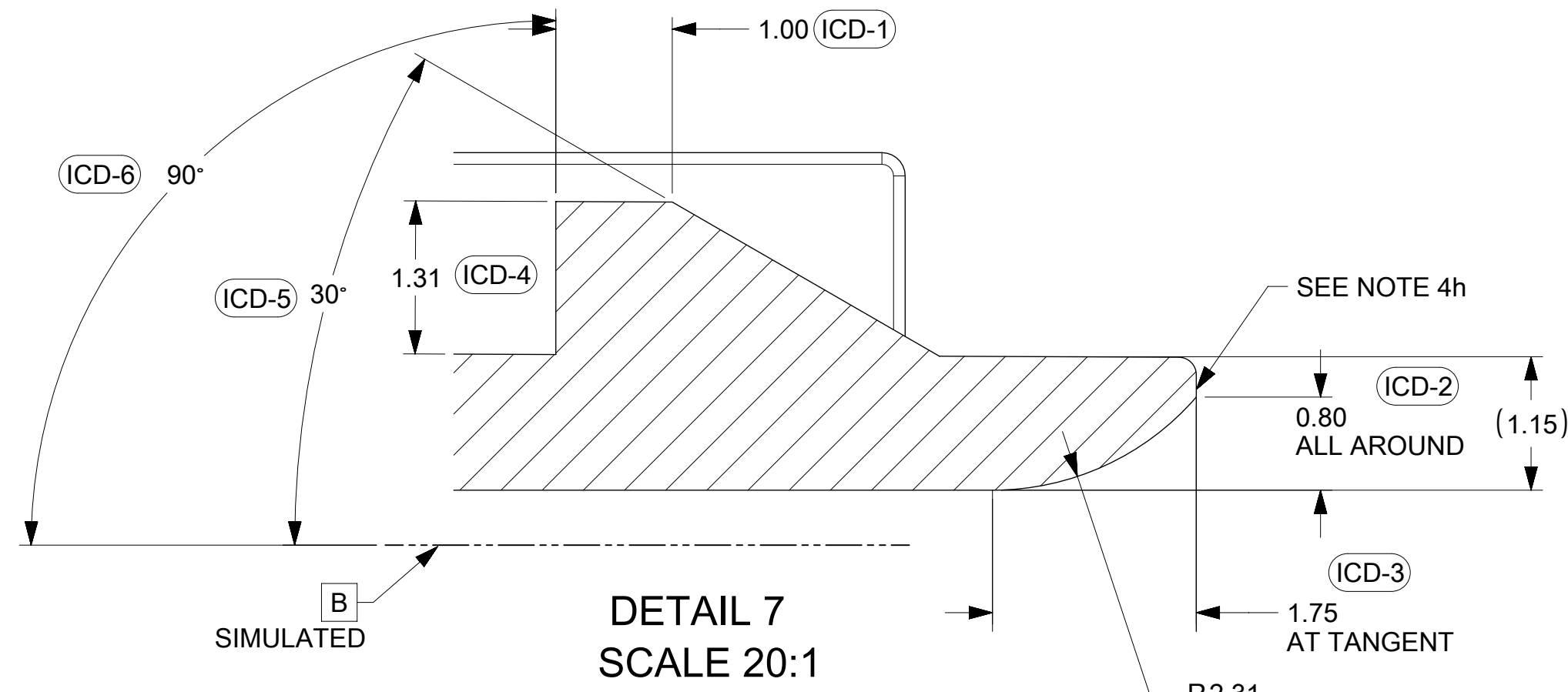
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349671000
DOC TYPE
PSD
DOC PART
000
REVISION
G1

KEY CONFIGURATIONS

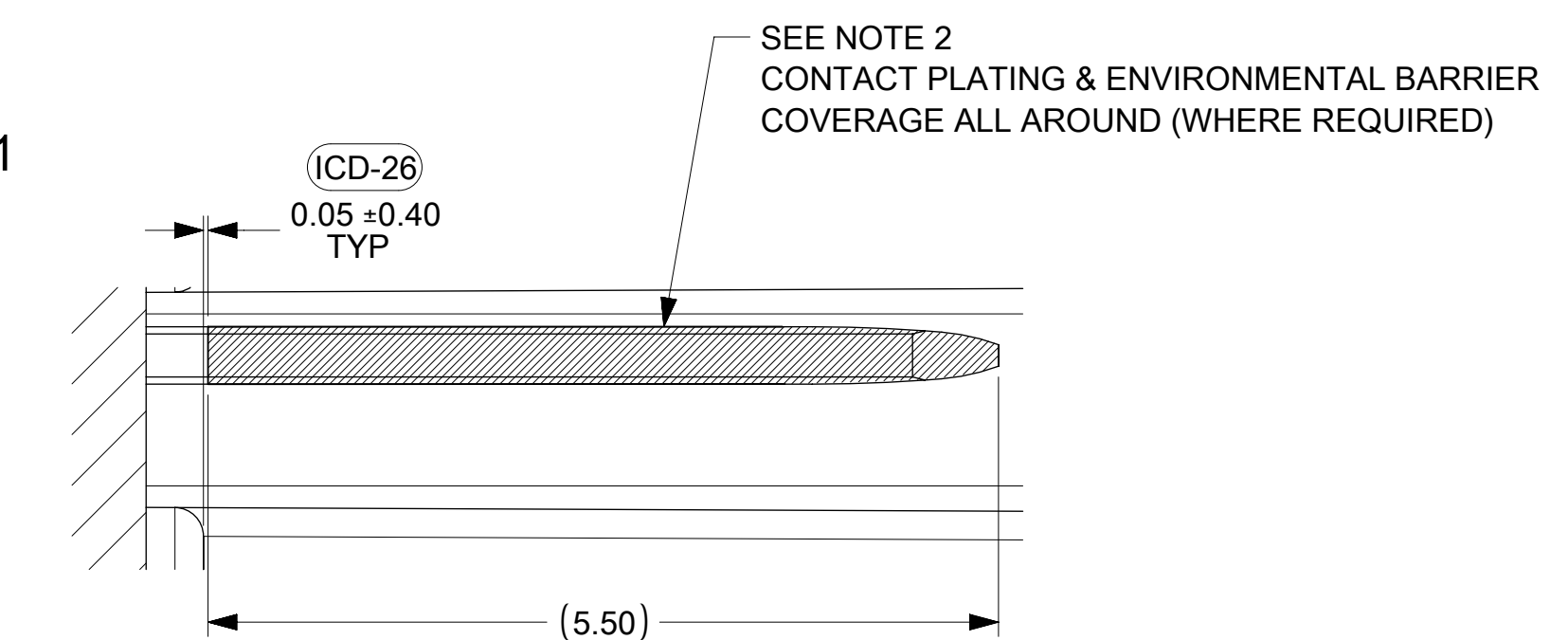


THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION													
QUALITY SYMBOLS	2021/02/26 2021/03/24 2021/03/24 EC NO: 659036 DRWN: ML149 CHKD: JCONDON APPR: JCONDON D1REV	GENERAL TOLERANCES (UNLESS SPECIFIED)	DIMENSION UNITS	SCALE	molex® MINI50 SEALED 1X10 INTERFACE PRODUCT CUSTOMER DRAWING								
			mm	1:1									
			DRWN BY	DATE									
			ANGULAR TOL ± 3.0 °	MNS02	2016/04/21								
			4 PLACES ±	CHK'D BY		DATE							
			3 PLACES ±	APPR BY		DATE							
			2 PLACES ± 0.1	KDEKOSKI		2016/05/04							
			1 PLACE ± 0.2	DRAWING SIZE		THIRD ANGLE PROJECTION		SERIES					
			0 PLACES ±	A1				34968		MATERIAL NUMBER		CUSTOMER	
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS					DOCUMENT NUMBER		DOC TYPE		DOC PART	
					349681800		PSD		000		2 OF 4		

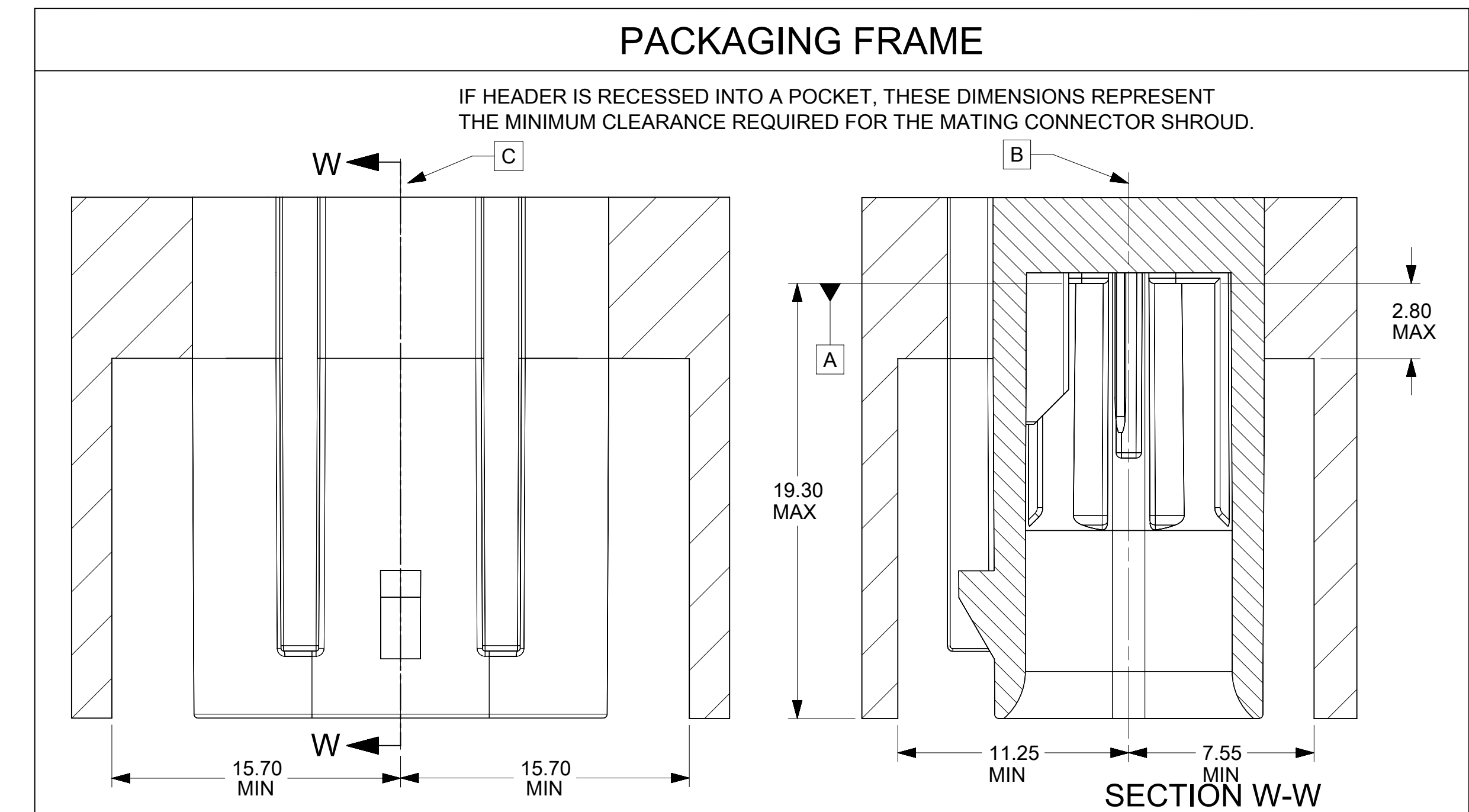
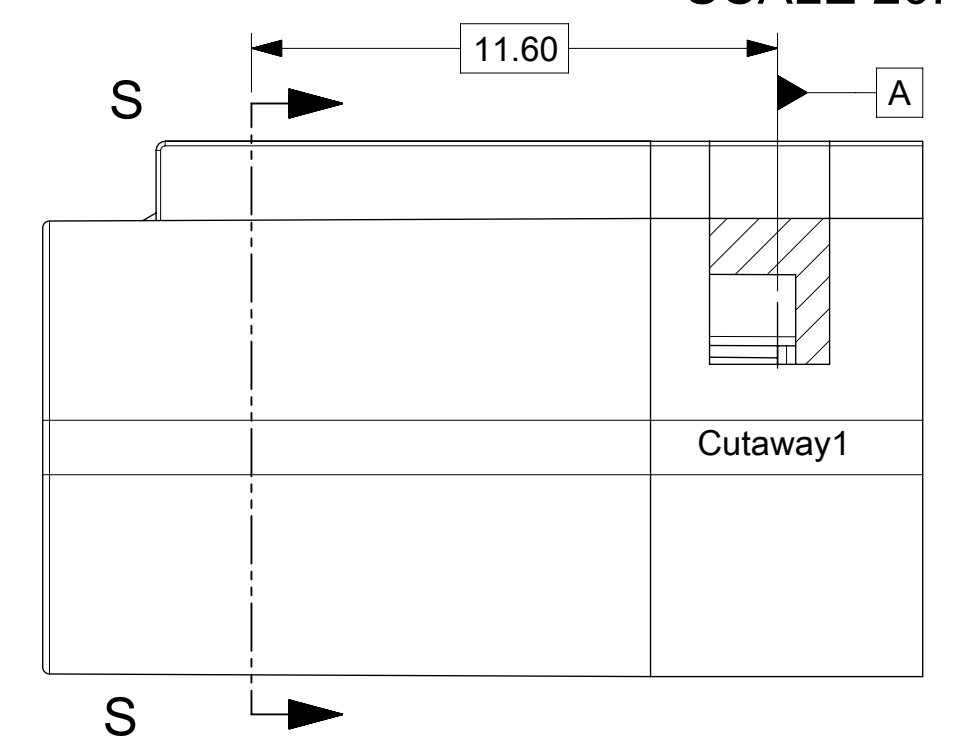
SHEET DESCRIPTION
CONNECTOR INTERFACE DEFINITION



DETAIL 8
SCALE 50:1

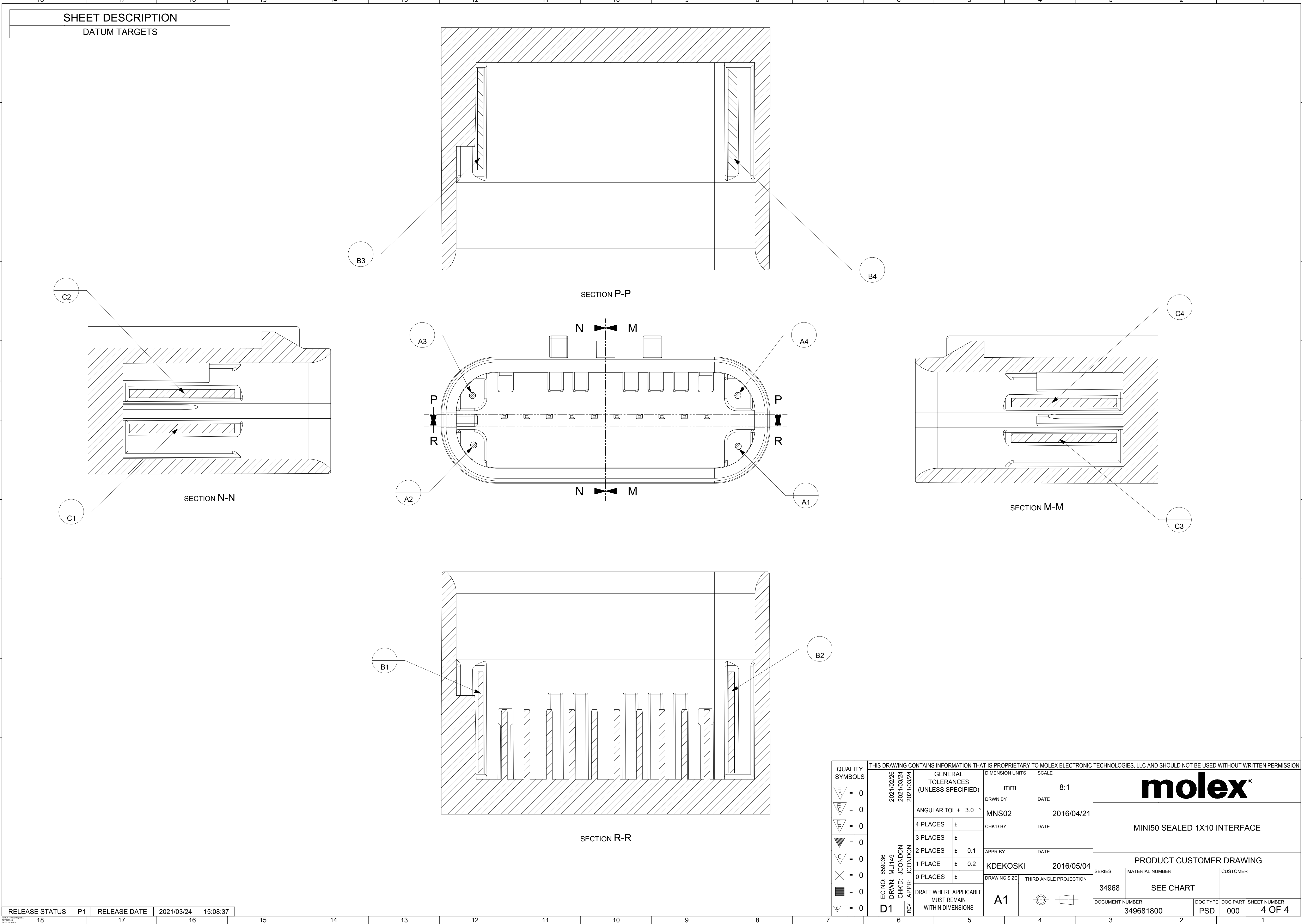


DETAIL 2
SCALE 20:1



SECTION W-W

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION									
QUALITY SYMBOLS		GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION UNITS		SCALE		molex®	
= 0		ANGULAR TOL ± 3.0 °		mm		1:1		MINI50 SEALED 1X10 INTERFACE	
= 0		4 PLACES ±		MNS02		2016/04/21		PRODUCT CUSTOMER DRAWING	
= 0		3 PLACES ±		CHK'D BY		DATE		SERIES	
= 0		2 PLACES ± 0.1		APPR BY		DATE		MATERIAL NUMBER	
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= 0		0 PLACES ±		DRAWING SIZE		THIRD ANGLE PROJECTION		34968	
= 0		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		A1		DOCUMENT NUMBER		349681800	
= 0								DOC TYPE	
								PSD	
								DOC PART	
								000	
								SHEET NUMBER	
								3 OF 4	



SHEET DESCRIPTION	
DATUM TARGETS	

SECTION N-N

SECTION P-P

SECTION M-M

SECTION R-R

QUALITY SYMBOLS		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION									
	= 0	EC NO: 659036 DRWN: ML149 CHKD: JCONDON REV: APPR: JCONDON	2021/02/26 2021/03/24 2021/03/24	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION UNITS	SCALE				
	= 0			ANGULAR TOL ± 3.0 °		mm	8:1				
	= 0			4 PLACES	±	MNS02	2016/04/21				
	= 0			3 PLACES	±	CHK'D BY	DATE	MINI50 SEALED 1X10 INTERFACE			
	= 0			2 PLACES	± 0.1	APPR BY	DATE	PRODUCT CUSTOMER DRAWING			
	= 0			1 PLACE	± 0.2	KDEKOSKI	2016/05/04	SERIES	MATERIAL NUMBER	CUSTOMER	
	= 0			0 PLACES	±	DRAWING SIZE		34968	SEE CHART		
	= 0			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		A1		DOCUMENT NUMBER	DOC TYPE	DOC PART	SHEET NUMBER
		D1						349681800	PSD	000	4 OF 4

RELEASE STATUS	P1	RELEASE DATE	2021/03/24 15:08:37
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