

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:

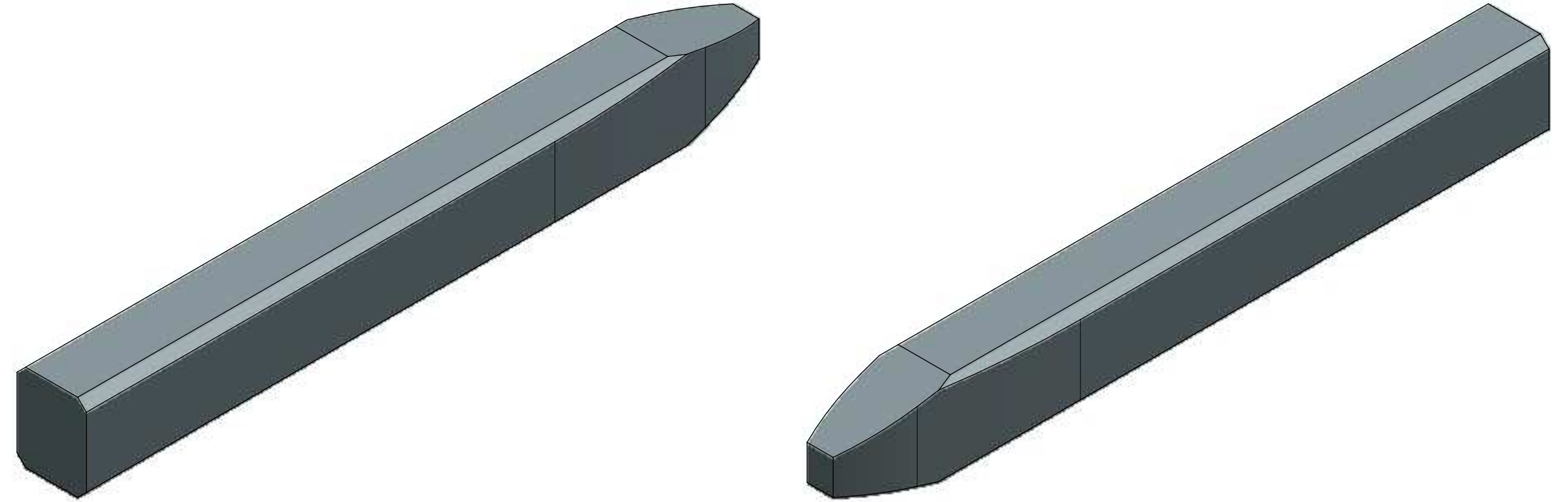
- ## 2.1. BASE MATERIAL TYPE : COPPER ALLOY

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

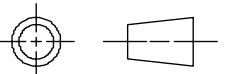
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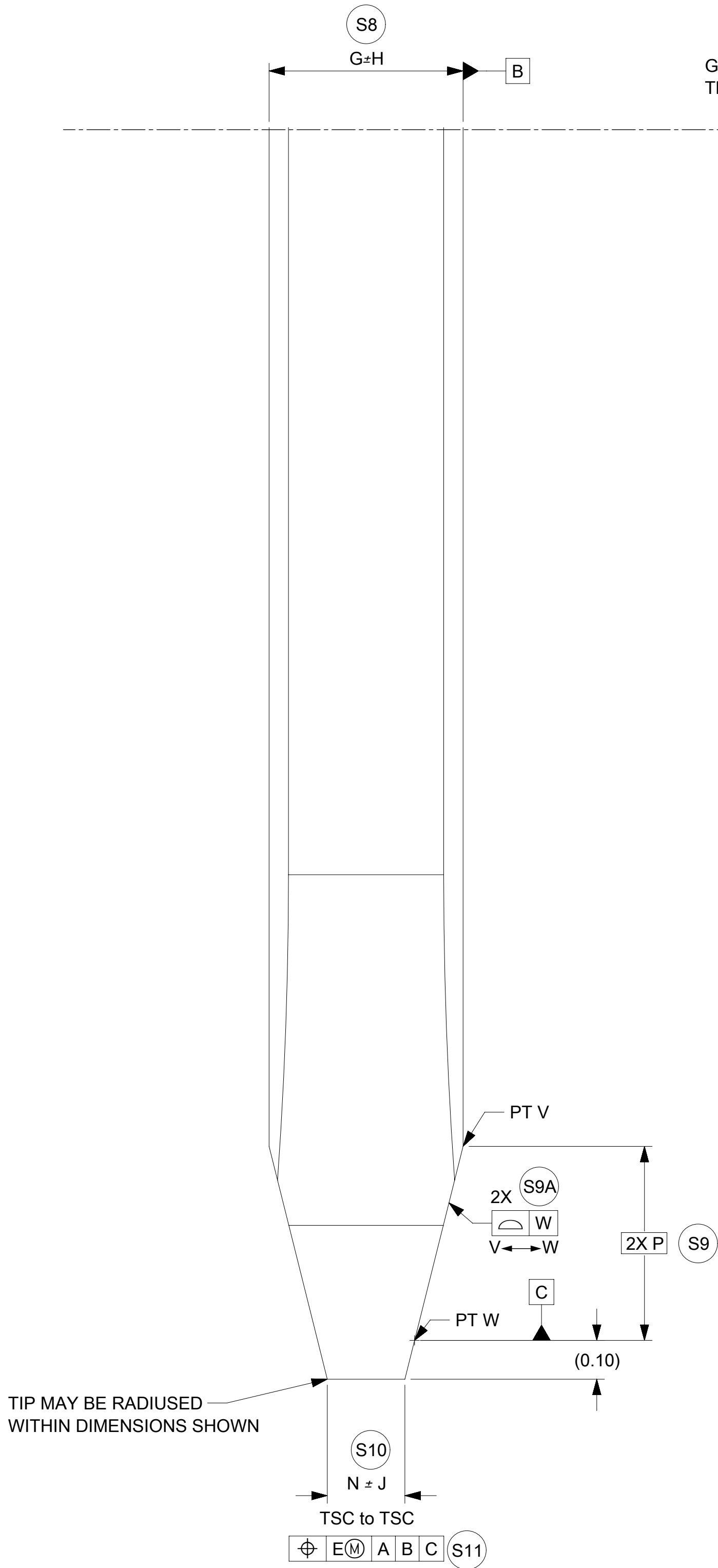
- 4.1. ANY REMAINING PROCESS LUBRICANT MUST NOT VARNISH OR DEGRADE ELECTRICAL PERFORMANCE. PROCESS LUBRICANTS SHOULD BE APPROVED BY THE RESPONSIBLE ENGINEER.
- 4.2. ALLOWABLE BURR: 0.03mm MAX UNLESS OTHERWISE SPECIFIED
- 4.3. FOR UNPLATES BLADES - TOOLING MARKS SPANNING ACROSS OR ALONG THE INTERFACING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



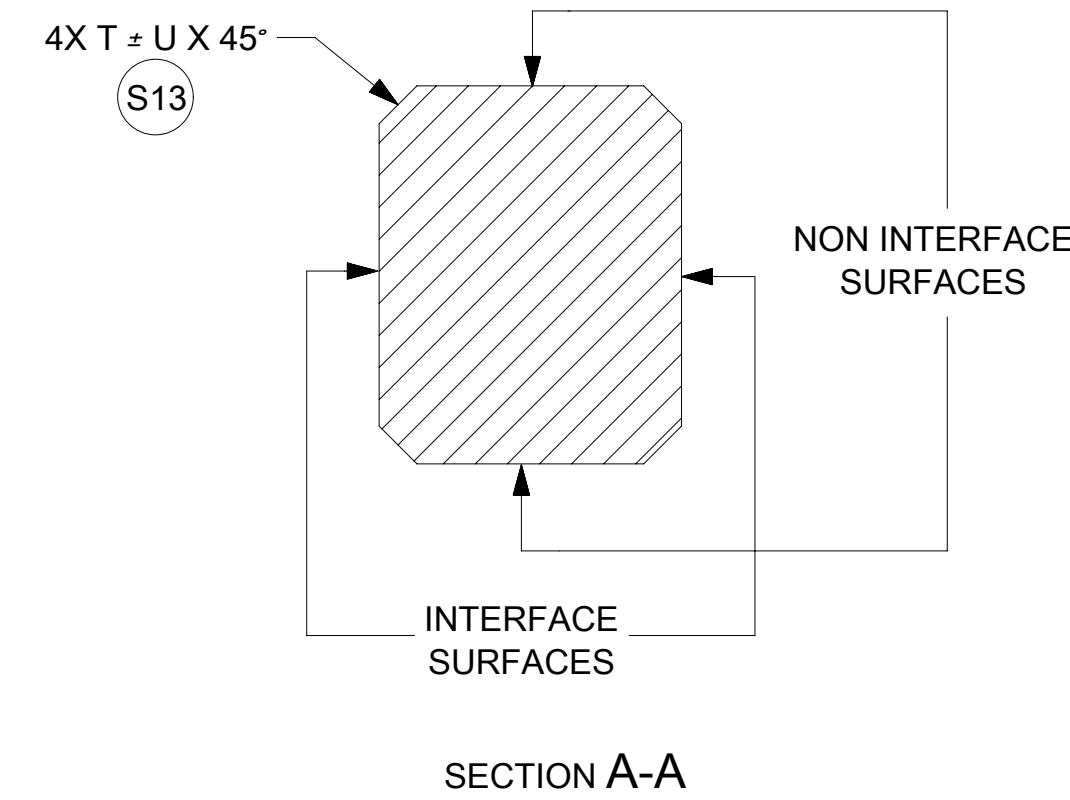
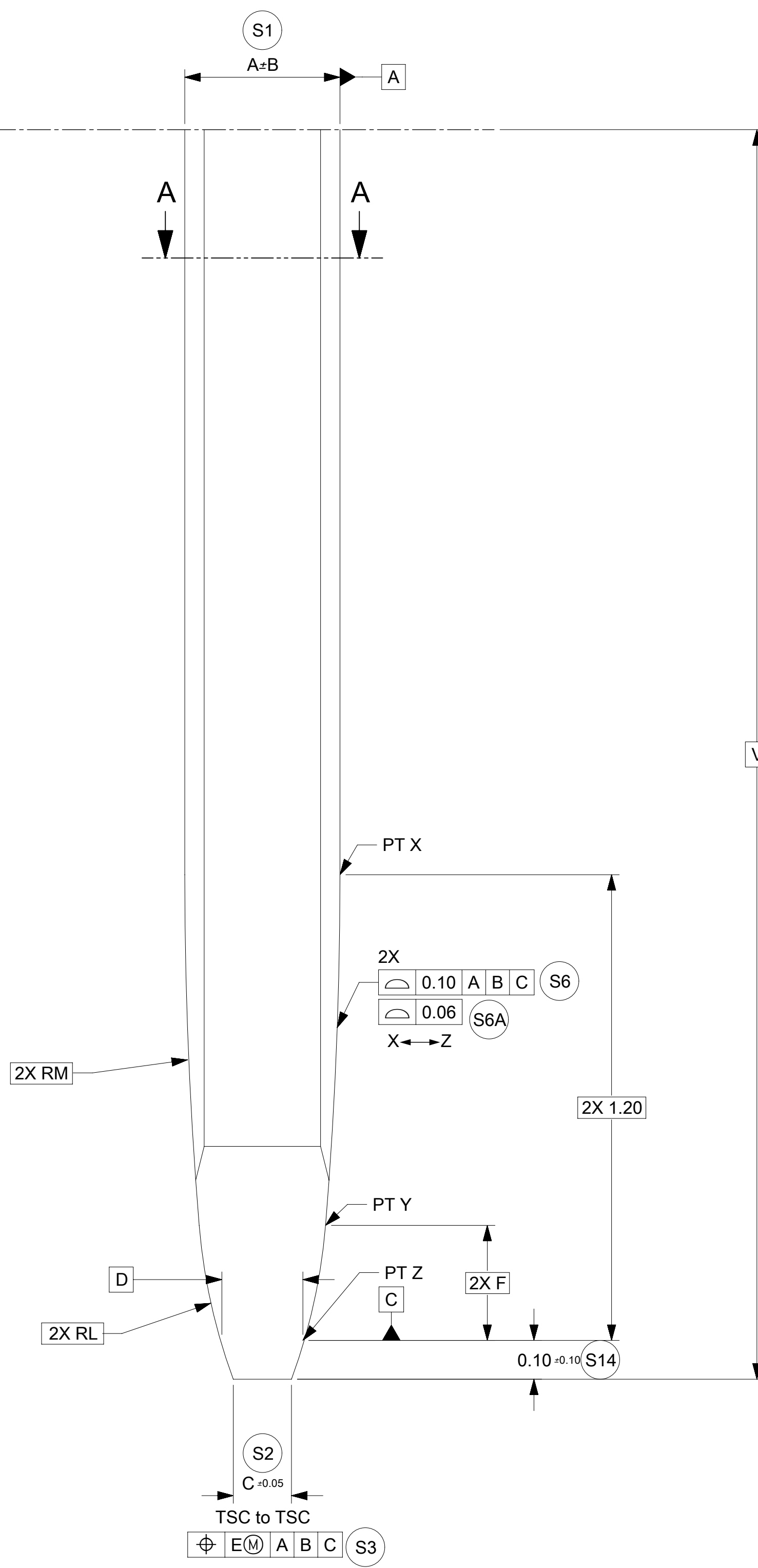
SCALE 50:1

0.5 MM PIN VIEW SHOWN FOR REPRESENTATION PURPOSES ONLY

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



GEOMETRY & PLATING ABOVE
THE LINE IS NOT CONTROLLED
BY THIS DOCUMENT



SCALE 100:1

TABLE 1		DRAWING DIMENSIONS																
Model NO.	Description	A	B	C	D	E	F	G	H	J	L	M	N	P	T	U	V	W
34735-0004	0.50mm BLADE	0.40	0.015	0.15	0.216	0.05	0.296	0.50	0.03	0.05	1.5	11	0.20	0.50	0.05	0.03	4.0 MIN	0.08
34735-0001	0.64mm BLADE - NORMAL THICKNESS	0.64	0.03	0.25	0.356	0.10	0.285	0.64	0.03	0.05	1	7	0.25	0.55	0.05	0.03	5.5 MIN	0.08
34735-0002	0.64mm BLADE - REDUCED THICKNESS	0.625	0.015	0.234	0.341	0.10	0.285	0.64	0.03	0.05	1	7	0.25	0.55	0.05	0.03	5.5 MIN	0.13
34735-0006	1.20mm BLADE - HEADER	0.60	0.015	0.21	0.316	0.10	0.285	1.00	0.05	0.05	1	7	0.59	0.55	0.05	0.03	5.5 MIN	0.13
34735-0006	1.20mm BLADE - INLINE	0.60	0.015	0.21	0.316	0.10	0.285	1.20	0.05	0.05	1	7	0.59	0.55	0.05	0.03	5.5 MIN	0.13
34735-0003	1.50mm BLADE	0.80	0.03	0.25	0.321	0.10	1.10	1.50	0.05	0.10	4.775	1.083	0.5	1.68	0.05	0.03	5.0 MIN	0.13
34735-0010	2.8mm BLADE - HEADER	0.80	0.025	0.20	0.345	0.10	0.314	2.50	0.10	0.10	1	4	1.80	1.10	0.05	0.03	9.5 MIN	0.25
34735-0011	6.3mm BLADE - HEADER	0.80	0.025	0.20	0.345	0.10	0.314	6.0	0.25	0.20	1	4	3.90	1.10	0.05	0.03	10.5 MIN	0.13

QUALITY SYMBOLS

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EC NO: 638183

DRWN: SJAZRAWI

CHKD: YLEPOTTIER

APPR: YLEPOTTIER

2020/05/20

2020/05/23

2020/05/23

A19

REV

GENERAL TOLERANCES (UNLESS SPECIFIED)

ANGULAR TOL ± °

4 PLACES ±

3 PLACES ± 0.015

2 PLACES ± 0.05

1 PLACE ± 0.1

0 PLACES ±

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION UNITS

mm

DRWN BY

SJAZRAWI

CHK'D BY

DATE

2016/08/16

APPR BY

DATE

2016/09/27

DRAWING SIZE

A1

THIRD ANGLE PROJECTION

SCALE

100:1

molex®

DESIGN STANDARD

HEADER PIN & BLADE TIP GEOMETRY FOR MATING TO HARNESS TERMINALS

PRODUCT CUSTOMER DRAWING

SERIES

34735

DOCUMENT NUMBER

347350050

DOC TYPE

PSD

DOC PART

000

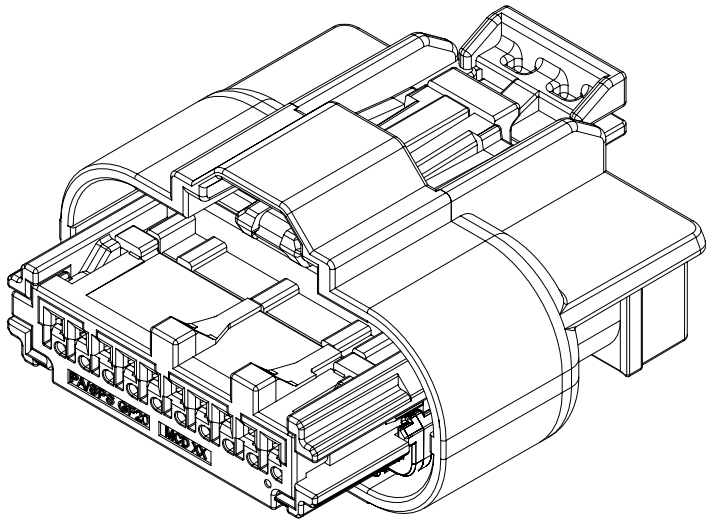
SHEET NUMBER

2 OF 2

RELEASE STATUS	P1	RELEASE DATE	2020/05/23 03:21:07
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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

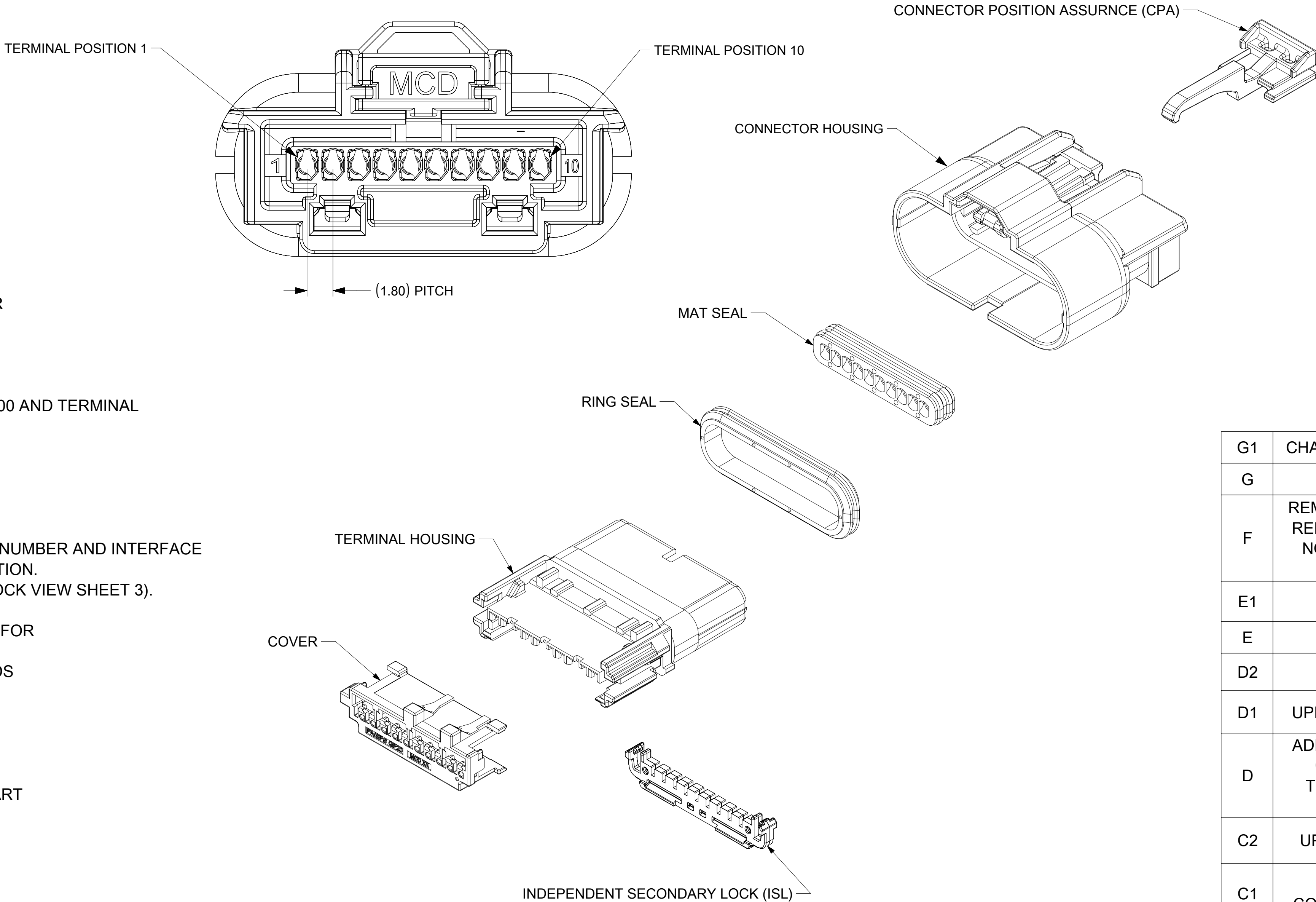
D. CORNERS SHOWN AS SHARP TO BE R 0.2 MAX.

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



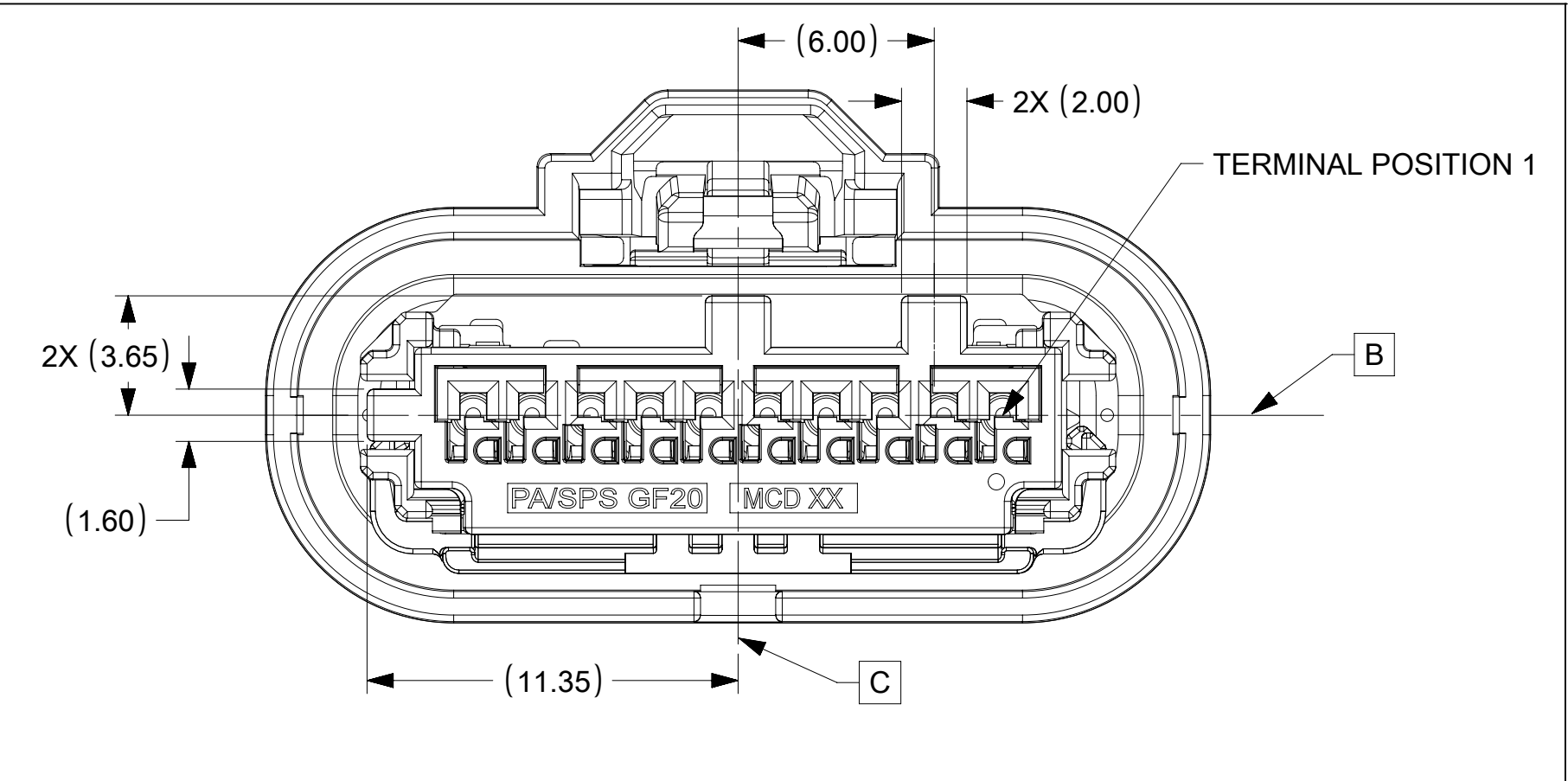
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LAST NUMBER: 15	
ADDED:	
REMOVED: 2,4,7,8,9,13,14	

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

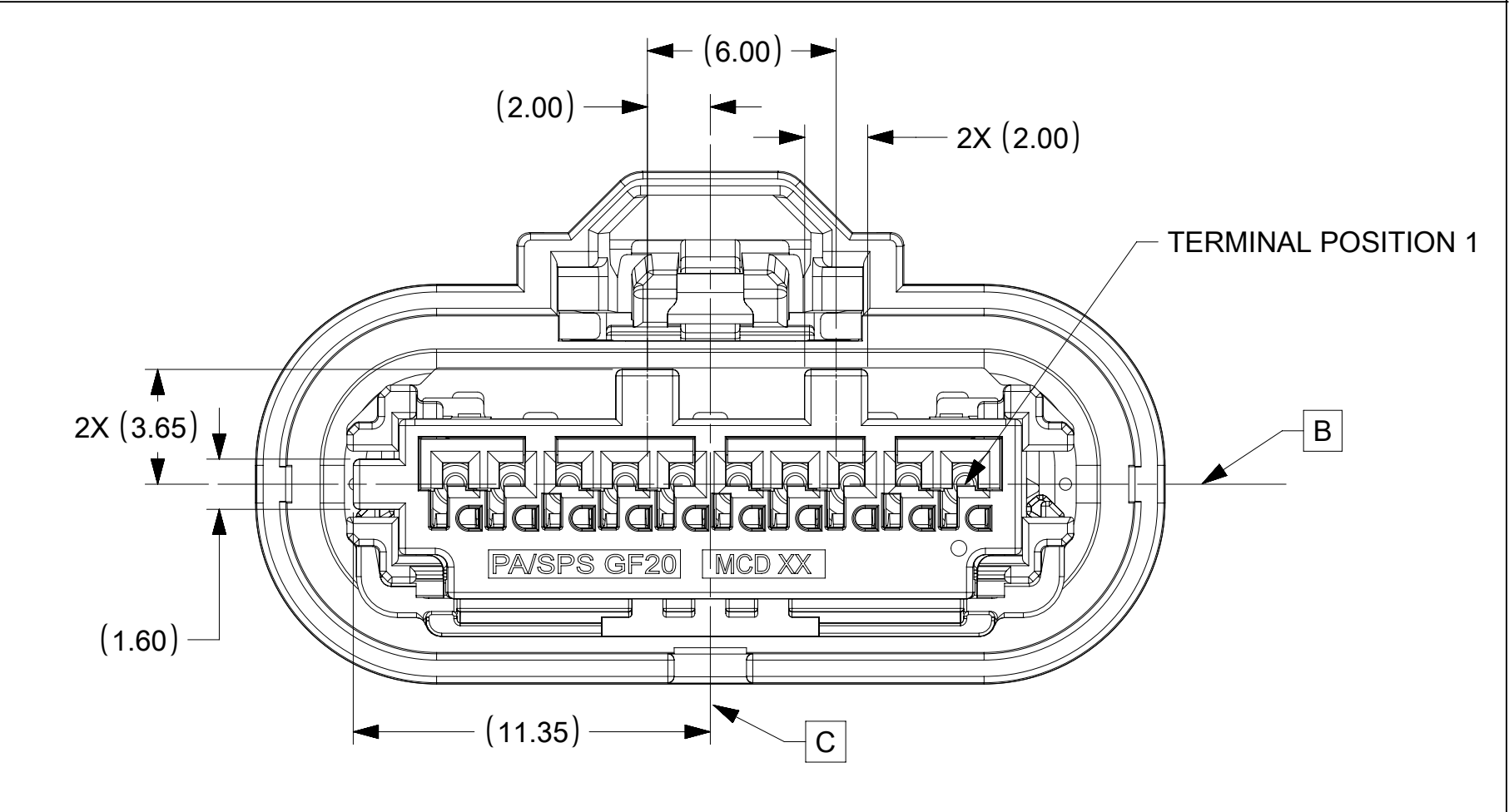
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION													
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		GENERAL TOLERANCES (UNLESS SPECIFIED)											
		ANGULAR TOL ± 0.3 °											
		4 PLACES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

SHEET DESCRIPTION

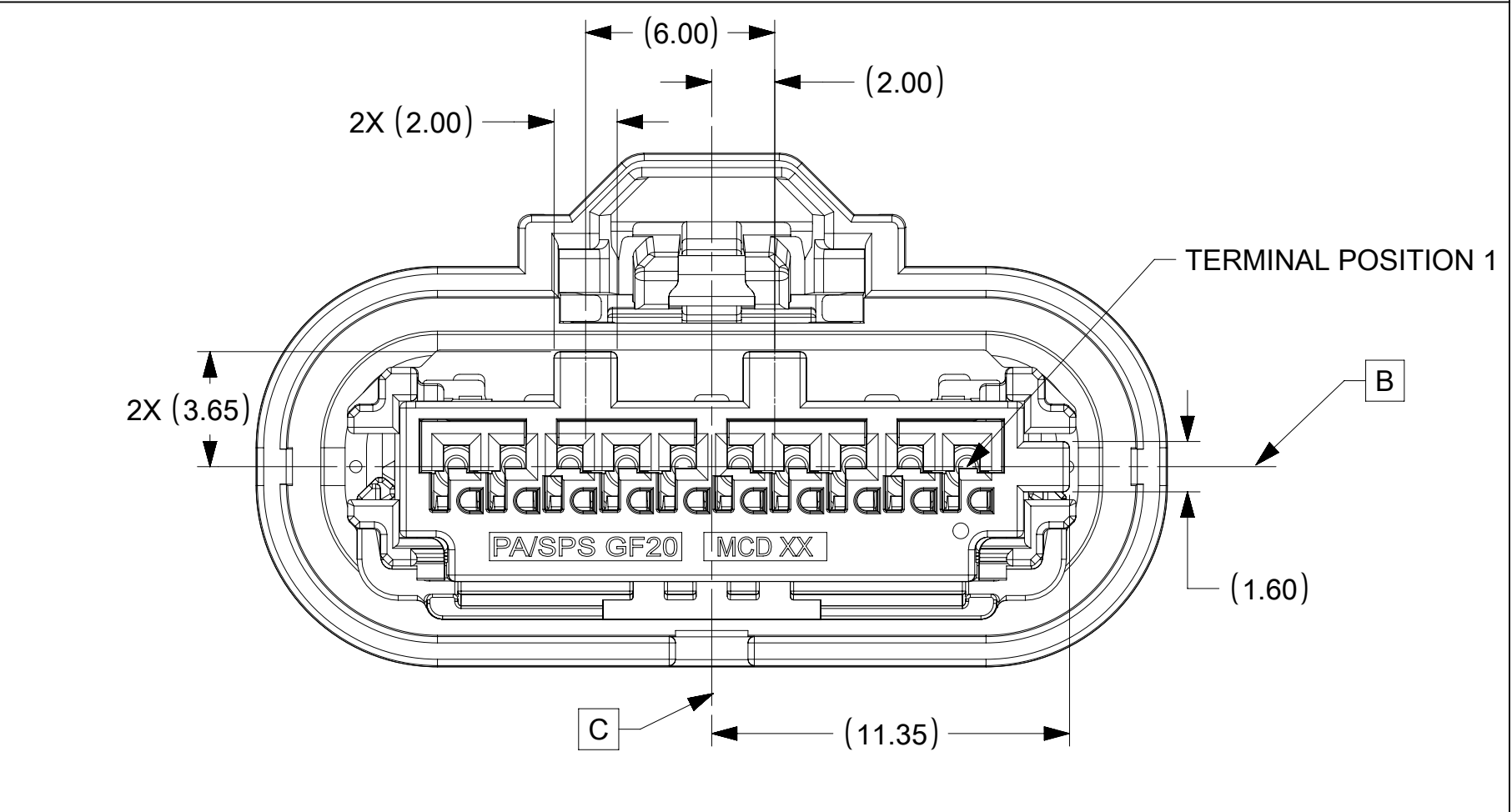
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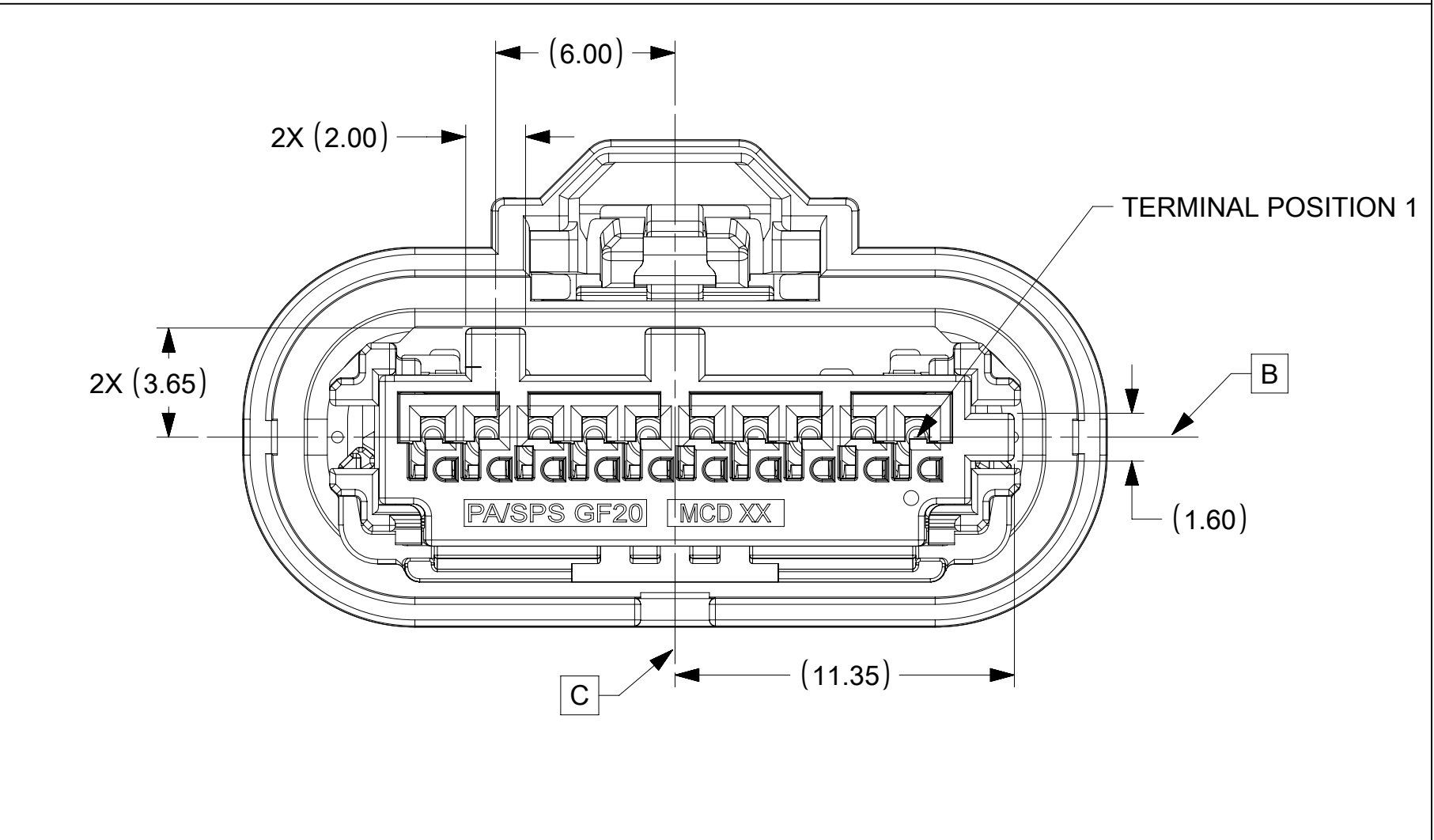
KEY A



KEY B



KEY C

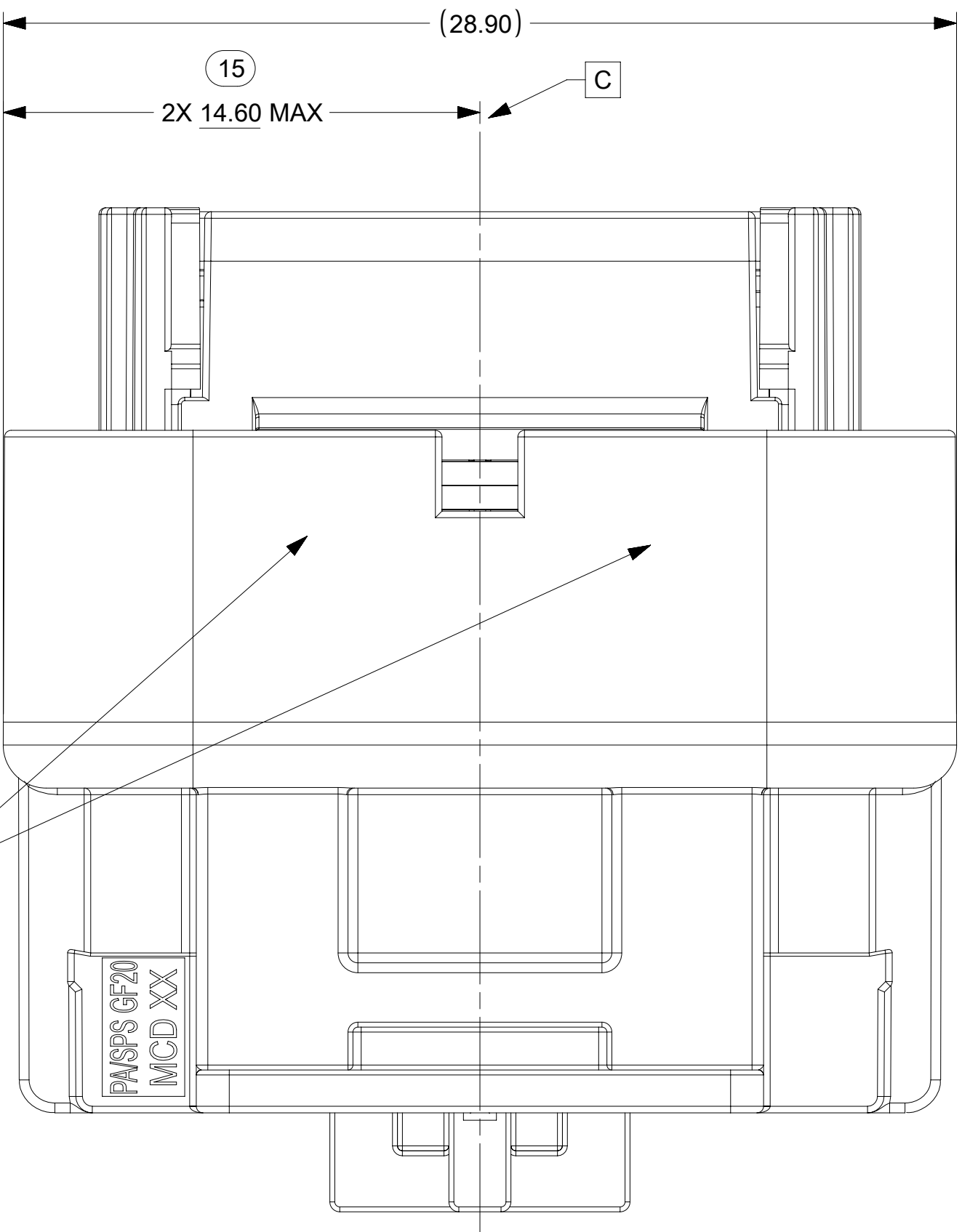
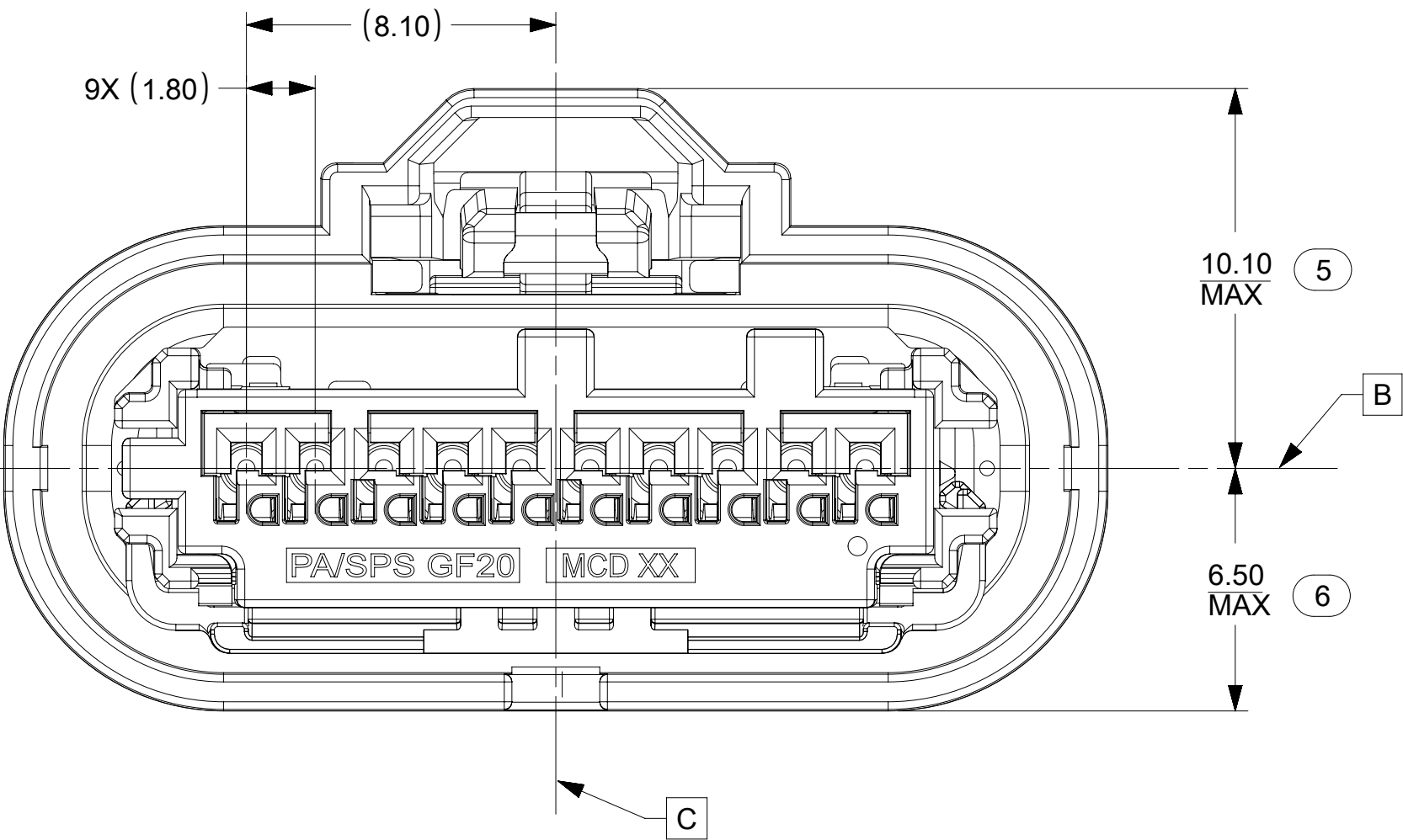
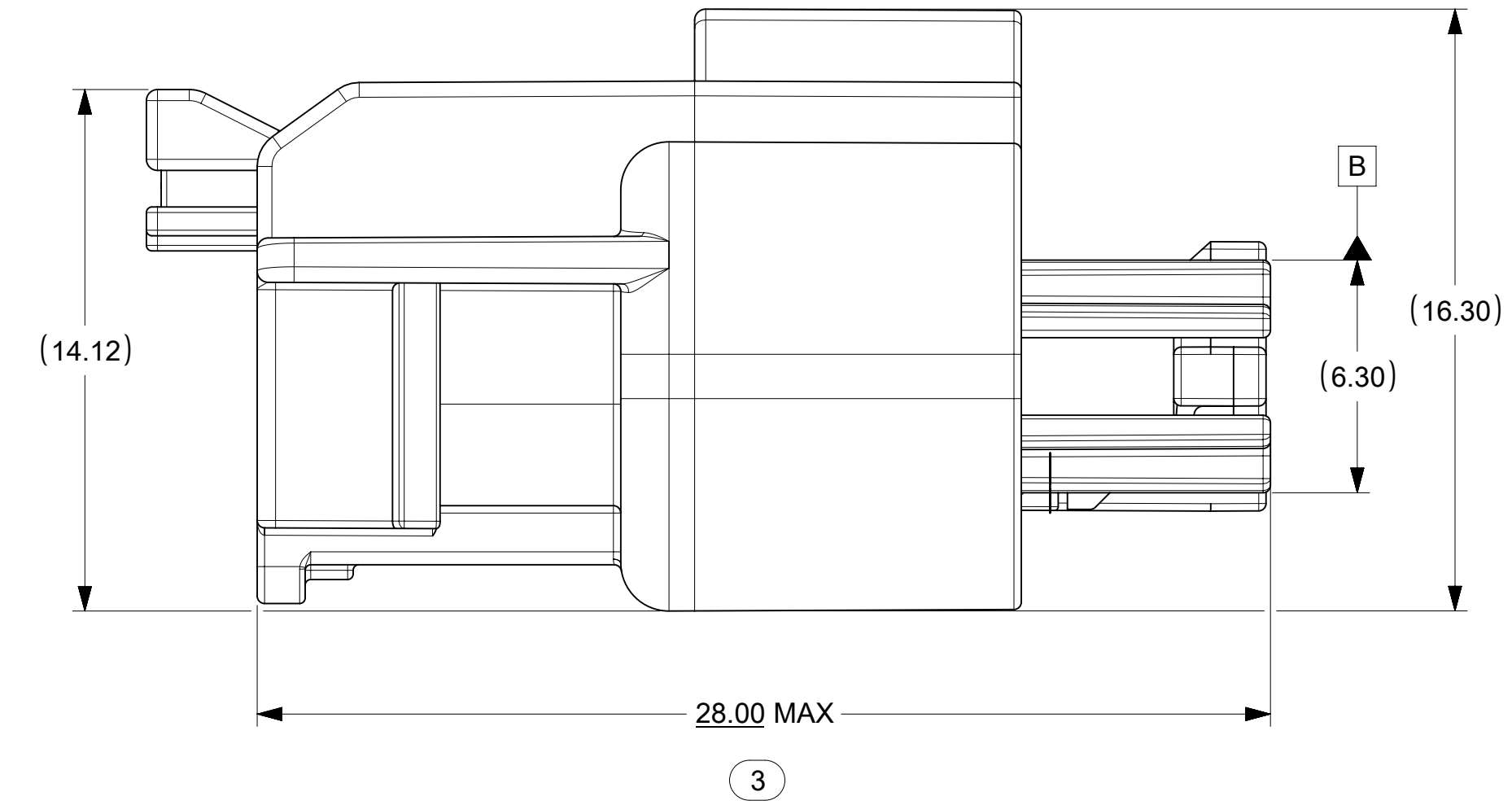
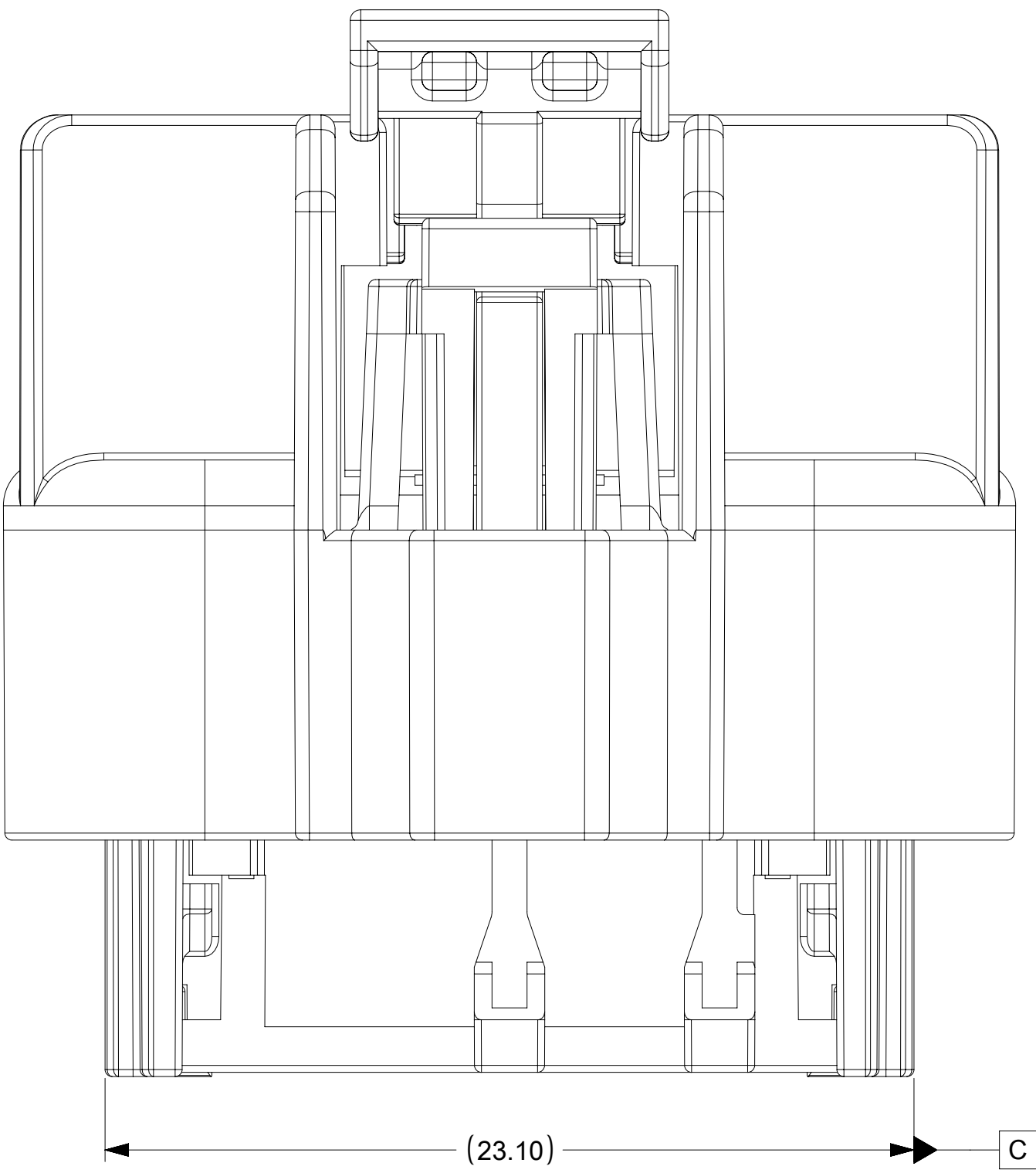
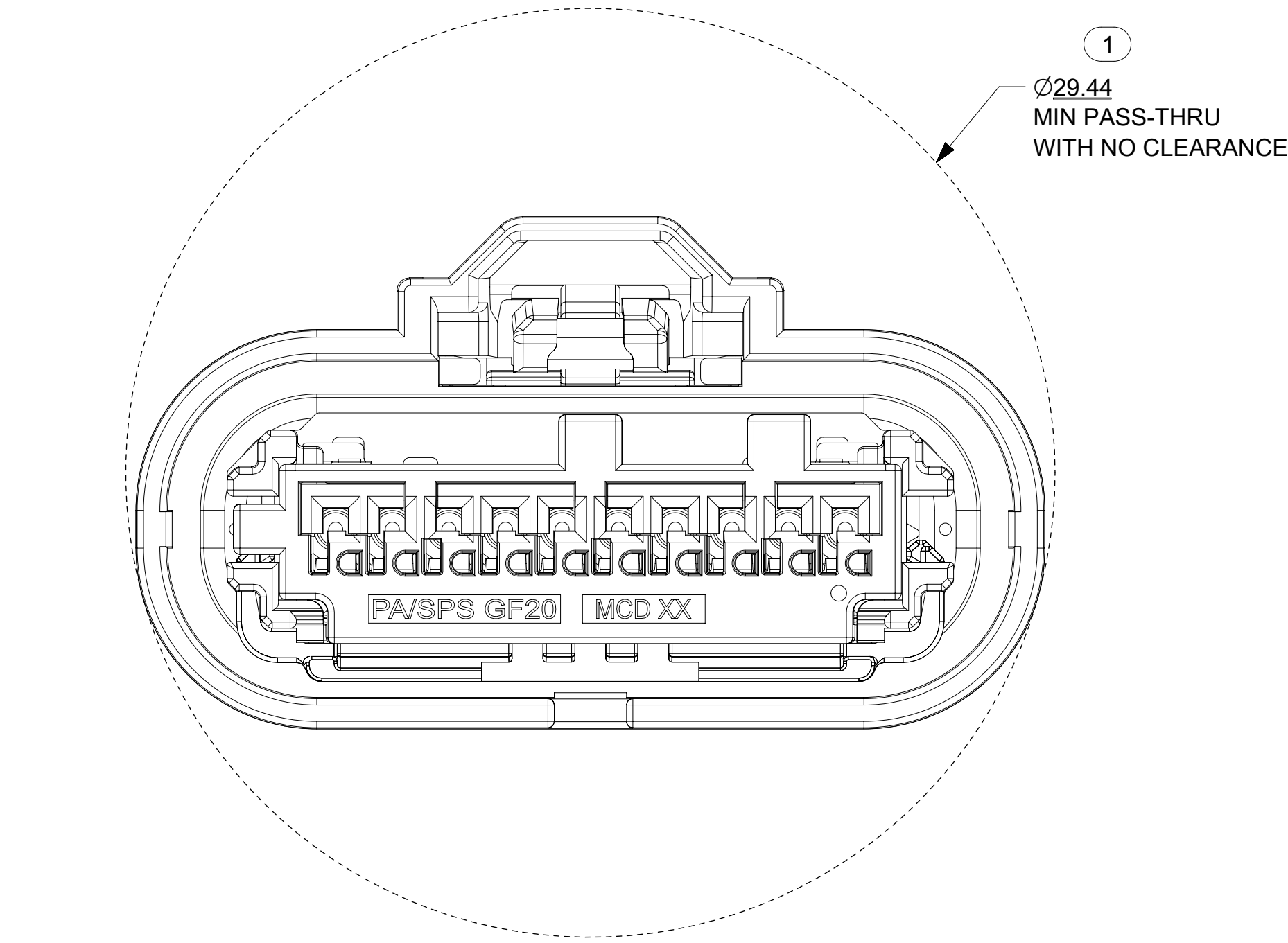


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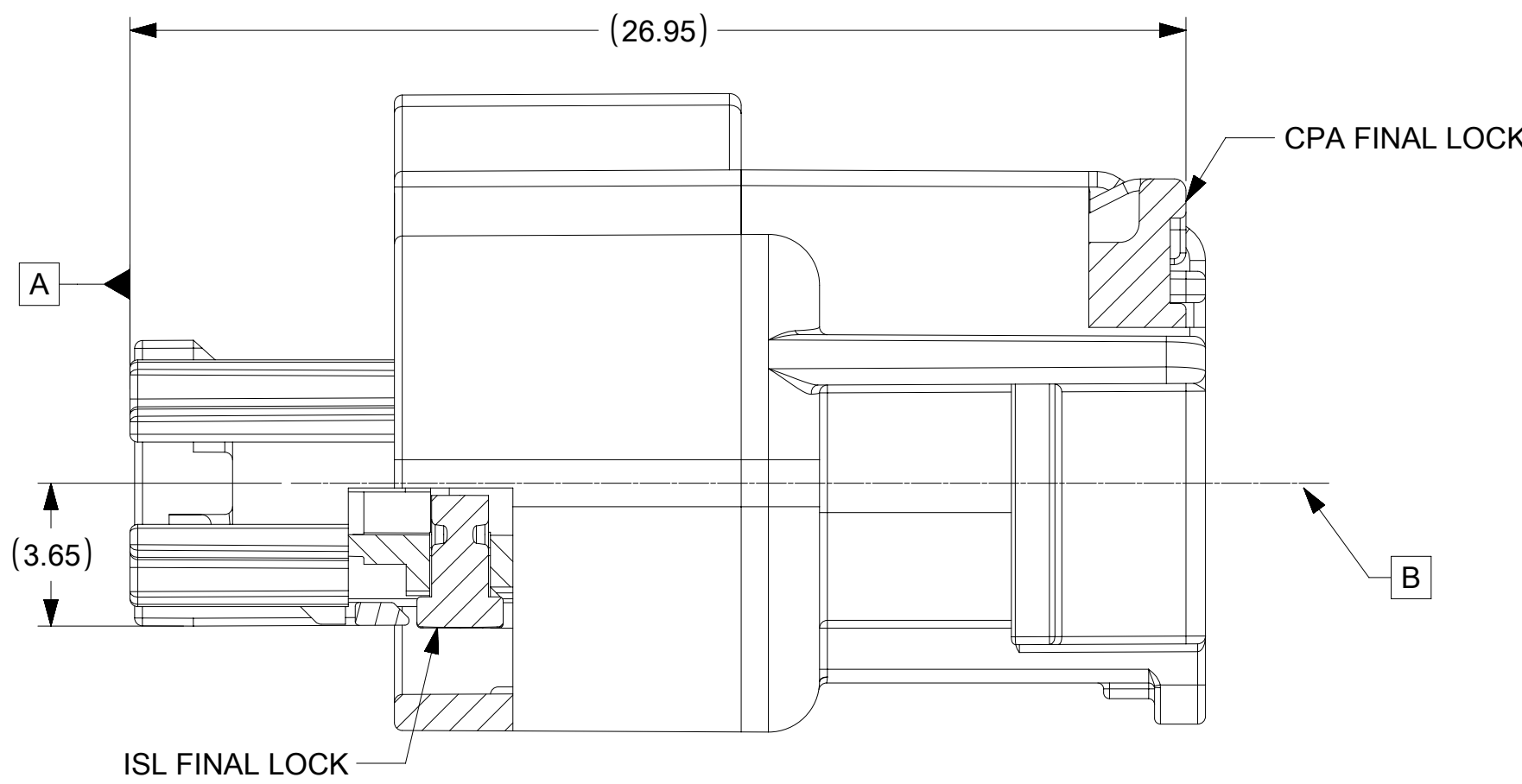
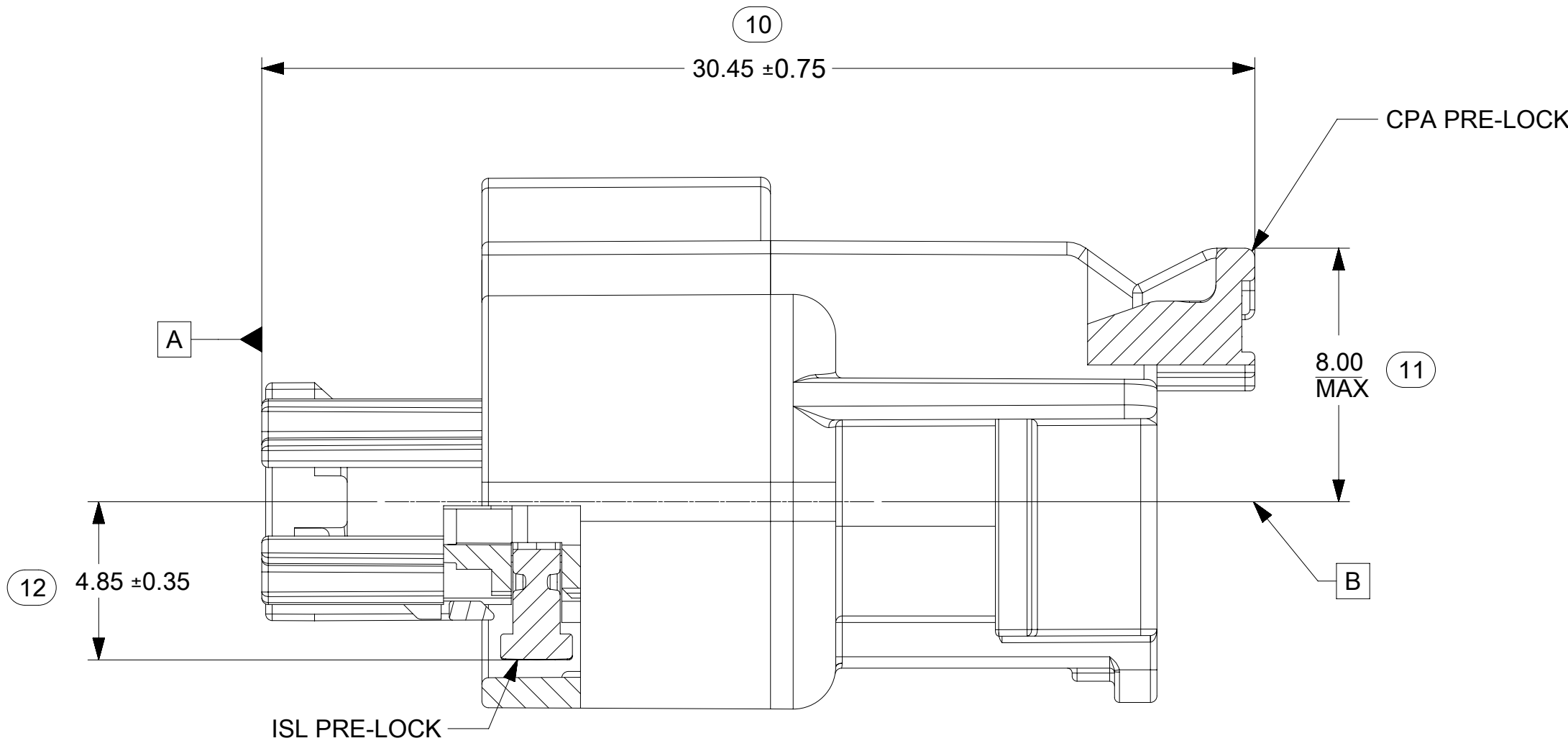
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	DIMENSION UNITS		SCALE		CURRENT REV DESC: CHANGED BASIC DIMS TO REF DIMS								
	mm		1:1										
	GENERAL TOLERANCES (UNLESS SPECIFIED)												
	ANGULAR TOL		± 0.3 °		EC NO: 657824 DRWN: MLI149 CHK'D: JCONDON APPR: JCONDON INITIAL REVISION: DRWN: MNS02 APPR: KDEKOSKI								
	4 PLACES		±										
	3 PLACES		±										
	2 PLACES		± 0.1										
	1 PLACE		± 0.2		2021/03/09 2021/03/11 2021/03/11 2016/04/26 2016/05/19								
	0 PLACES		±										
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION		DRAWING		SERIES		MATERIAL NUMBER		CUSTOMER		SHEET NUMBER	
				A1-SIZE		34967						2 OF 3	

molex					
MINI50 SEALED 1X10 RCPT ASSY					
PRODUCT CUSTOMER DRAWING					
DOCUMENT NUMBER			DOC TYPE	DOC PART	REVISION
349671000			PSD	000	G1
MATERIAL NUMBER			CUSTOMER		SHEET NUMBER
					2 OF 3

SHEET DESCRIPTION
RECEPTACLE CONNECTOR ASSEMBLY



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

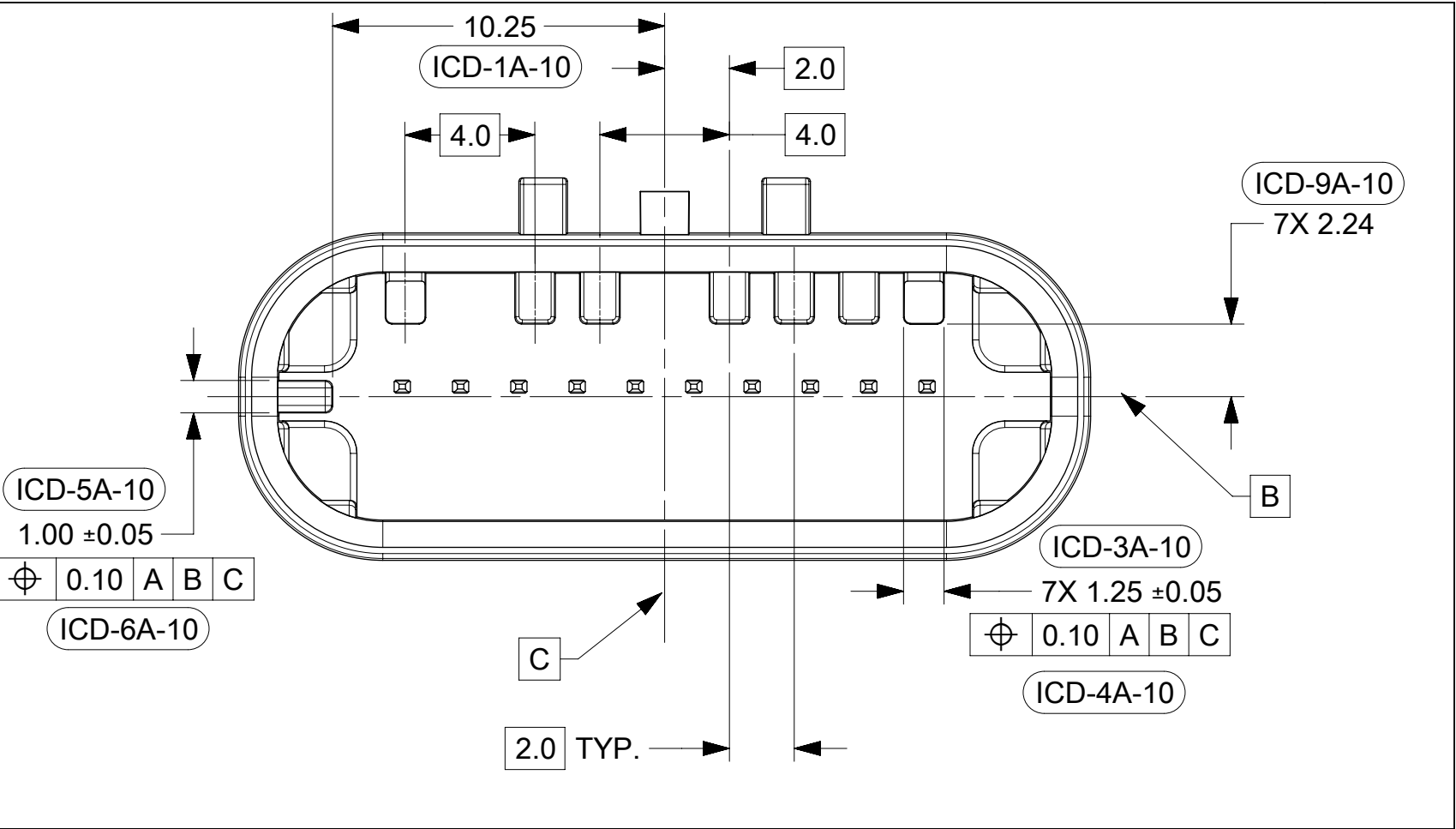


FUNCTIONAL SYMBOLS FA = 0 FC = 0 FP = 0 DIVISIONAL SYMBOLS	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		CURRENT REV DESC: CHANGED BASIC DIMS TO REF DIMS	
	DIMENSION UNITS	SCALE	EC NO: 657824	
	mm	1:1	DRWN: 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	349671000	
DOC TYPE		DOC PART	PSD 000	
REVISION		SHEET NUMBER	G1 3 OF 3	

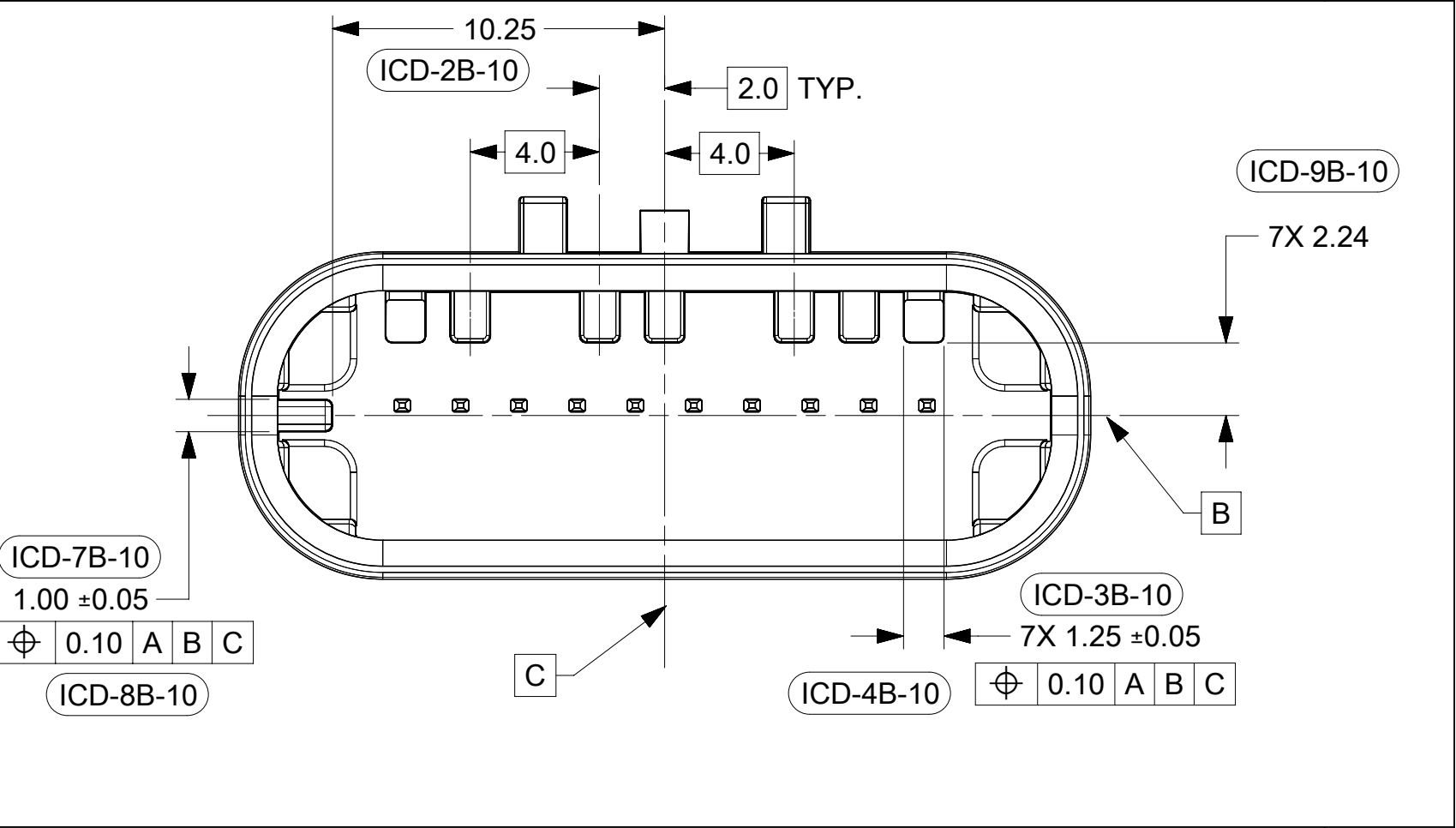
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TABLE OF CONTENTS																	
SHEET NO.		SHEET DESCRIPTION															
1		INTERFACE NOTES AND BOM															
2		INTERFACE KEY CONFIGURATIONS															
3		INTERFACE DEFINITION															
4		INTERFACE DATUM TARGETS															

SHEET DESCRIPTION

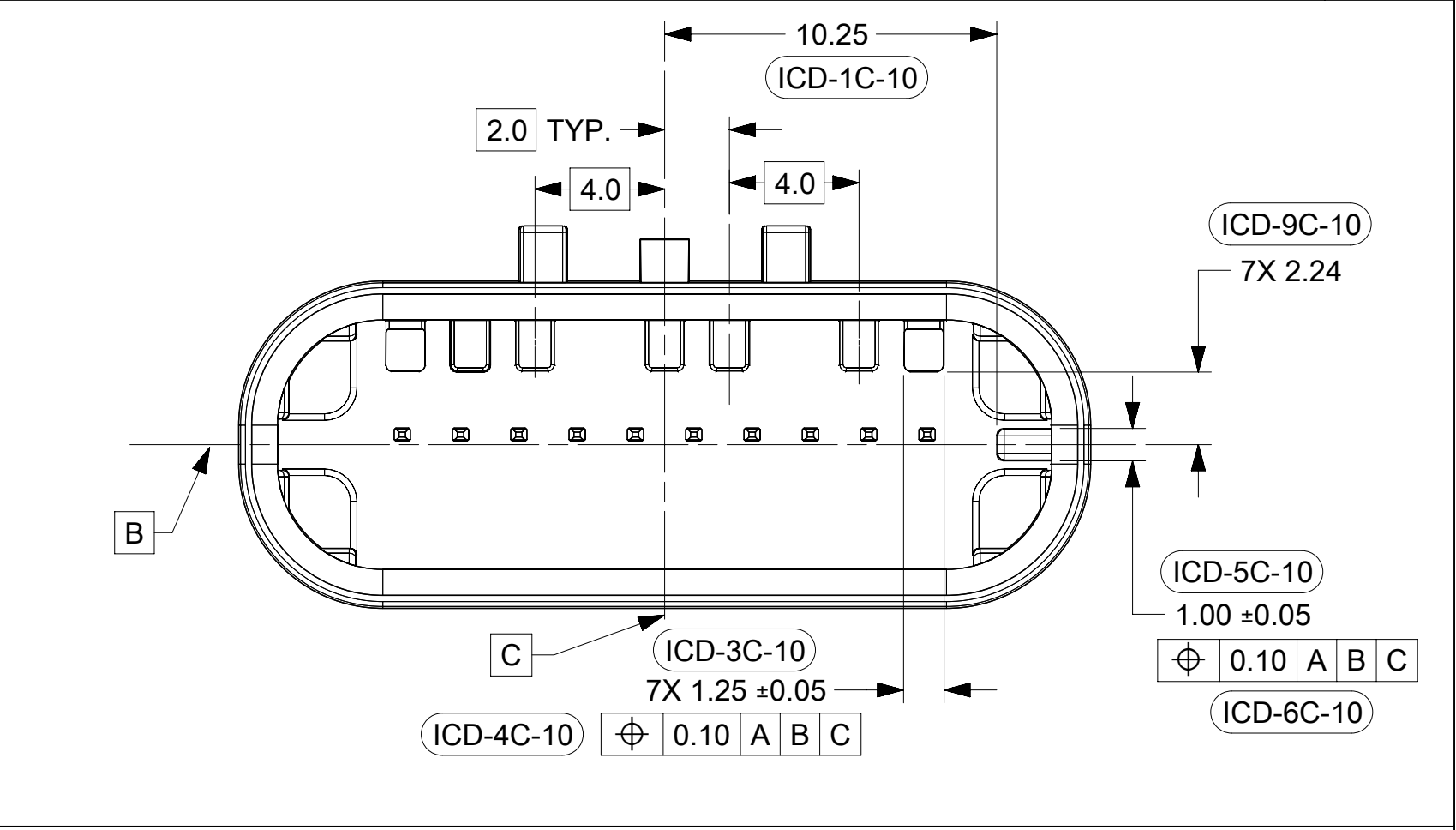
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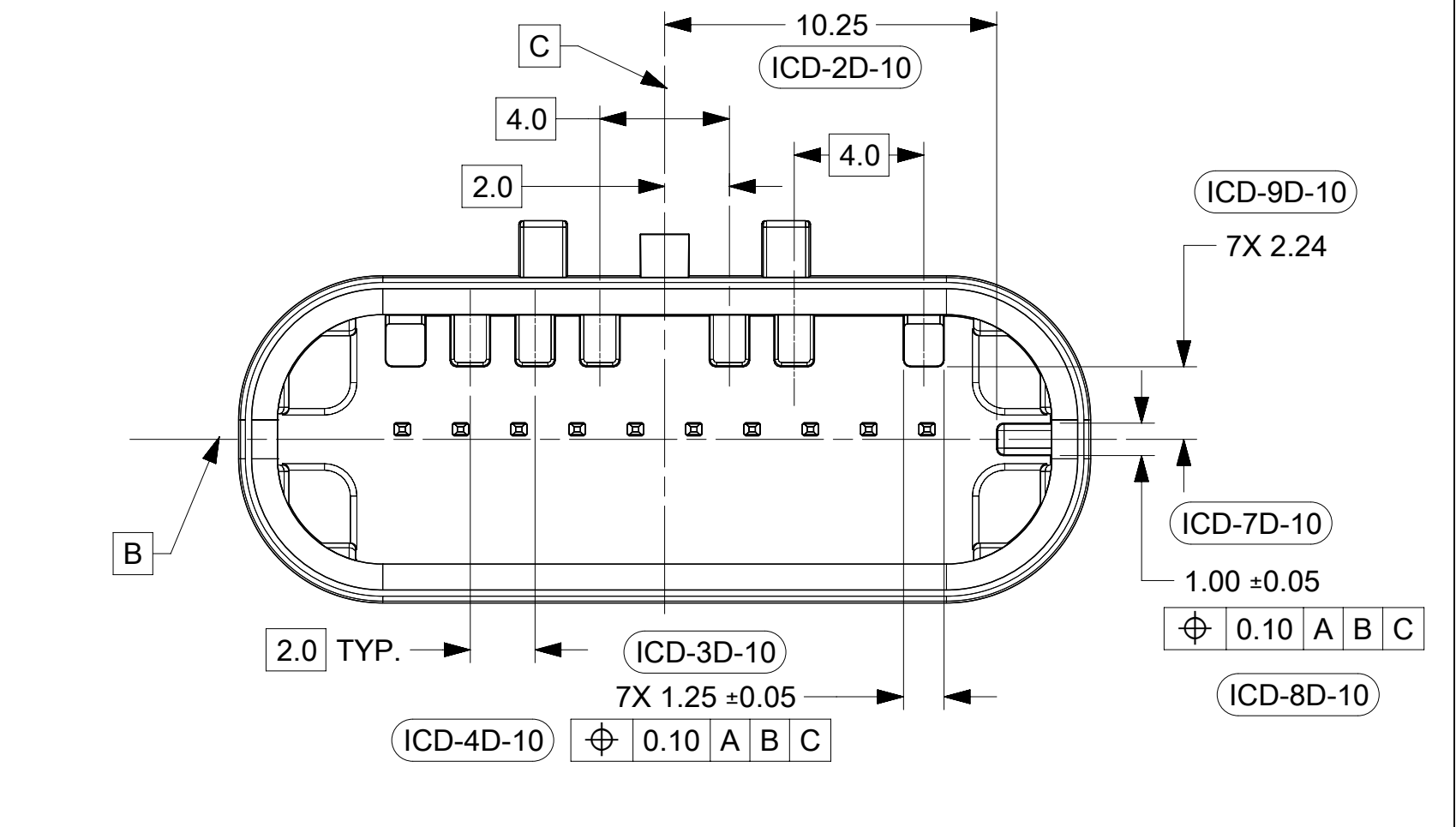
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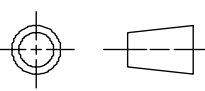
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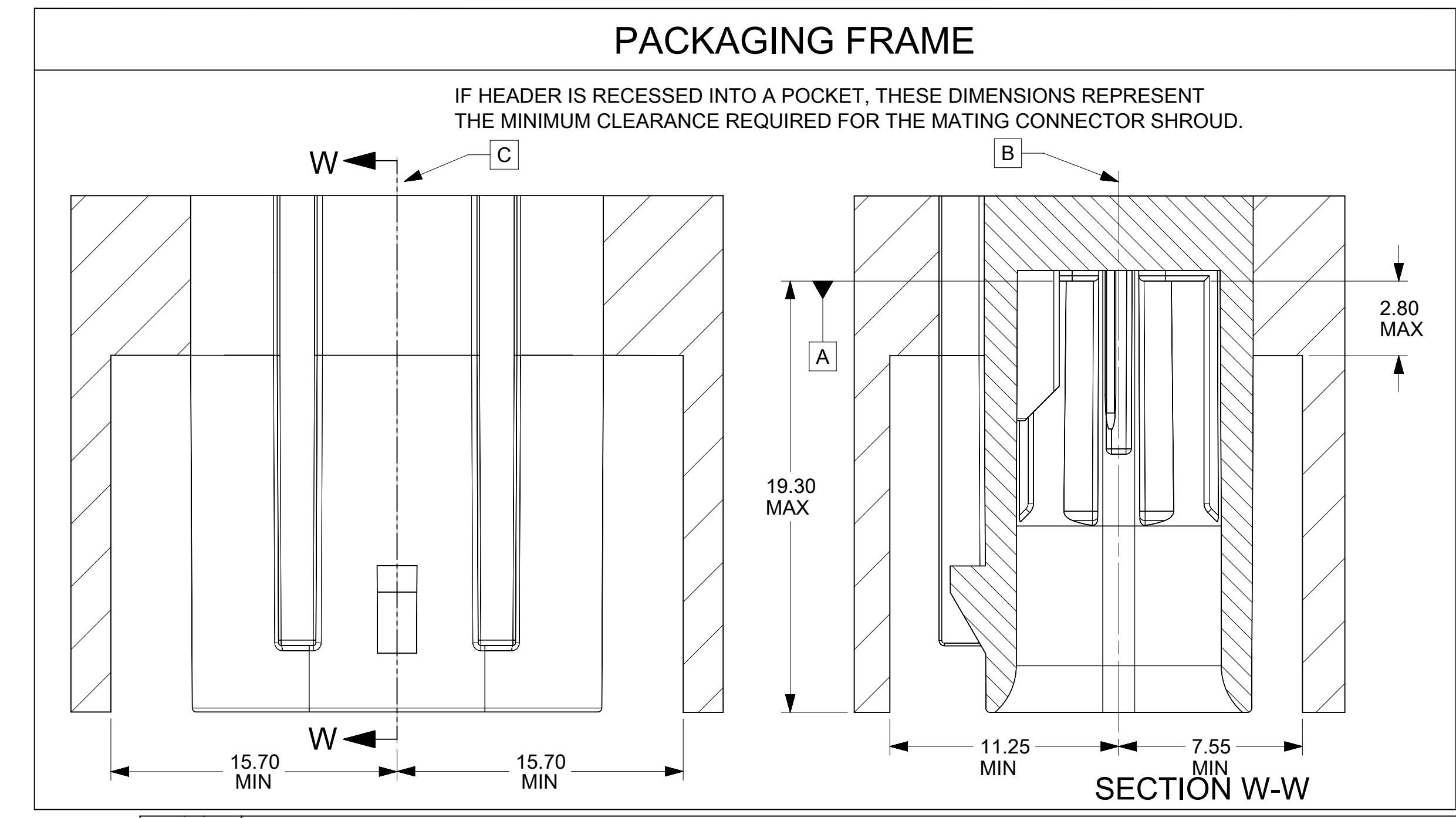
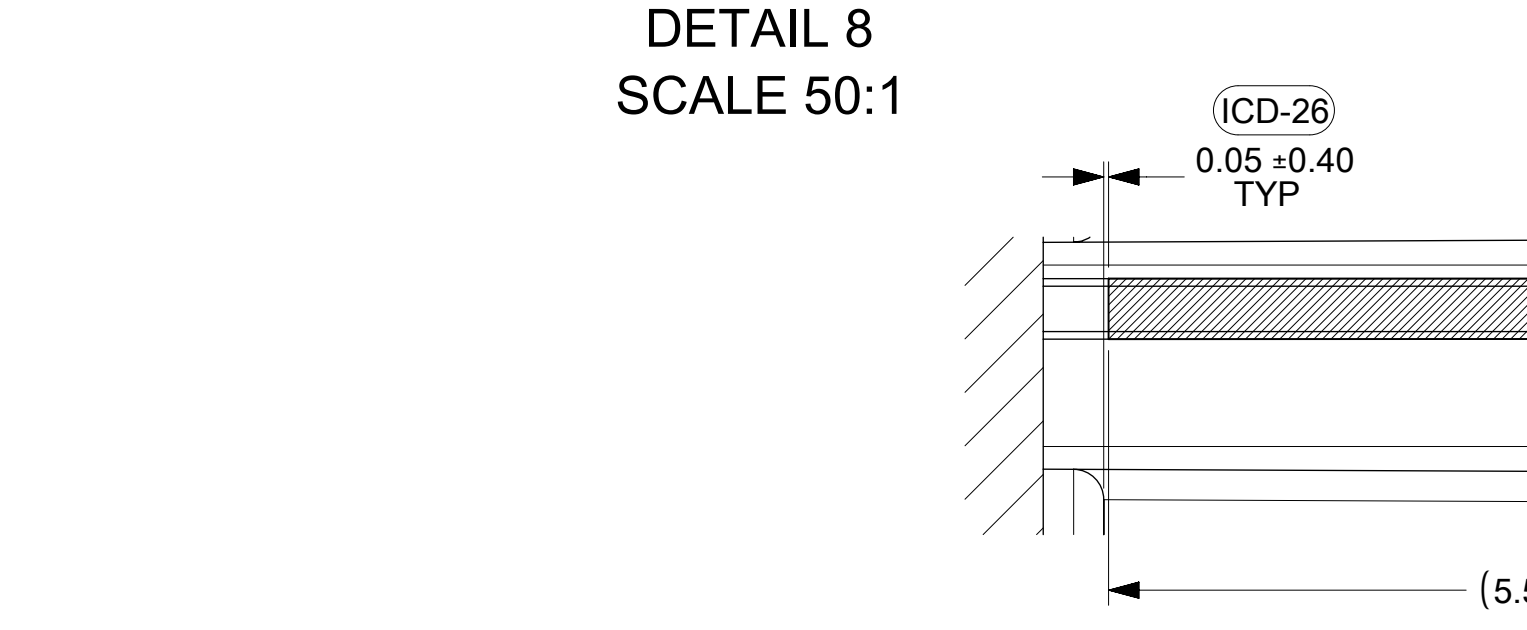
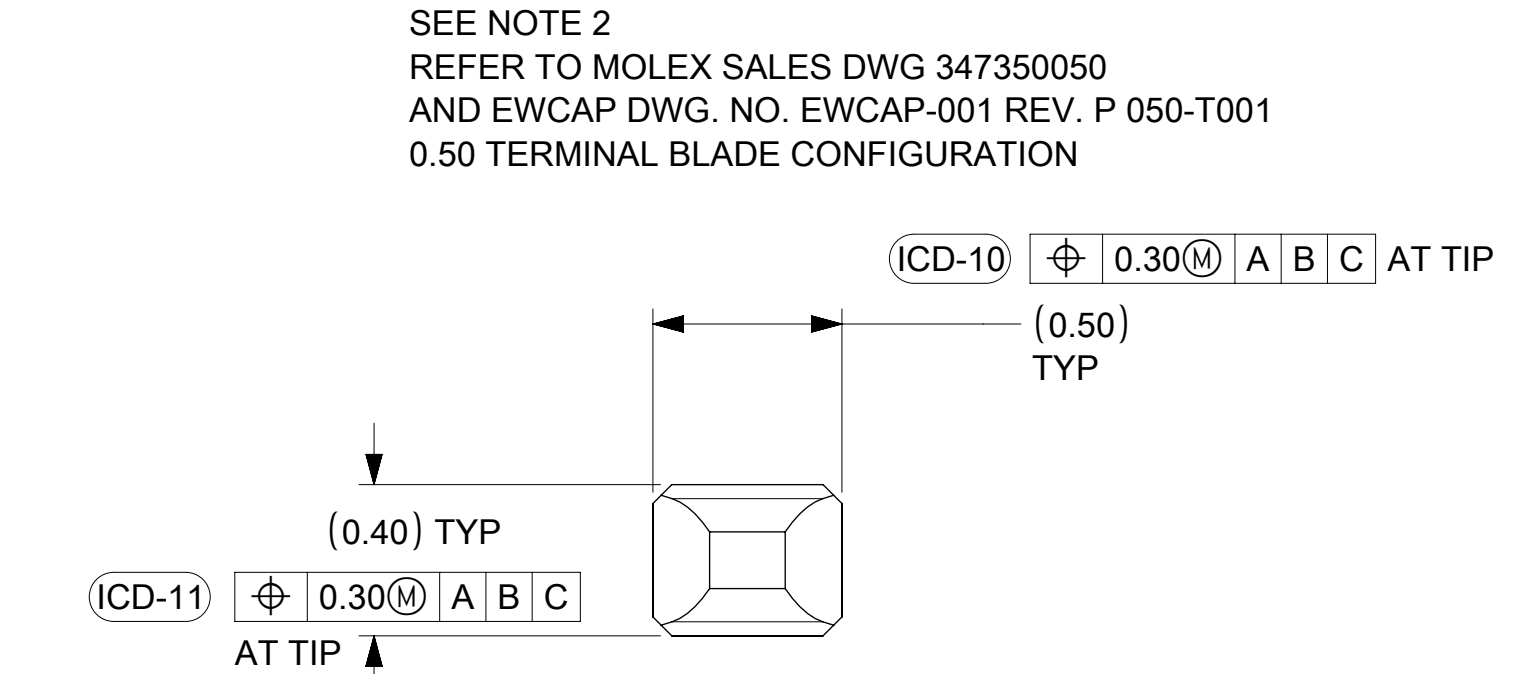
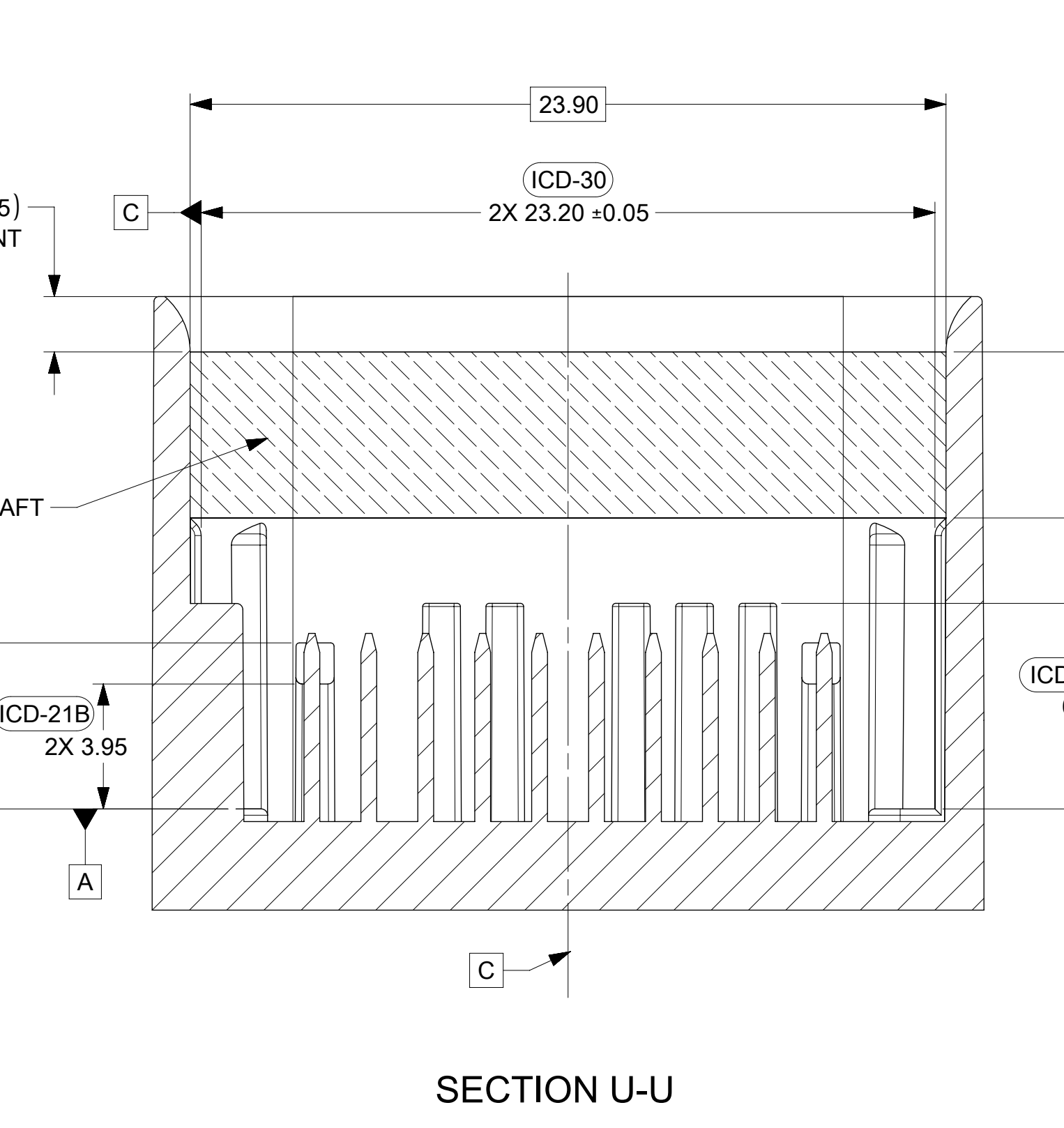
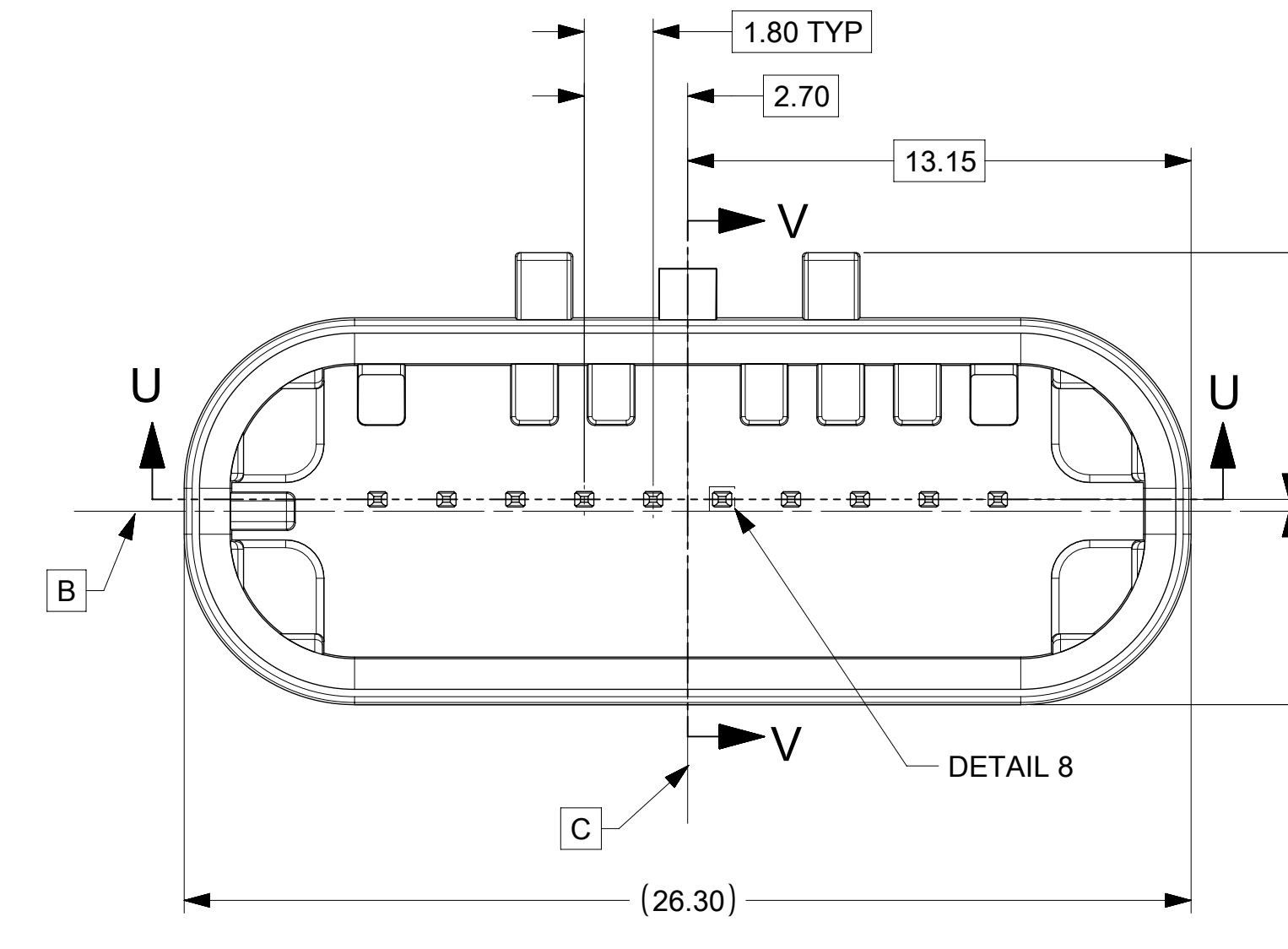
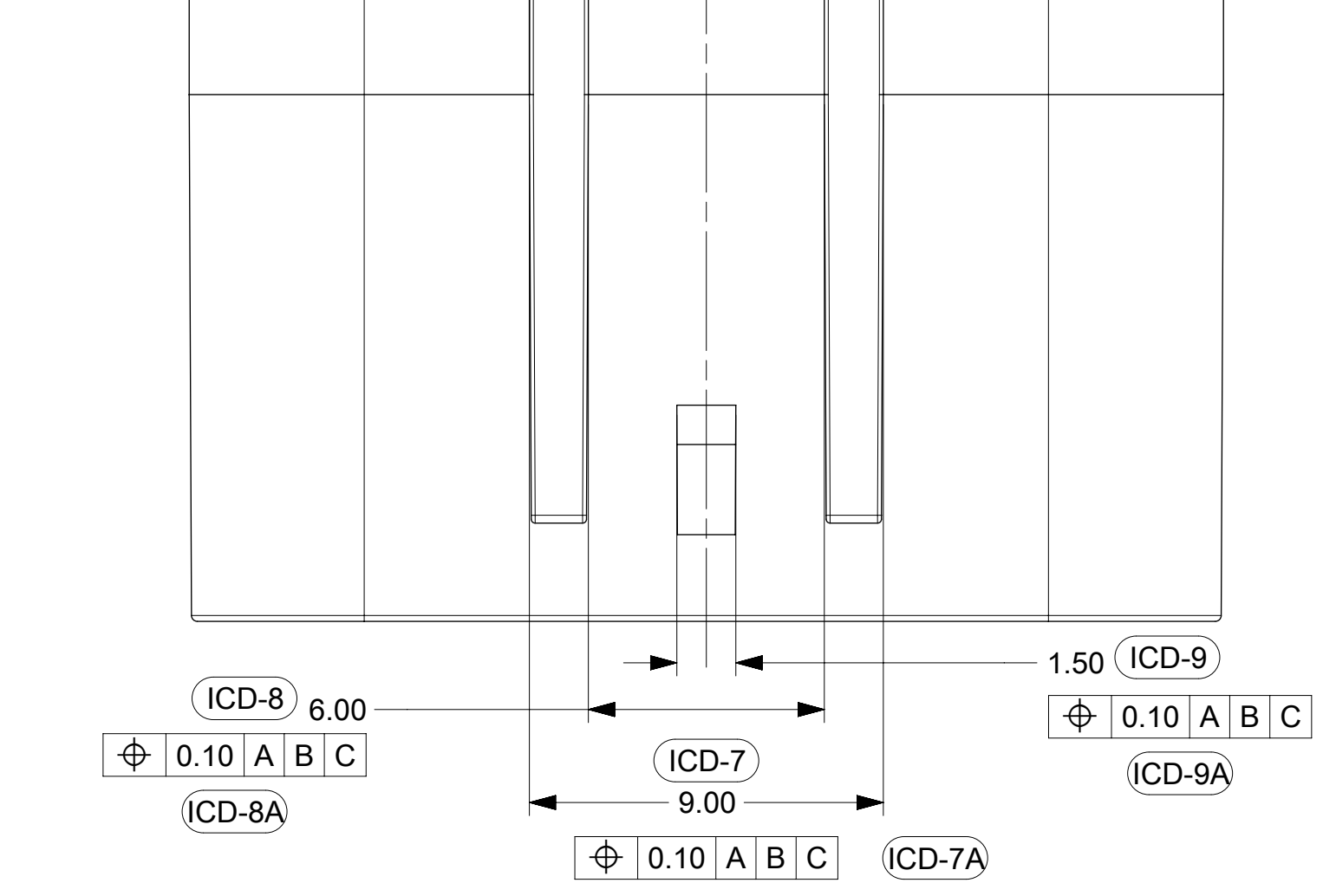
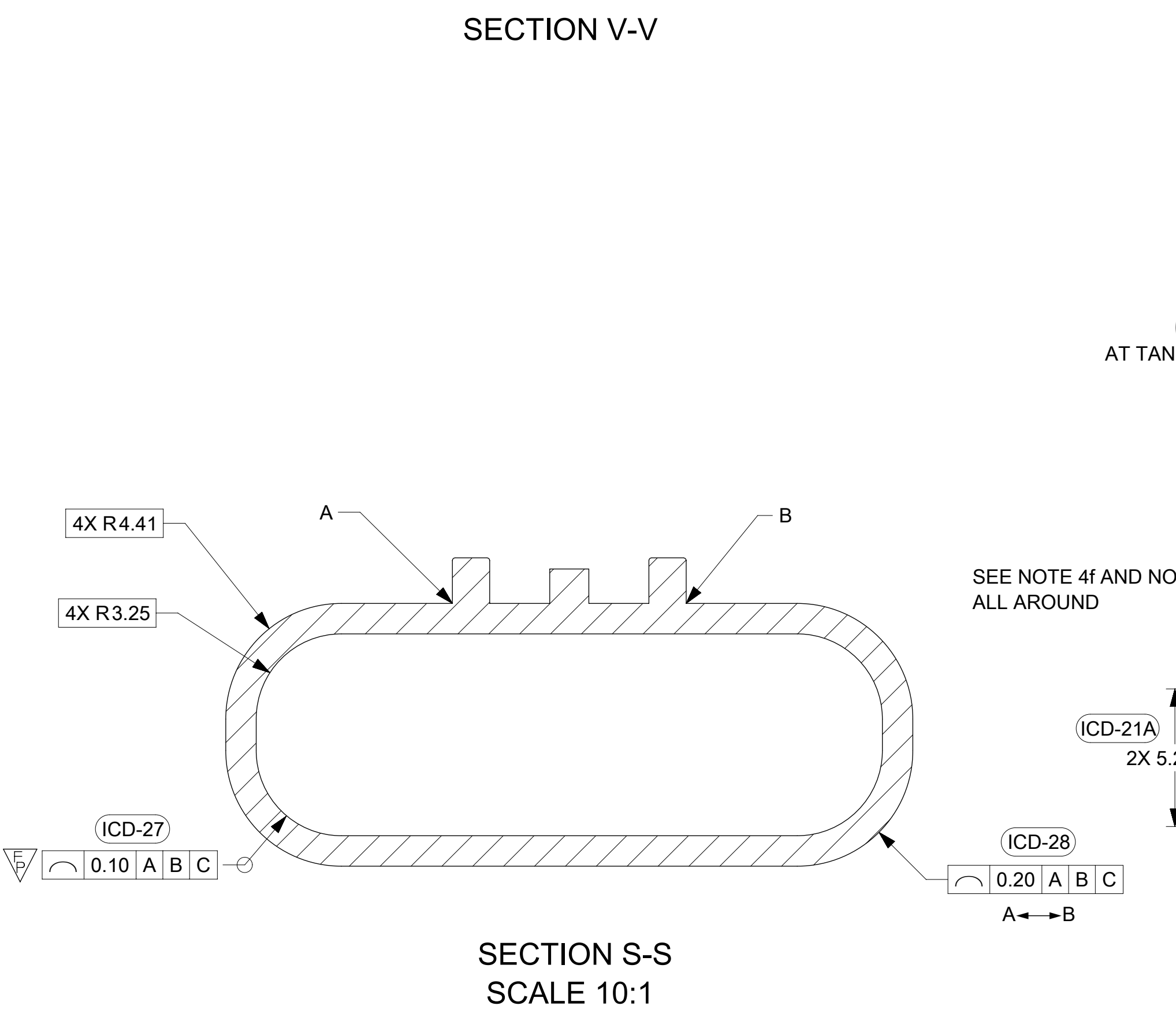
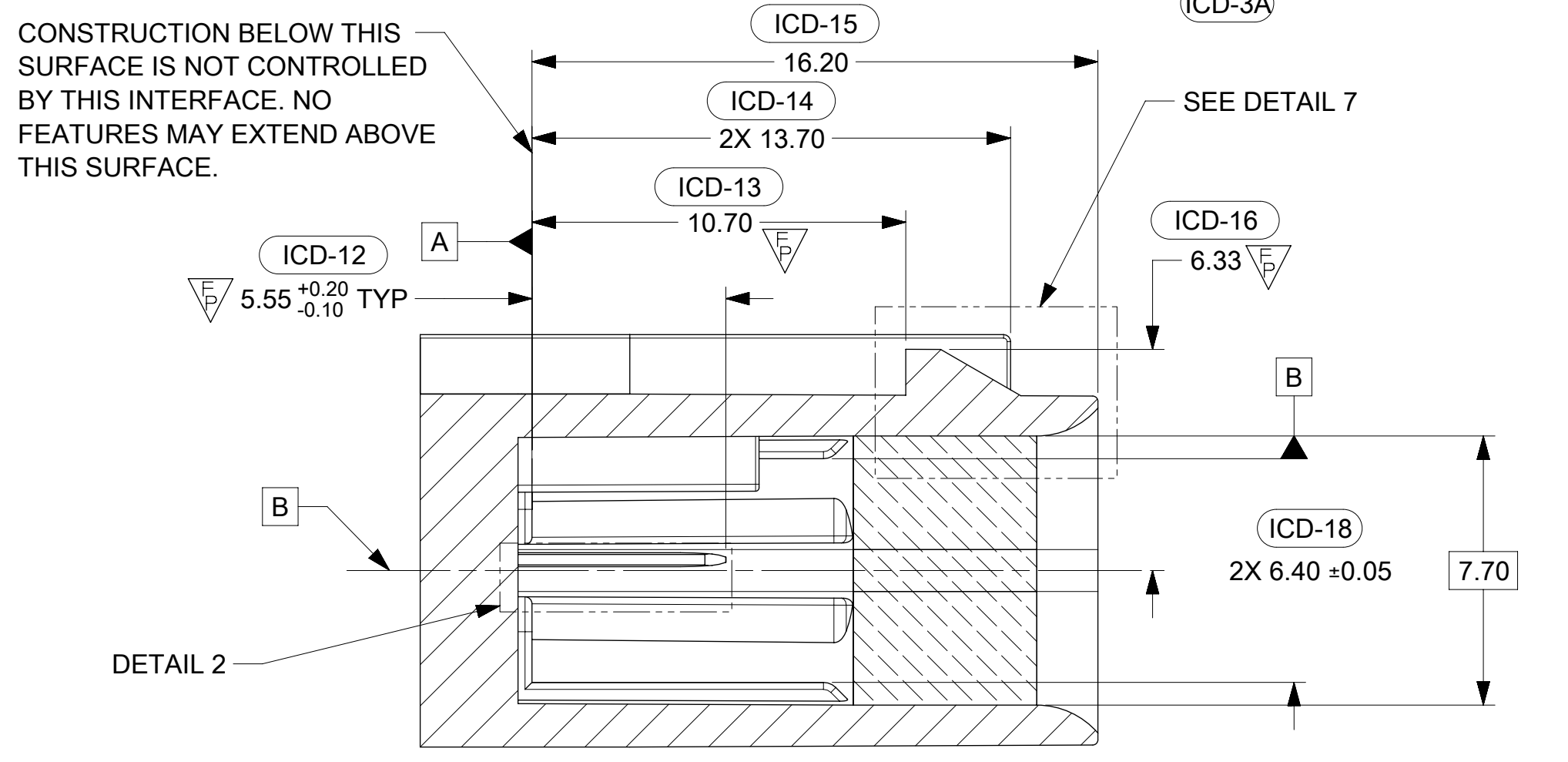
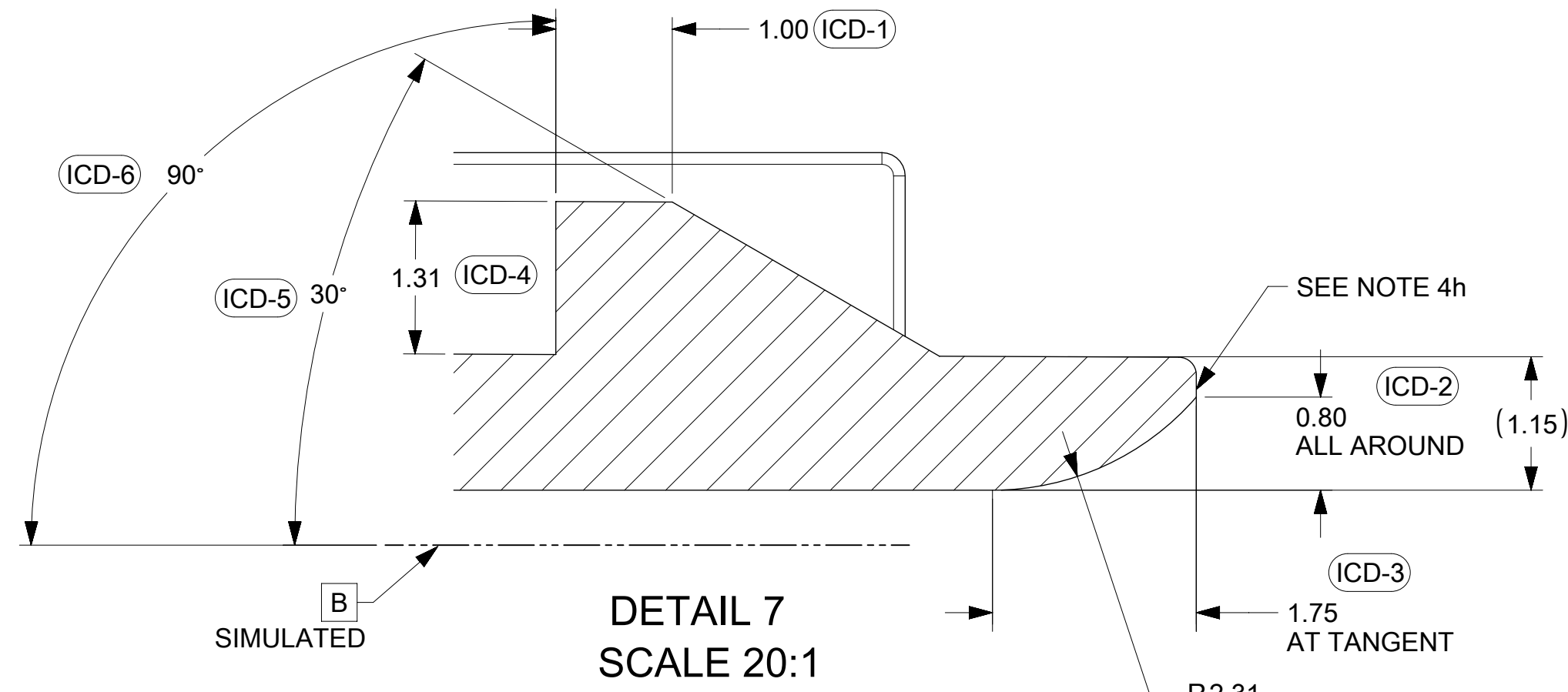
KEY OPTION C



KEY OPTION D

QUALITY SYMBOLS		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION																	
▽ = 0 ▽ = 0 ▽ = 0 ▽ = 0 ▽ = 0 ▽ = 0 ▽ = 0 ▽ = 0 ▽ = 0 ▽ = 0	EC NO: 659036 DRWN: ML149 CHKD: JCONDON APPR: JCONDON REV: 0	2021/02/26		2021/03/24		GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION UNITS		SCALE		molex® MINI50 SEALED 1X10 INTERFACE PRODUCT CUSTOMER DRAWING							
								mm		1:1									
								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		MATERIAL NUMBER		CUSTOMER	
								0 PLACES ±		A1				34968		SEE CHART			
								DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS						DOCUMENT NUMBER		DOC TYPE		DOC PART	
												349681800		PSD		000		2 OF 4	

SHEET DESCRIPTION
CONNECTOR INTERFACE DEFINITION



SYMBOLS		2021/02/26 2021/03/24 2021/03/24	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION UNITS		SCALE		molex®						
= 0			mm		1:1										
= 0			ANGULAR TOL ± 3.0 °		DRWN BY		DATE		MINI50 SEALED 1X10 INTERFACE						
= 0			4 PLACES ±		MNS02		2016/04/21								
= 0			3 PLACES ±		CHK'D BY		DATE								
= 0			2 PLACES ± 0.1		APPR BY		DATE		PRODUCT CUSTOMER DRAWING						
= 0			1 PLACE ± 0.2		KDEKOSKI		2016/05/04								
= 0			0 PLACES ±		DRAWING SIZE		THIRD ANGLE PROJECTION		SERIES		MATERIAL NUMBER		CUSTOMER		
= 0			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		A1				34968		SEE CHART				
= 0			D1		REV				DOCUMENT NUMBER		DOC TYPE		DOC PART		SHEET NUMBER
								349681800		PSD		000		3 OF 4	

