

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:

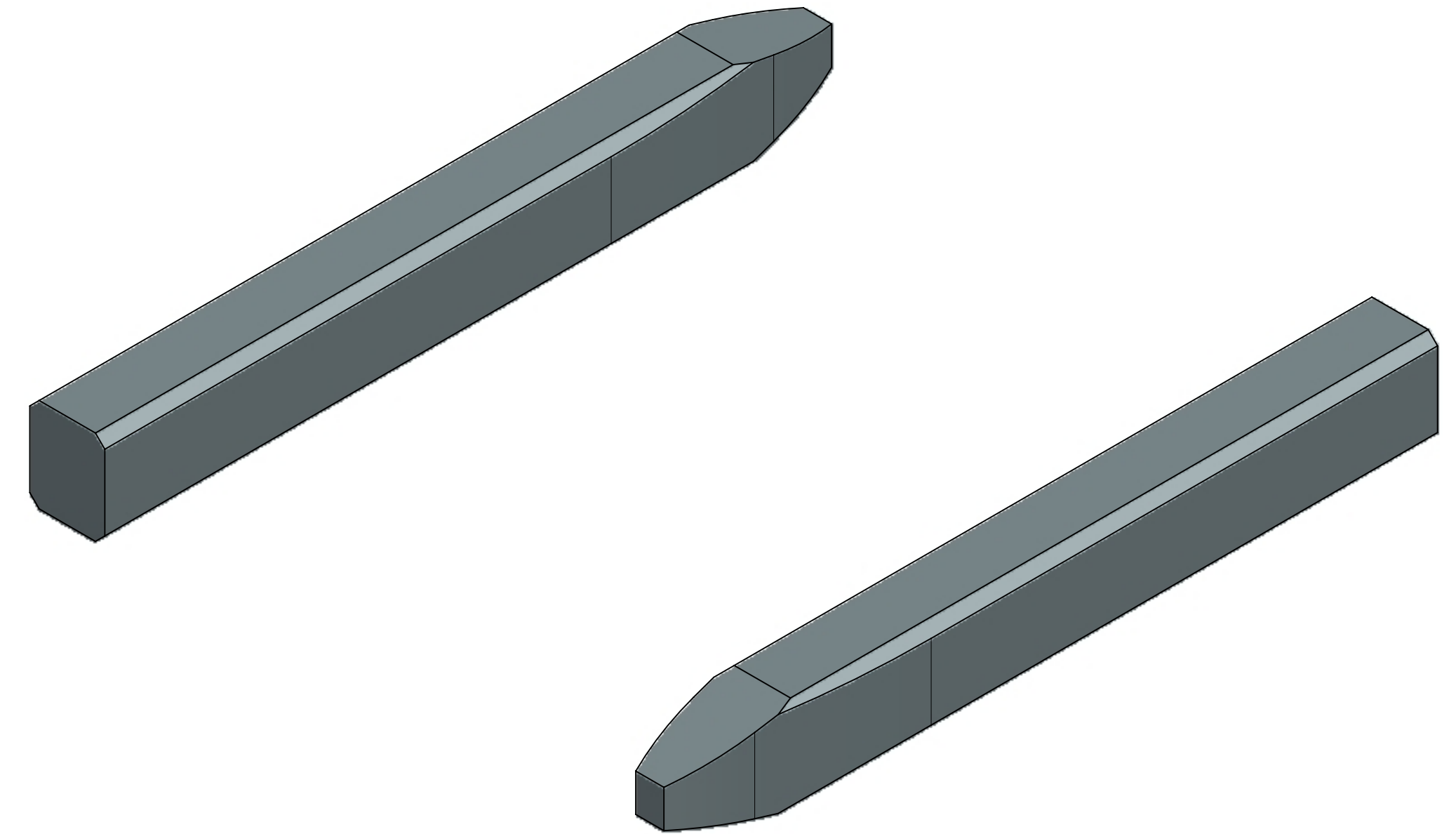
- ## 2.1. BASE MATERIAL TYPE : COPPER ALLOY

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.

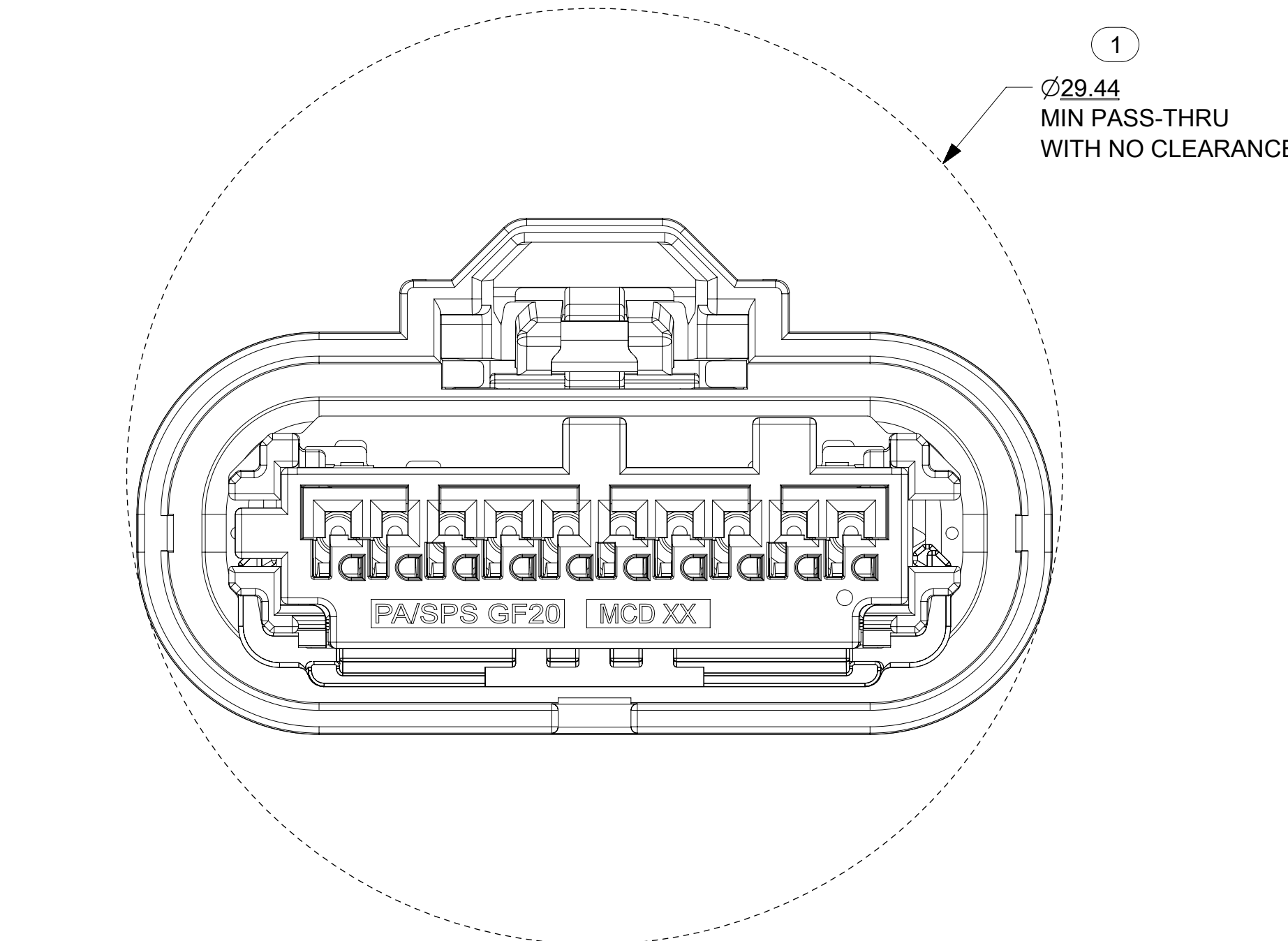


SCALE 50:1

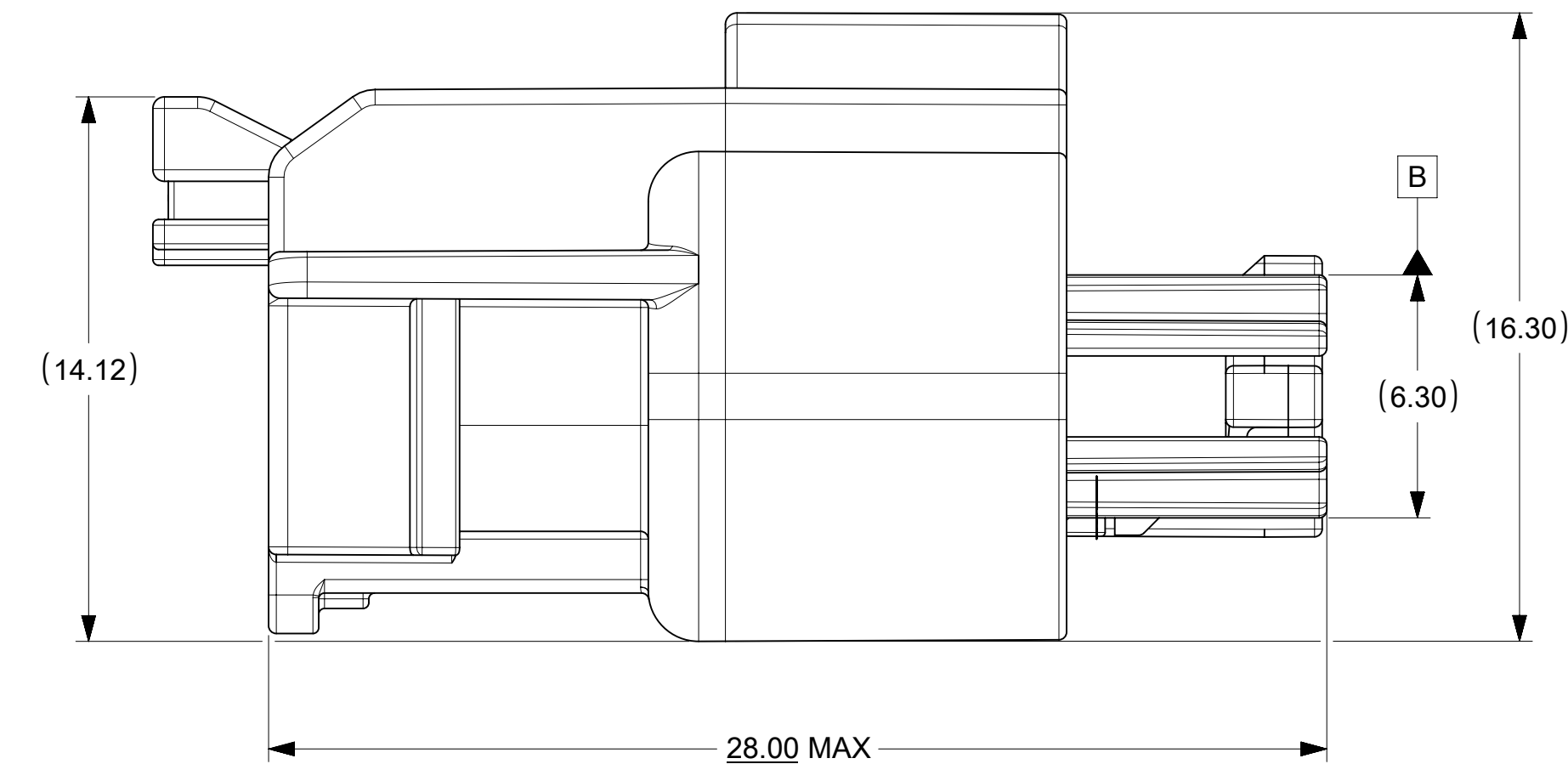
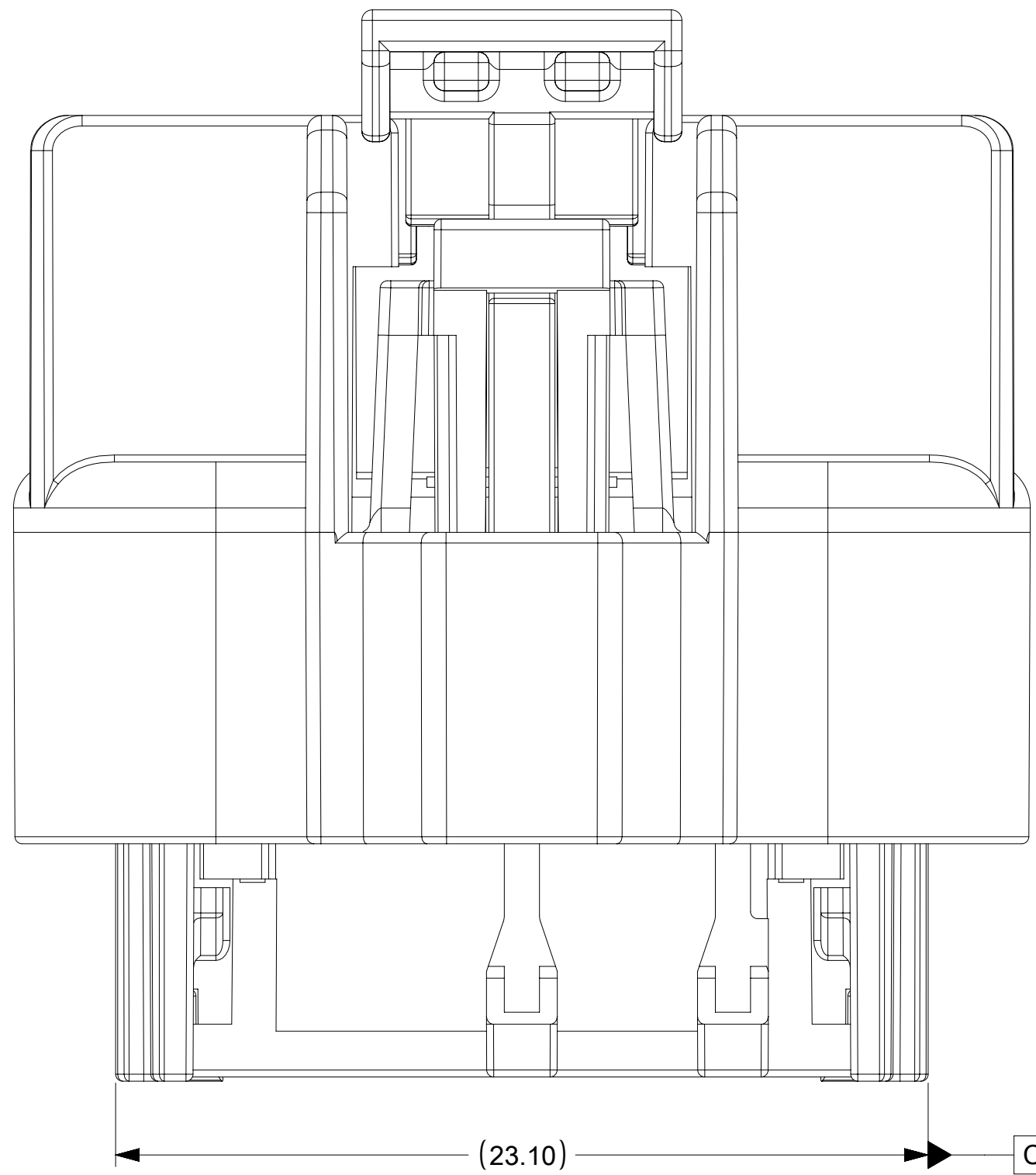
0.5 MM PIN VIEW SHOWN FOR REPRESENTATION PURPOSES ONLY

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										PRODUCT SALES DRAWING		
	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					

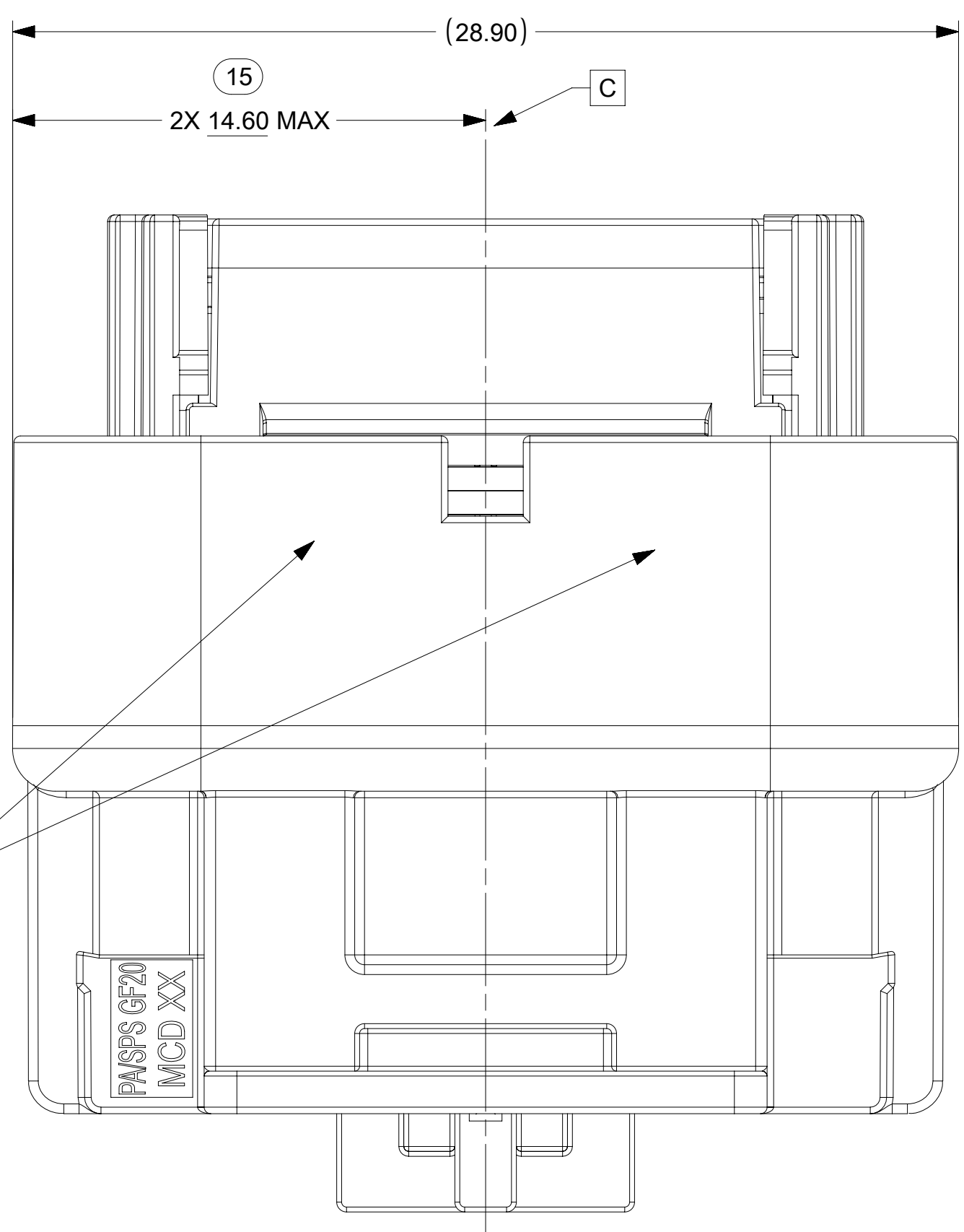
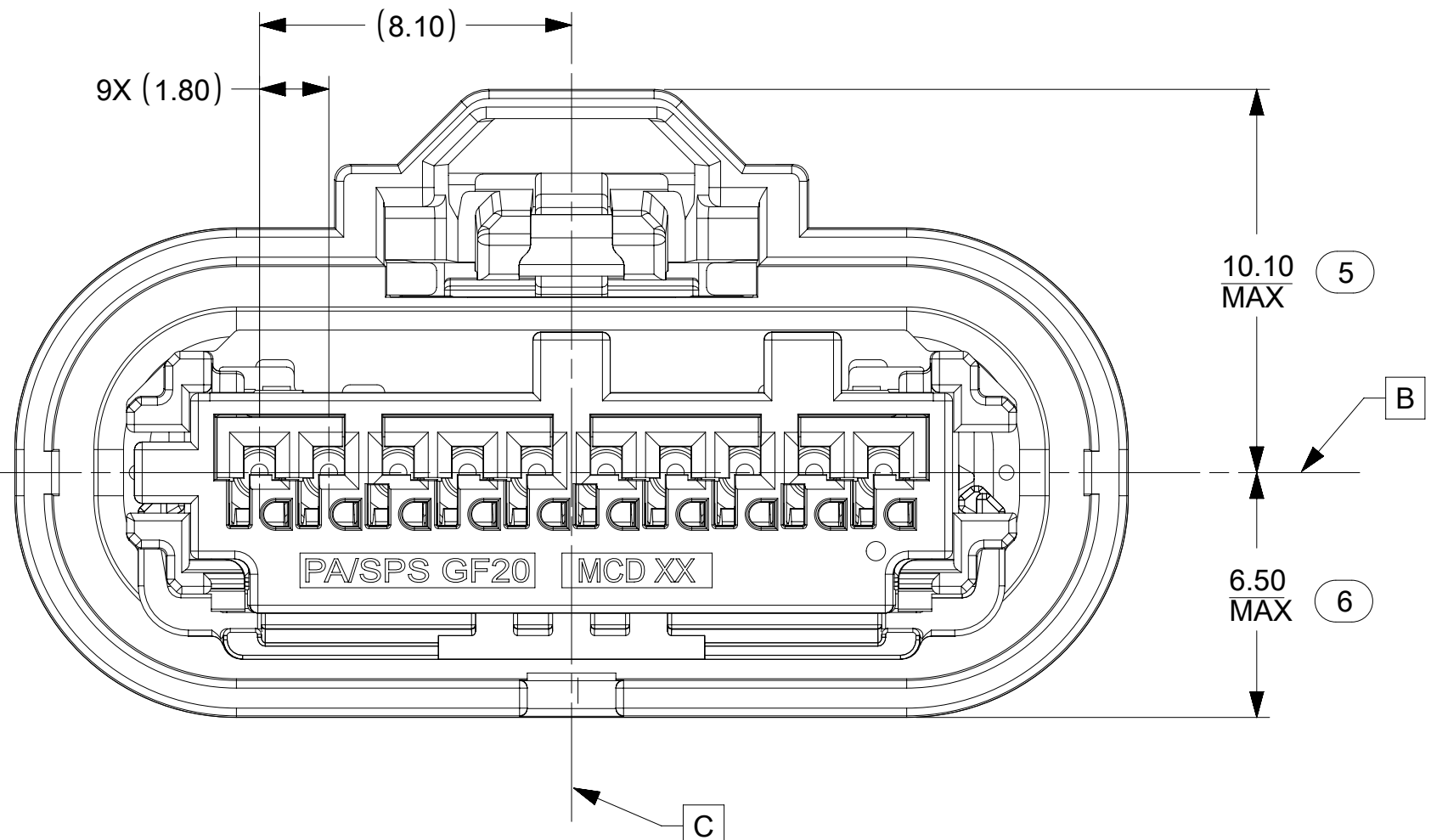
SHEET DESCRIPTION
RECEPTACLE CONNECTOR ASSEMBLY



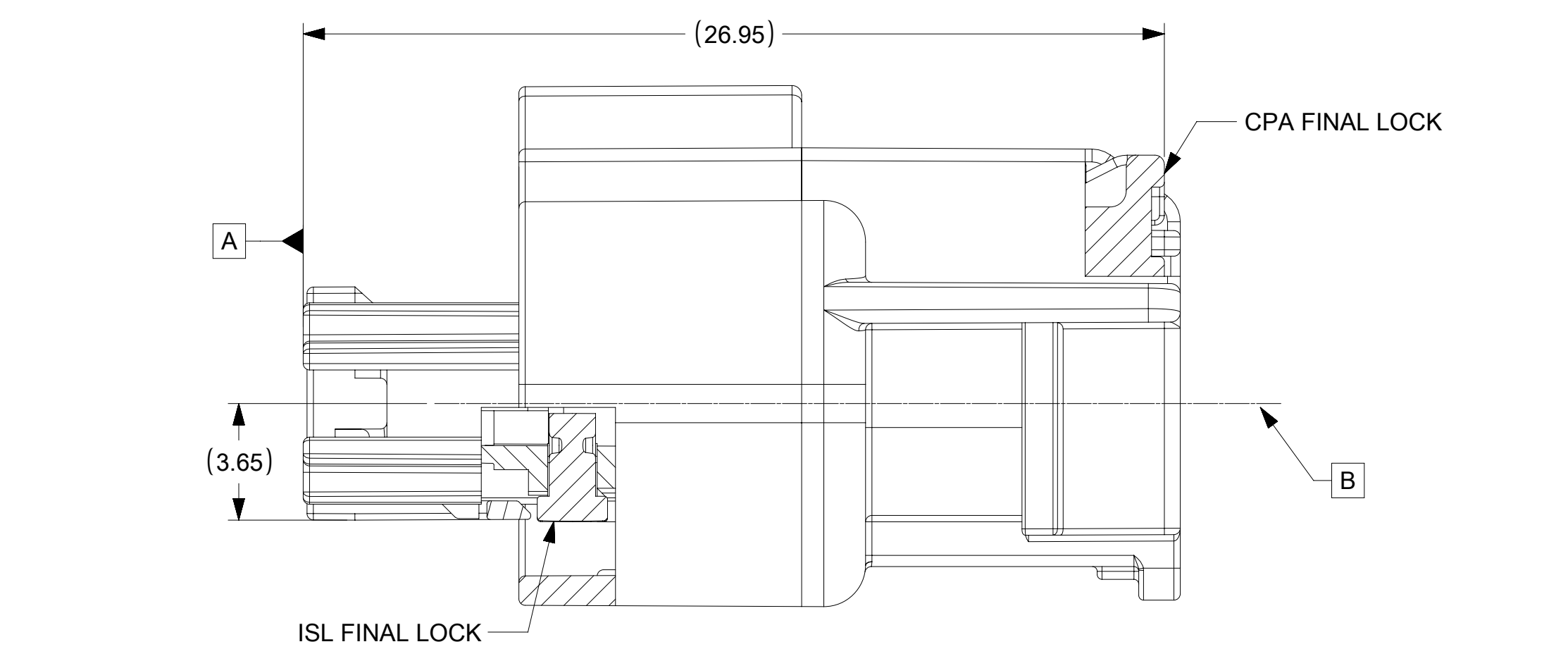
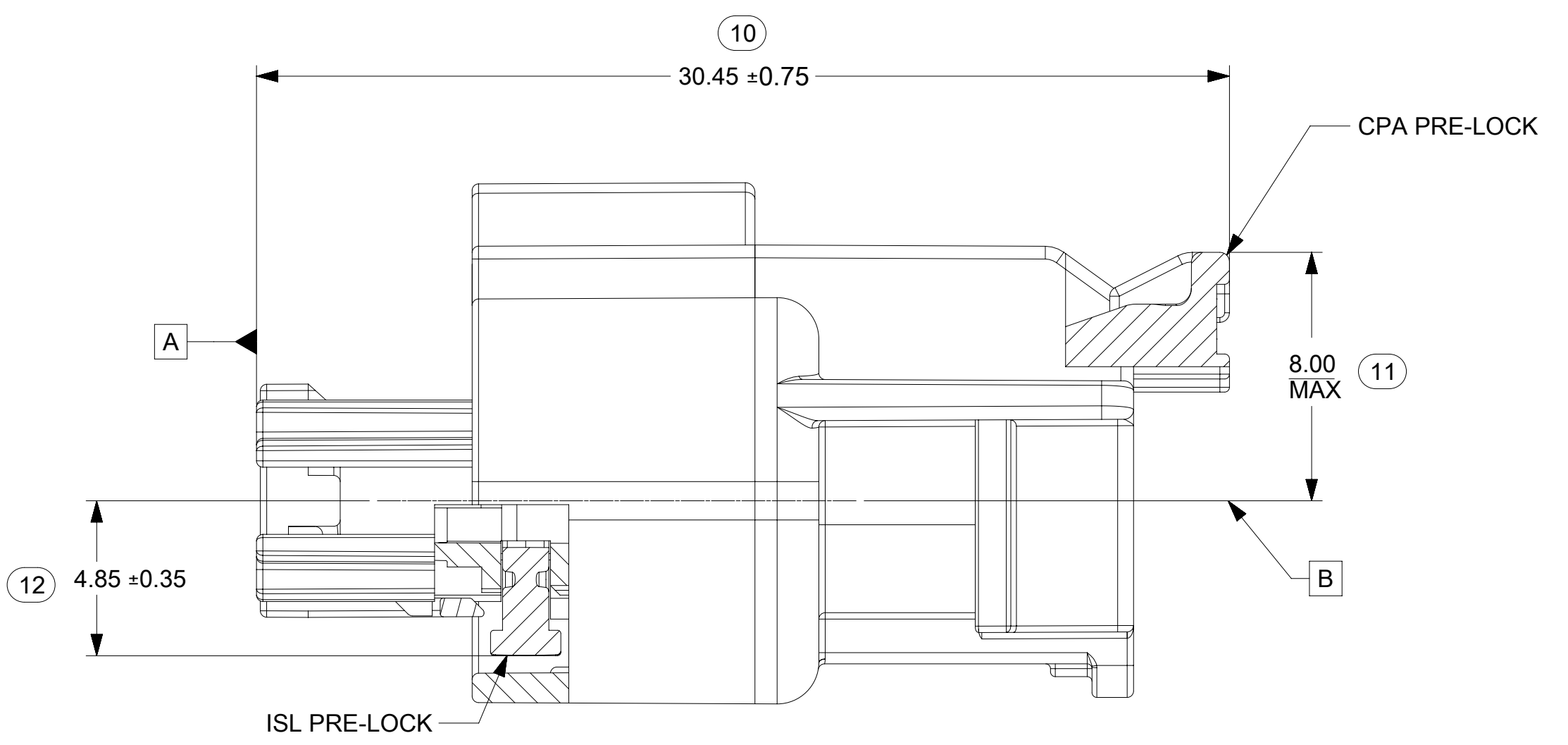
1
Ø29.44
MIN PASS-THRU
WITH NO CLEARANCE



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	
	GENERAL TOLERANCES (UNLESS SPECIFIED)		2021/03/09	
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	

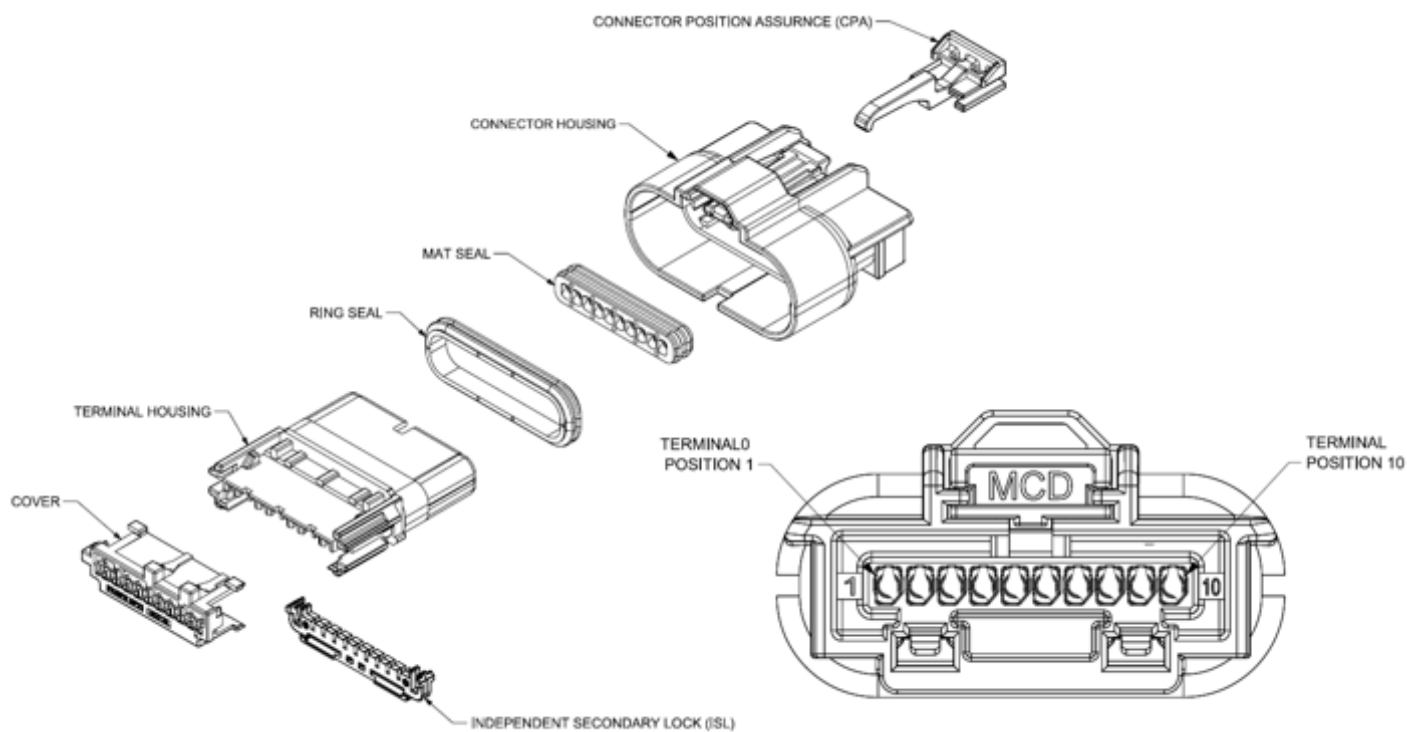
molex

MINI50 SEALED 1X10 RCPT ASSY

PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER
349671000
DOC TYPE
PSD
DOC PART
000
REVISION
G1

BOM AND PIN OUT SHEET



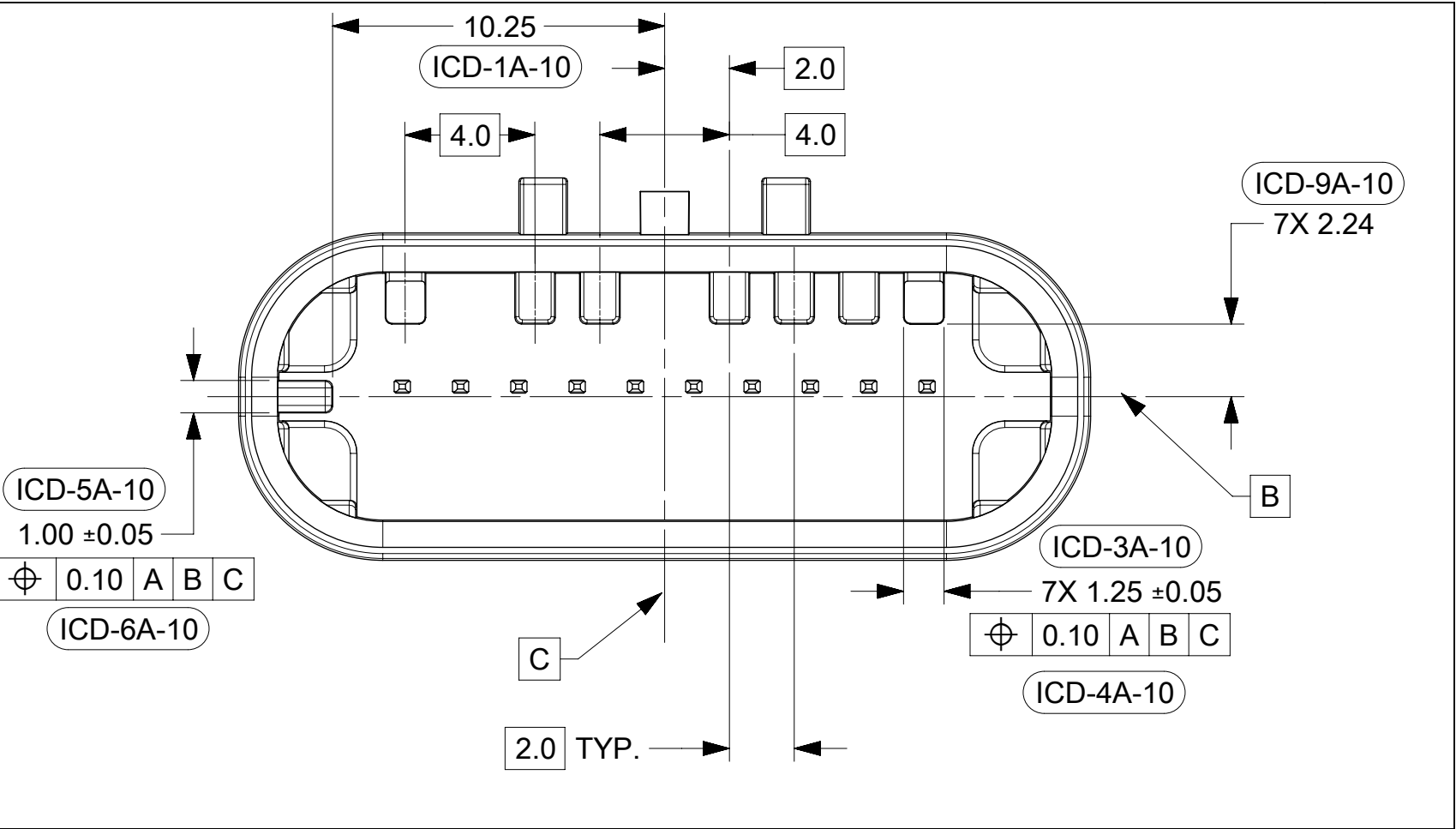
ABBREVIATION	DESCRIPTION	COLOR	MATERIAL
A-BLACK	COVER KEYING OPTION A	BLACK	SPS/NYLON GF20, 25% MAX REGRIND
B-LIGHT GRAY	COVER KEYING OPTION B	LIGHT GRAY	SPS/NYLON GF20, 25% MAX REGRIND
C-DARK GRAY	COVER KEYING OPTION C	DARK GRAY	SPS/NYLON GF20, 25% MAX REGRIND
D-STONE GRAY	COVER KEYING OPTION D	STONE 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

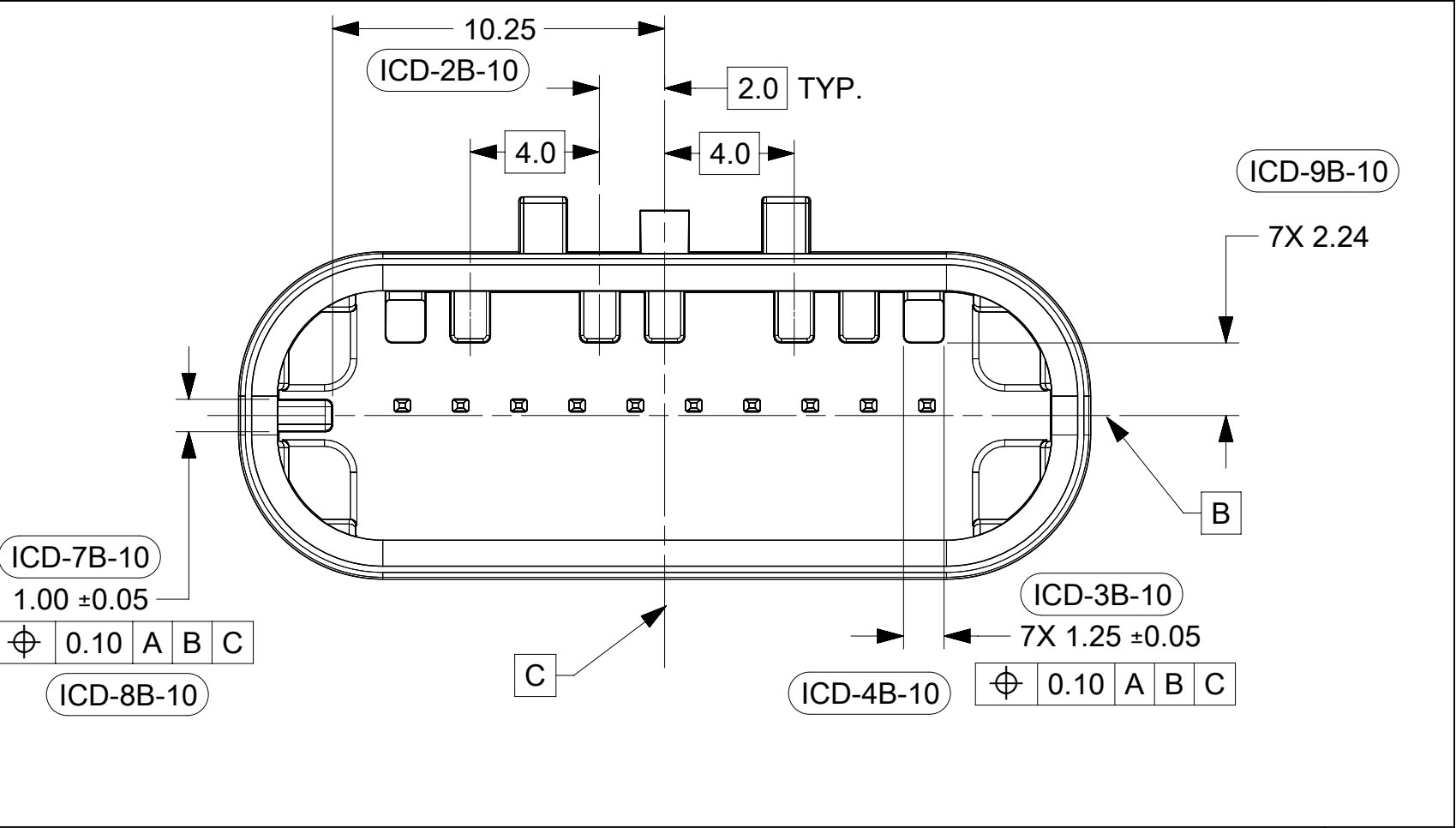
ASSEMBLY DESCRIPTION	ASSEMBLY PART NUMBER	COMPONENT							BLOCKED TERMINALS										STATUS	COMMENTS	OPTIONAL ATTATCHMENTS SOLD SEPERATELY
		THE PRESENCE OF AN ABBREVIATION INDICATES THE PRESENCE OF THAT COMPONENT							CAVITY WITH A NUMBER INDICATES BLOCKED TERMINAL POSITION CAVITY WITHOUT A NUMBER 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

SHEET DESCRIPTION

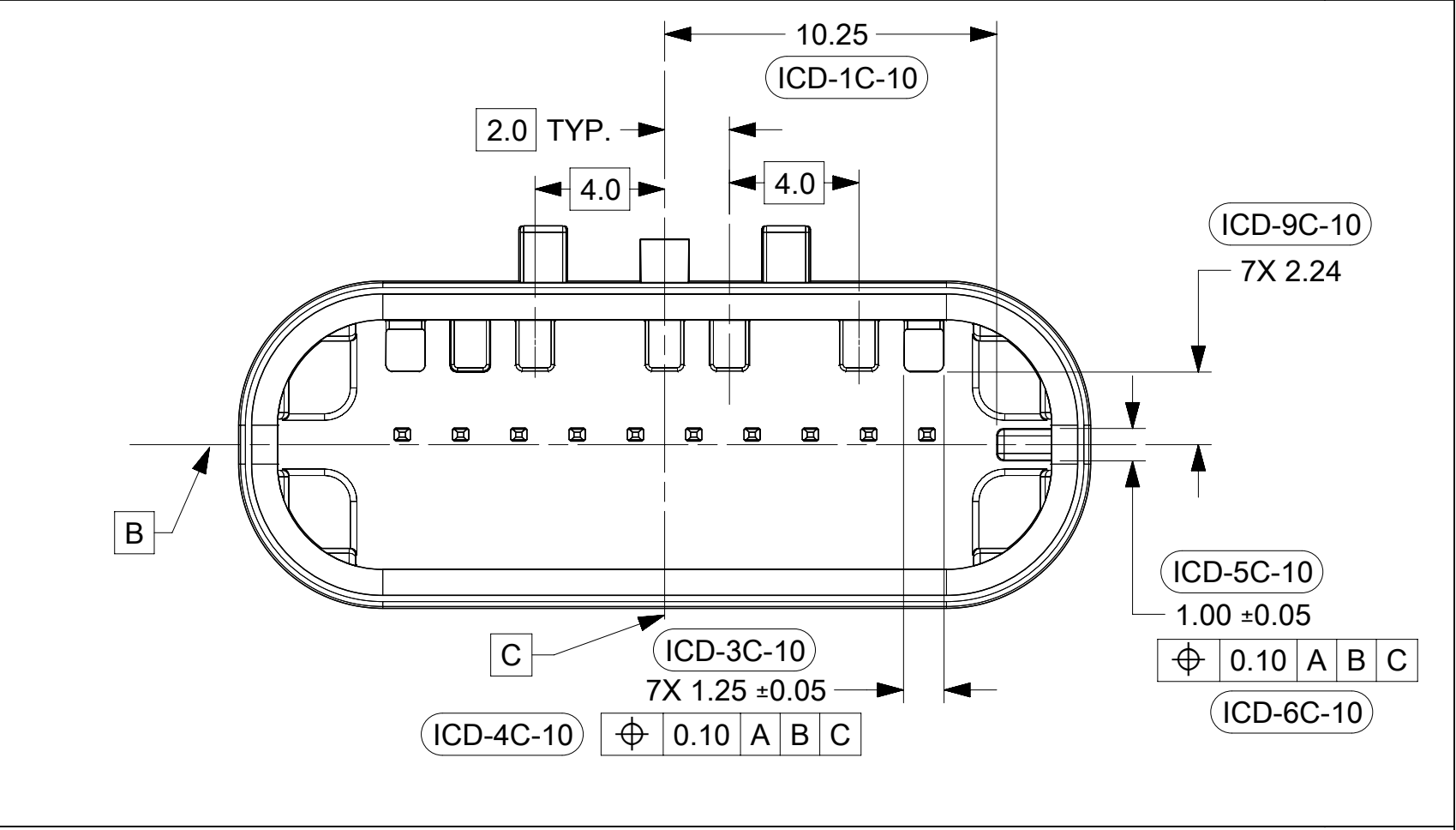
KEY CONFIGURATIONS



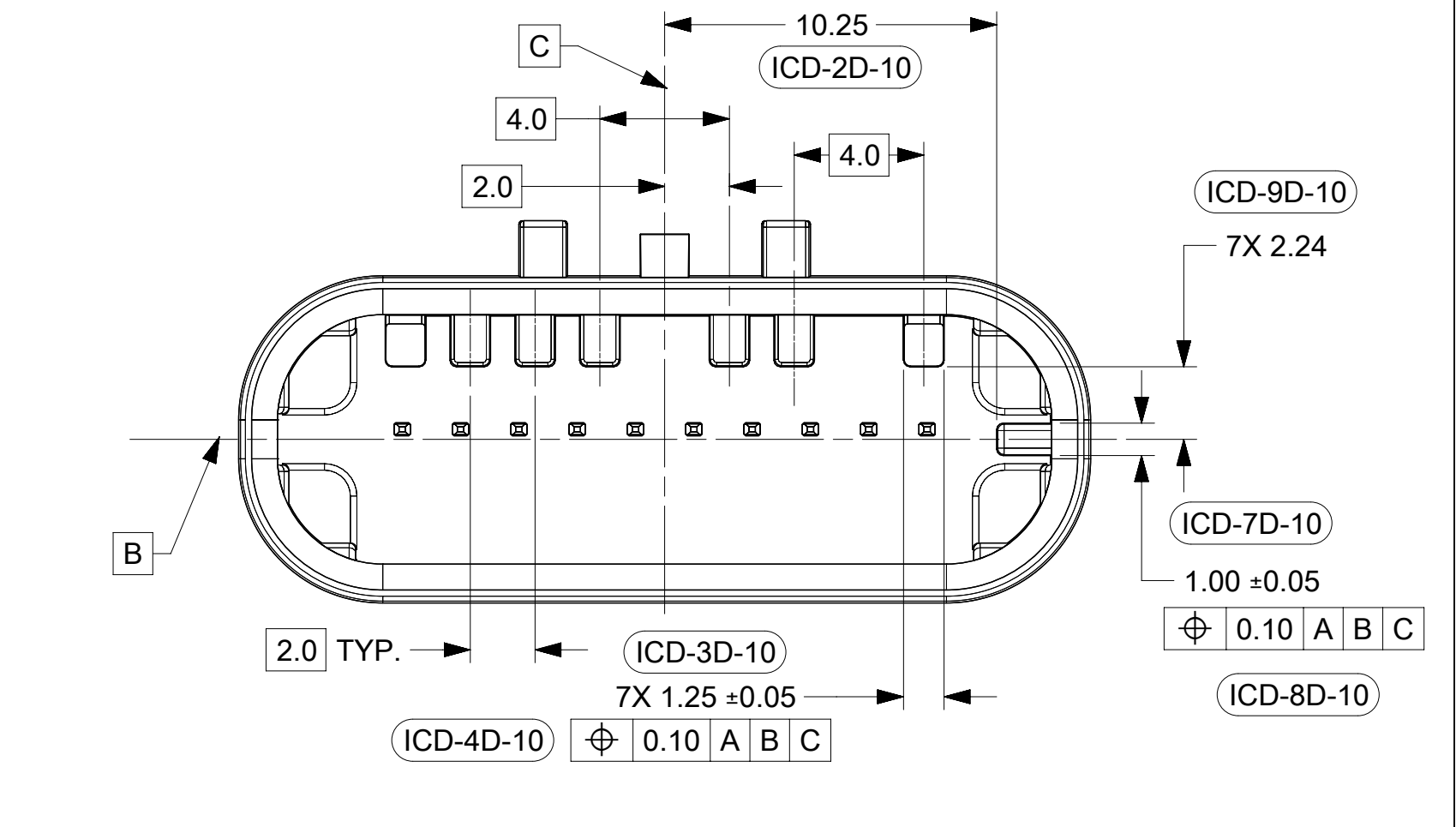
KEY OPTION A



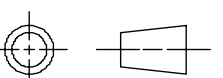
KEY OPTION B



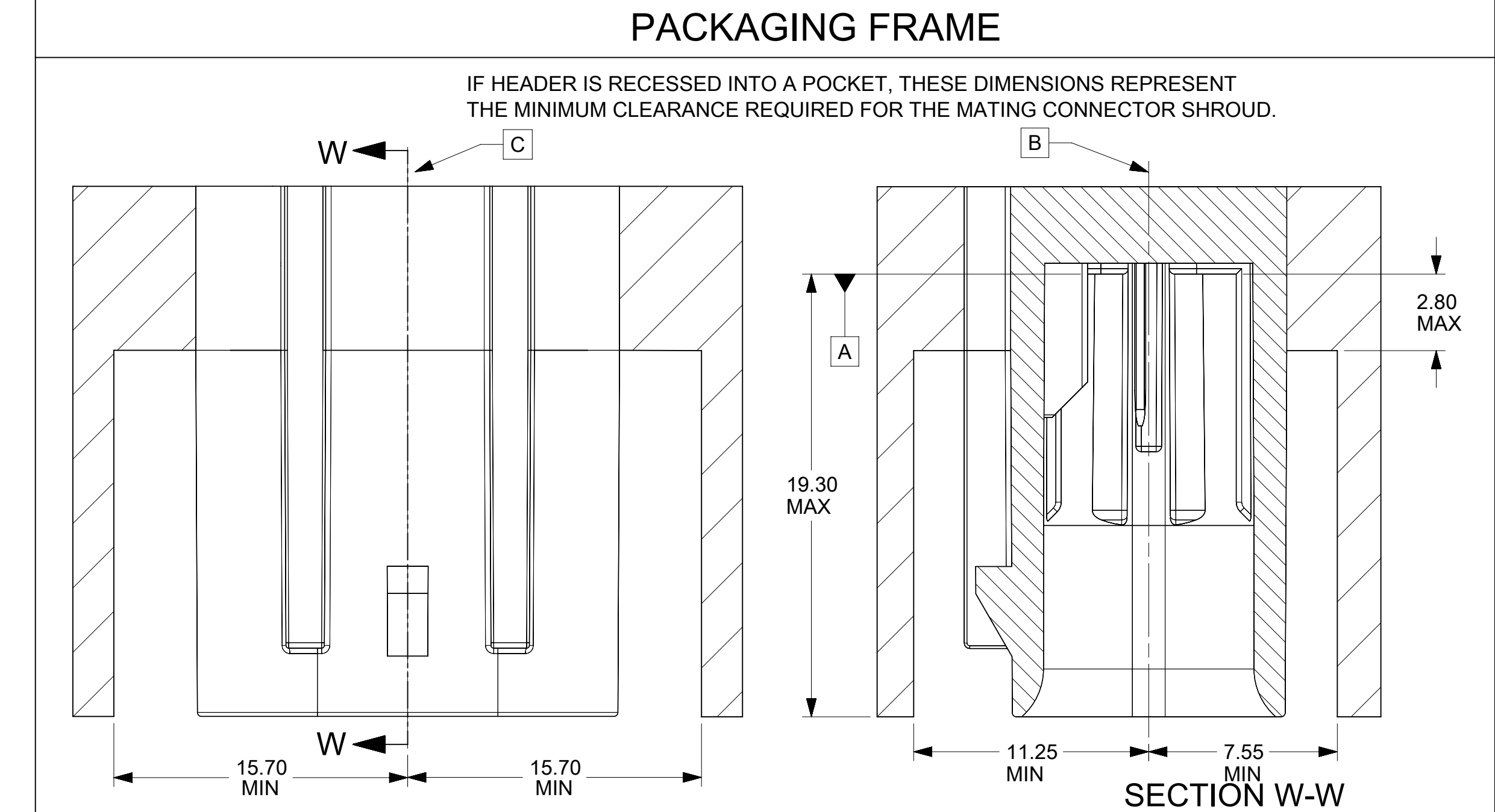
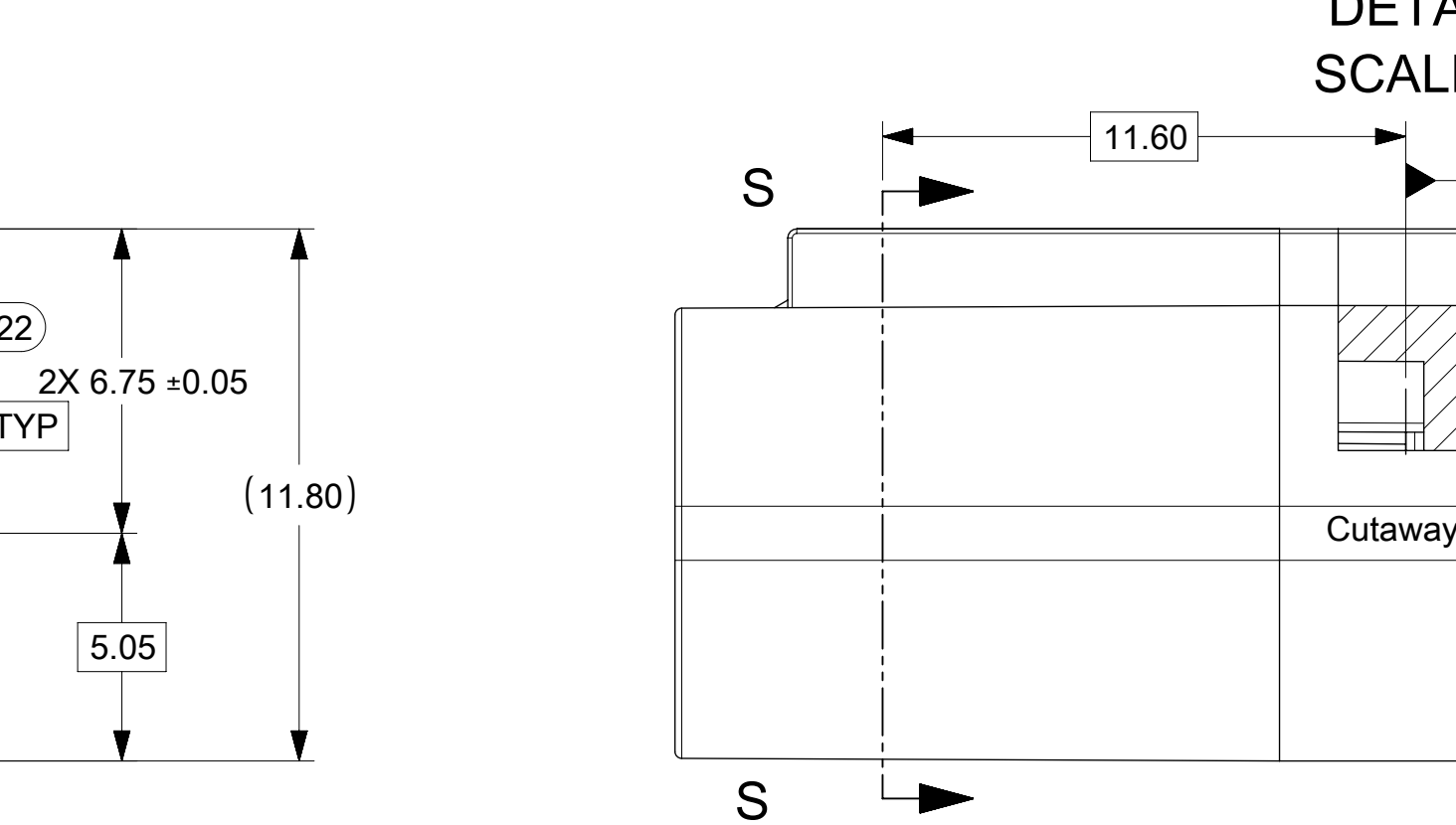
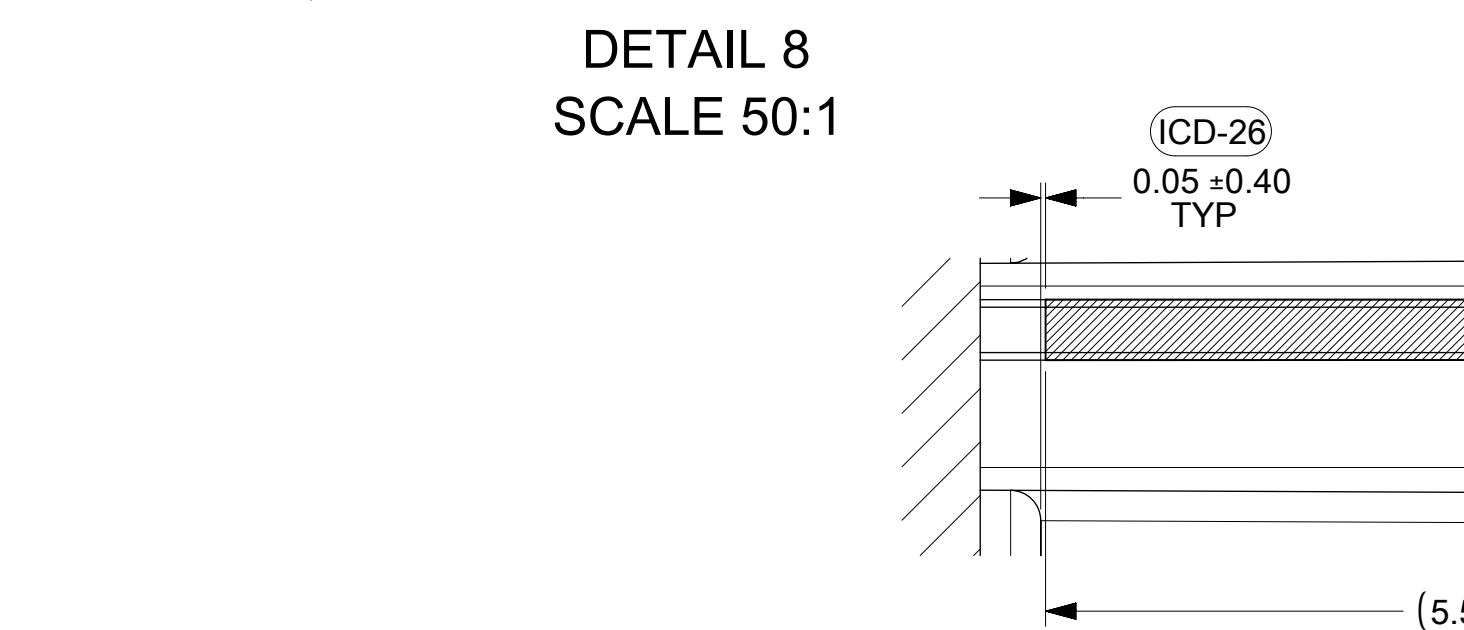
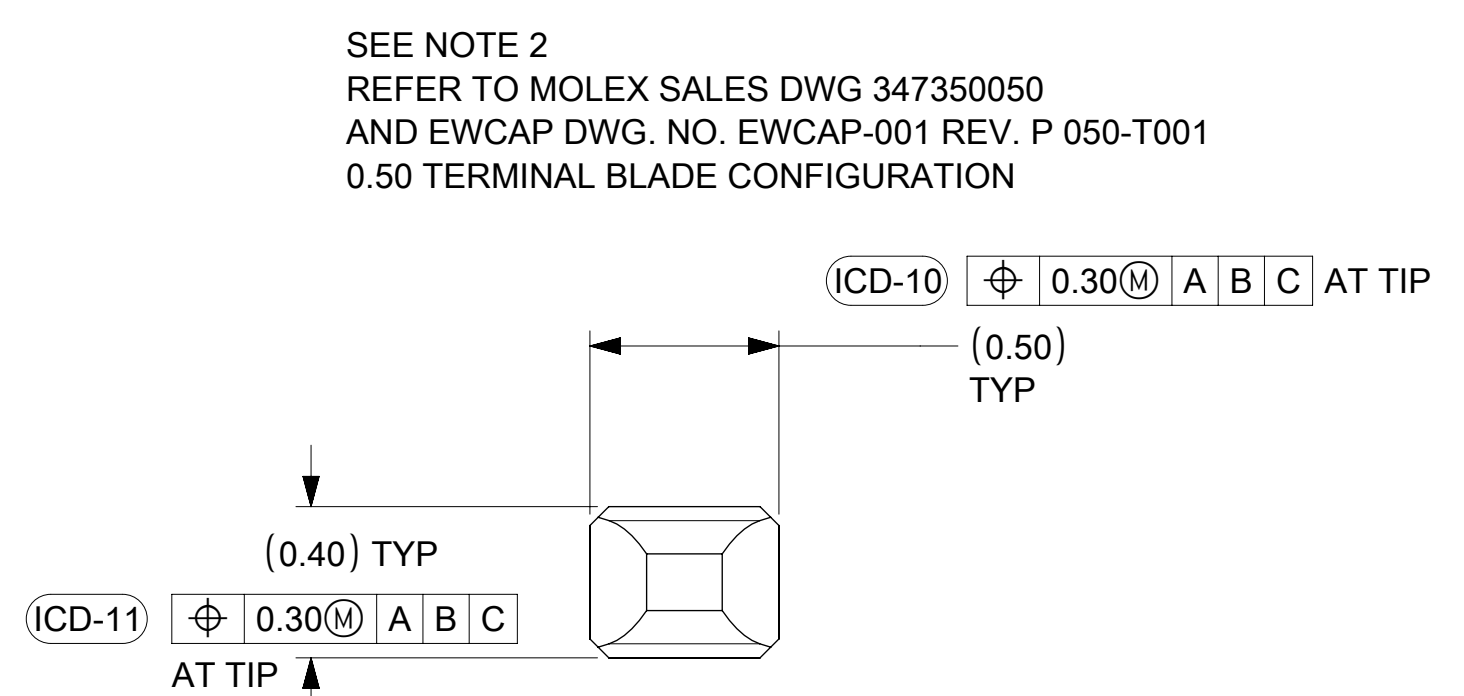
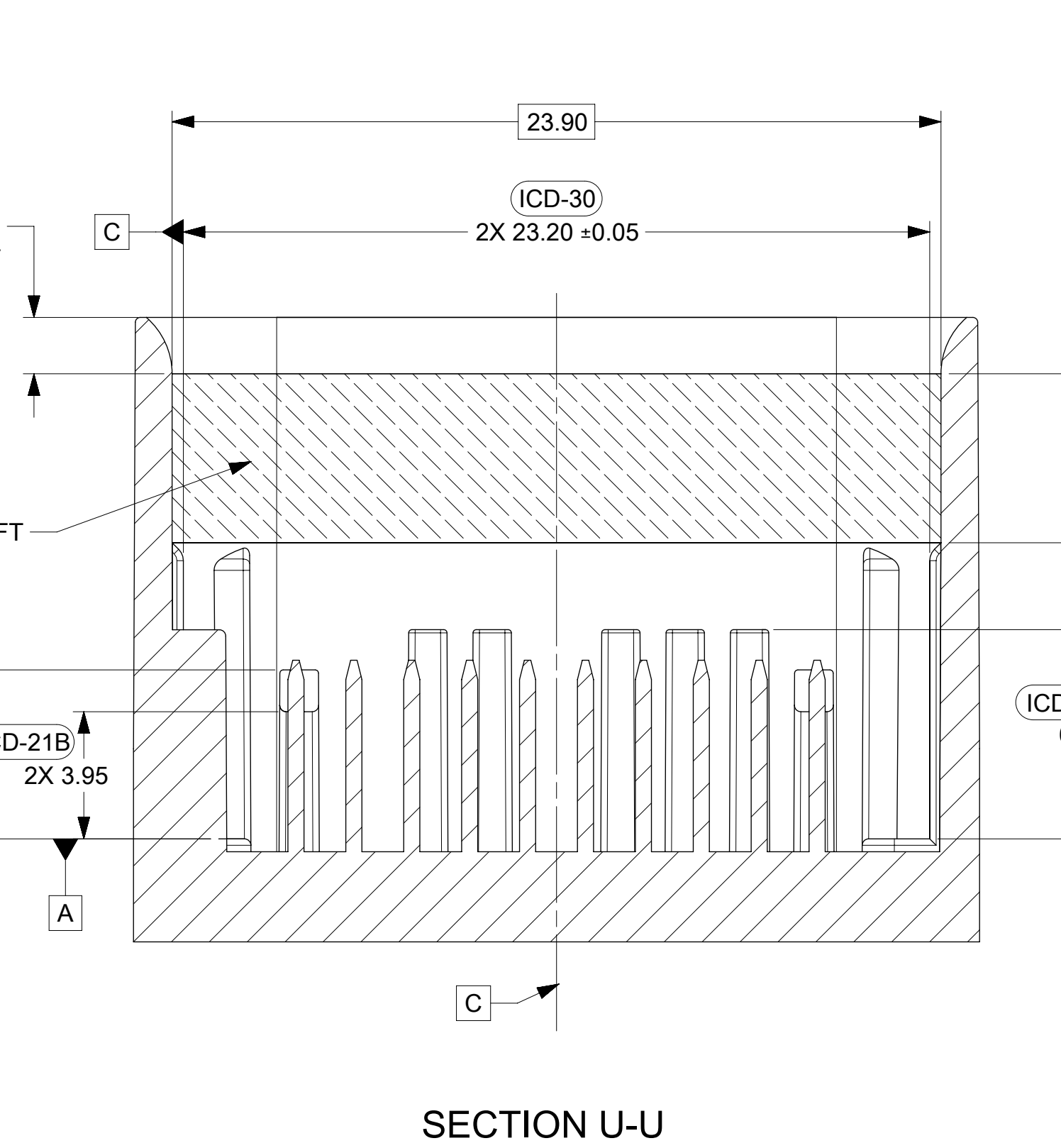
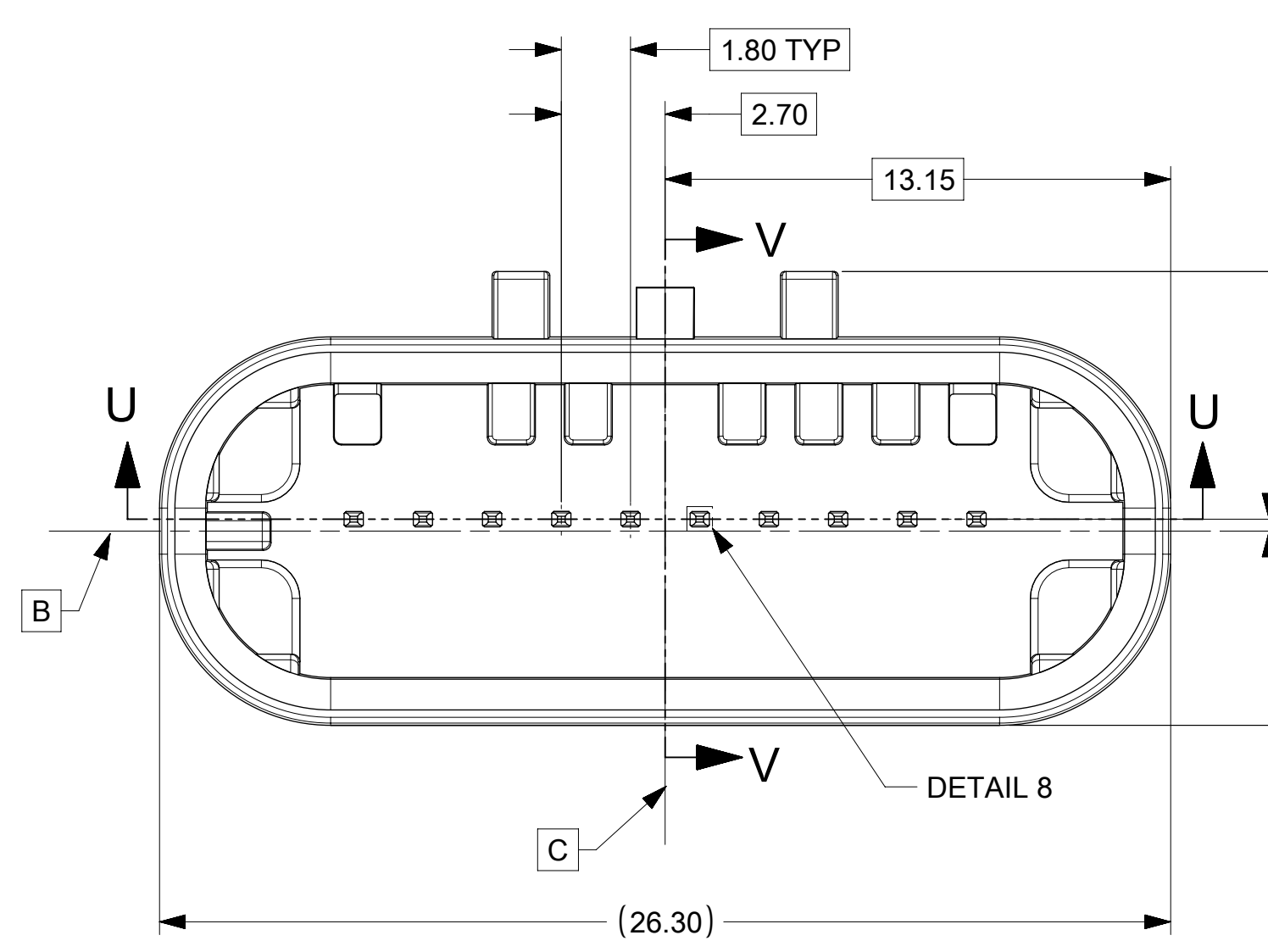
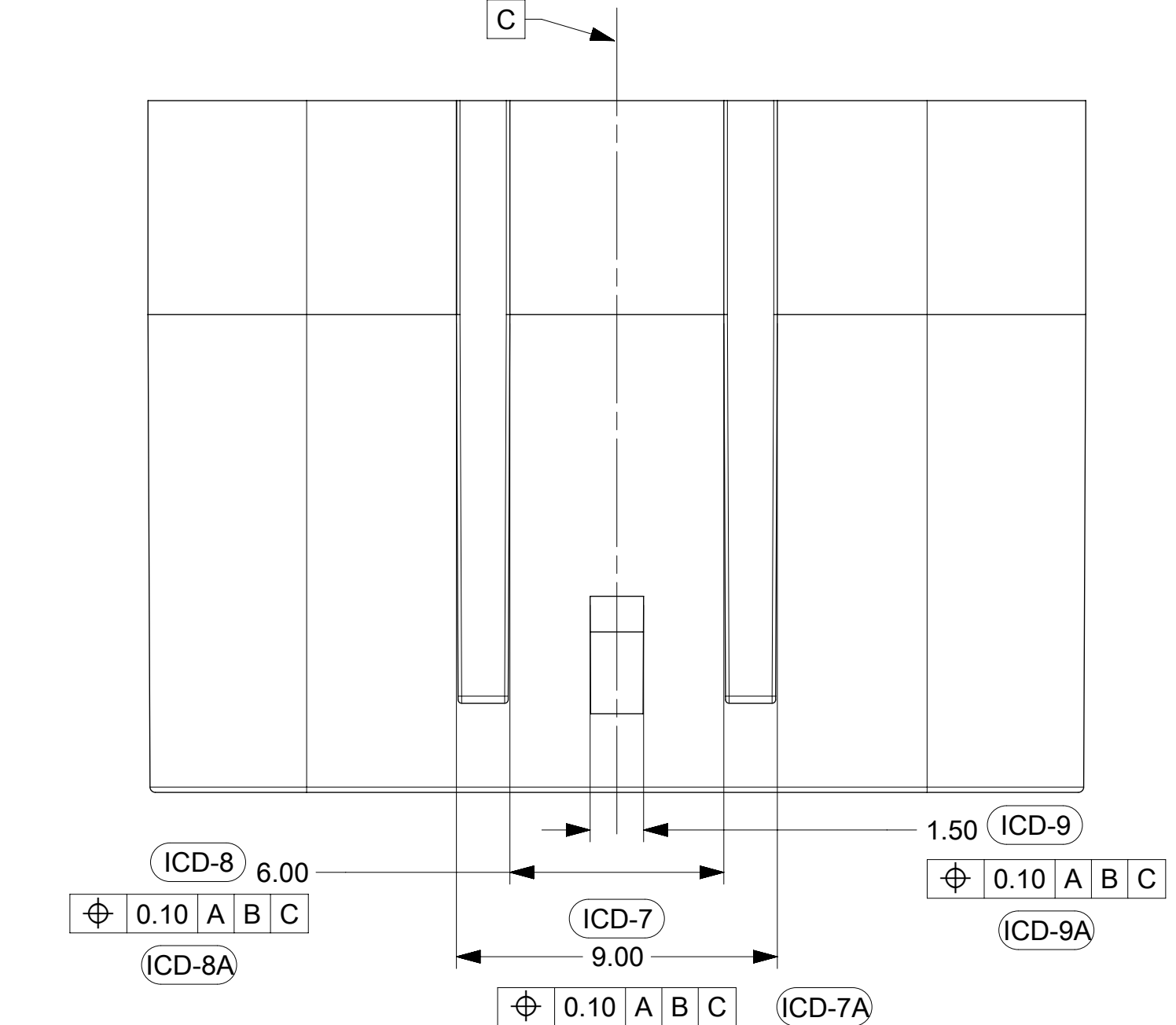
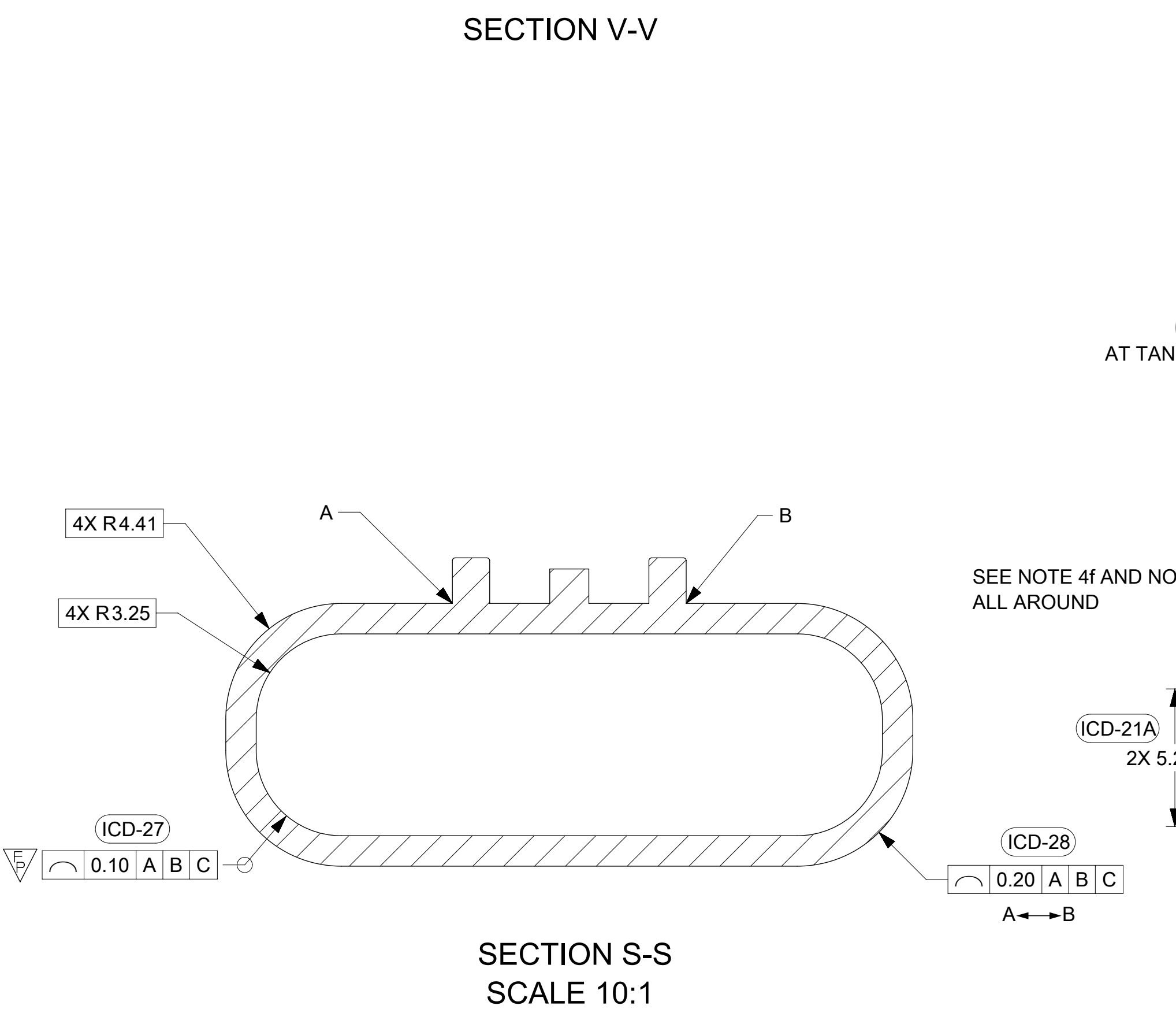
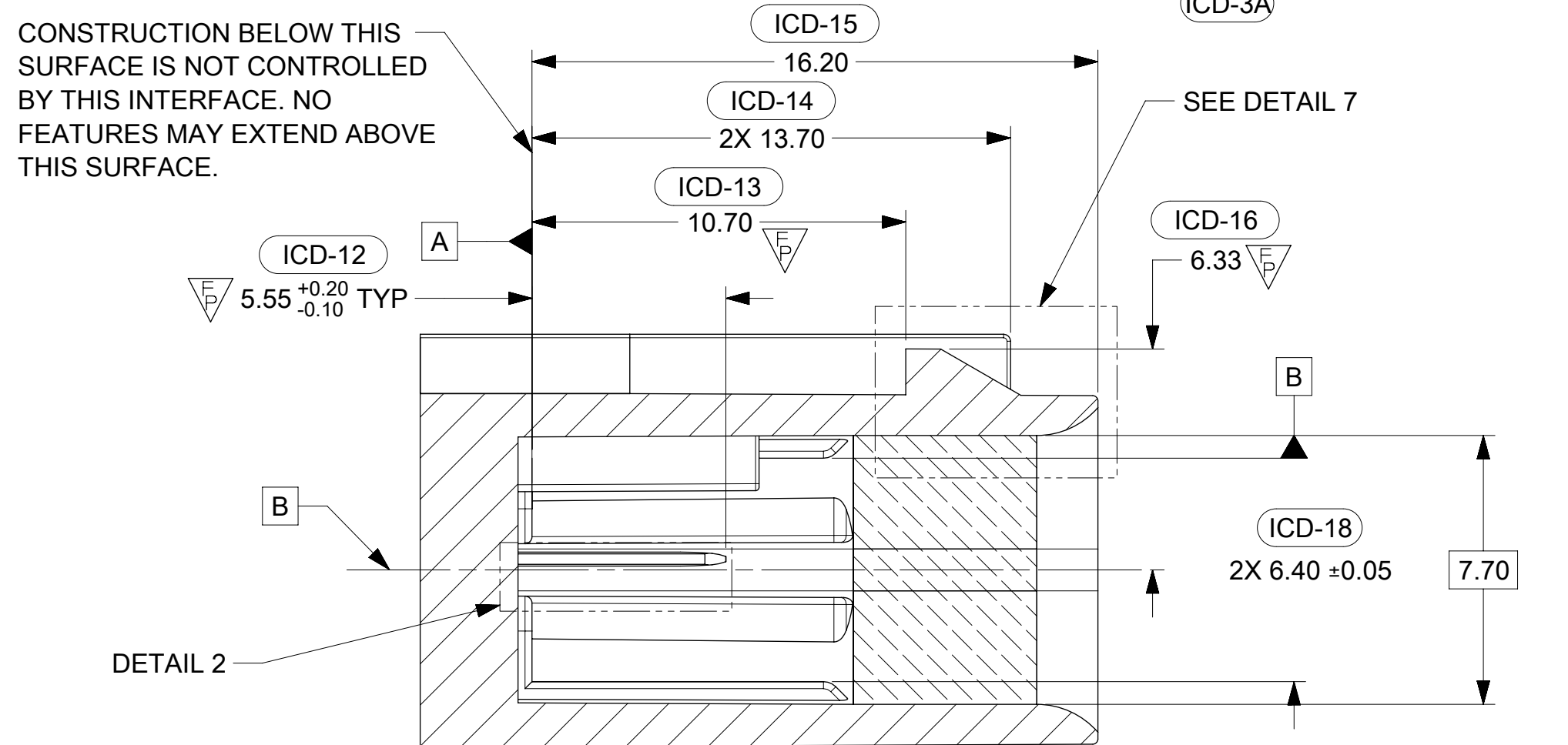
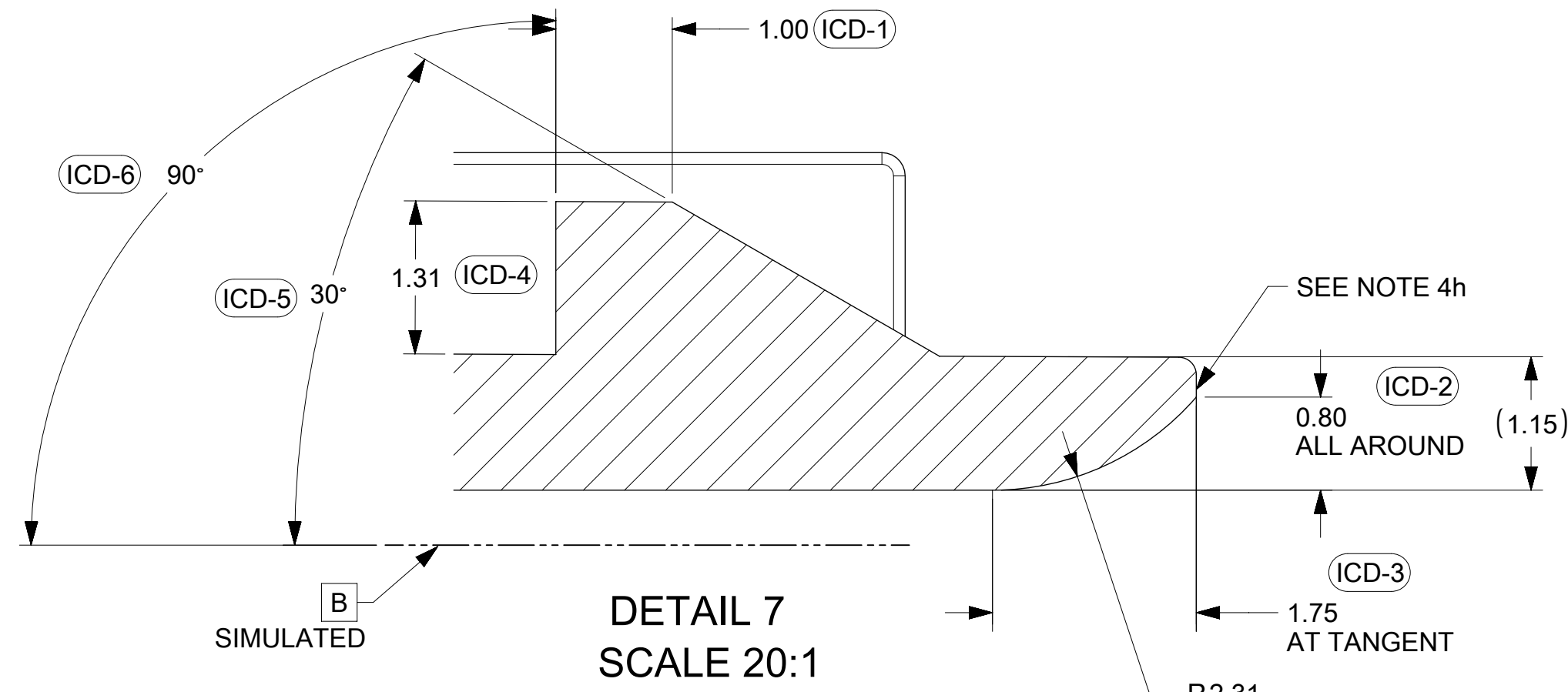
KEY OPTION C



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

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

