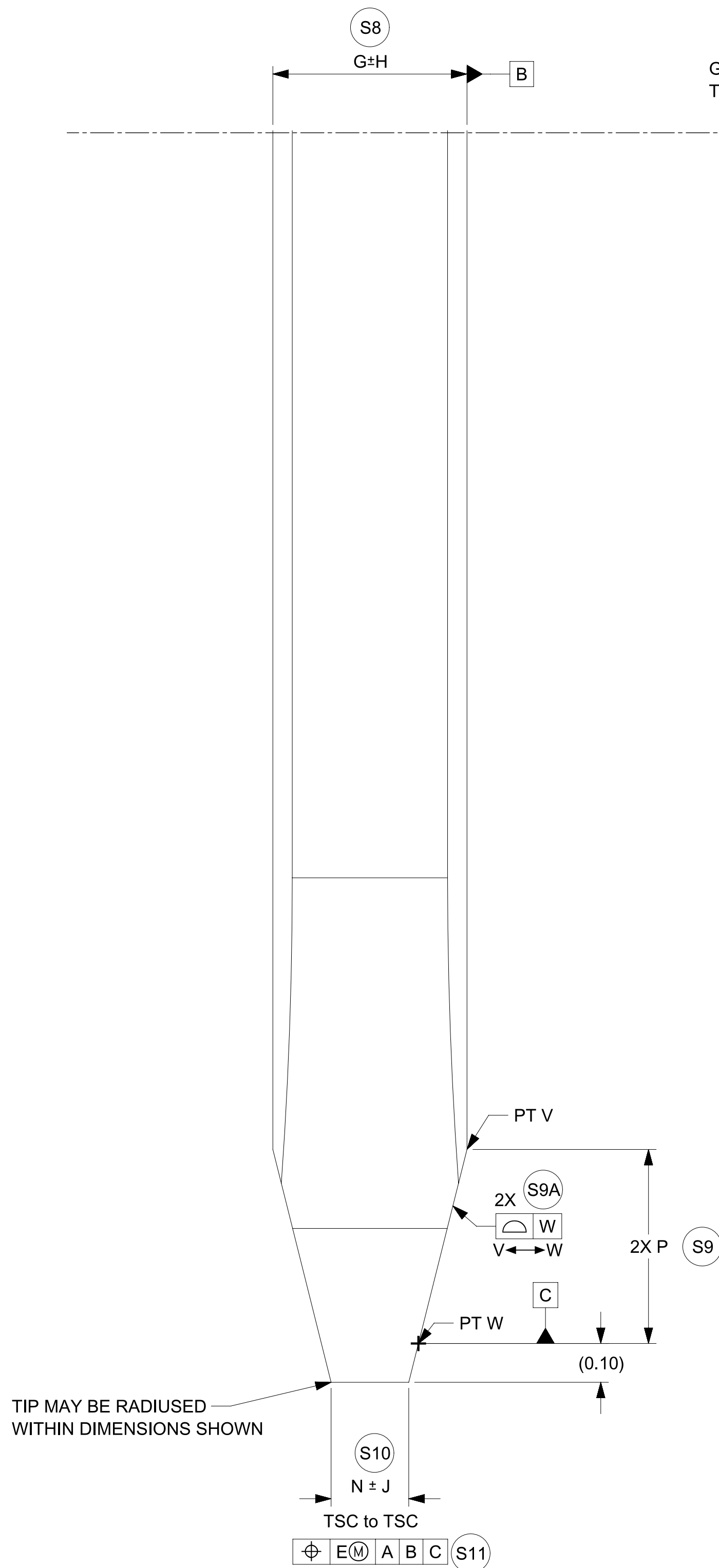




GEOMETRY & PLATING ABOVE
THE LINE IS NOT CONTROLLED
BY THIS DOCUMENT

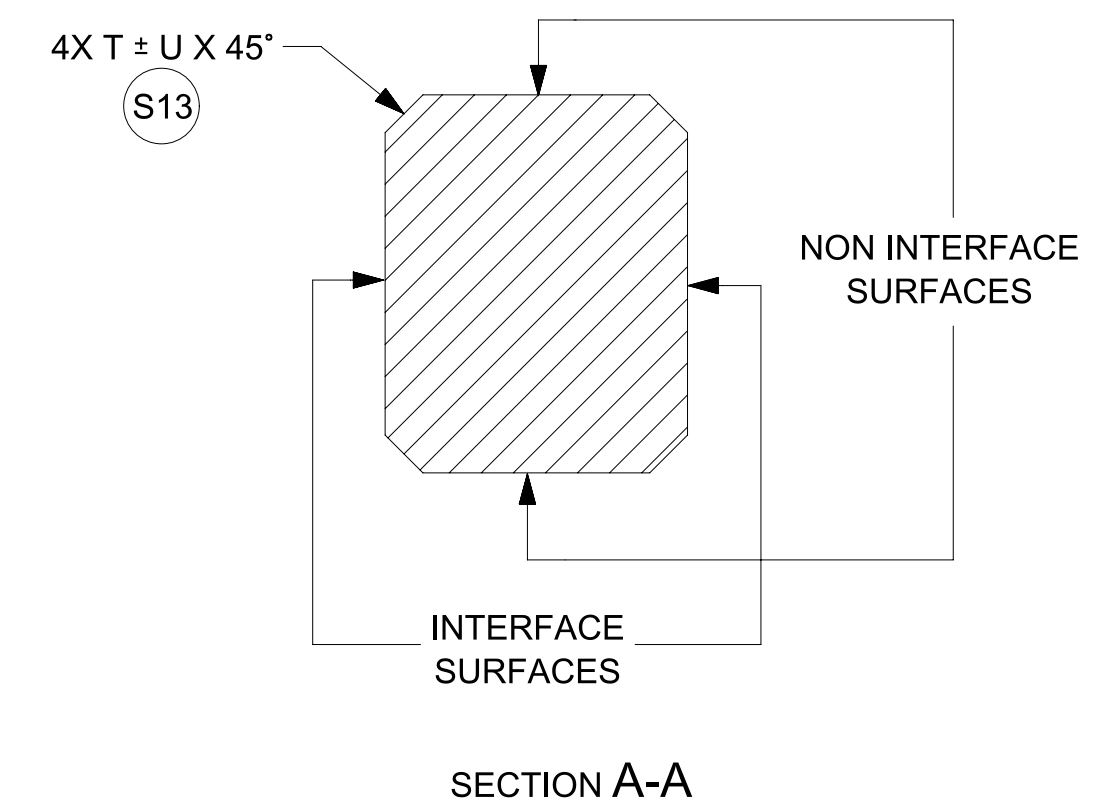
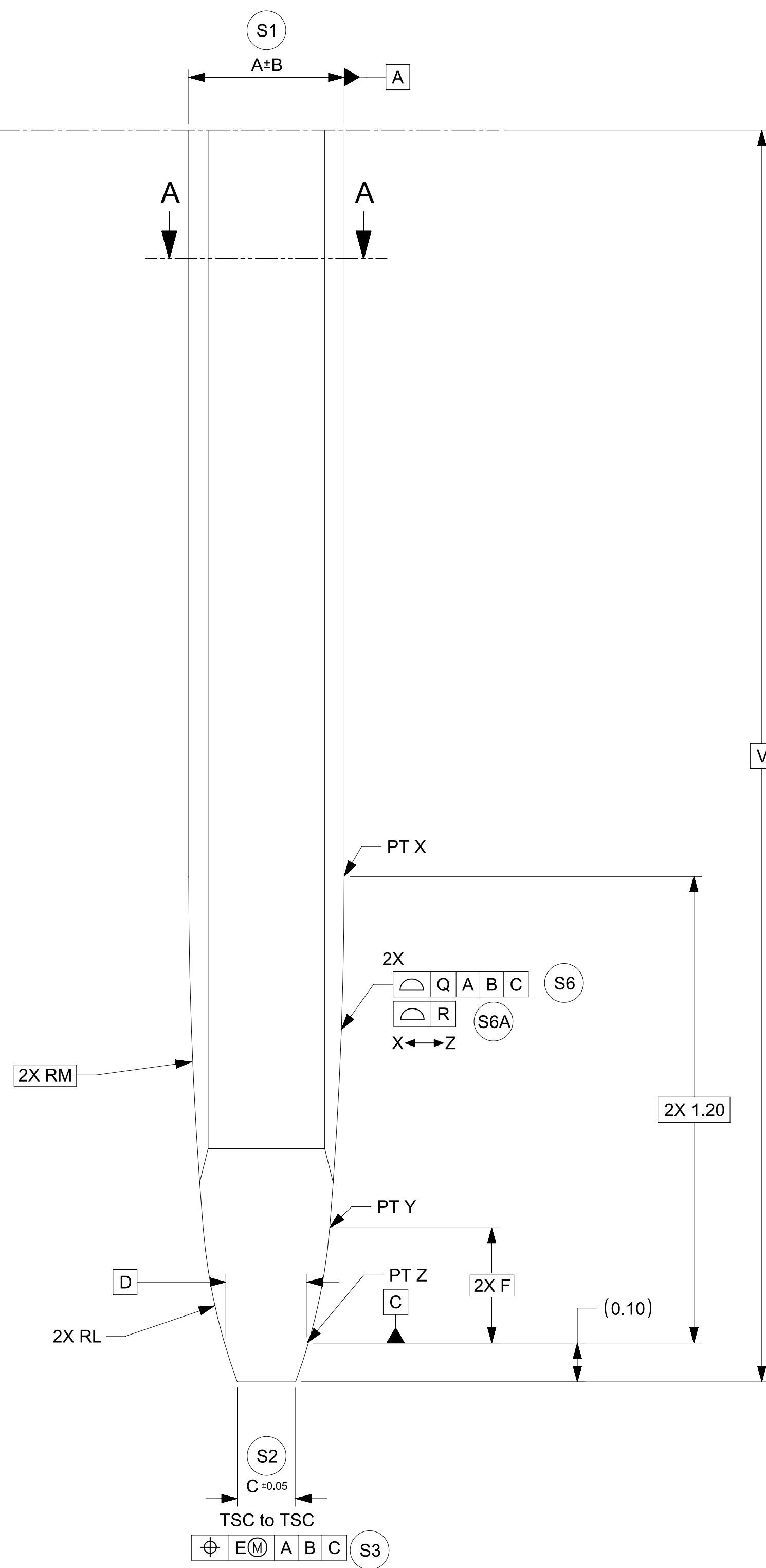


TABLE 1			DRAWING DIMENSIONS																		
Model NO.	Description	Application	A	B	C	D	E	F	G	H	J	L	M	N	P	Q	R	T	U	V	W
34735-0004_FM_000	0.50mm BLADE	HEADER	0.40	0.015	0.15	0.216	0.05	0.296	0.50	0.03	0.05	1.5	11	0.20	0.50	0.10	0.06	0.05	0.03	4.0 MIN	0.08
34735-0001_FM_000	0.64mm BLADE NORMAL THICKNESS	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					
	mm		100:1												
	GENERAL TOLERANCES (UNLESS SPECIFIED)				PHASE: Design Production EC NO: CO-000000508 DRWN: Raghavendra MV2022-01-31 CHK'D: Nathan Song2022-02-07 APPR: Deepak Patil2022-02-09 INITIAL REVISION: DRWN: Raghavendra MV2022-01-31 APPR: Deepak Patil2022-02-09					DESIGN STANDARD HEADER PIN & BLADE TIP GEOMETRY FOR MATING TO HARNESS TERMINALS					
	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		DOC PART		REVISION	
	0 PLACES		± 0.00							PSD		000		A21	
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				THIRD ANGLE PROJECTION						DRAWING		SERIES		MATERIAL NUMBER	
				A1-SIZE		34735						2 OF 2			

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:

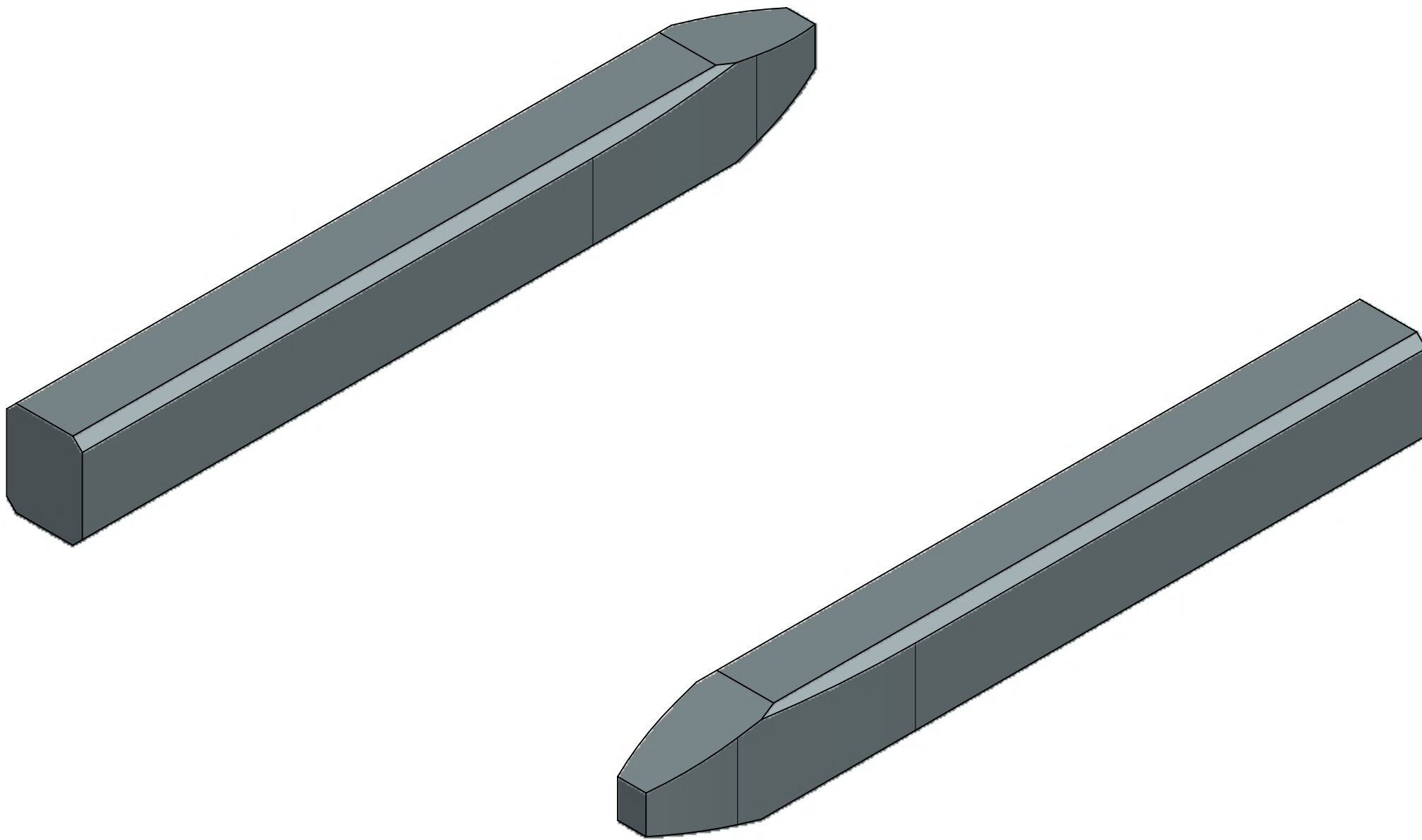
- 2.1. BASE MATERIAL TYPE : COPPER ALLOY

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.



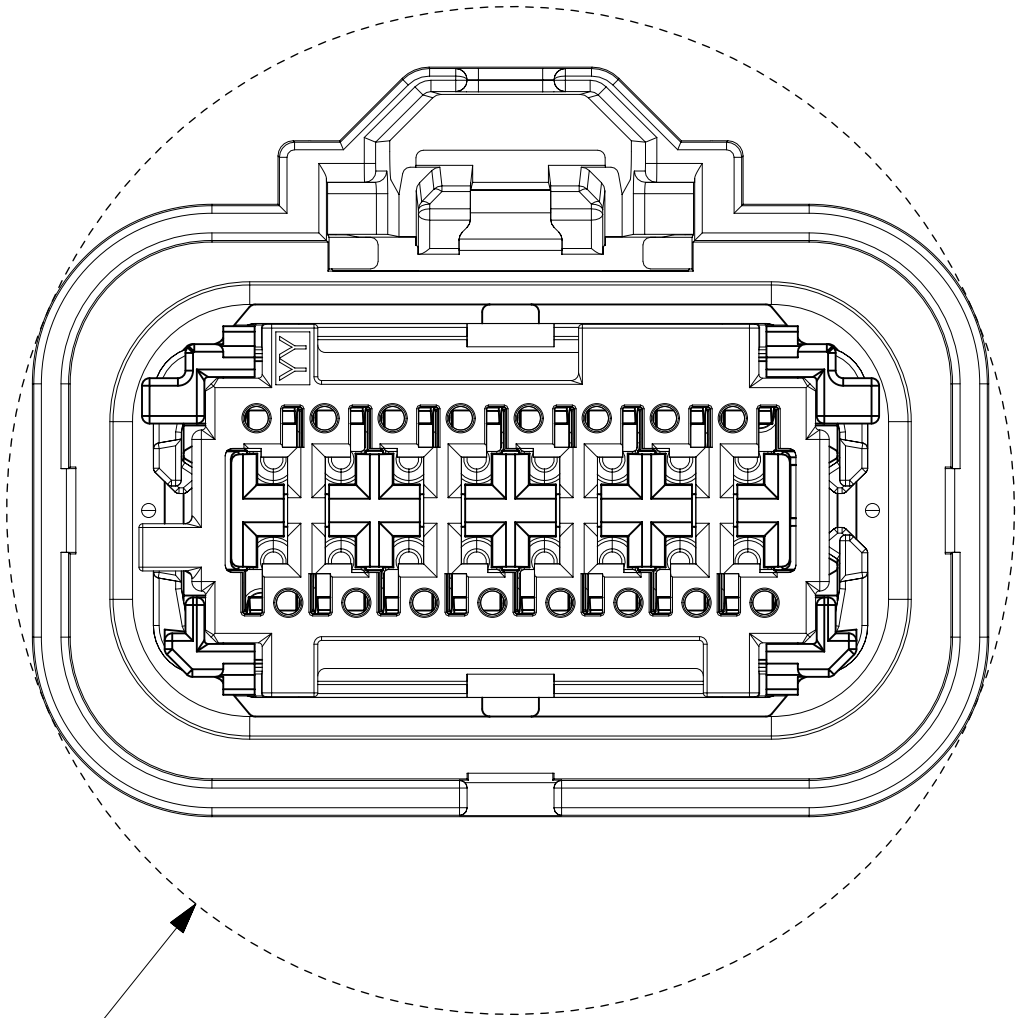
SCALE 50:1

0.5 MM PIN VIEW SHOWN FOR REPRESENTATION PURPOSES ONLY

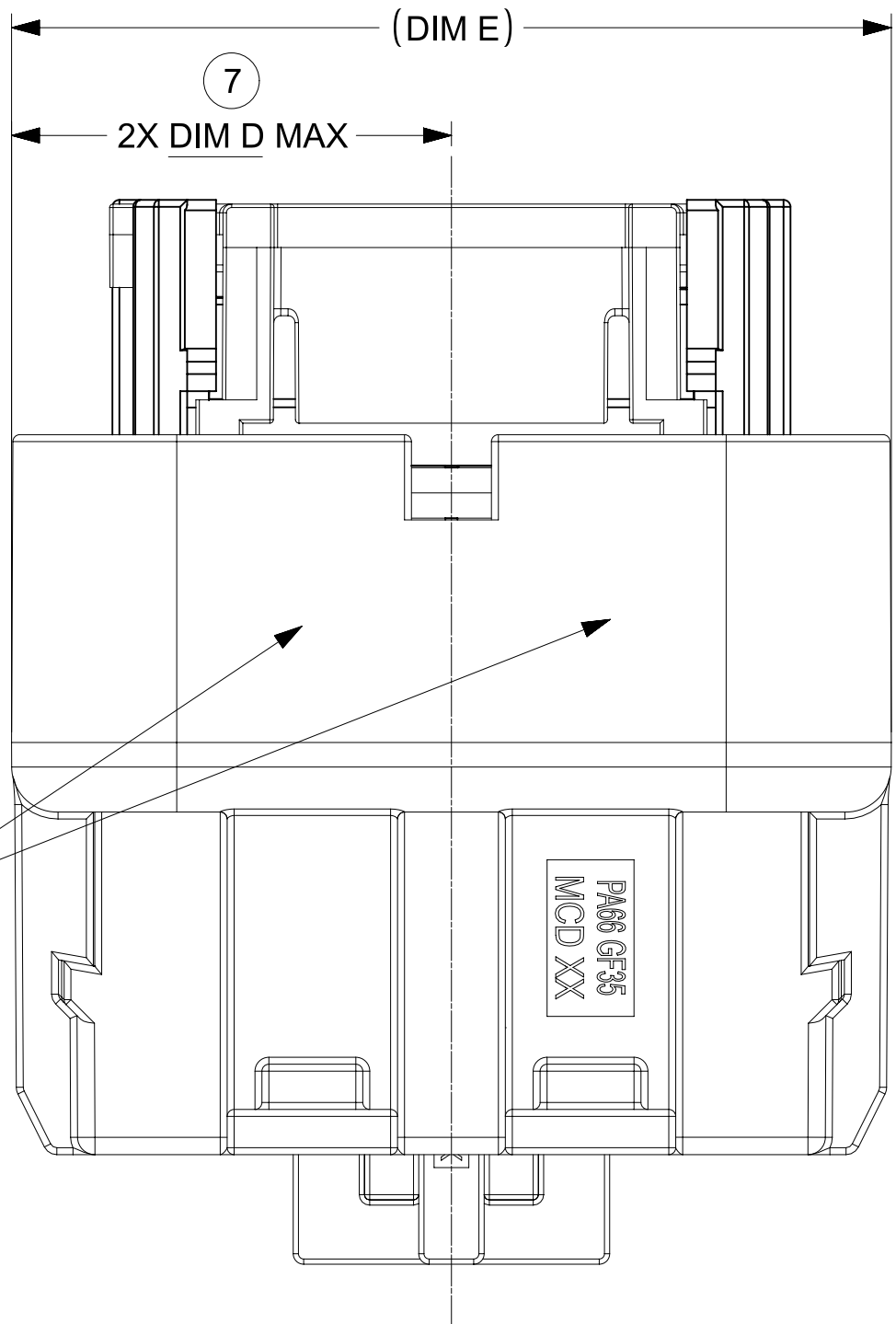
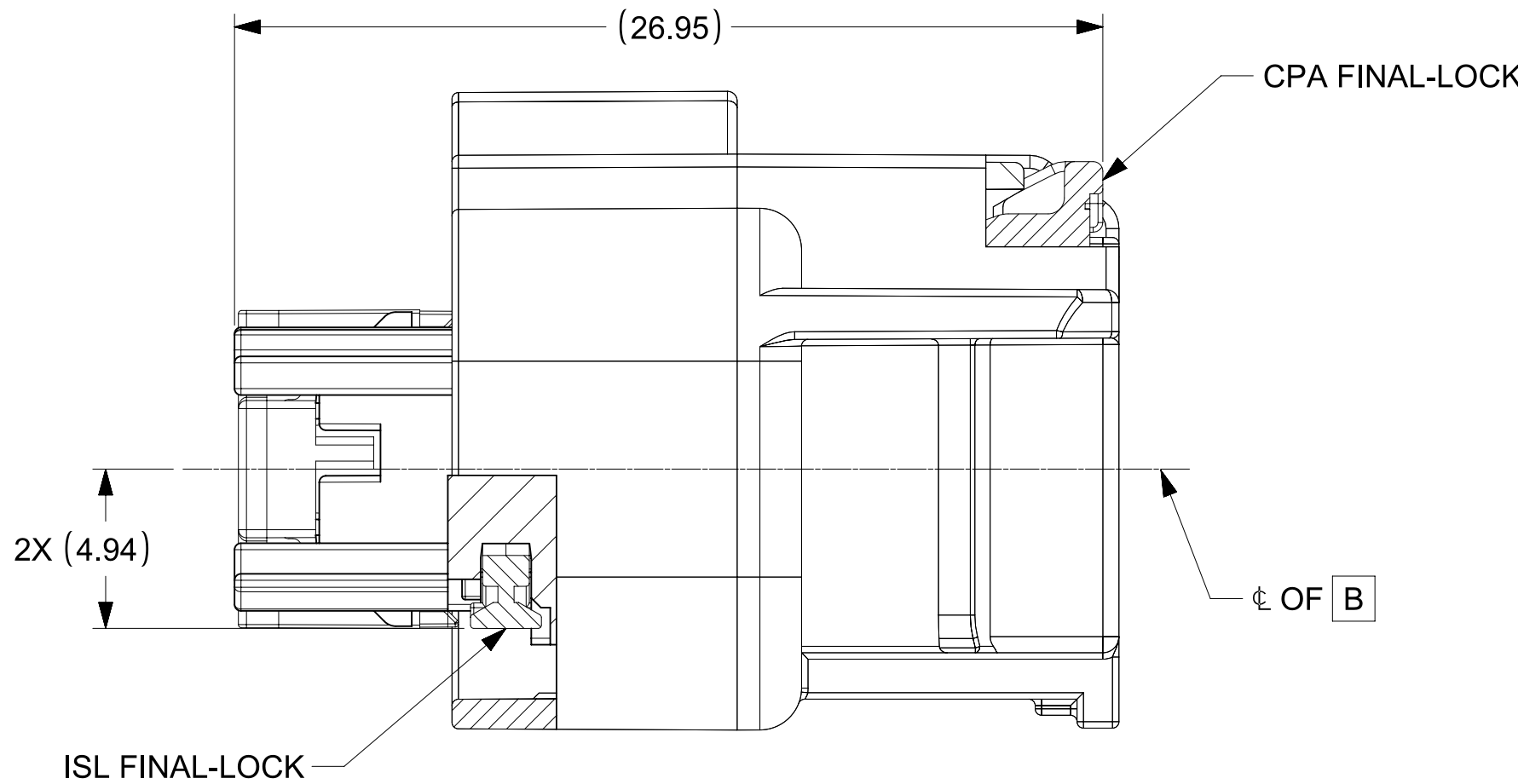
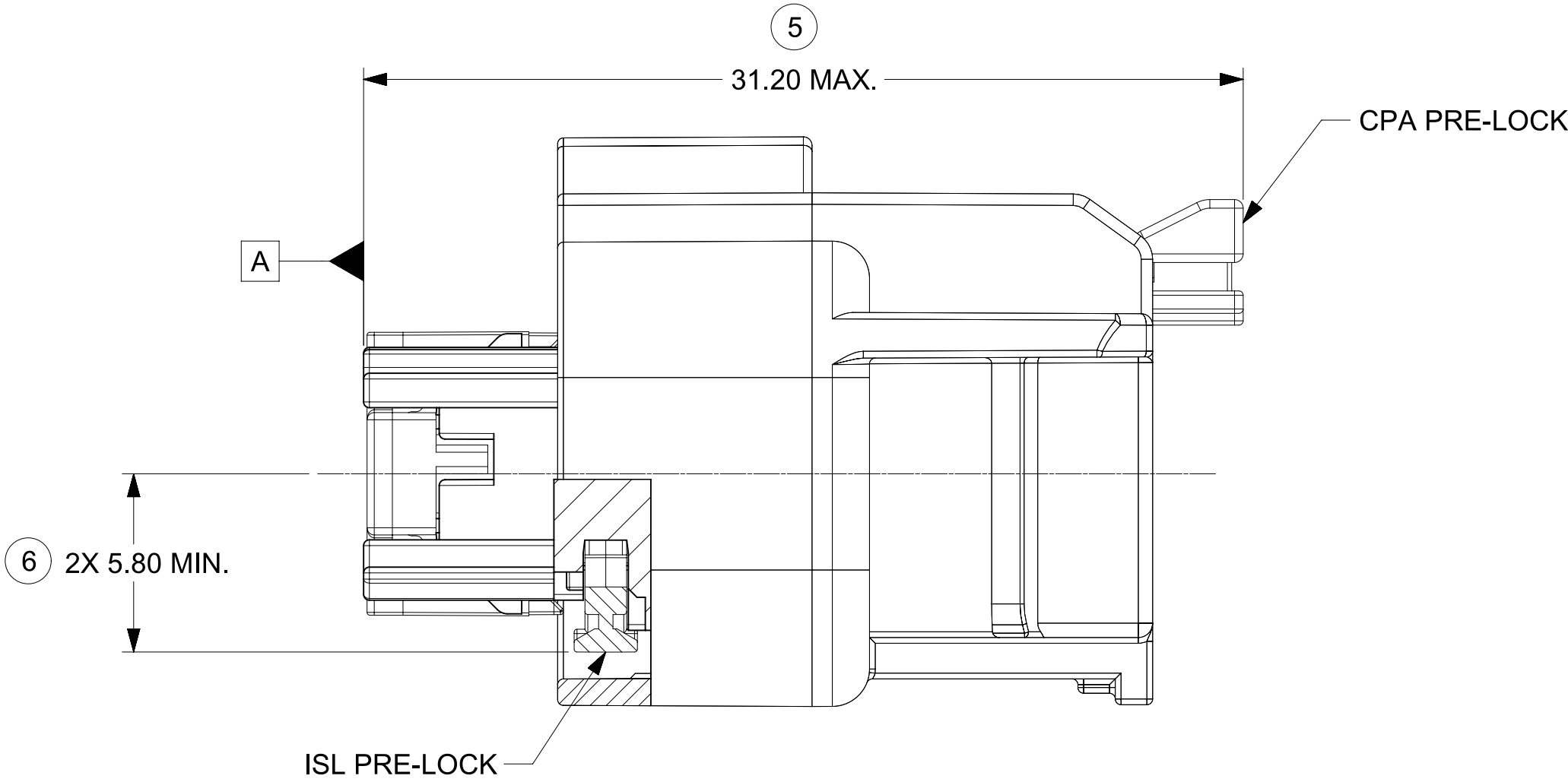
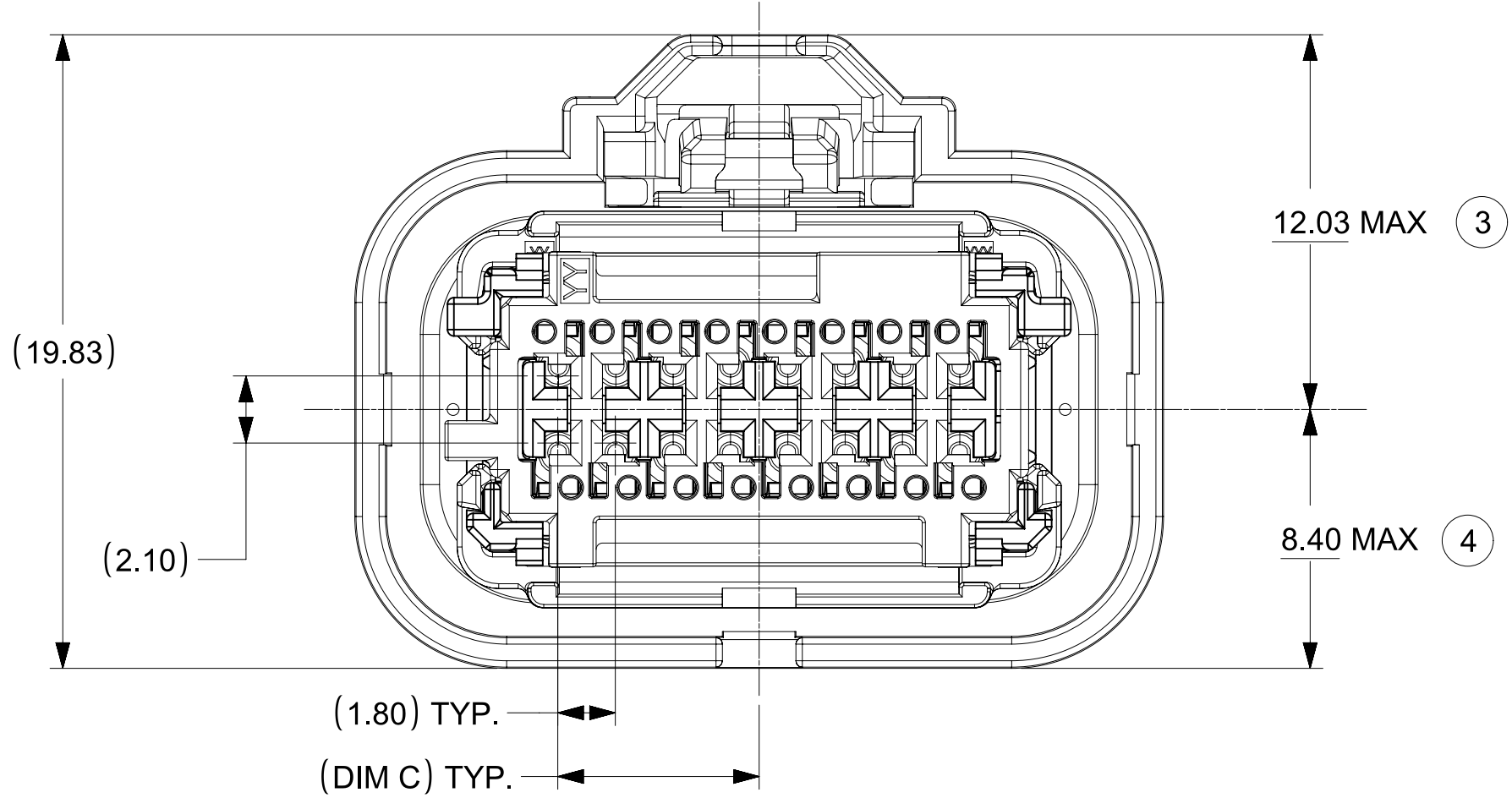
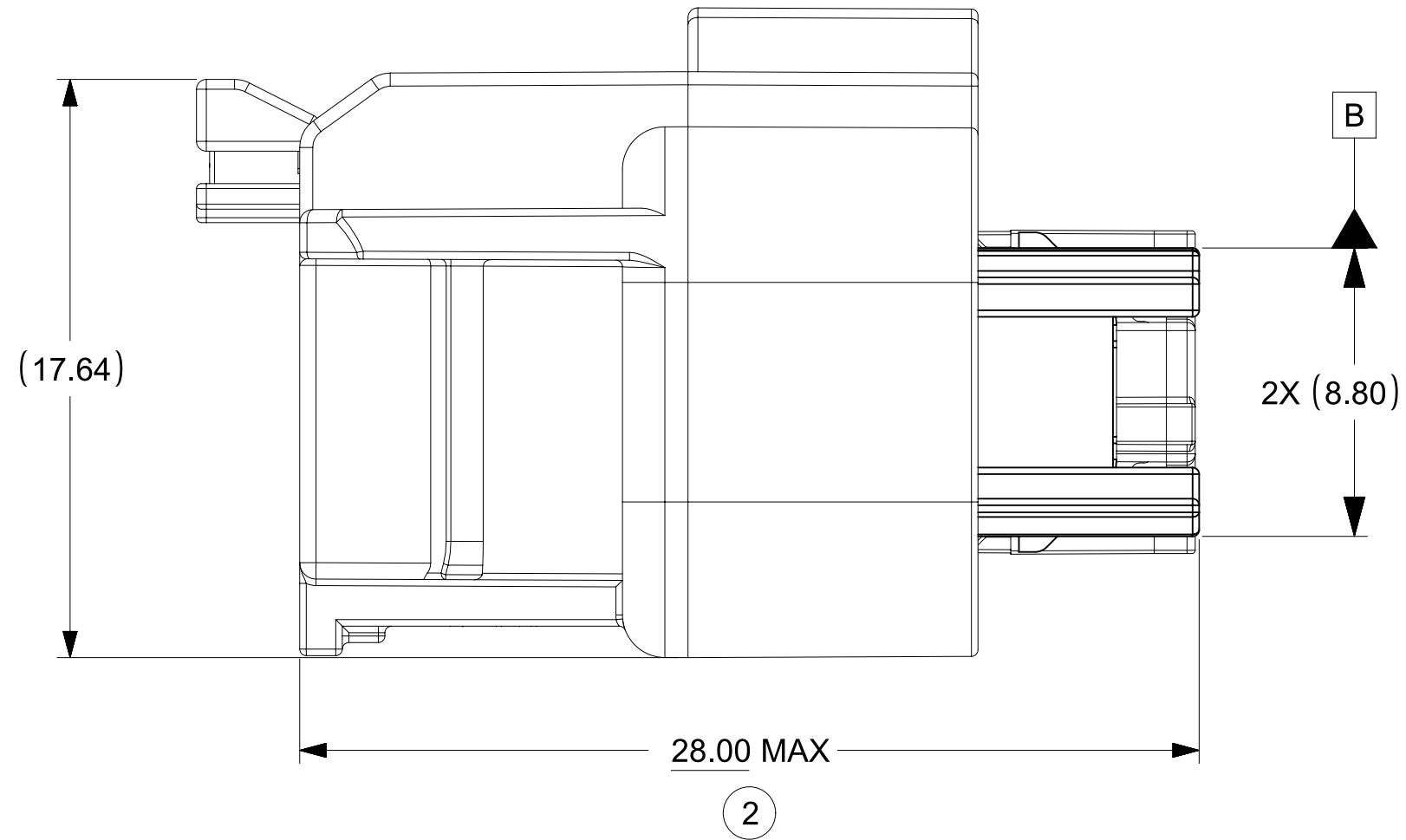
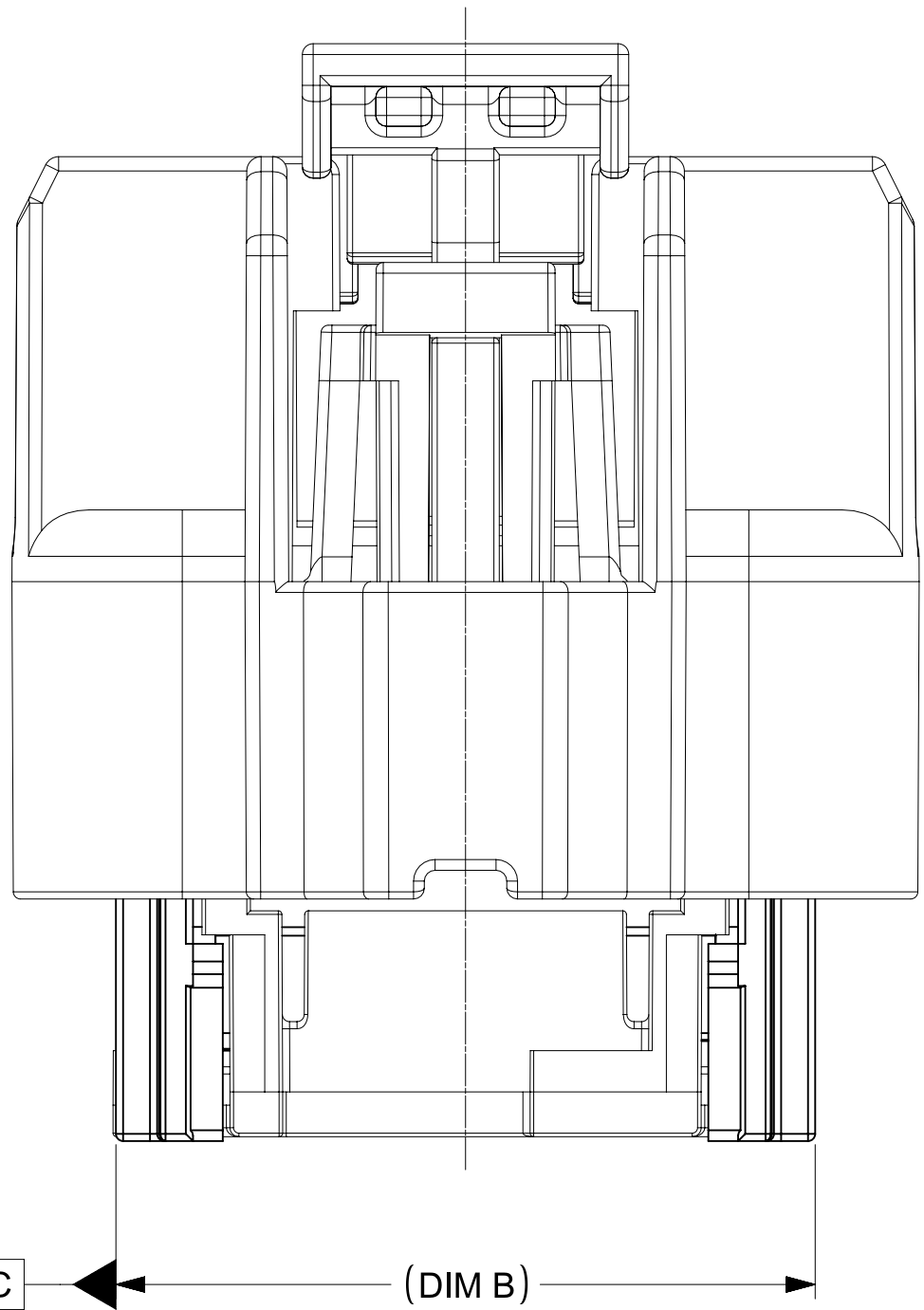
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= 0		DIMENSION UNITS		SCALE		CURRENT REV DESC:													
		mm		50:1															
= 0		GENERAL TOLERANCES (UNLESS SPECIFIED)				PHASE: Design Production EC NO: CO-000000508 DRWN: Raghavendra MV2022-01-31 CHK'D: Nathan Song2022-02-07 APPR: Deepak Patil2022-02-09 INITIAL REVISION: DRWN: Raghavendra MV2022-01-31 APPR: Deepak Patil2022-02-09													
ANGULAR TOL ± 0.5 °																			
DIVISIONAL SYMBOLS		4 PLACES ± 0.00000																	
		3 PLACES ± 0.0150																	
		2 PLACES ± 0.050																	
		1 PLACE ± 0.10																	
0 PLACES ± 0.00		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				THIRD ANGLE PROJECTION		DRAWING		SERIES		DOCUMENT NUMBER		DOC TYPE		DOC PART		REVISION	
								A1-SIZE		34735		347350050		PSD		000		A21	
																			
																			
																			
																			
																			
																			
																			
																			
																			
																			
																			
																			
																			
																			
																			
																			
																			
																			
																			
																			
																			
																			
																			
																			
																			
																			
																			
																			
																			
																			
																			
																			
																			
																			
																			
																			
																			
																			
																			
																			
																			
																			
																			
																			
																			
																			
																			
																			
																			
																			
																			
																			
																			
																			
																			
																			
																			
																			
																			
																			
																			
																			
																			
																			
																			
																			
																			
																			
																			
																			
																			
																			
																			
																			
																			
																			
																			
																			
																			
																			
																			
																			
																			
																			
																			
																			
																			
																			
																			
																			
																			
																			
																			
																			
																			
																			
																			
																			
																			
																			
																			
																			
																			
																			
																			
																			
																			
																			
																			
																			
																			
																			
																			
																			
																			
																			
																			
																			
																			
																			
																			
																			
																			

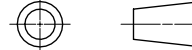
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RECEPTACLE CONNECTOR ASSEMBLY

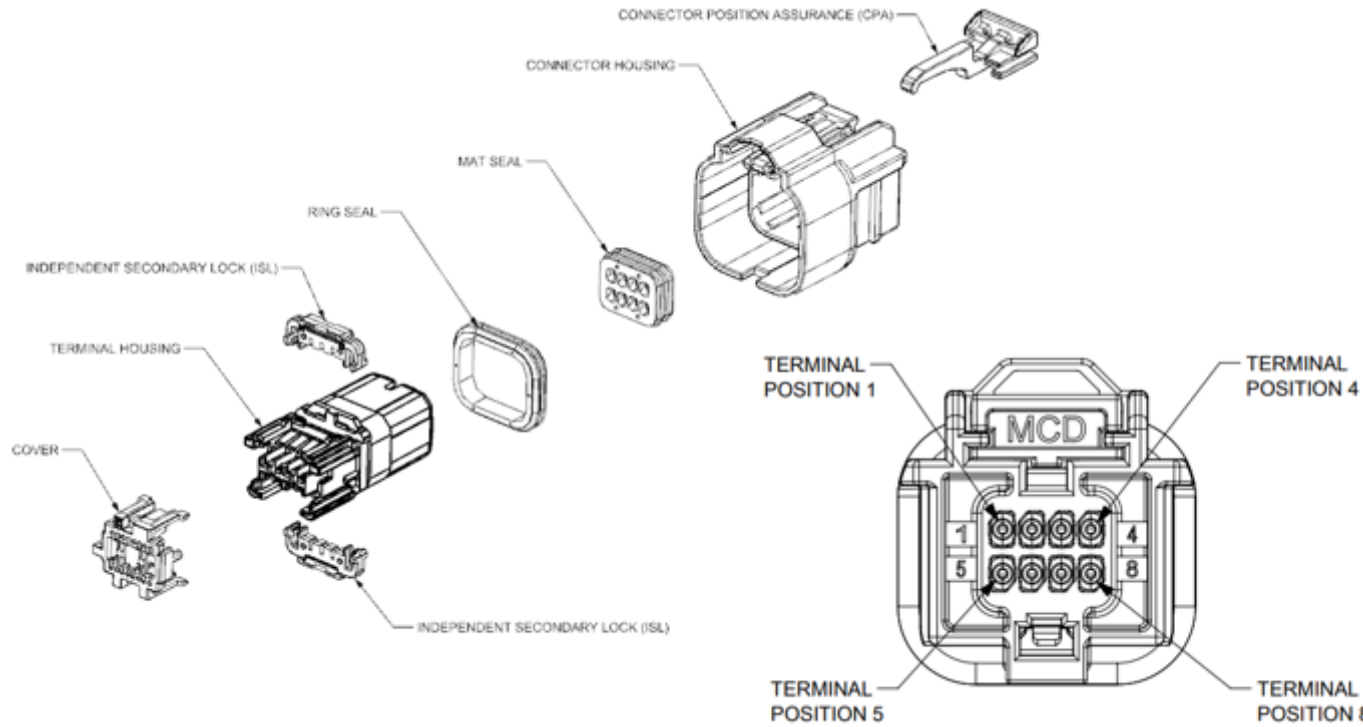
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	DIMENSIONS				
	A	B	C	D	E
2X4	22.82	12.30	2.70	9.40	18.10
2X8	27.66	19.50	6.30	13.00	25.30



①
Ø DIM A
MIN. PASS-THRU



FUNCTIONAL SYMBOLS	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION												
DIVISIONAL SYMBOLS	DIMENSION UNITS		SCALE		CURRENT REV DESC: UPDATED 2X4 INTERFACE		molex						
	MODEL NUMBERS												
	mm		5:1		PHASE: Design Production CO NO: CO-000001789 DRWN: Michael Li 2022-11-29 CHK'D: Michael Li 2022-12-02 APPR: Mike Vanslambrouck 2022-12-15		MINI50 SEALED RECEPTACLE ASSEMBLY DUAL ROW						
	GENERAL TOLERANCES (UNLESS SPECIFIED)												
	ANGULAR TOL ± 0.5°												
	4 PLACES ±												
	3 PLACES ±												
2 PLACES ±													
1 PLACE ±													
0 PLACES ±													
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION		DRAWING		SERIES		MATERIAL NUMBER		CUSTOMER		SHEET NUMBER	
				A1-SIZE		34894		SEE CHART				3 OF 3	



ABBREVIATION	DESCRIPTION	COLOR	MATERIAL
A-BLACK	COVER KEYING OPTION A	BLACK	NYLON GF35
B-LIGHT GRAY	COVER KEYING OPTION B	LIGHT GRAY	NYLON GF35
C-DARK GRAY	COVER KEYING OPTION C	DARK GRAY	NYLON GF35
D-STONE GRAY	COVER KEYING OPTION D	STONE GRAY	NYLON GF35
C-HSG-P	CONNECTOR HOUSING PLUGGED	BLACK	NYLON GF35
C-HSG-O	CONNECTOR HOUSING OPEN	BLACK	NYLON GF35
T-HSG	TERMINAL HOUSING	BLACK	NYLON GF35
ISL	INDEPENDENT SECONDARY LOCK	NATURAL	SPS
CPA	CONNECTOR POSITION ASSURANCE	RED	PBT GF 30
M	MAT SEAL	RUST RED	INHERENTLY LUBRICATED SILICONE
R	RING SEAL	RUST RED	INHERENTLY LUBRICATED SILICONE

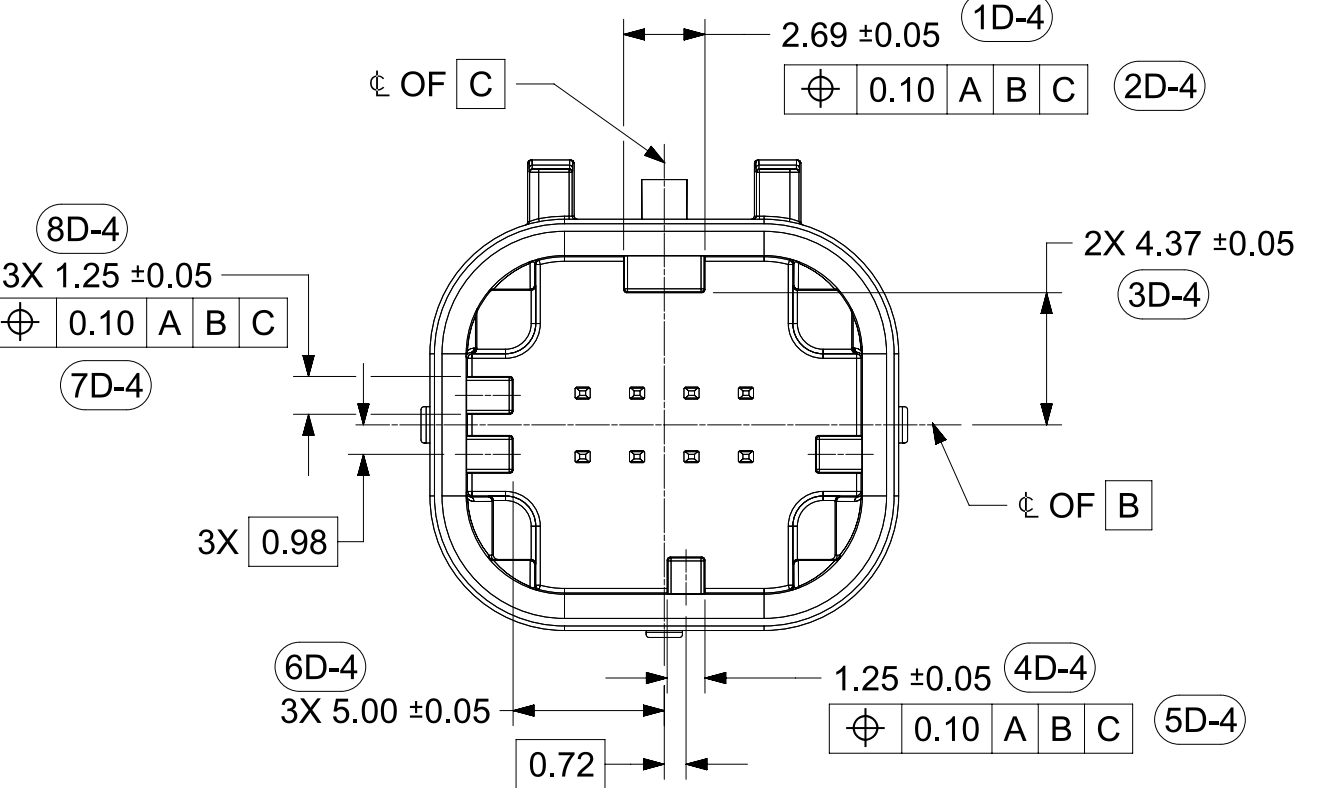
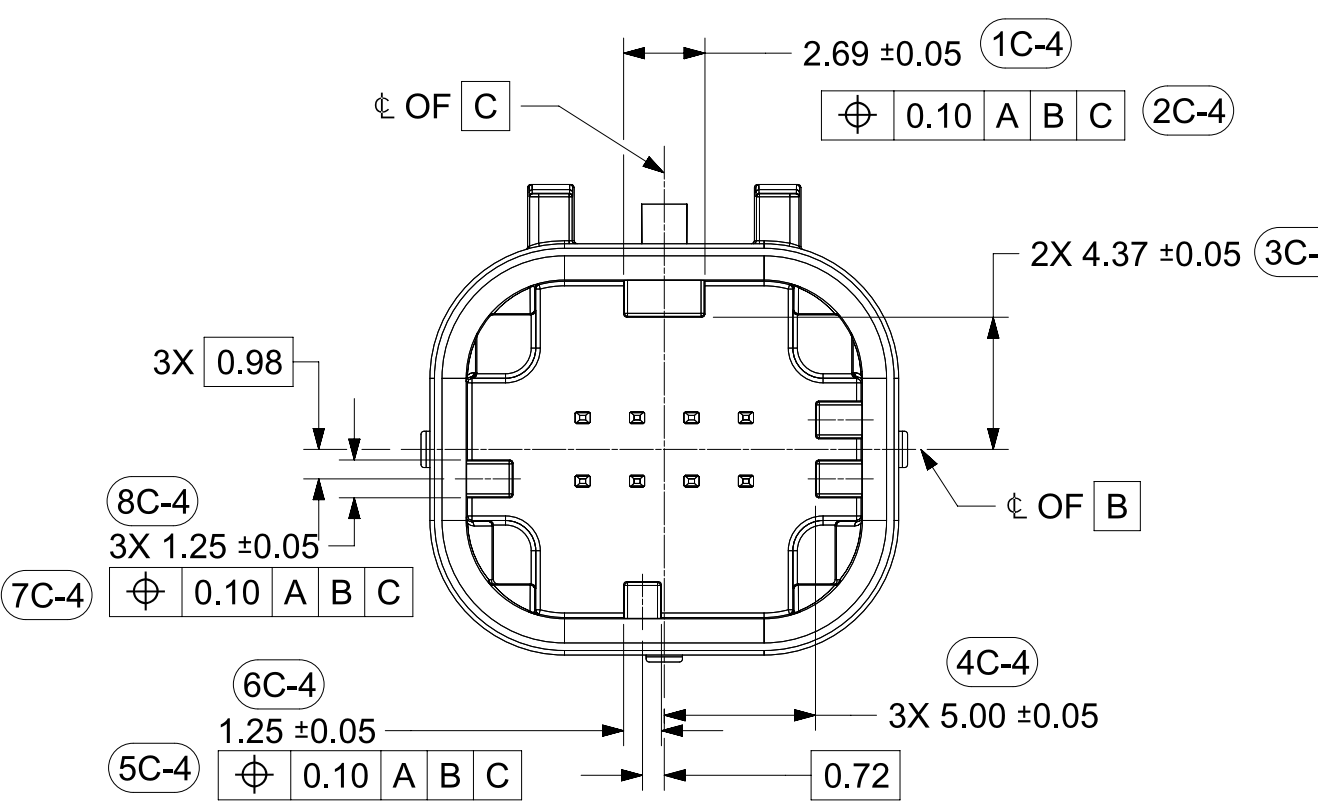
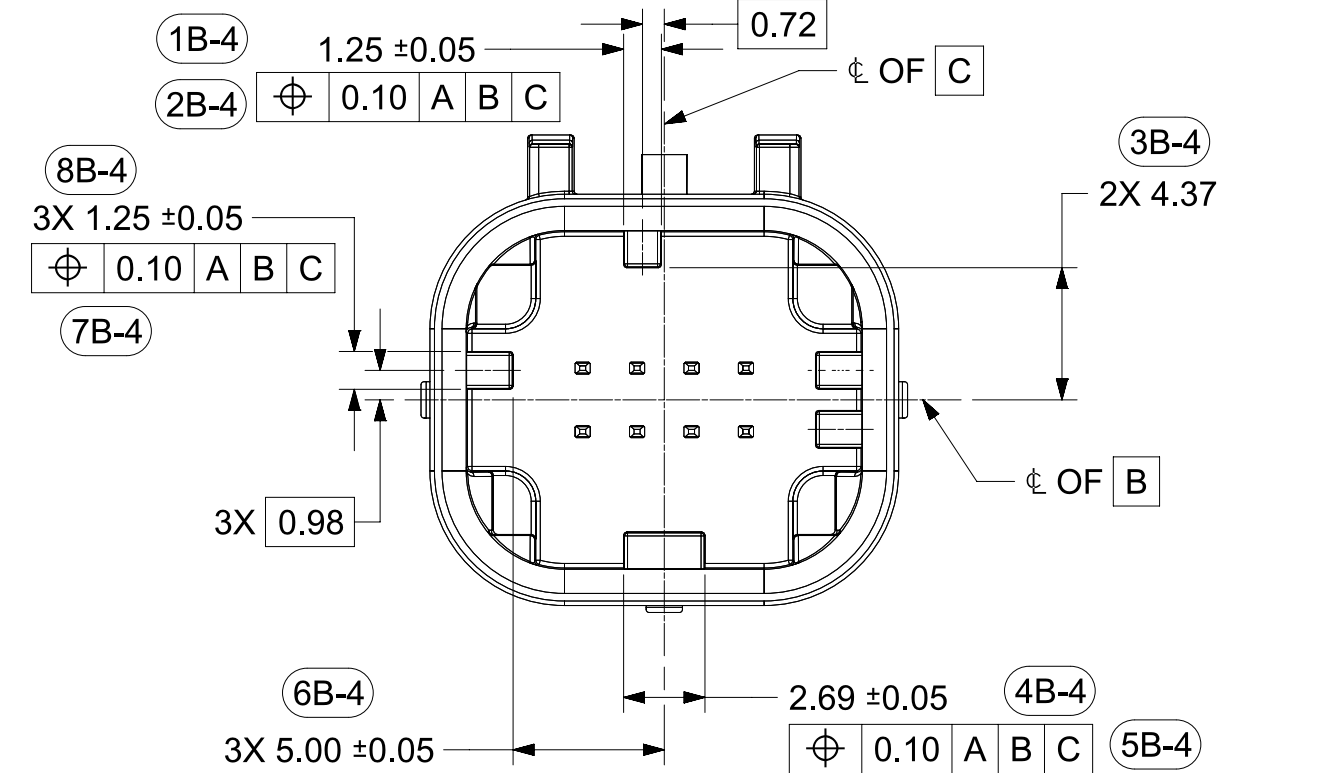
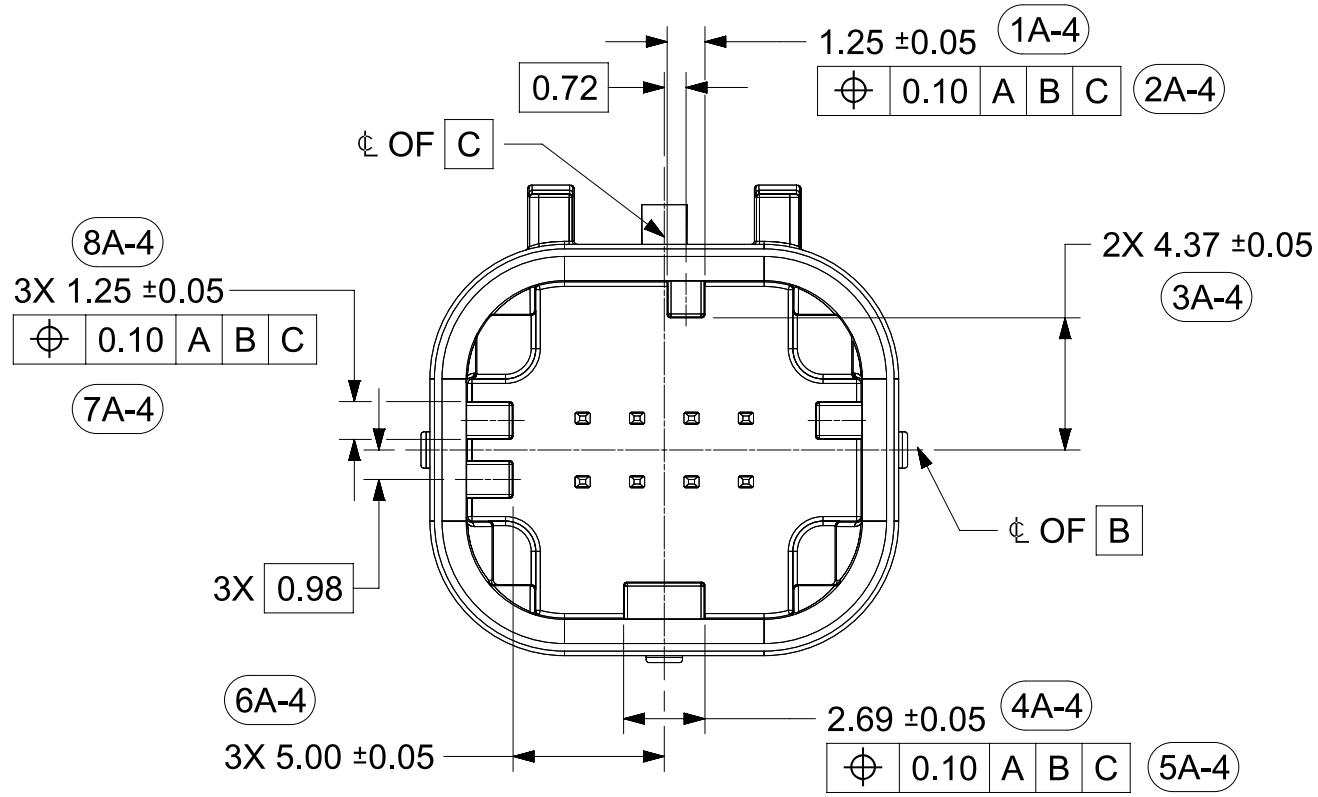
FOR ADDITIONAL INFORMATION SEE 348940001 **PSD 000**

ASSEMBLY DESCRIPTION	ASSEMBLY PART NUMBER	COMPONENT							BLOCKED TERMINALS								STATUS	COMMENT	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 (2X)	CPA	MAT SEAL	RING SEAL											
MINI50 SEALED 2X4 RCPT CONN KEY A CPA/8	348944001	A-BLACK	C-HSG-O	T-HSG	ISL	YES	M	R	-	-	-	-	-	-	-	-	SALEABLE		
MINI50 SEALED 2X4 RCPT CONN KEY B CPA/8	348944002	B-LIGHT GRAY	C-HSG-O	T-HSG	ISL	YES	M	R	-	-	-	-	-	-	-	-	SALEABLE		
MINI50 SEALED 2X4 RCPT CONN KEY C CPA/8	348944003	C-DARK GRAY	C-HSG-O	T-HSG	ISL	YES	M	R	-	-	-	-	-	-	-	-	SALEABLE		
MINI50 SEALED 2X4 RCPT CONN KEY D CPA/8	348944004	D-STONE GRAY	C-HSG-O	T-HSG	ISL	YES	M	R	-	-	-	-	-	-	-	-	SALEABLE		
MINI50 SEALED 2X4 RCPT CONN KEY A CPA	348944005	A-BLACK	C-HSG-P	T-HSG	ISL	YES	M	R	1	2	3	4	5	6	7	8	SALEABLE		
MINI50 SEALED 2X4 RCPT CONN KEY B CPA	348944006	B-LIGHT GRAY	C-HSG-P	T-HSG	ISL	YES	M	R	1	2	3	4	5	6	7	8	SALEABLE		
MINI50 SEALED 2X4 RCPT CONN KEY C CPA	348944007	C-DARK GRAY	C-HSG-P	T-HSG	ISL	YES	M	R	1	2	3	4	5	6	7	8	SALEABLE		
MINI50 SEALED 2X4 RCPT CONN KEY D CPA	348944008	D-STONE GRAY	C-HSG-P	T-HSG	ISL	YES	M	R	1	2	3	4	5	6	7	8	SALEABLE		
MINI50 SEALED 2X4 RCPT CONN KEY A CPA/8	348944009	A-BLACK	C-HSG-O	T-HSG	ISL	NO	M	R	-	-	-	-	-	-	-	-	SALEABLE		
MINI50 SEALED 2X4 RCPT CONN KEY B CPA/8	348944010	B-LIGHT GRAY	C-HSG-O	T-HSG	ISL	NO	M	R	-	-	-	-	-	-	-	-	SALEABLE		

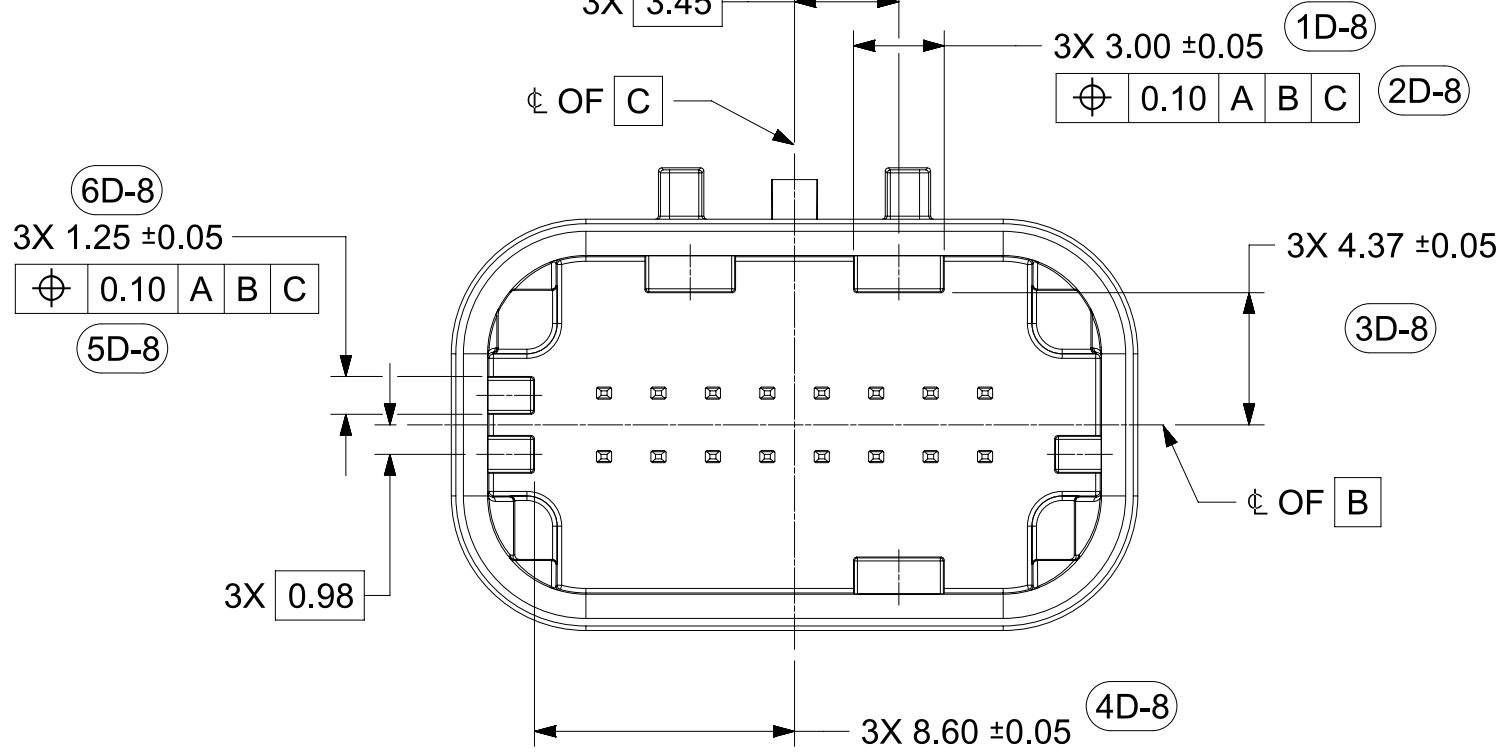
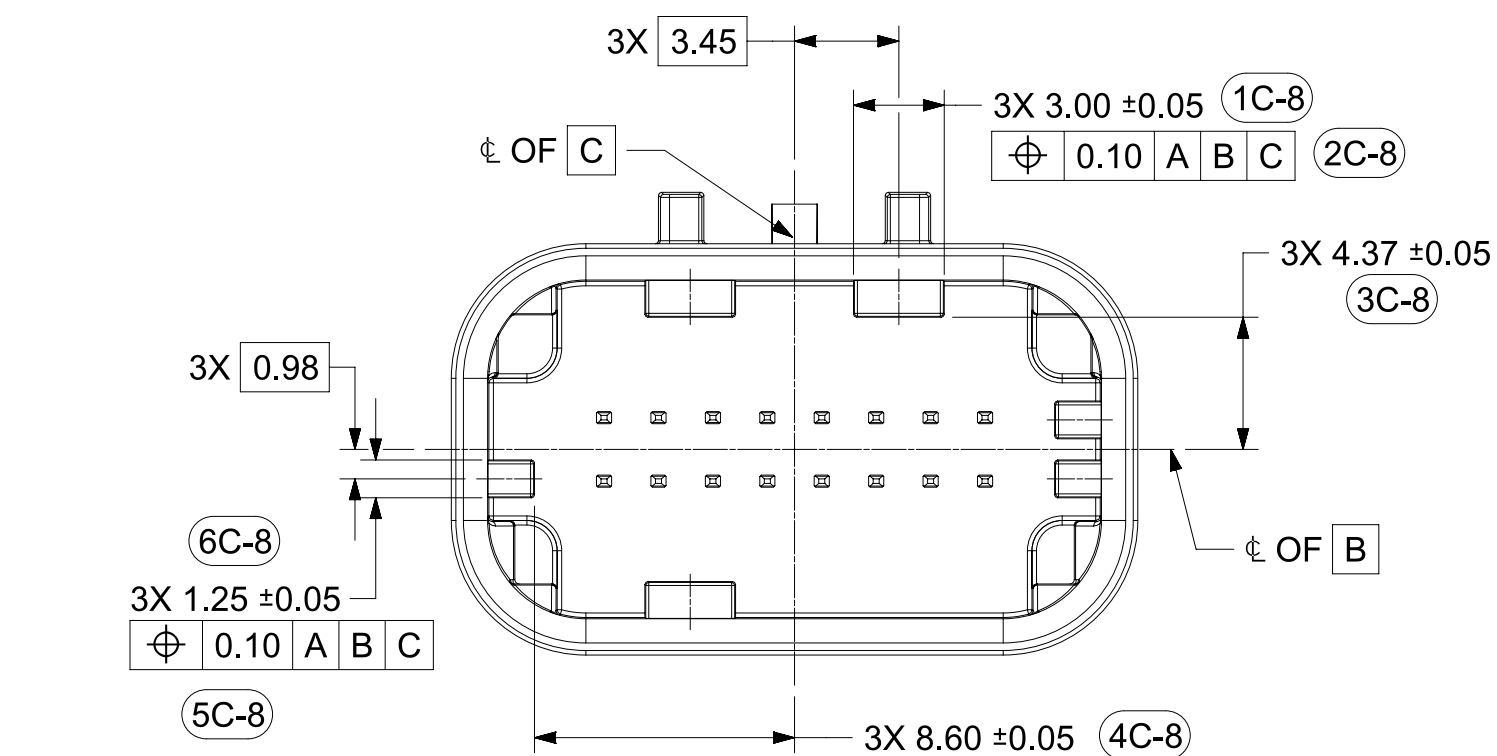
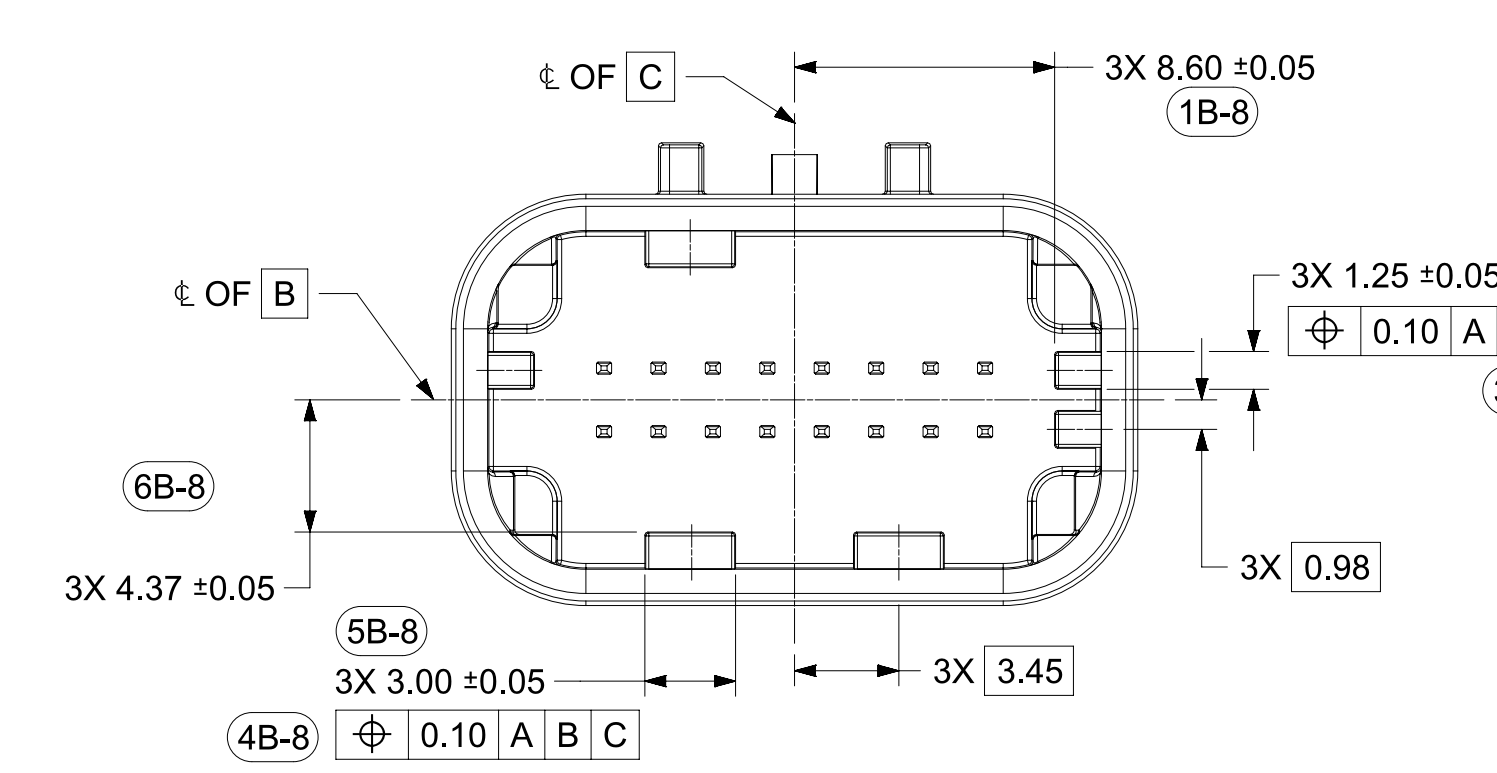
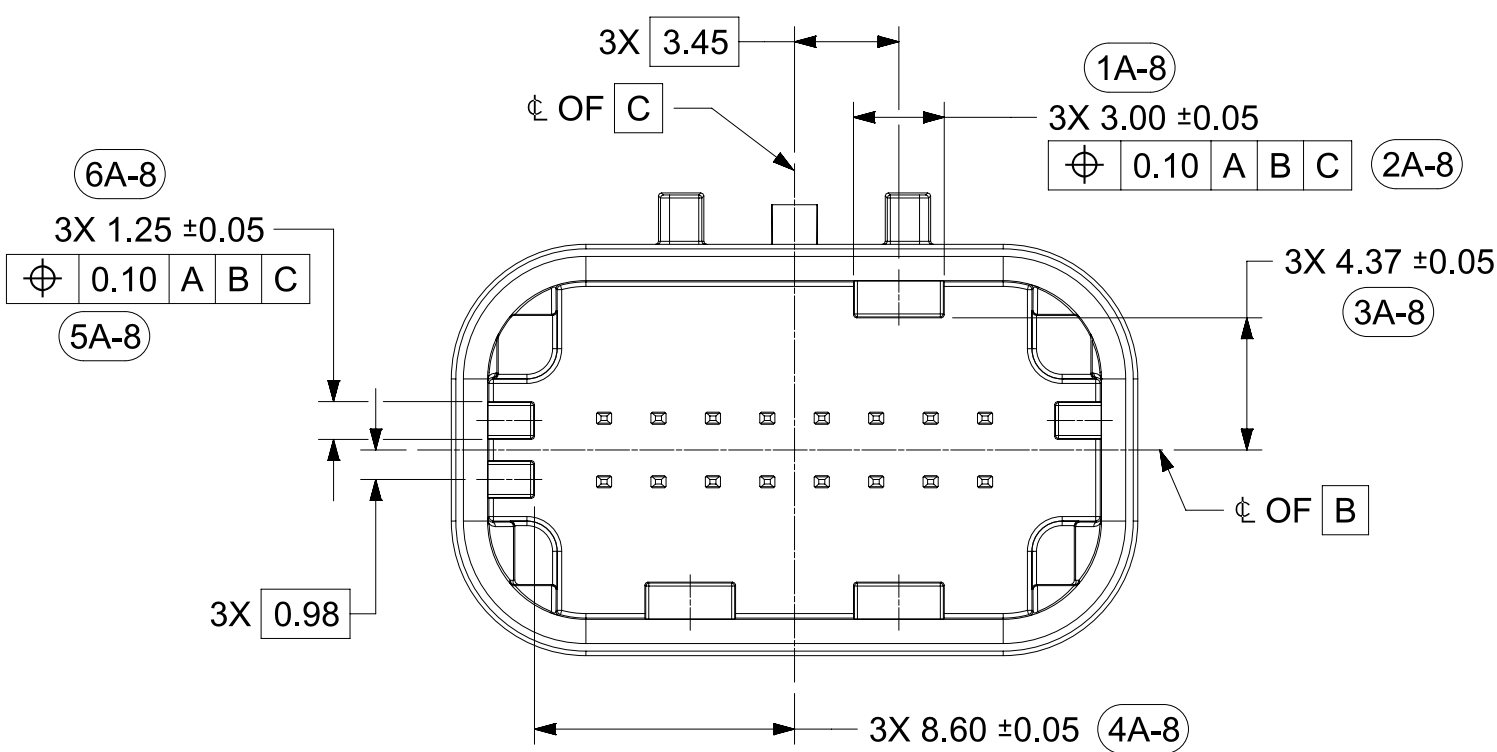
ASSEMBLY DESCRIPTION	ASSEMBLY PART NUMBER	COMPONENT							BLOCKED TERMINALS								STATUS	COMMENT	OPTIONAL ATTACHMENTS SOLD SEPERATELY
		THE PRESENCE OF AN ABBREVIATION INDICATES THE PRESENCE OF THAT COMPONENT							CAVITY WITH A NUMBER INDICATES BLOCKED TERMINAL POSITION CAVITY WITHOUT A NUMBER INDICATES OPEN TERMINAL POSITION										BLACKSHELL P/N
		COVER KEY/ COLOR	CONNECTOR HOUSING	TERMINAL HOUSING	ISL (2X)	CPA	MAT SEAL	RING SEAL											
MINI50 SEALED 2X4 RCPT CONN KEY C CPA/8	348944011	C-DARK GRAY	C-HSG-O	T-HSG	ISL	NO	M	R	-	-	-	-	-	-	-	-	SALEABLE		
MINI50 SEALED 2X4 RCPT CONN KEY D CPA/8	348944012	D-STONE GRAY	C-HSG-O	T-HSG	ISL	NO	M	R	-	-	-	-	-	-	-	-	SALEABLE		
MINI50 SEALED 2X4 RCPT CONN KEY A CPA	348944013	A-BLACK	C-HSG-P	T-HSG	ISL	NO	M	R	1	2	3	4	5	6	7	8	SALEABLE		
MINI50 SEALED 2X4 RCPT CONN KEY B CPA	348944014	B-LIGHT GRAY	C-HSG-P	T-HSG	ISL	NO	M	R	1	2	3	4	5	6	7	8	SALEABLE		
MINI50 SEALED 2X4 RCPT CONN KEY C CPA	348944015	C-DARK GRAY	C-HSG-P	T-HSG	ISL	NO	M	R	1	2	3	4	5	6	7	8	SALEABLE		
MINI50 SEALED 2X4 RCPT CONN KEY D CPA	348944016	D-STONE GRAY	C-HSG-P	T-HSG	ISL	NO	M	R	1	2	3	4	5	6	7	8	SALEABLE		
MINI50 SEALED 2X4 RCPT CONN KEY A CPA/4	348944017	A-BLACK	C-HSG-P	T-HSG	ISL	YES	M	R	1	-	3	-	-	6	-	8	SALEABLE		
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SHEET DESCRIPTION
KEY CONFIGURATIONS

2X4



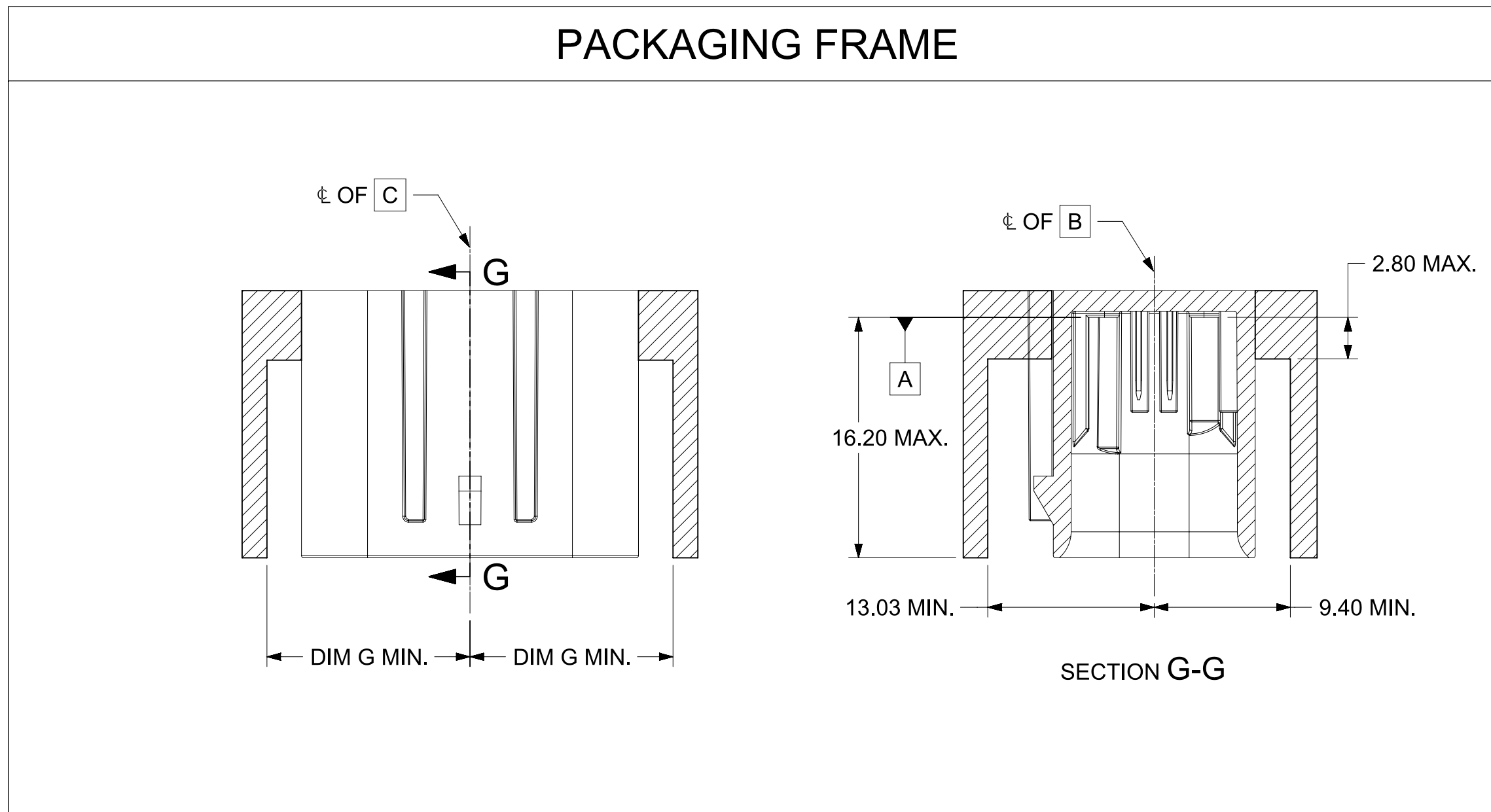
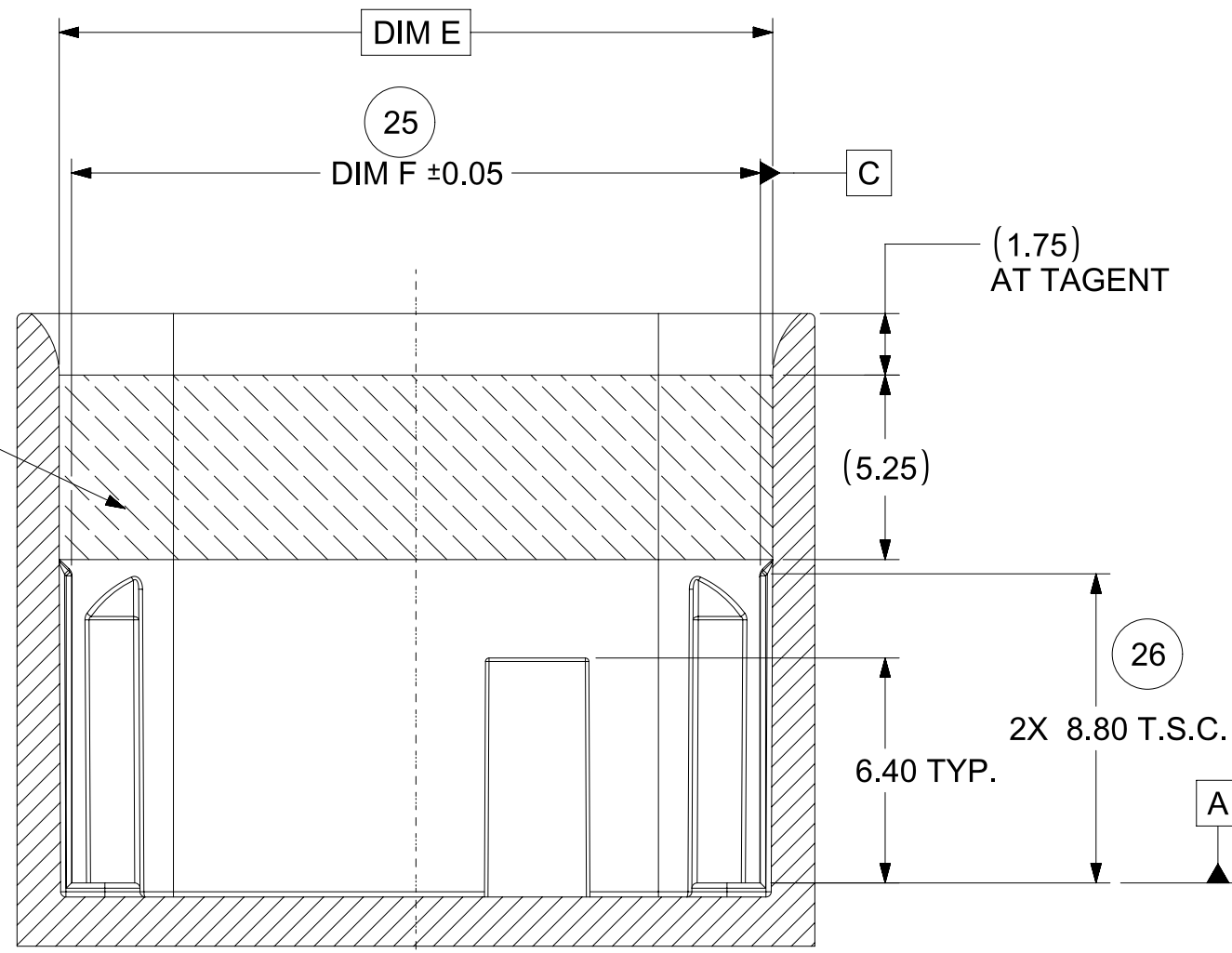
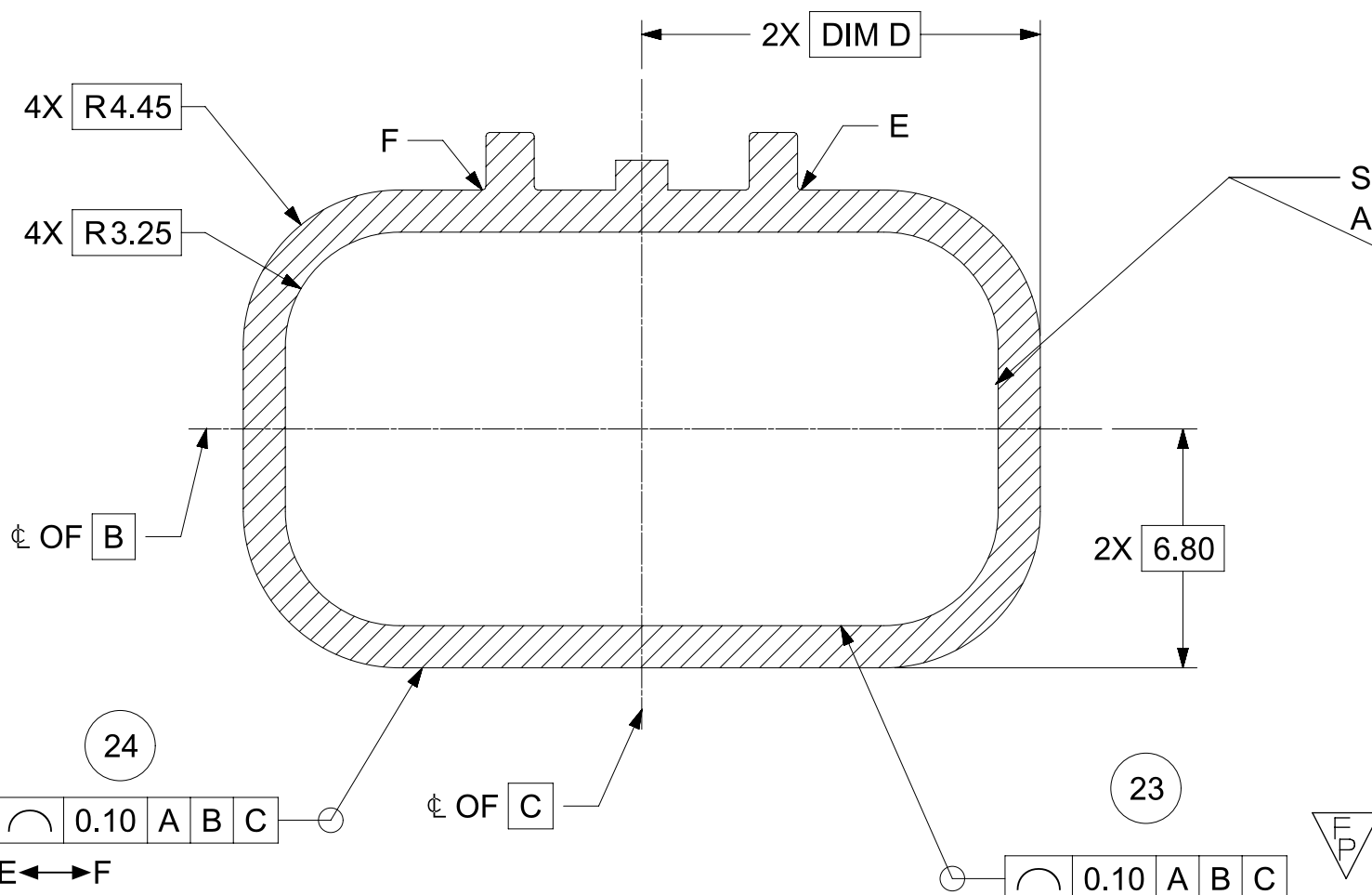
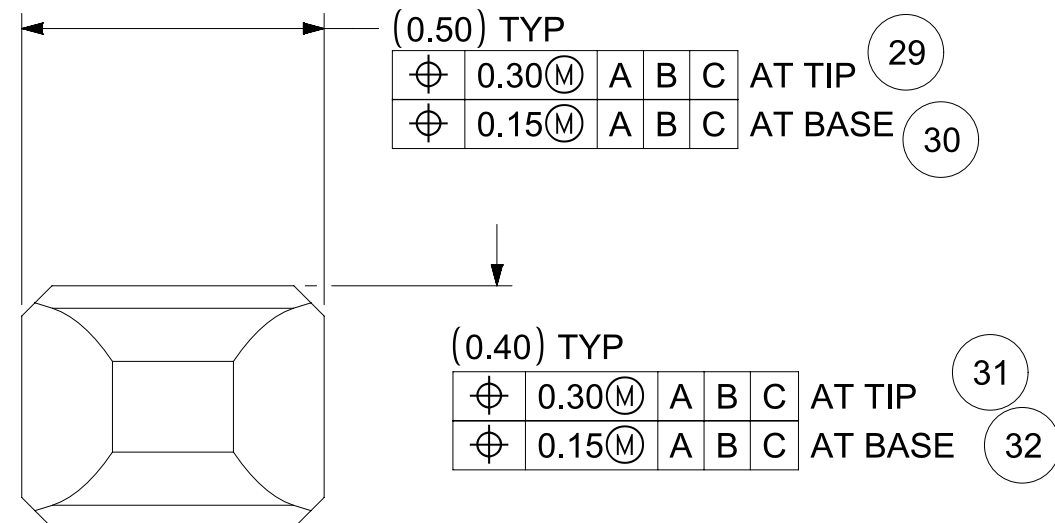
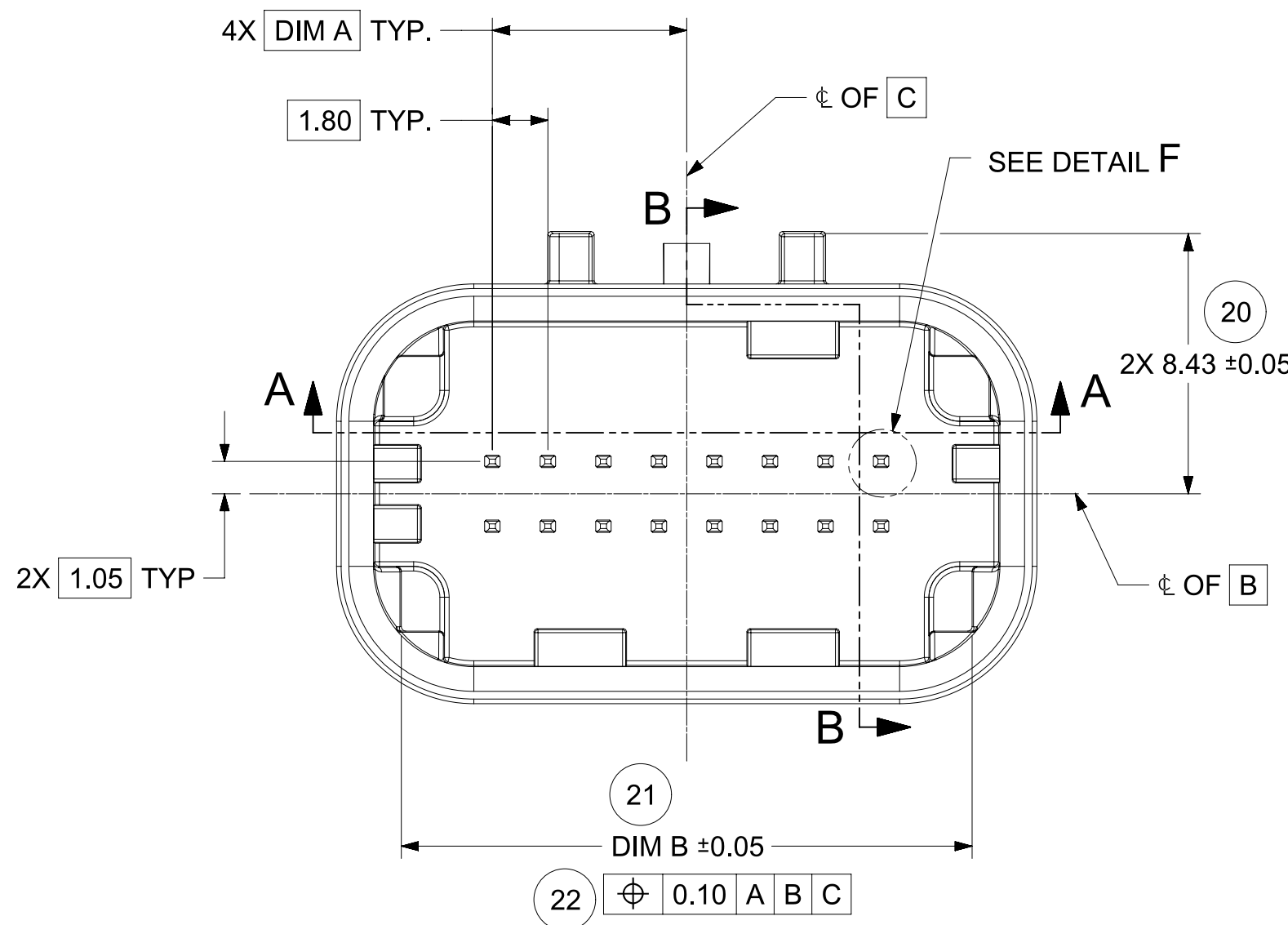
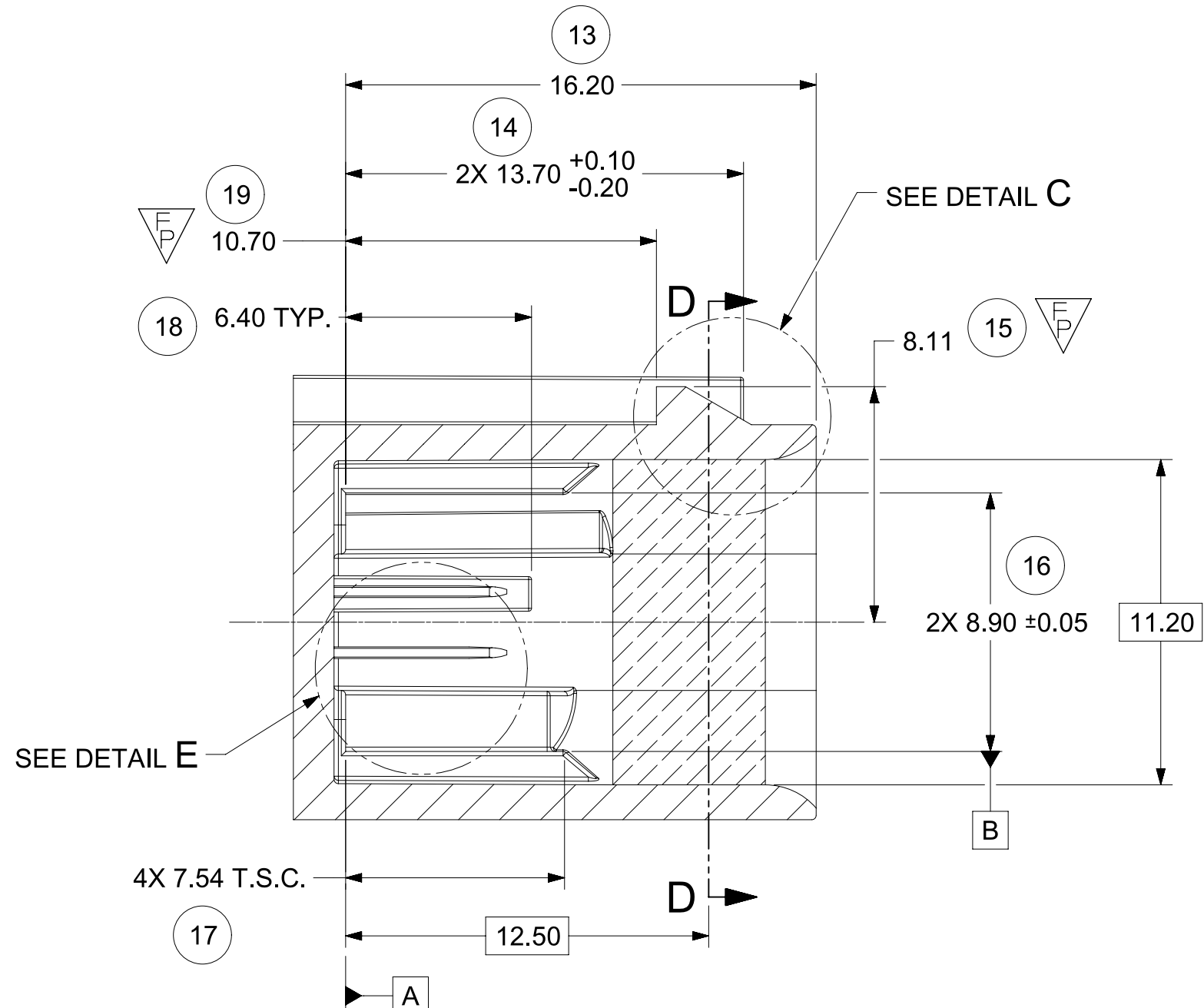
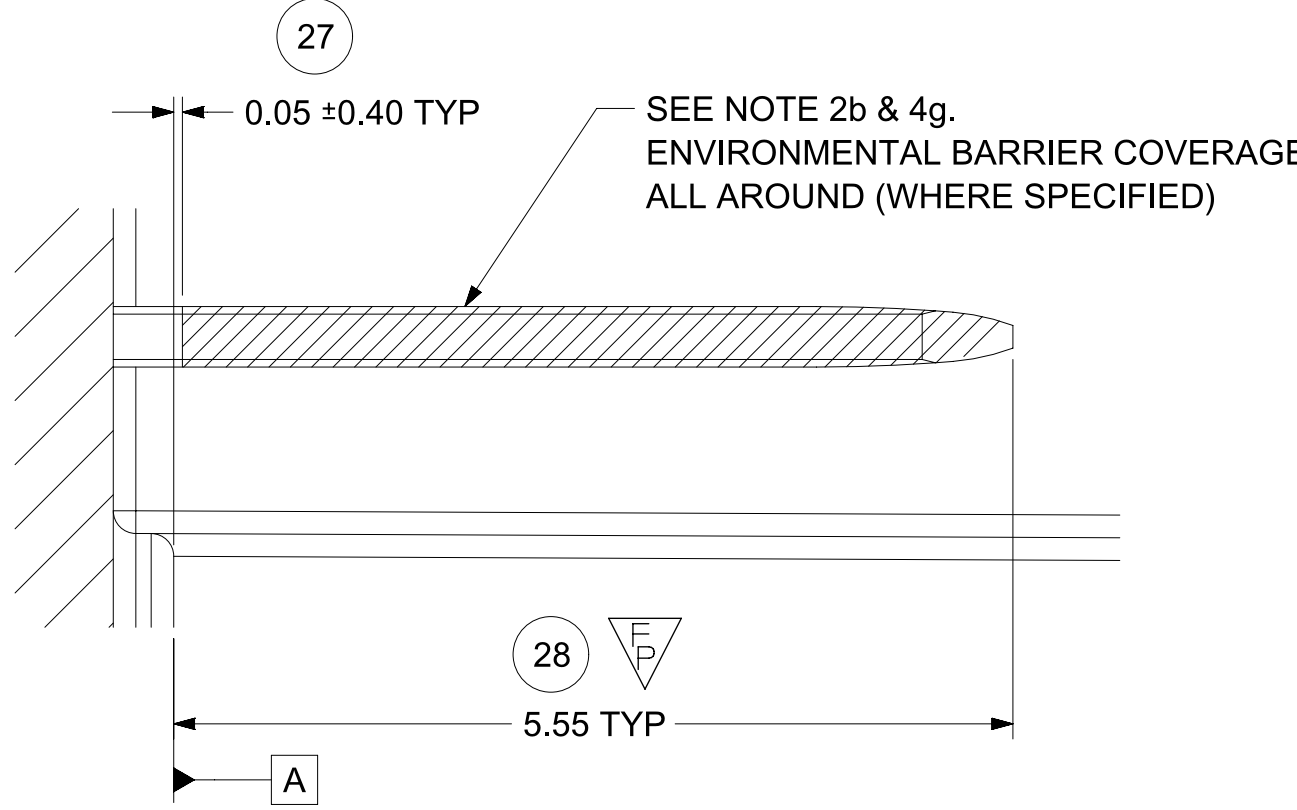
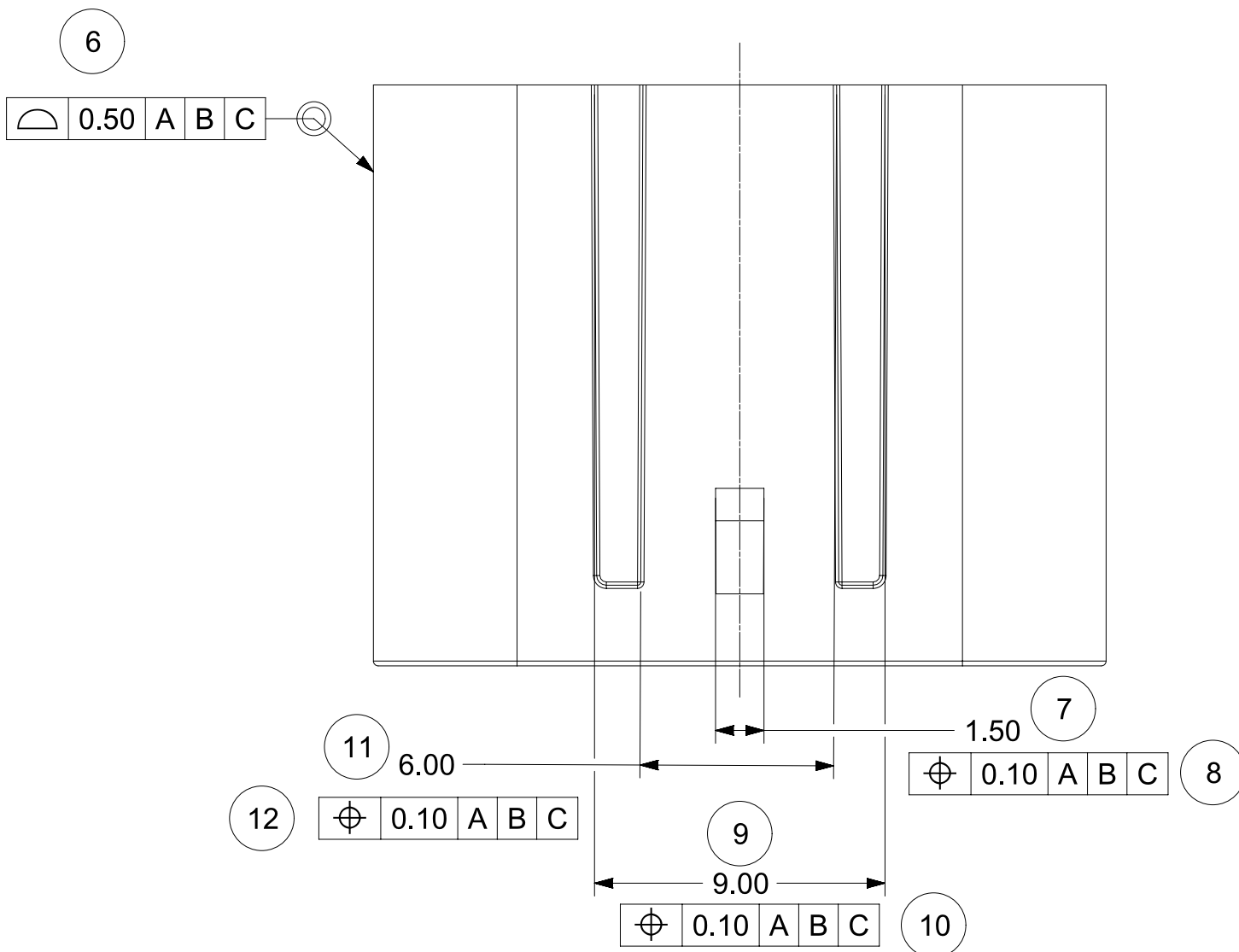
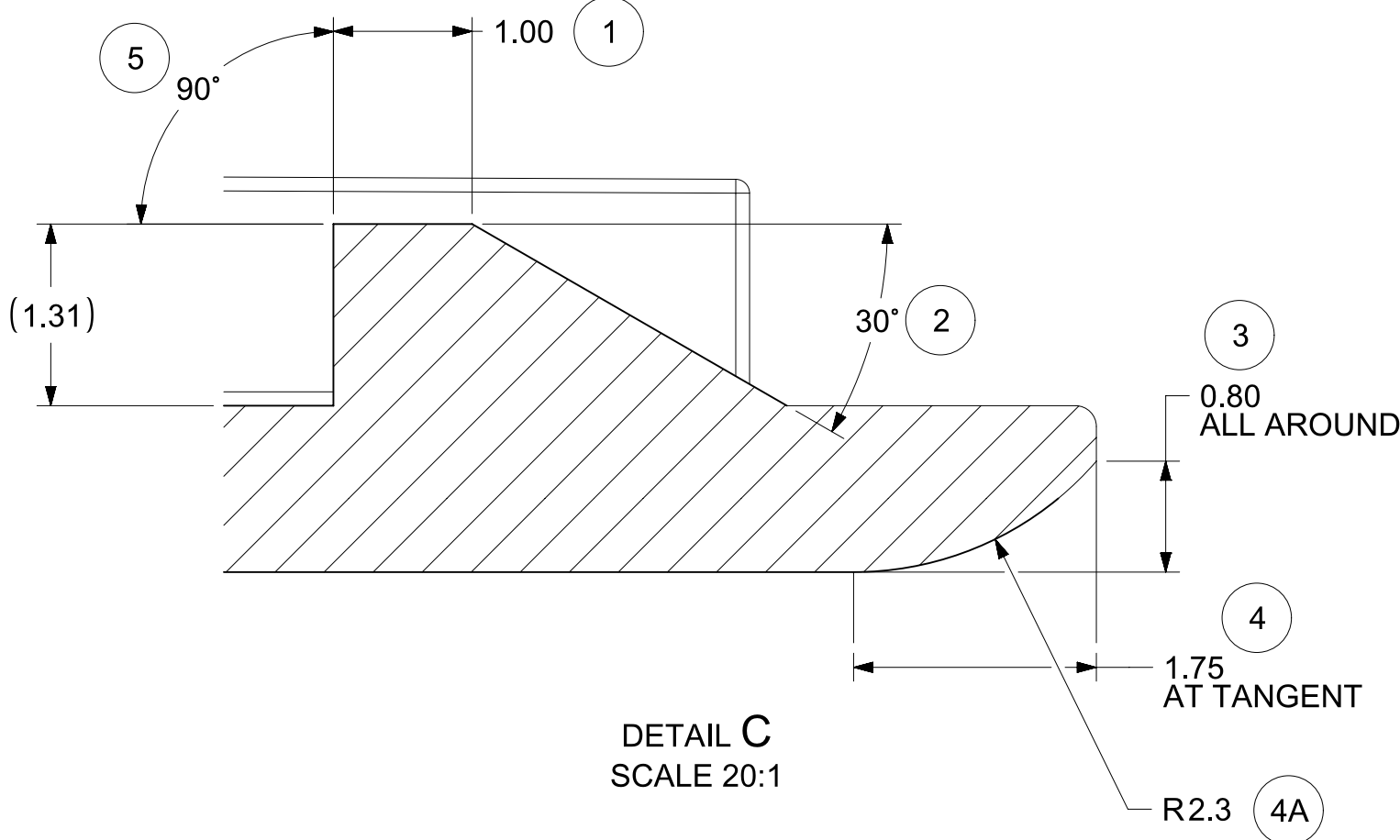
2X8



FUNCTIONAL SYMBOLS F/A = 0 F/C = 0 F/P = 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: Added Interference Ribs to 2X4			molex							
	mm		4:1												
	GENERAL TOLERANCES (UNLESS SPECIFIED)				MINI50 SEALED DUAL ROW HEADER INTERFACE										
	ANGULAR TOL ± 3.0°														
	4 PLACES		±		PHASE: Design Production CO NO: CO-000001789 DRWN: Michael Li 2022-11-23 CHK'D: Michael Li 2022-12-02 APPR: Mike Vanslambrouck 2022-12-15			PRODUCT SALES DRAWING							
	3 PLACES		±												
	2 PLACES		± 0.100		DOCUMENT NUMBER 348950800 DOC TYPE PSD DOC PART 000 REVISION B										
	1 PLACE		± 0.20												
	0 PLACES		±												
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				THIRD ANGLE PROJECTION 		DRAWING A1-SIZE		SERIES 34895		MATERIAL NUMBER SEE CHART		CUSTOMER		SHEET NUMBER 3 OF 6	

SHEET DESCRIPTION
INTERFACE DEFINITION

DESCRIPTION	CHARTED DIMENSION					
	A	B	D	E	F	G
2X4	2.70	11.30	7.75	13.10	12.40	10.40
2X8	6.30	18.50	11.35	20.30	19.60	14.00



FUNCTIONAL SYMBOLS E/A = 0 E/C = 0 E/P = 4 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: Added Interference Ribs to 2X4			molex							
	mm		5:1												
	GENERAL TOLERANCES (UNLESS SPECIFIED)							MINI50 SEALED DUAL ROW HEADER INTERFACE							
	ANGULAR TOL ± 3.0°														
	4 PLACES		±		PRODUCT SALES DRAWING										
	3 PLACES		±												
	2 PLACES		± 0.100												
	1 PLACE		± 0.20		DOCUMENT NUMBER			DOC TYPE		DOC PART		REVISION			
	0 PLACES		±												
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				THIRD ANGLE PROJECTION		DRAWING		SERIES		MATERIAL NUMBER		CUSTOMER		SHEET NUMBER	
						A1-SIZE		34895		SEE CHART				4 OF 6	

