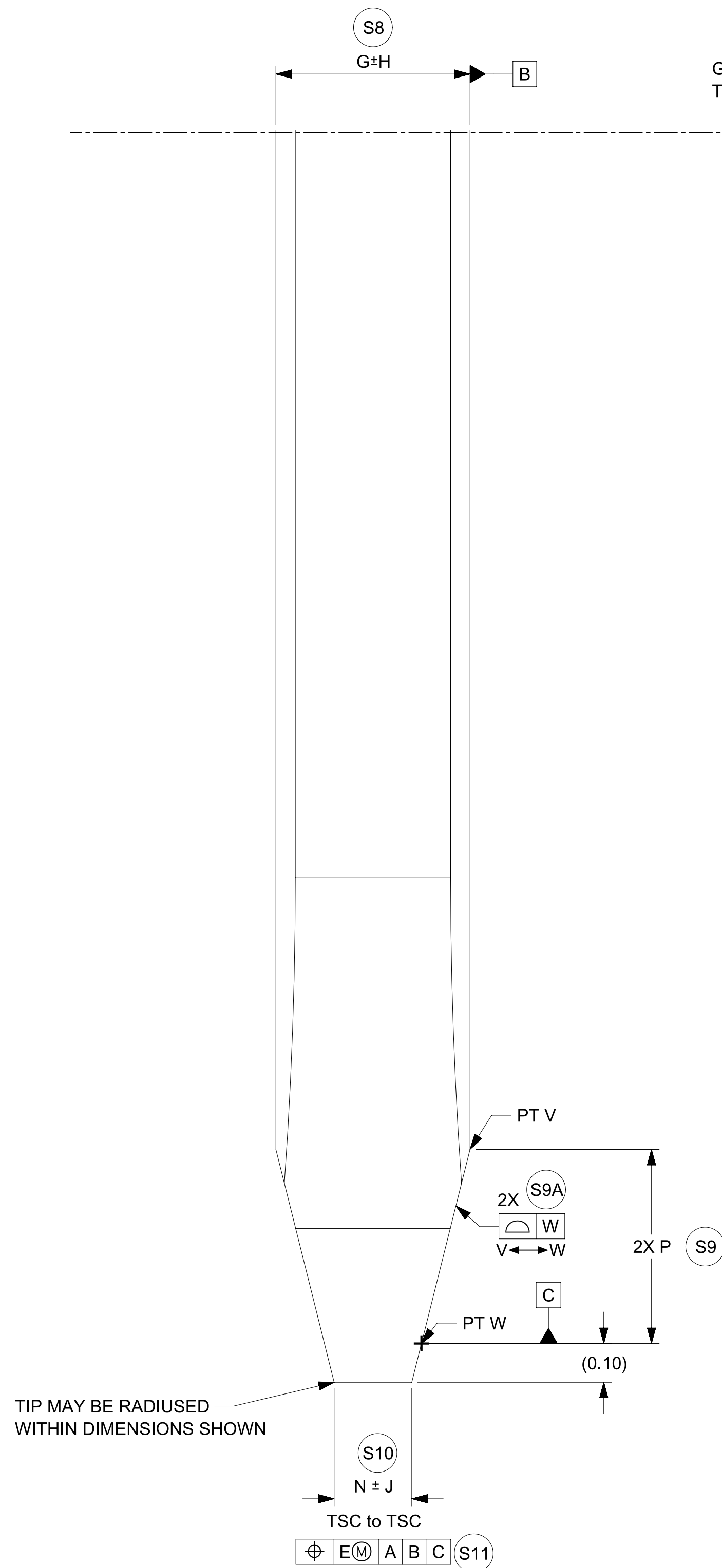




GEOMETRY & PLATING ABOVE
THE LINE IS NOT CONTROLLED
BY THIS DOCUMENT

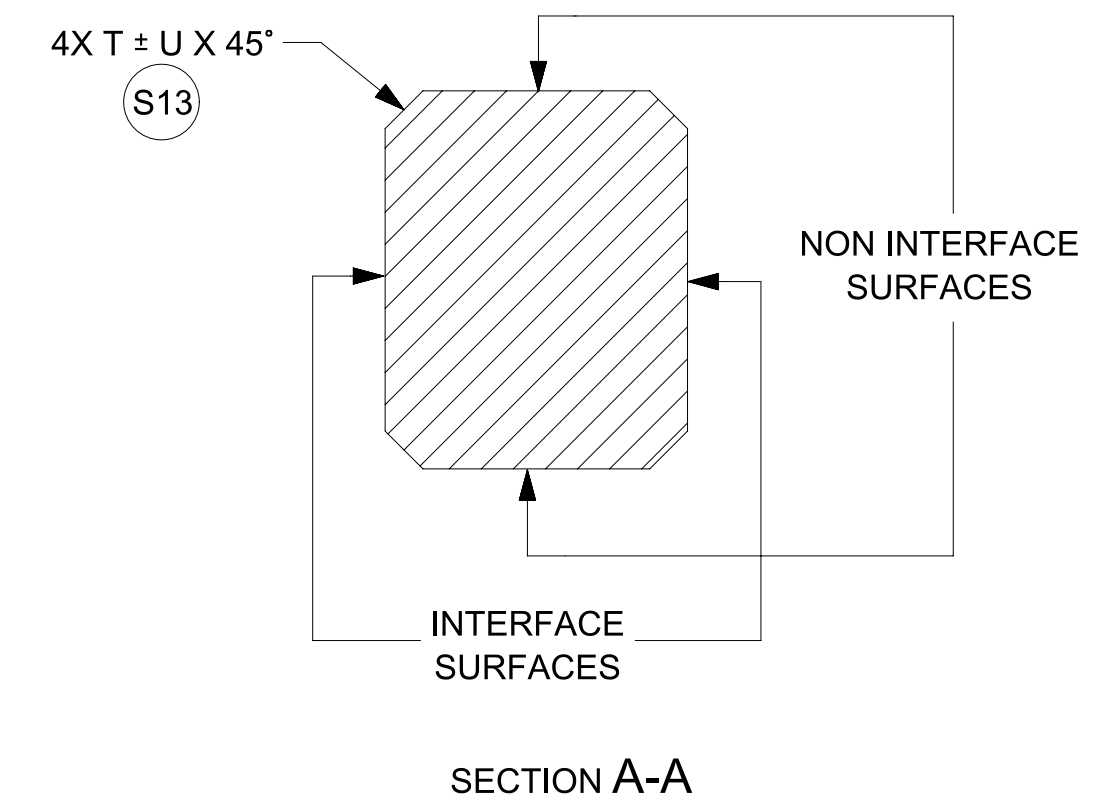
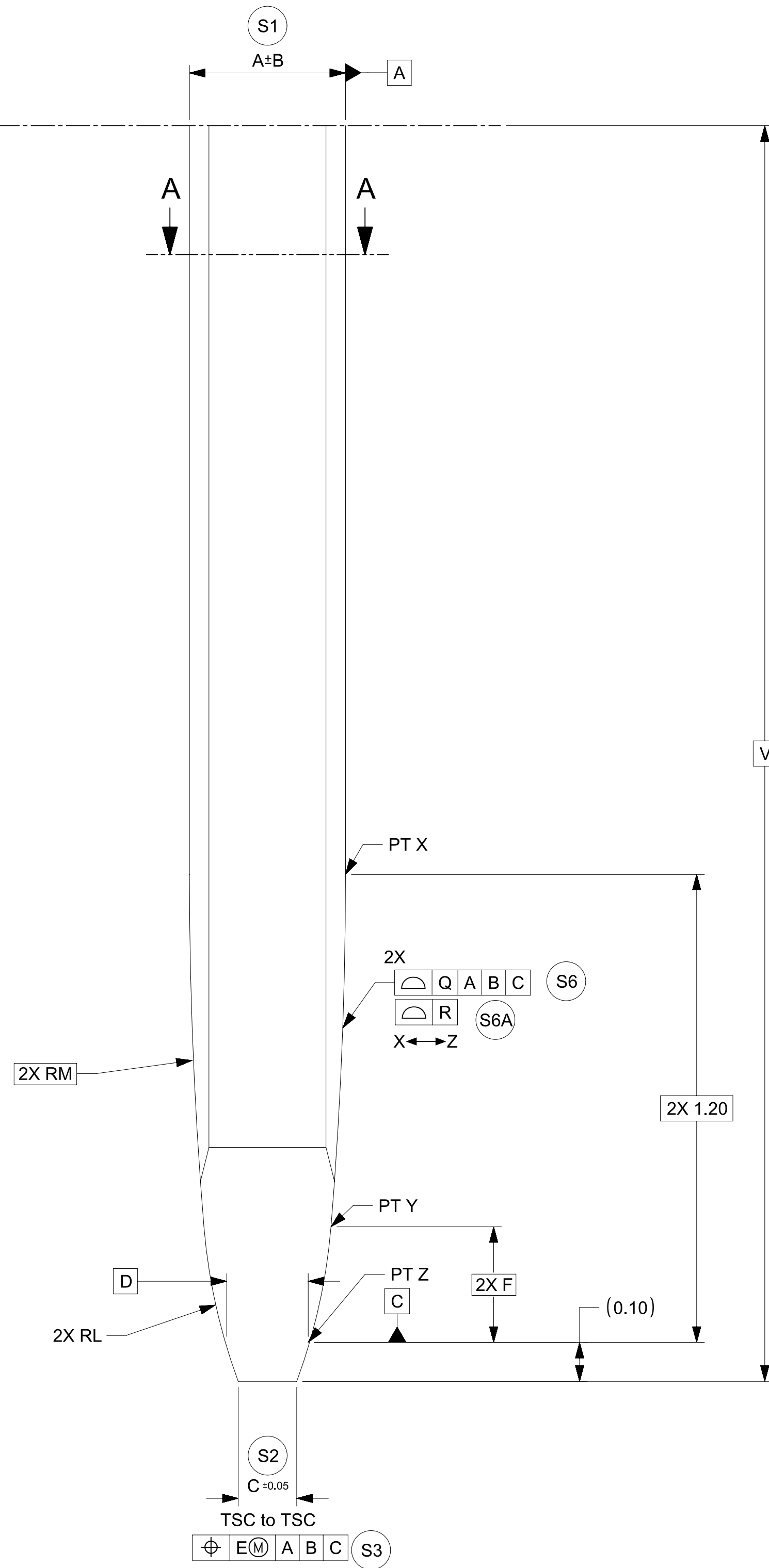


TABLE 1			DRAWING DIMENSIONS																		
Model NO.	Description	Application	A	B	C	D	E	F	G	H	J	L	M	N	P	Q	R	T	U	V	W
34735-0004_FM_000	0.50mm BLADE	HEADER	0.40	0.015	0.15	0.216	0.05	0.296	0.50	0.03	0.05	1.5	11	0.20	0.50	0.10	0.06	0.05	0.03	4.0 MIN	0.08
34735-0001_FM_000	0.64mm BLADE NORMAL THICKNESS	HEADER	0.64	0.03	0.25	0.356	0.10	0.285	0.64	0.03	0.05	1	7	0.25	0.55	0.10	0.06	0.05	0.03	5.5 MIN	0.08
34735-0002_FM_000	0.64mm BLADE - REDUCED THICKNESS	HEADER	0.625	0.015	0.234	0.341	0.10	0.285	0.64	0.03	0.05	1	7	0.25	0.55	0.10	0.06	0.05	0.03	5.5 MIN	0.08
34735-0006_FM_000	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	0.10	0.06	0.05	0.03	5.5 MIN	0.13
34735-0003_FM_000	1.50mm BLADE	HEADER	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	0.10	0.06	0.05	0.03	5.0 MIN	0.13
34735-0010_FM_000	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	0.15	0.06	0.06	0.05	9.5 MIN	0.25
34735-0011_FM_000	6.3mm BLADE	HEADER	0.80	0.025	0.31	0.345	0.10	0.314	6.0	0.25	0.20	1	4	3.90	1.10	0.15	0.06	0.06	0.05	10.5 MIN	0.13
34735-0012_FM_000	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	0.10	0.06	N/A	N/A	5.5 MIN	0.13

FUNCTIONAL SYMBOLS FA = 0 FC = 0 FE = 0 DIVISIONAL SYMBOLS	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION																
	DIMENSION UNITS		SCALE		CURRENT REV DESC:					molex DESIGN STANDARD HEADER PIN & BLADE TIP GEOMETRY FOR MATING TO HARNESS TERMINALS							
	mm		100:1														
	GENERAL TOLERANCES (UNLESS SPECIFIED)					PHASE: Design Production EC NO: CO-000000508 DRWN: Raghavendra MV 2022-01-31 CHK'D: Nathan Song 2022-02-07 APPR: Deepak Patil 2022-02-09 INITIAL REVISION: DRWN: Raghavendra MV 2022-01-31 APPR: Deepak Patil 2022-02-09											
	ANGULAR TOL ± 0.5°																
	4 PLACES		± 0.00000														
	3 PLACES		± 0.0150														
	2 PLACES		± 0.050														
	1 PLACE		± 0.10			DOCUMENT NUMBER 347350050					DOC TYPE PSD		DOC PART 000		REVISION A21		
	0 PLACES		± 0.00														
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS					THIRD ANGLE PROJECTION		DRAWING		SERIES		MATERIAL NUMBER		CUSTOMER		SHEET NUMBER 2 OF 2		
				A1-SIZE		34735											

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:

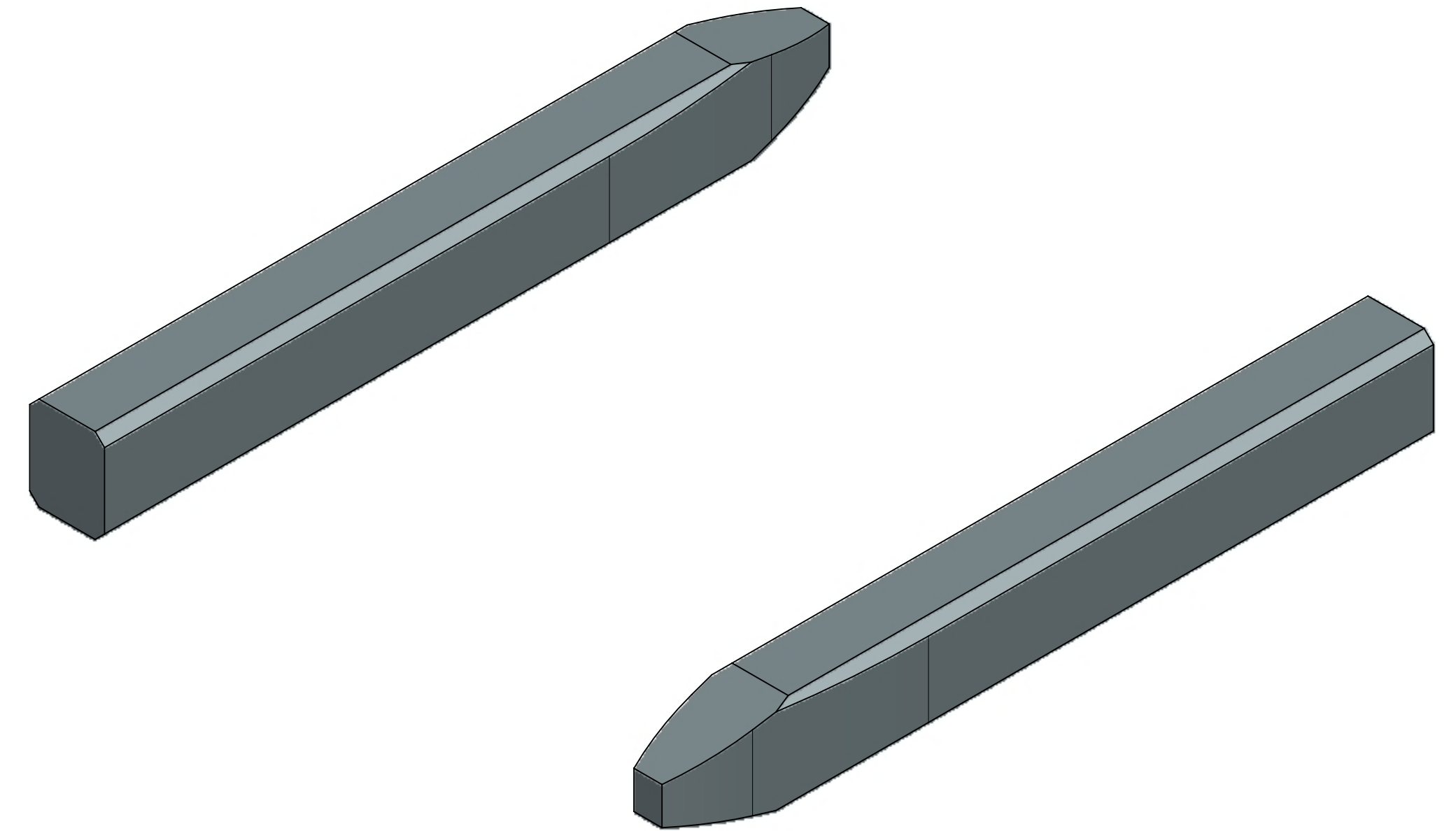
- ## 2.1. BASE MATERIAL TYPE : COPPER ALLOY

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

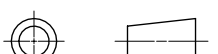
4. DESIGN - MANUFACTURING:

- 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.

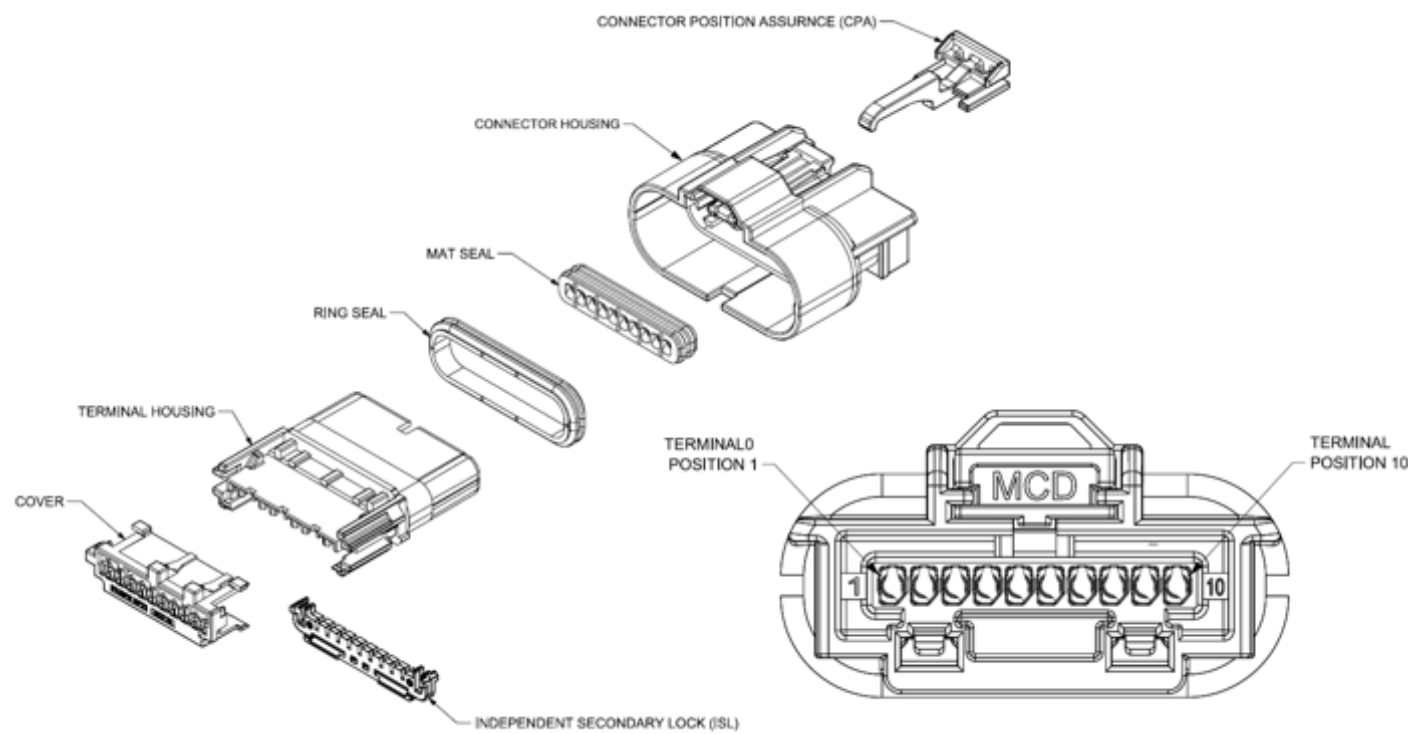


SCALE 50:1

0.5 MM PIN VIEW SHOWN FOR REPRESENTATION PURPOSES ONLY

FUNCTIONAL SYMBOLS $\frac{F_A}{E} = 0$ $\frac{F_C}{E} = 0$ $\frac{F_D}{E} = 0$ DIVISIONAL SYMBOLS	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION																			
	DIMENSION UNITS		SCALE		CURRENT REV DESC:					molex DESIGN STANDARD HEADER PIN & BLADE TIP GEOMETRY FOR MATING TO HARNESS TERMINALS										
	mm		50:1																	
	GENERAL TOLERANCES (UNLESS SPECIFIED)					PHASE: Design Production EC NO: CO-000000508 DRWN: Raghavendra MV 2022-01-31 CHK'D: Nathan Song 2022-02-07 APPR: Deepak Patil 2022-02-09														
	ANGULAR TOL ± 0.5°																			
	4 PLACES		± 0.00000																	
	3 PLACES		± 0.0150																	
	2 PLACES		± 0.050																	
	1 PLACE		± 0.10			INITIAL REVISION: DRWN: Raghavendra MV 2022-01-31 APPR: Deepak Patil 2022-02-09					DOCUMENT NUMBER		DOC TYPE		DOC PART		REVISION			
	0 PLACES		± 0.00								347350050				PSD		000		A21	
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS					THIRD ANGLE PROJECTION			DRAWING		SERIES		MATERIAL NUMBER			CUSTOMER			SHEET NUMBER		
								A1-SIZE		34735								1 OF 2		

BOM AND PIN OUT SHEET



ABBREVIATION	DESCRIPTION	COLOR	MATERIAL
A-BLACK	COVER KEYING OPTION A	BLACK	SPS/NYLON GF20, 25% MAX REGRIND
B-LIGHT GRAY	COVER KEYING OPTION B	LIGHT GRAY	SPS/NYLON GF20, 25% MAX REGRIND
C-DARK GRAY	COVER KEYING OPTION C	DARK GRAY	SPS/NYLON GF20, 25% MAX REGRIND
D-STONE GRAY	COVER KEYING OPTION D	STONE GRAY	SPS/NYLON GF20, 25% MAX REGRIND
C-HSG-P	CONNECTOR HOUSING PLUGED, W/ BRIDGE	BLACK	SPS/NYLON GF20, 25% MAX REGRIND
C-HSG-O	CONNECTOR HOUSING OPEN, W/ BRIDGE	BLACK	SPS/NYLON GF20, 25% MAX REGRIND
T-HSG	TERMINAL HOUSING	BLACK	SPS/NYLON GF20, 25% MAX REGRIND
ISL	INDEPENDENT SECONDARY LOCK	NATURAL	SPS GF 30, 25% MAX REGRIND
CPA	CONNECTOR POSITION ASSURANCE	RED	PBT GF 30, 25% MAX REGRIND
M	MAT SEAL	LIGHT BLUE	NHERENTLY LUBRICATED SILICONE
R	RING SEAL	RUST RED	INHERENTLY LUBRICATED SILICONE

FOR ADDITIONAL INFORMATION SEE 1x10 - 349671000/PSD

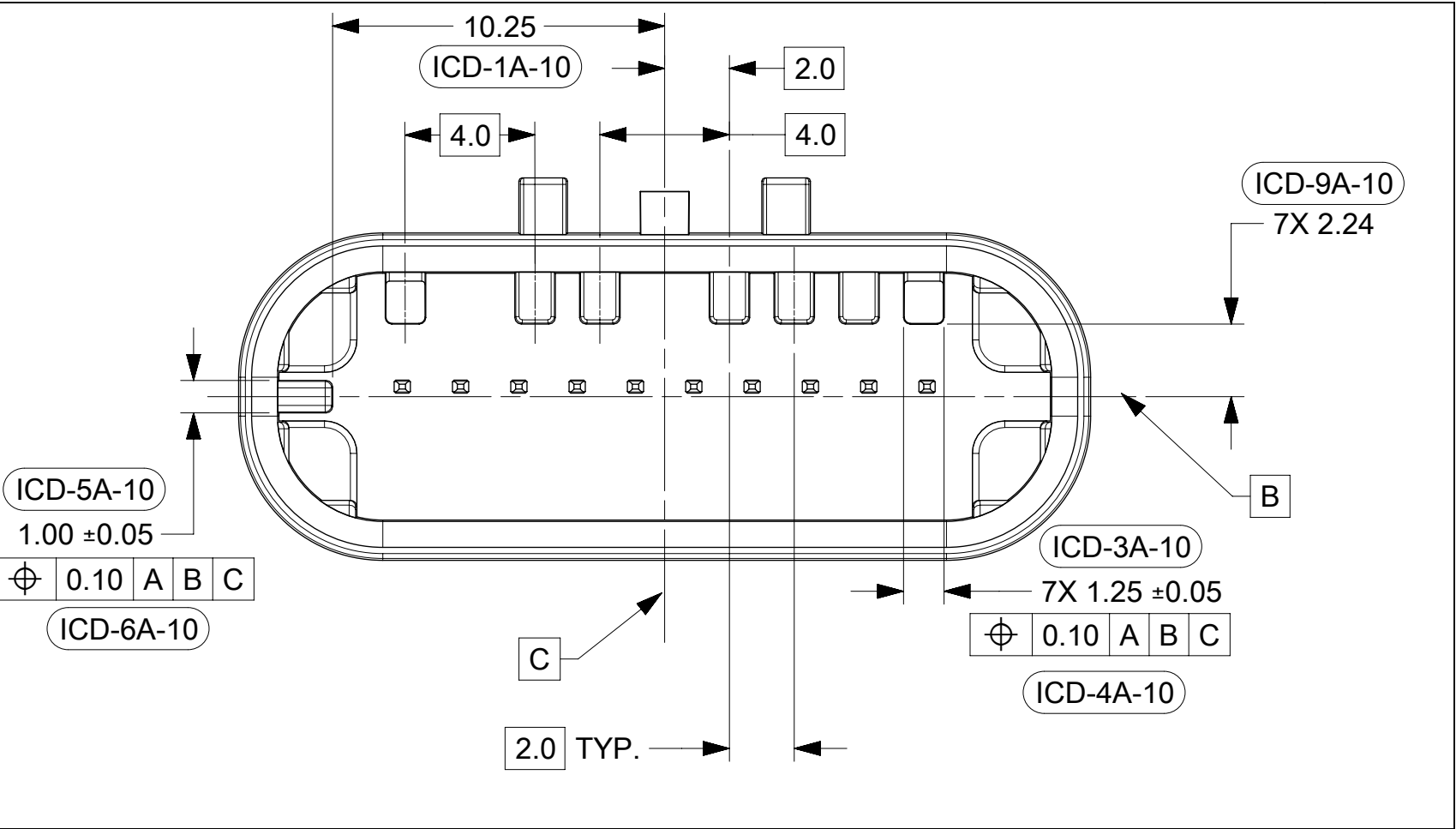
ASSEMBLY DESCRIPTION	ASSEMBLY PART NUMBER	COMPONENT							BLOCKED TERMINALS										STATUS	COMMENTS	OPTIONAL ATTATCHMENTS SOLD SEPERATELY
		THE PRESENCE OF AN ABBREVIATION INDICATES THE PRESENCE OF THAT COMPONENT							CAVITY WITH A NUMBER INDICATES BLOCKED TERMINAL POSITION CAVITY WITHOUT A NUMBER INDICATES OPEN TERMINAL POSITION												BLACKSHELL P/N
		COVER KEY/ COLOR	CONNECTOR HOUSING	TERMINAL HOUSING	ISL	CPA	MAT SEAL	RING SEAL													
MINI50 SEALED 1X10 RCPT CONN KEY A CPA	349671001	A-BLACK	C-HSG-O	T-HSG	ISL	YES	M	R	-	-	-	-	-	-	-	-	-	-	SALEABLE		349671020
MINI50 SEALED 1X10 RCPT CONN KEY B CPA	349671002	B-LIGHT GRAY	C-HSG-O	T-HSG	ISL	YES	M	R	-	-	-	-	-	-	-	-	-	-	SALEABLE		349671020
MINI50 SEALED 1X10 RCPT CONN KEY C CPA	349671003	C-DARK GRAY	C-HSG-O	T-HSG	ISL	YES	M	R	-	-	-	-	-	-	-	-	-	-	SALEABLE		349671020
MINI50 SEALED 1X10 RCPT CONN KEY D CPA	349671004	D-STONE GRAY	C-HSG-O	T-HSG	ISL	YES	M	R	-	-	-	-	-	-	-	-	-	-	SALEABLE		349671020
MINI50 SEALED 1X10 RCPT CONN KEY A CPA	349671005	A-BLACK	C-HSG-O	T-HSG	ISL	NO	M	R	-	-	-	-	-	-	-	-	-	-	SALEABLE		349671020
MINI50 SEALED 1X10 RCPT CONN KEY B CPA	349671006	B-LIGHT GRAY	C-HSG-O	T-HSG	ISL	NO	M	R	-	-	-	-	-	-	-	-	-	-	SALEABLE		349671020
MINI50 SEALED 1X10 RCPT CONN KEY C CPA	349671007	C-DARK GRAY	C-HSG-O	T-HSG	ISL	NO	M	R	-	-	-	-	-	-	-	-	-	-	SALEABLE		349671020
MINI50 SEALED 1X10 RCPT CONN KEY D CPA	349671008	D-STONE GRAY	C-HSG-O	T-HSG	ISL	NO	M	R	-	-	-	-	-	-	-	-	-	-	SALEABLE		349671020
MINI50 SEALED 1X10 RCPT CONN KEY A CPA/4	349671151	A-BLACK	C-HSG-P	T-HSG	ISL	YES	M	R	-	-	-	-	5	6	7	8	-	-	SALEABLE		349671020
MINI50 SEALED 1X10 RCPT CON KEY A CPA/7	349671152	A-BLACK	C-HSG-P	T-HSG	ISL	YES	M	R	-	-	-	-	-	-	-	8	9	10	SALEABLE		349671020

18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1
TABLE OF CONTENTS																	
SHEET NO.		SHEET DESCRIPTION															
1		INTERFACE NOTES AND BOM															
2		INTERFACE KEY CONFIGURATIONS															
3		INTERFACE DEFINITION															
4		INTERFACE DATUM TARGETS															

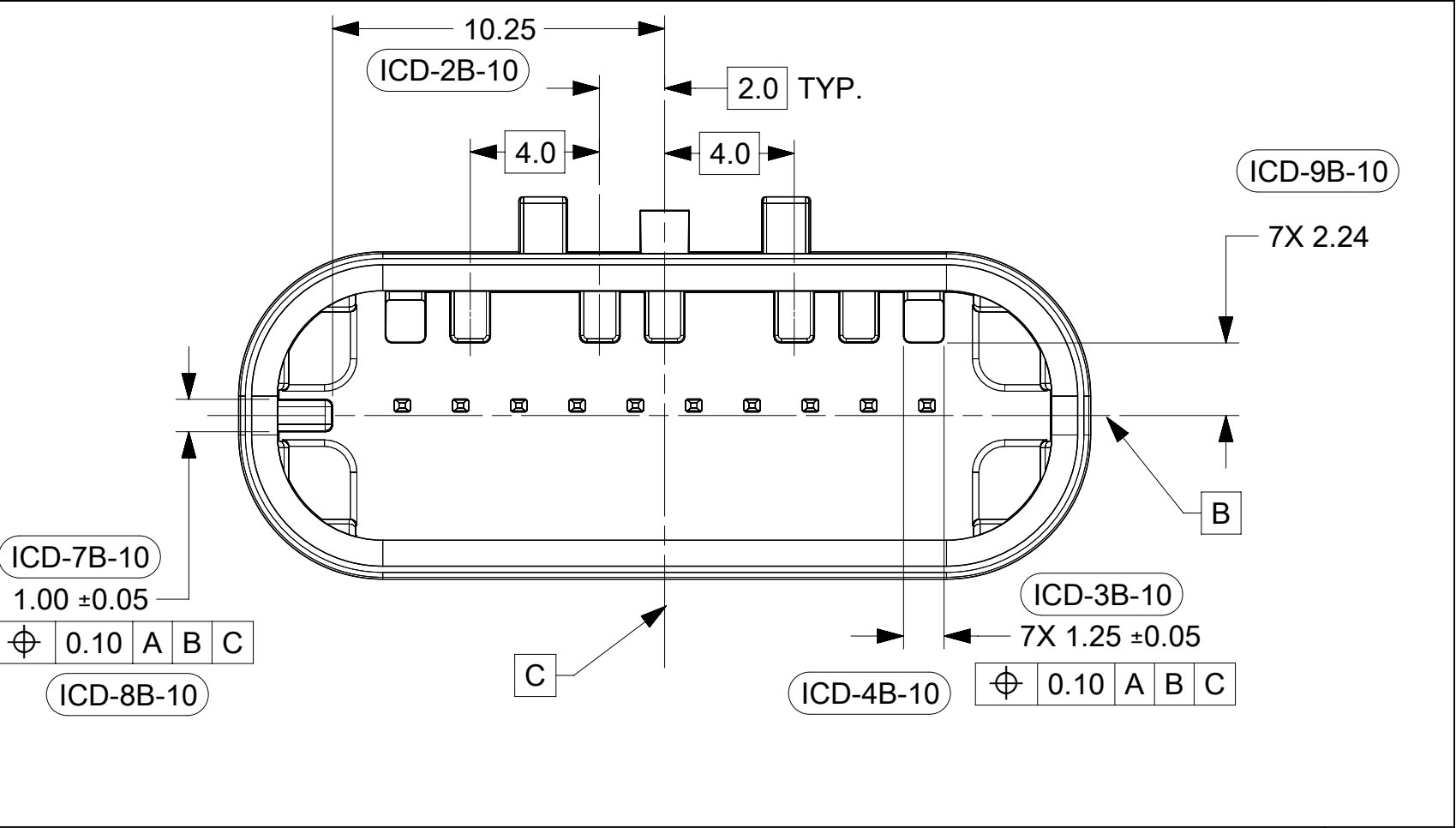
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SHEET DESCRIPTION

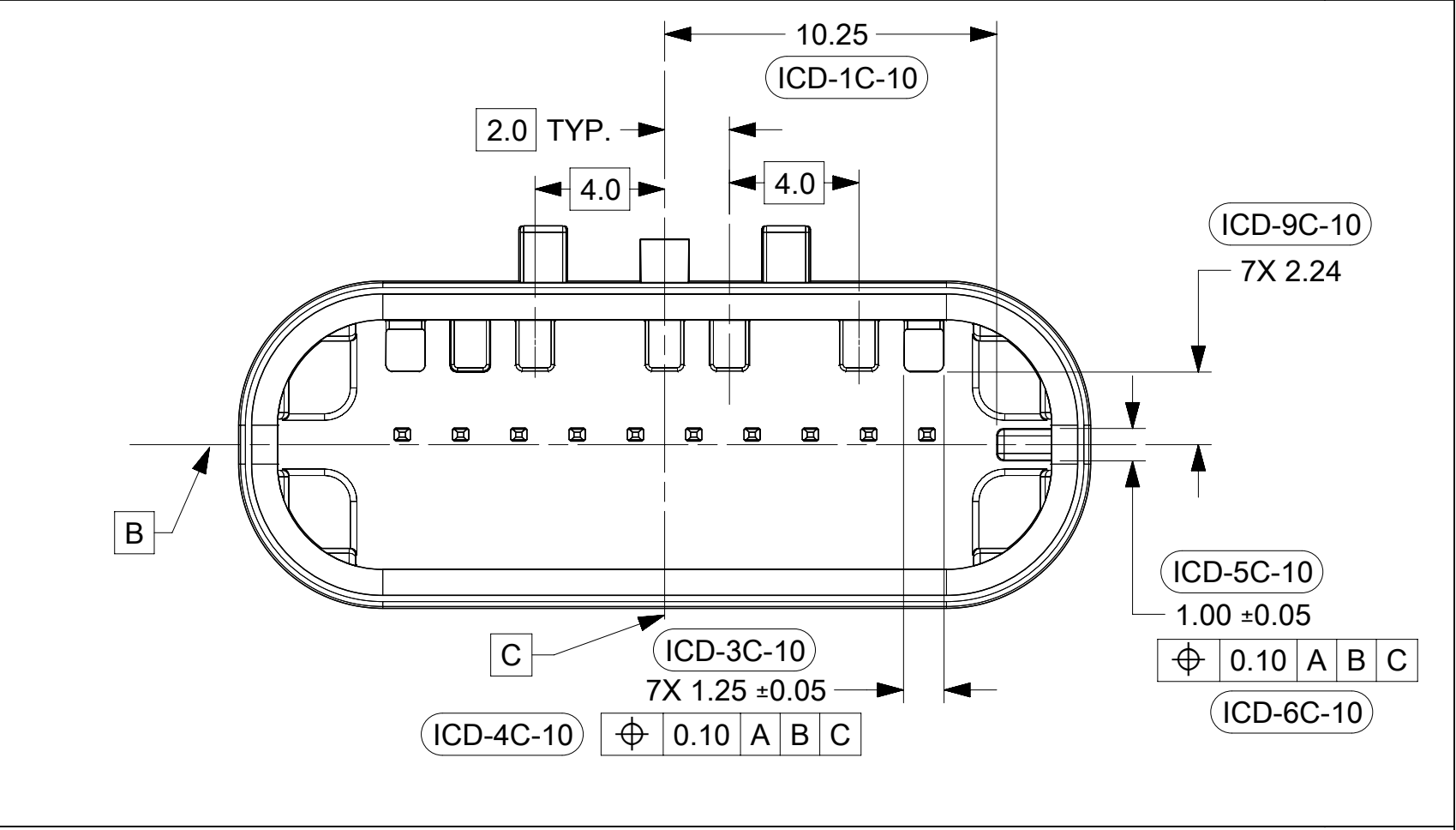
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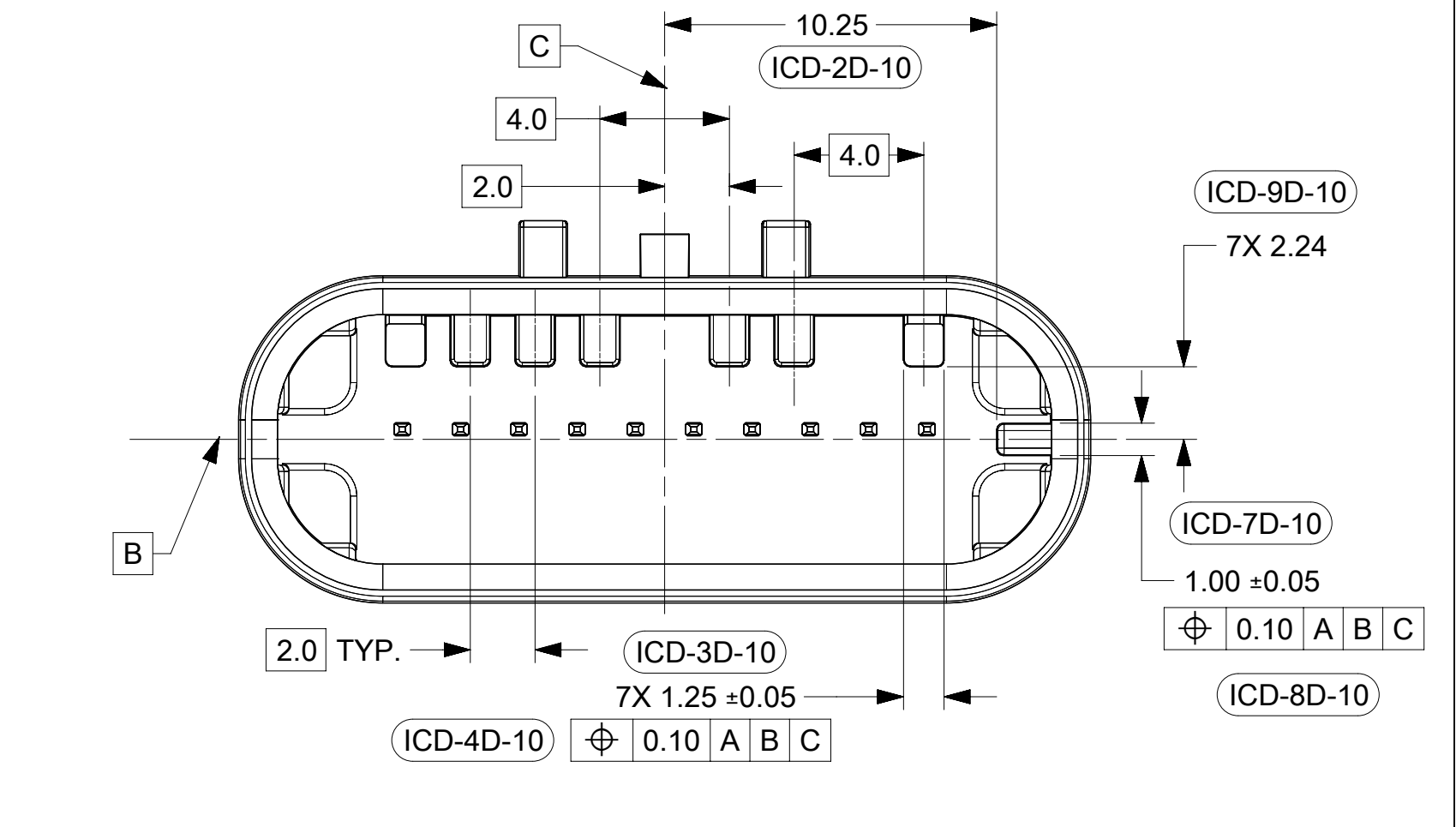
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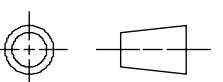
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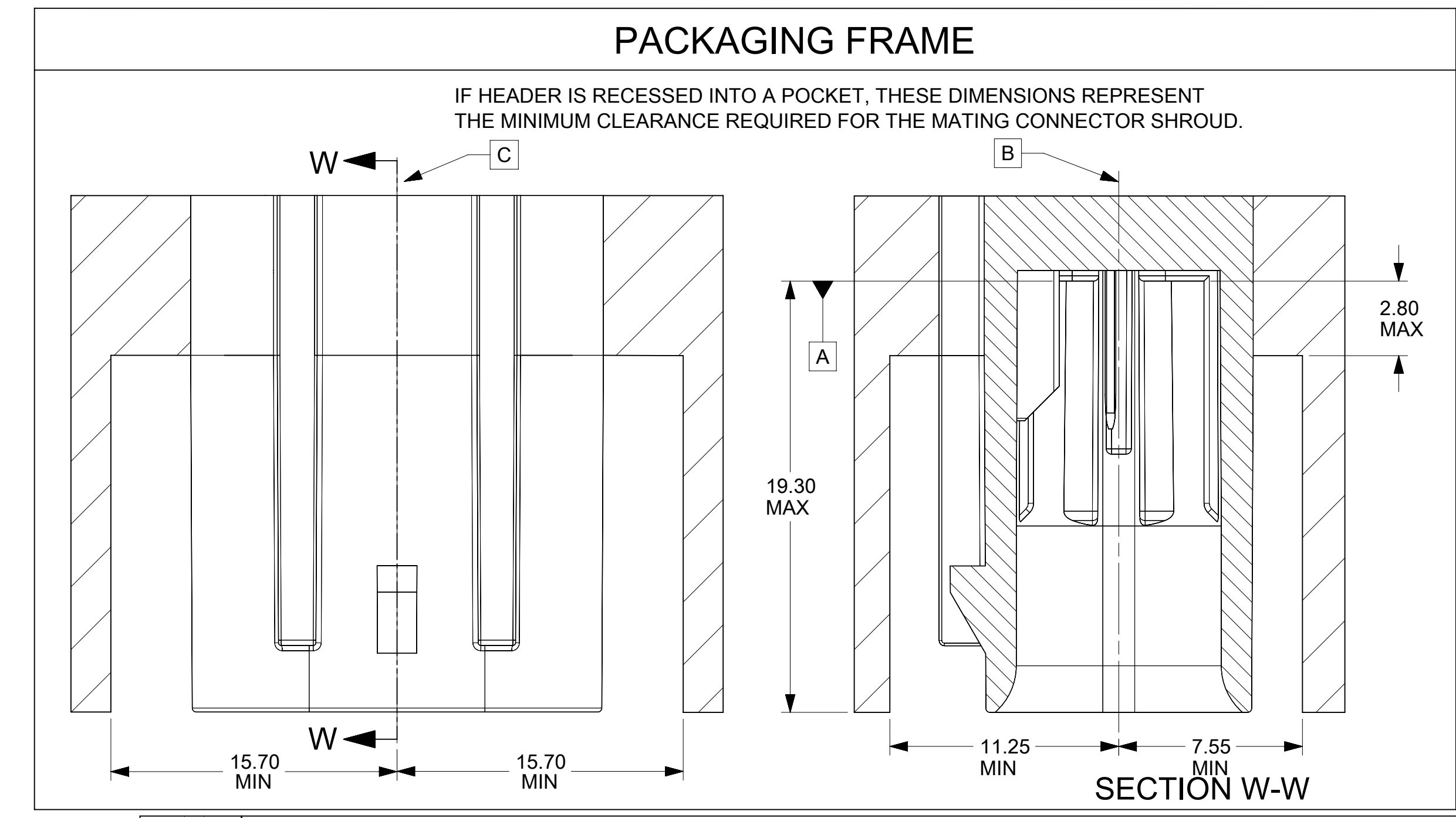
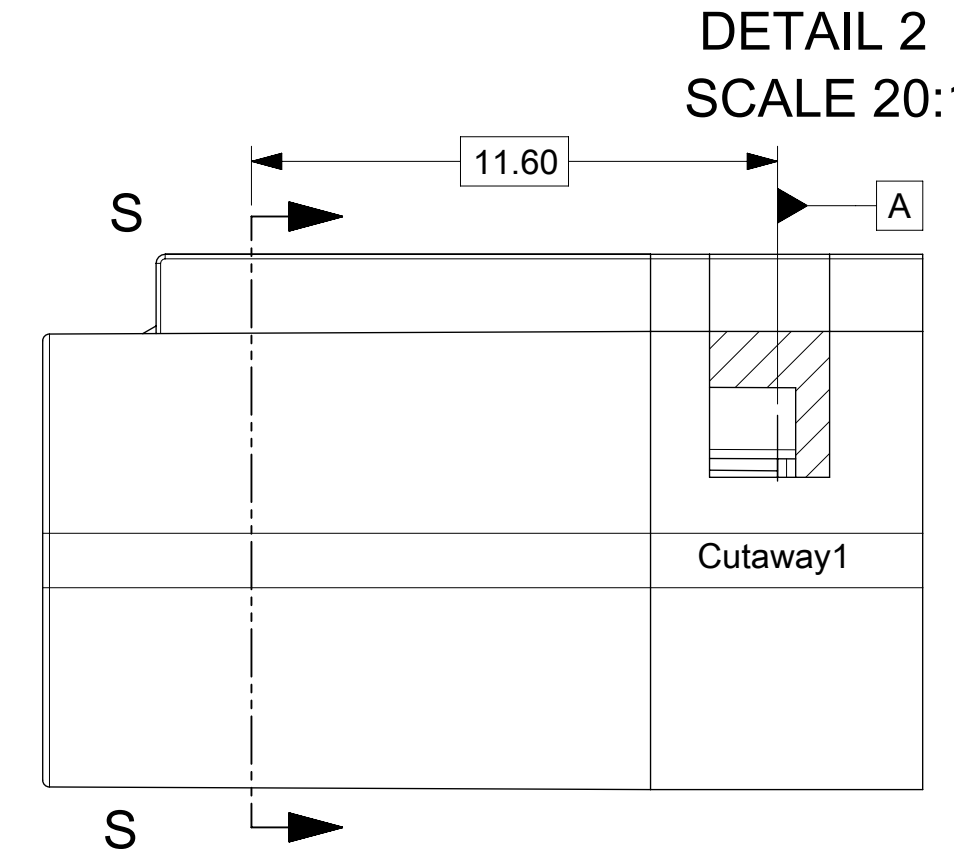
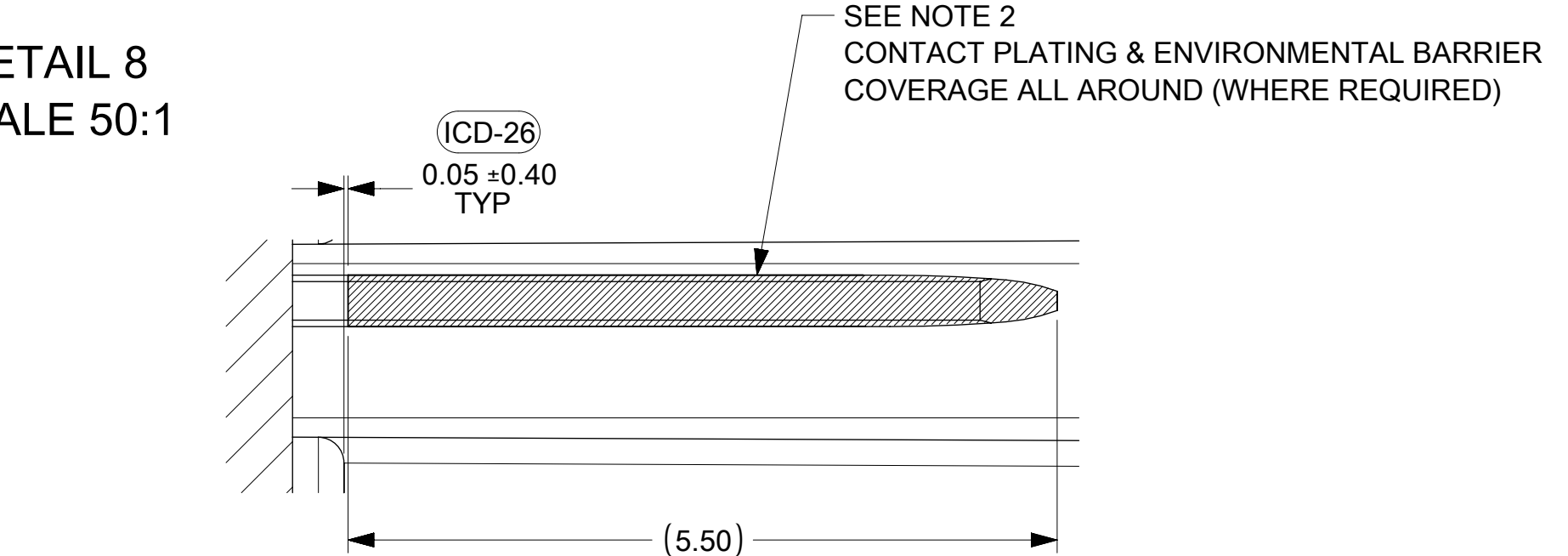
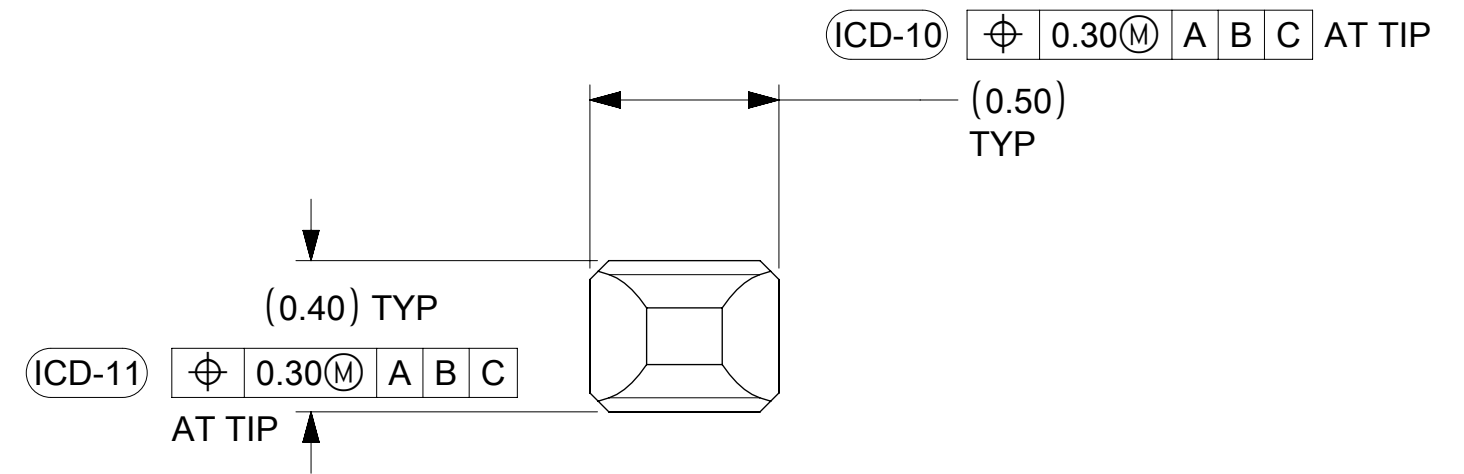
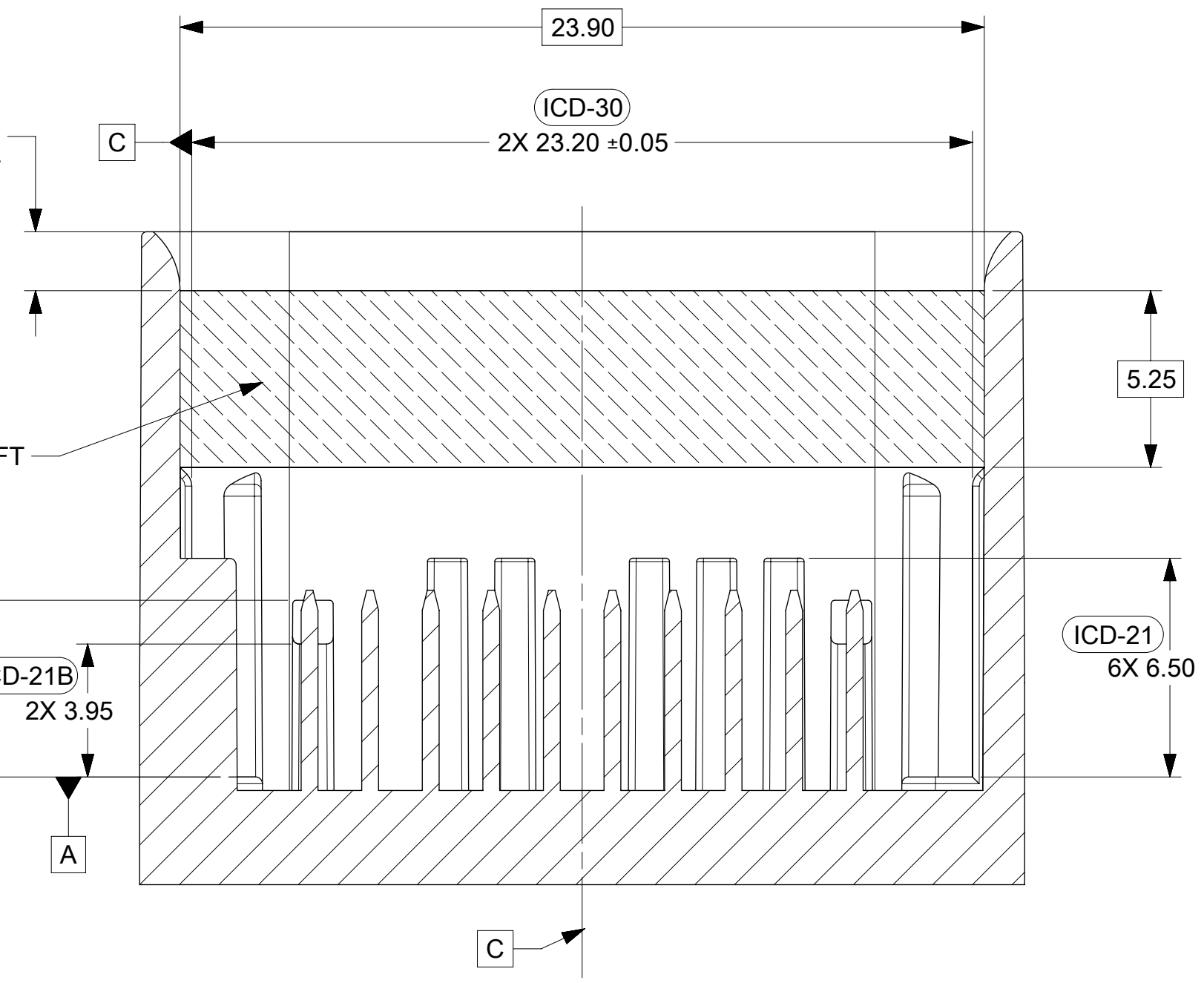
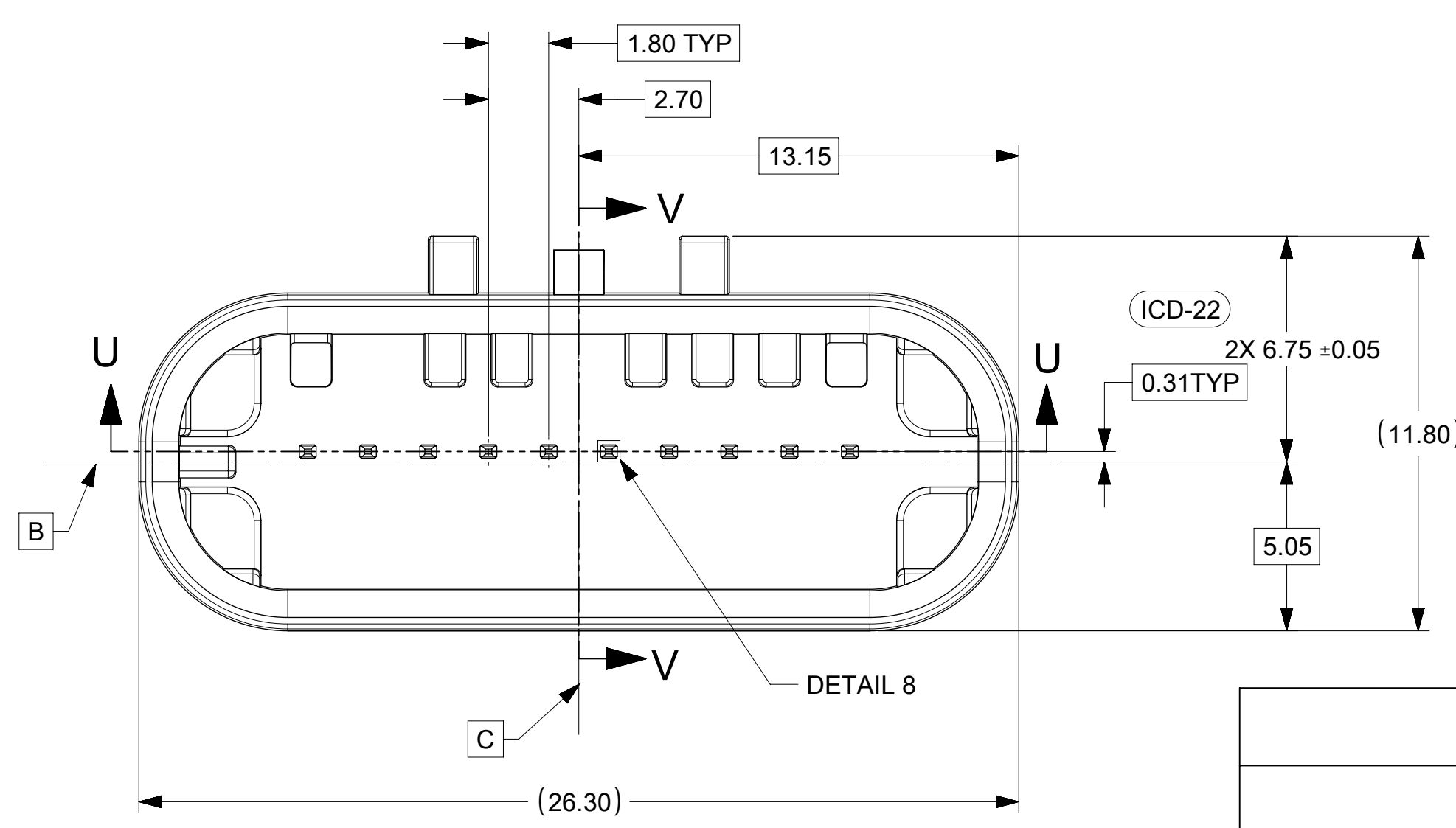
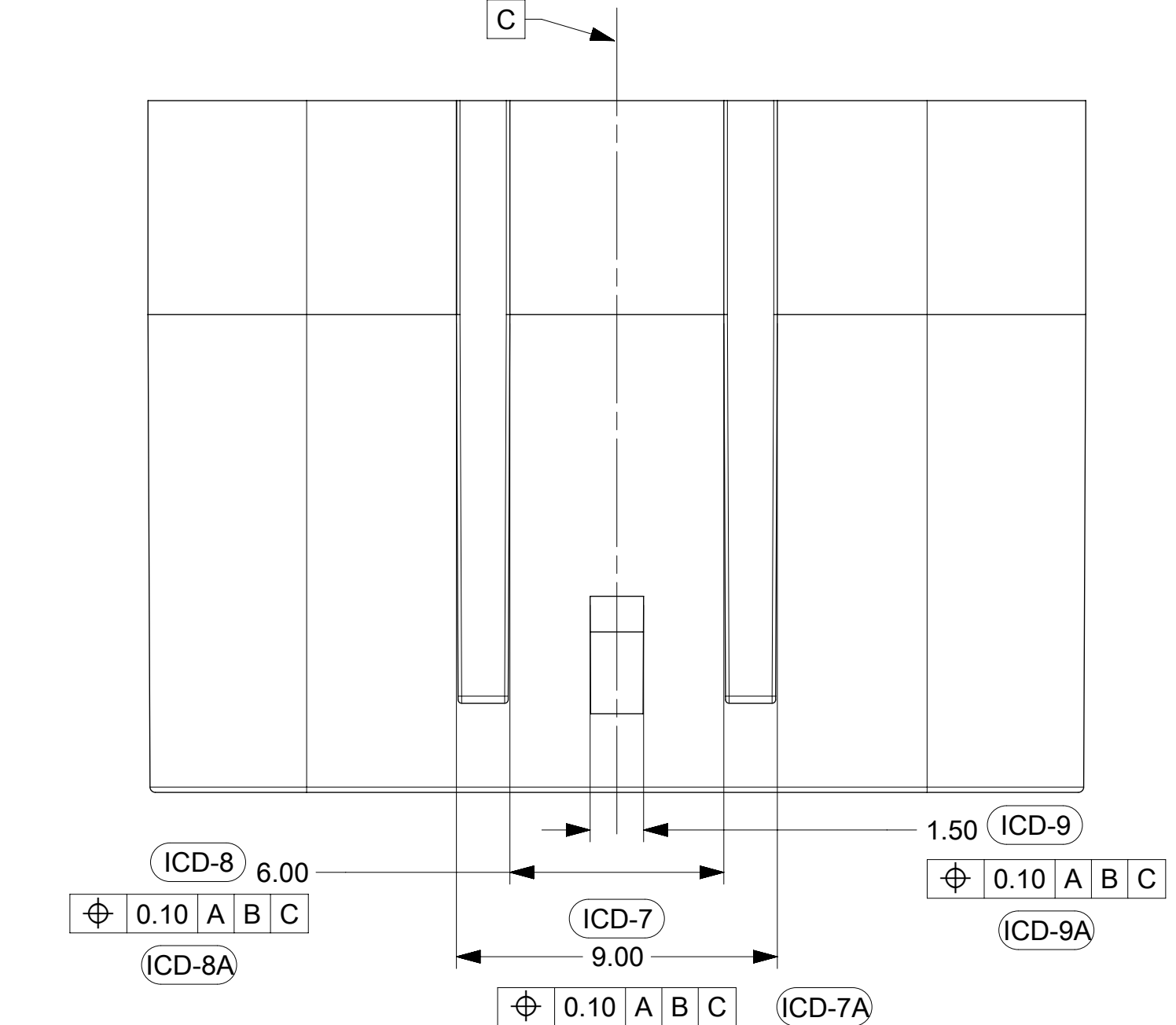
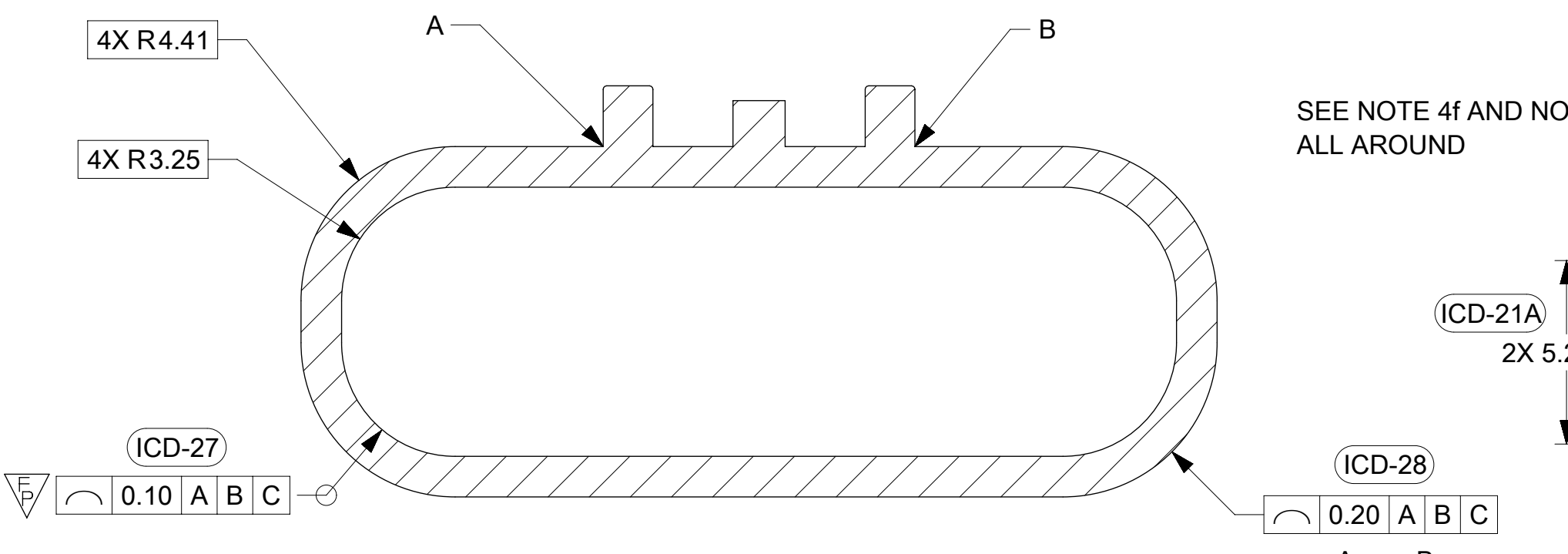
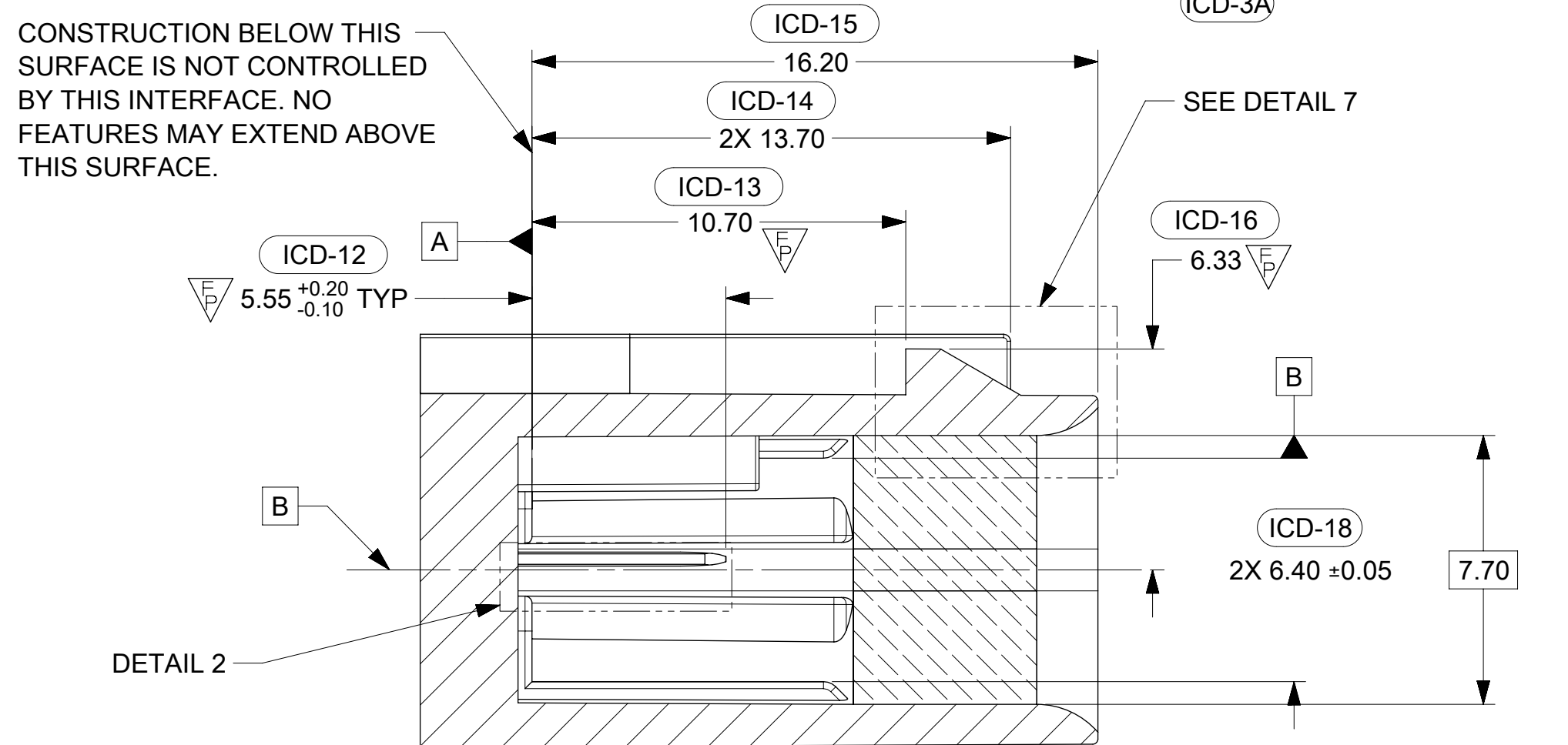
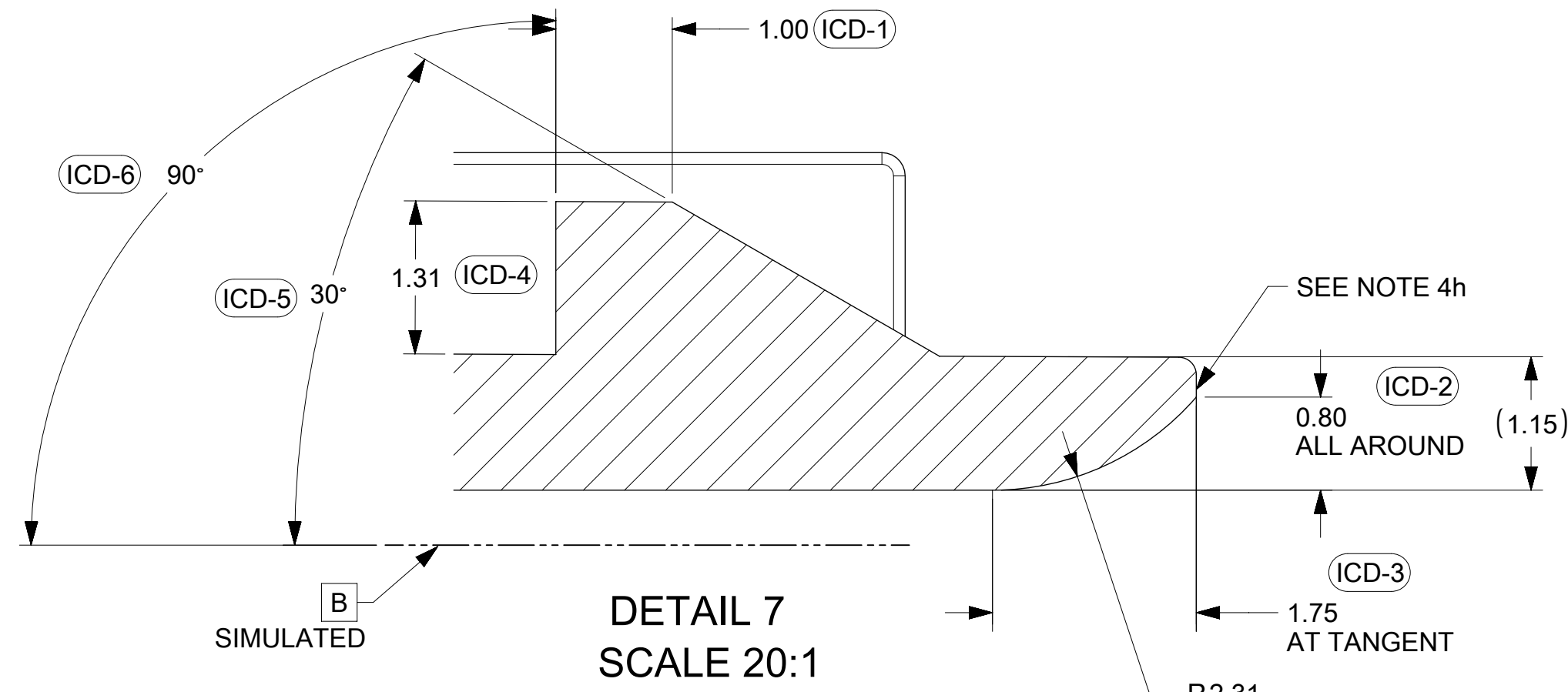
KEY OPTION C



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										
▽ ▽ ▽ ▽ ▽ ▽ ▽ ▽ ▽ ▽	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	molex® MINI50 SEALED 1X10 INTERFACE PRODUCT CUSTOMER DRAWING SERIES MATERIAL NUMBER CUSTOMER DOCUMENT NUMBER DOC TYPE DOC PART SHEET NUMBER					
			ANGULAR TOL ± 3.0 °		mm	1:1						
			4 PLACES ±		DRWN BY	DATE						
			3 PLACES ±		CHK'D BY	DATE						
			2 PLACES ± 0.1		APPR BY	DATE						
			1 PLACE ± 0.2		KDEKOSKI	2016/05/04						
			0 PLACES ±		DRAWING SIZE	THIRD ANGLE PROJECTION						
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		A1							

SHEET DESCRIPTION
CONNECTOR INTERFACE DEFINITION



THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION																											
QUALITY SYMBOLS	EC NO: 659036 DRWN: ML149 CHKD: JCONDON APPR: JCONDON	2021/02/26 2021/03/24 2021/03/24	GENERAL TOLERANCES (UNLESS SPECIFIED)	DIMENSION UNITS		SCALE		molex® MINI50 SEALED 1X10 INTERFACE PRODUCT CUSTOMER DRAWING <table><tr><td>SERIES</td><td>MATERIAL NUMBER</td><td colspan="2">CUSTOMER</td></tr><tr><td>34968</td><td>SEE CHART</td><td colspan="2"></td></tr><tr><td colspan="2">DOCUMENT NUMBER</td><td>DOC TYPE</td><td>DOC PART</td><td>SHEET NUMBER</td></tr><tr><td colspan="2">349681800</td><td>PSD</td><td>000</td><td>3 OF 4</td></tr></table>		SERIES	MATERIAL NUMBER	CUSTOMER		34968	SEE CHART			DOCUMENT NUMBER		DOC TYPE	DOC PART	SHEET NUMBER	349681800		PSD	000	3 OF 4
				SERIES	MATERIAL NUMBER	CUSTOMER																					
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				349681800		PSD	000			3 OF 4																	
				mm		1:1																					
				DRWN BY		DATE																					
				MNS02		2016/04/21																					
				ANGULAR TOL ± 3.0 °																							
				4 PLACES ±		CHK'D BY				DATE																	
3 PLACES ±																											
2 PLACES ± 0.1		APPR BY		DATE																							
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