

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:

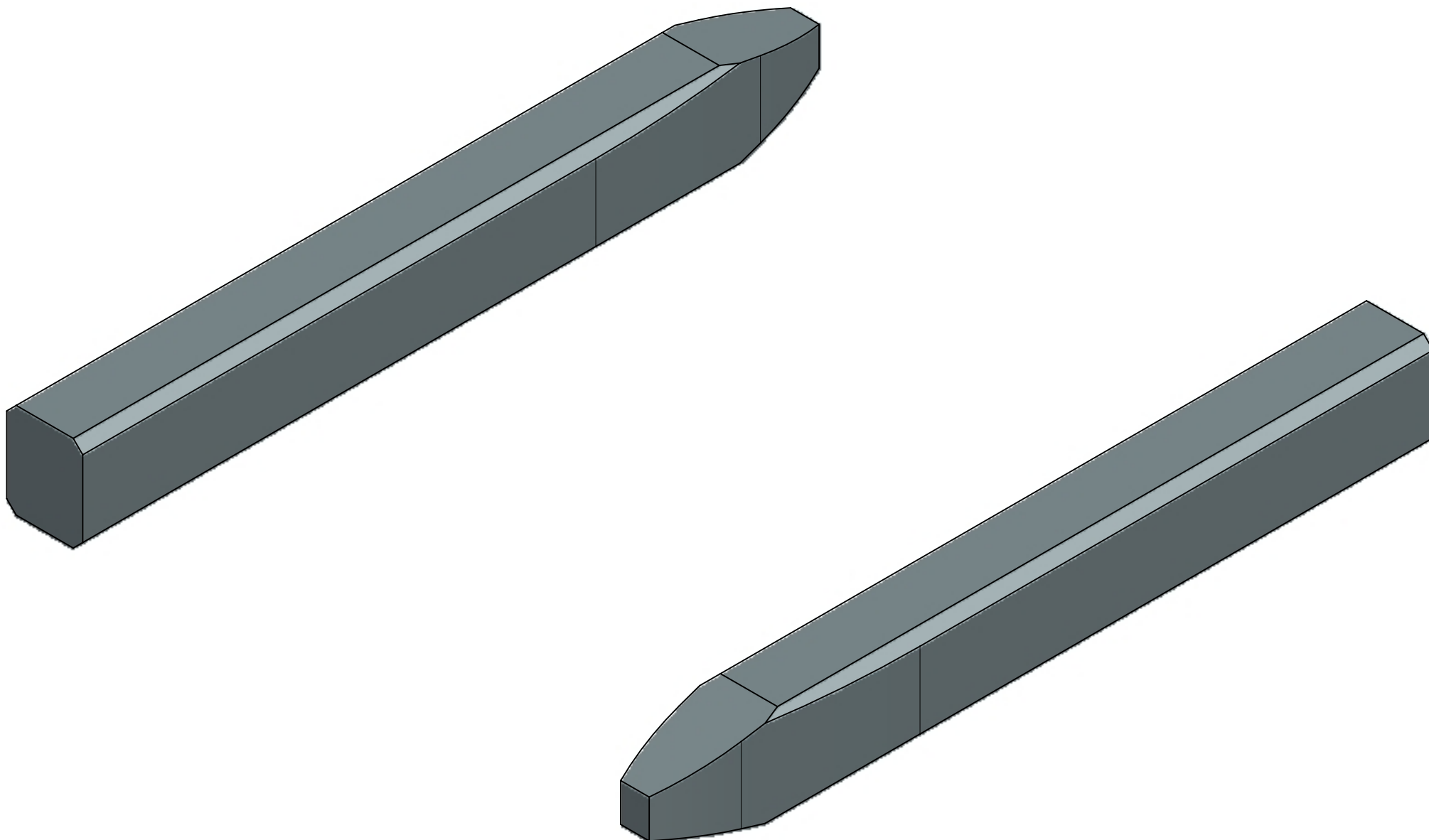
- 2.1. BASE MATERIAL TYPE : COPPER ALLOY

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.



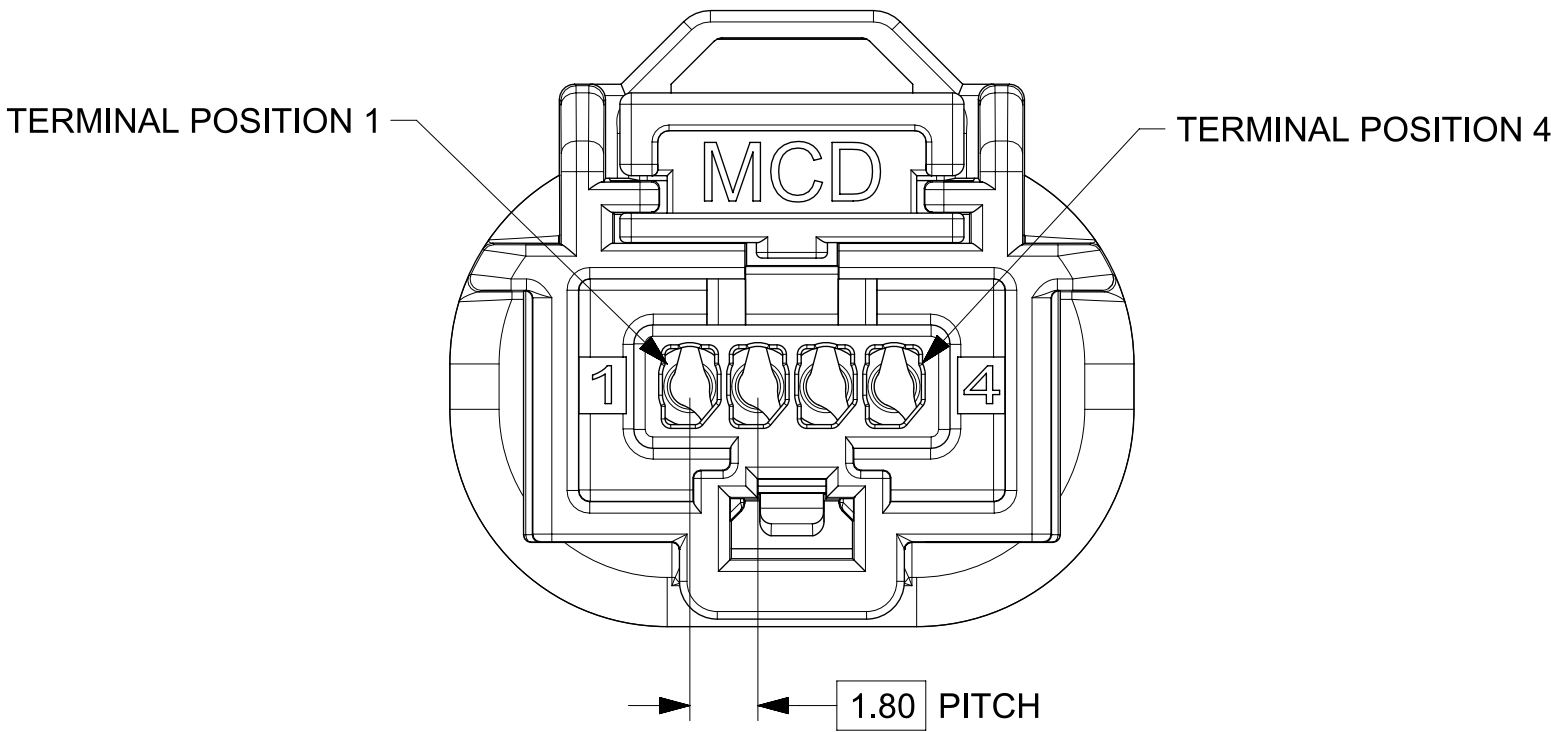
SCALE 50:1

0.5 MM PIN VIEW SHOWN FOR REPRESENTATION PURPOSES ONLY

FUNCTIONAL SYMBOLS		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION															
= 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		DESIGN STANDARD HEADER PIN & BLADE TIP GEOMETRY FOR MATING TO HARNESS TERMINALS											
		3 PLACES		± 0.0150													
		2 PLACES		± 0.050													
		1 PLACE		± 0.10		PRODUCT SALES DRAWING											
		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	
										MATERIAL NUMBER		CUSTOMER				SHEET NUMBER	
																1 OF 2	

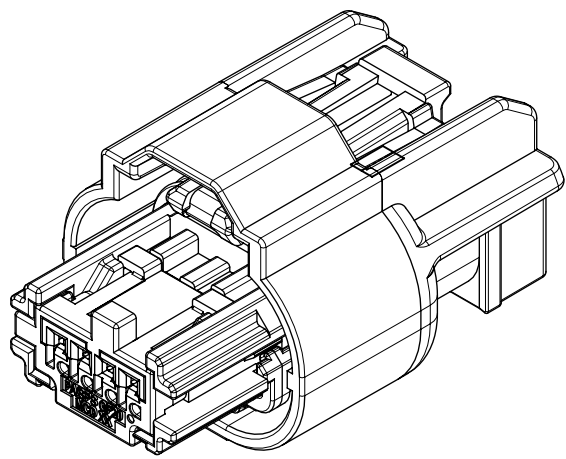
TABLE OF CONTENTS	
SHEET NO.	SHEET DESCRIPTION
1	NOTES AND BOM
2	CONFIGURATIONS
3	RECEPTACLE CONNECTOR ASSEMBLY

MATING INTERFACE CHART	
KEY	INTERFACE PART NUMBER
A	349684801
B	349684802
C	349684803
D	349684804

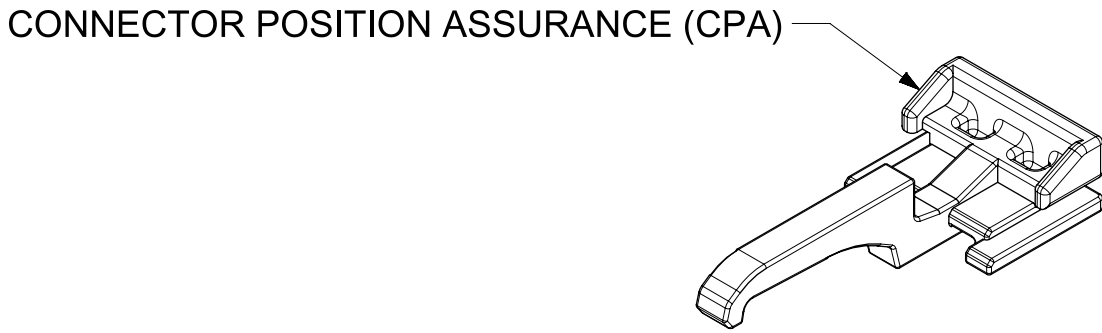


NOTES: VALID UNLESS OTHERWISE SPECIFIED

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 MATING INTERFACE CHART. SEE MOLEX DRAWING 349684800 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
4. FOR HAND CLEARANCES REQUIRED FOR MATING THE CONNECTOR, REFER TO USCAR 25-3 SECTION 8/8.2 FOR HAND PLUG CONNECTORS.



1X4



CONNECTOR HOUSING

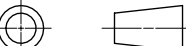
MAT SEAL

RING SEAL

TERMINAL HOUSING

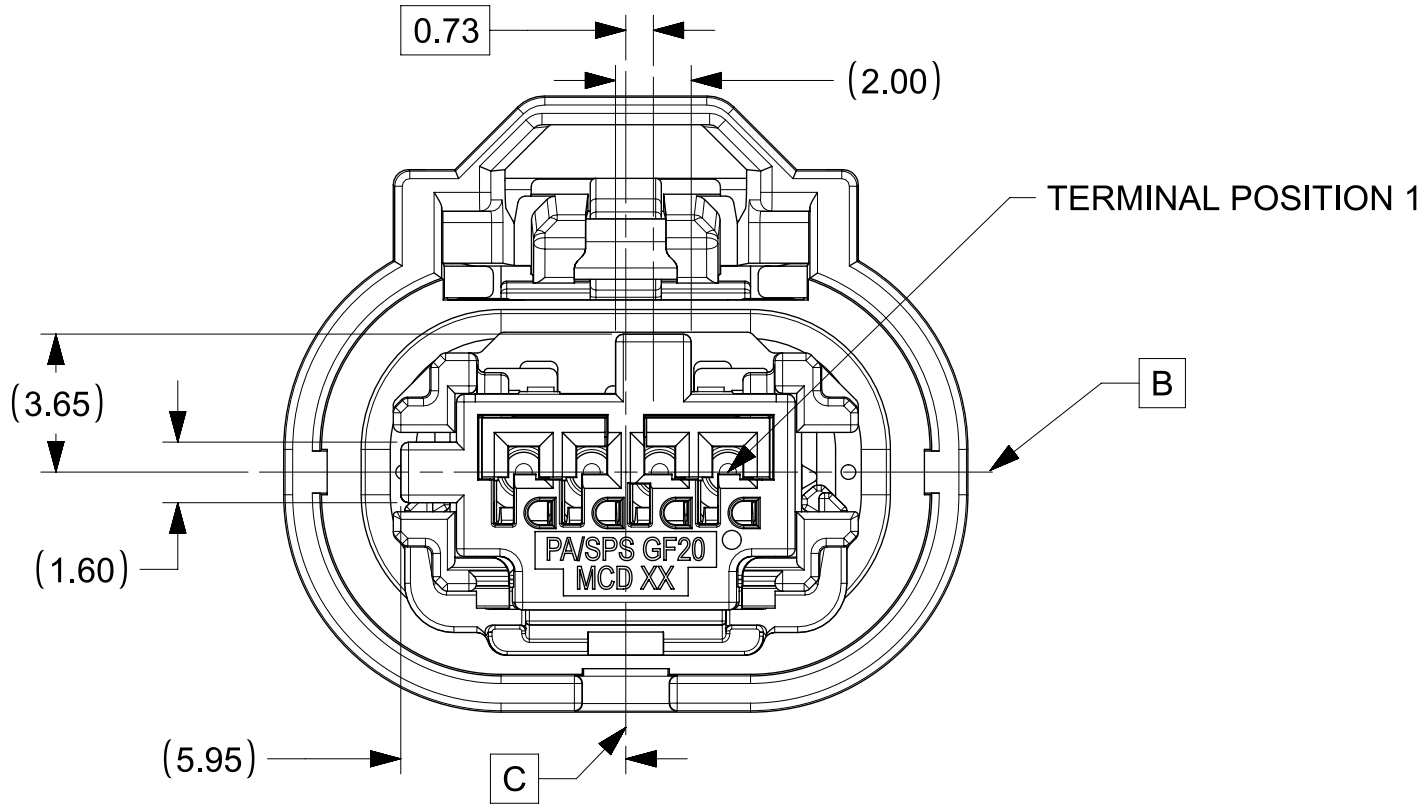
COVER

INDEPENDENT SECONDARY LOCK (ISL)

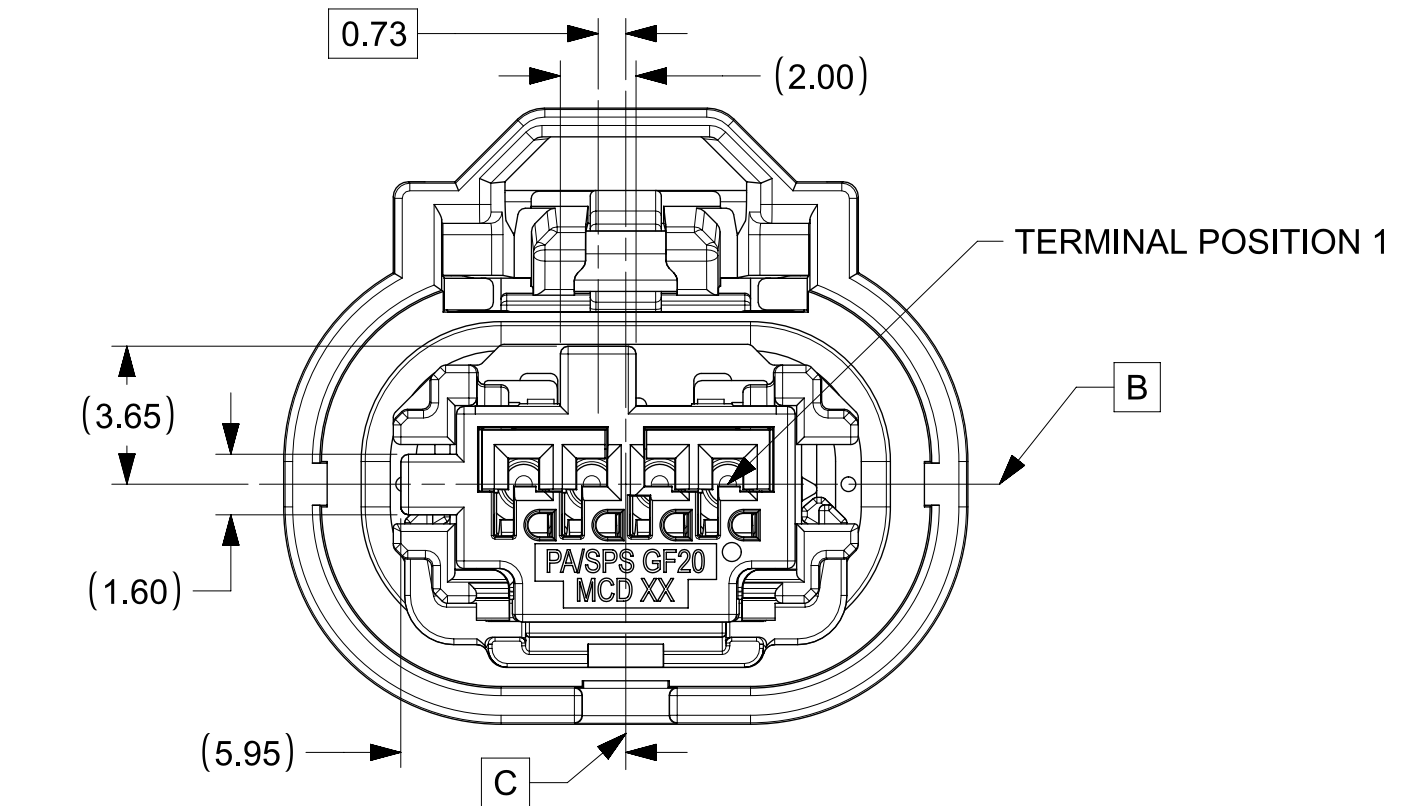
FUNCTIONAL SYMBOLS	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION														
DIVISIONAL SYMBOLS	DIMENSION UNITS		SCALE		CURRENT REV DESC: UPDATED PART NUMBER CHART TO SHOW MATING INTERFACE ONLY										
	mm		1:1		GENERAL TOLERANCES (UNLESS SPECIFIED)										
	ANGULAR TOL ± 3°														
	4 PLACES ±														
	3 PLACES ±														
	2 PLACES ± 0.100		STATUS: Design Approved				MINI50 SEALED 1X4 RCPT ASSY								
	1 PLACE ± 0.20														
	0 PLACES ±														
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION		DRAWING		SERIES		DOCUMENT NUMBER		DOC TYPE		DOC PART		REVISION	
				A1-SIZE		34967		349674000		PSD		000		E4	

SHEET DESCRIPTION

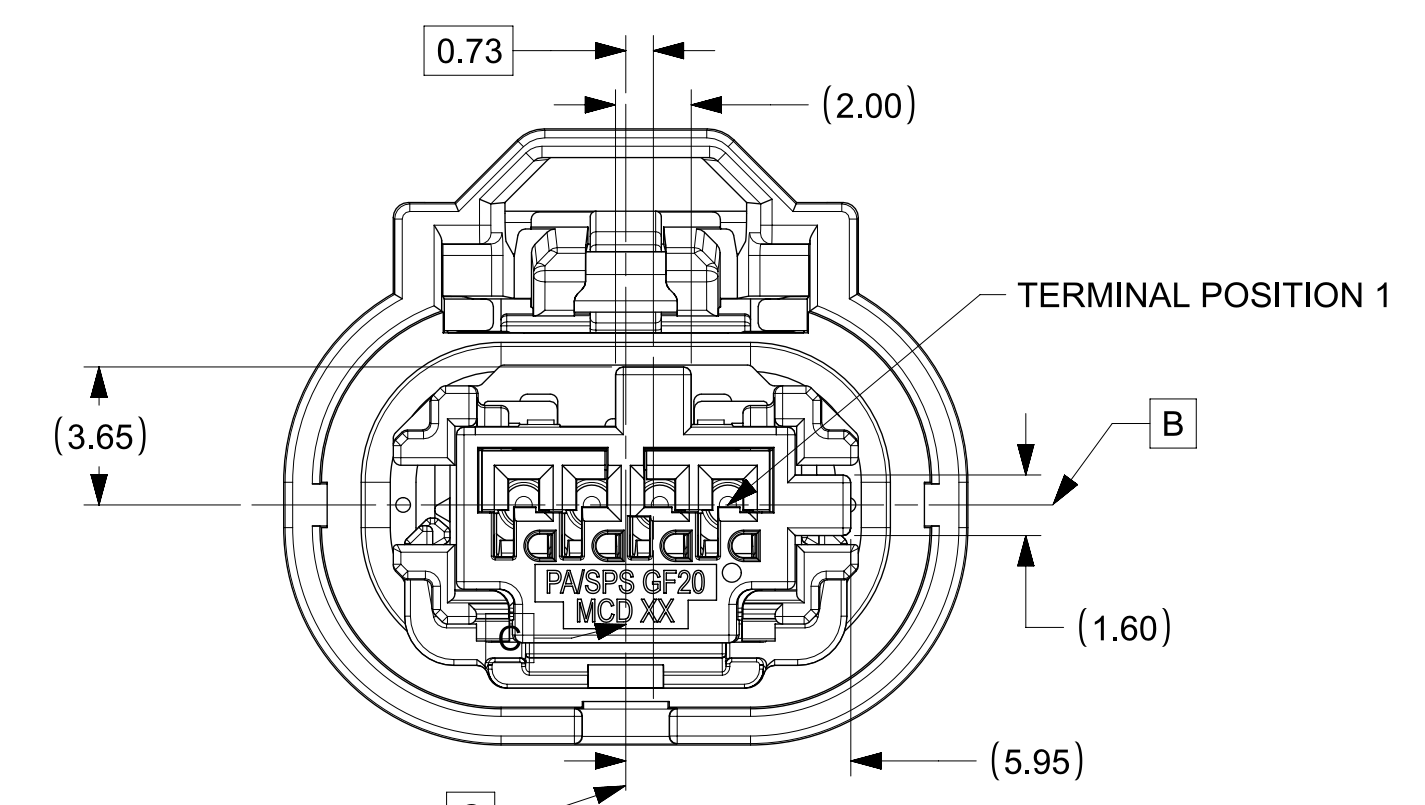
KEY CONFIGURATIONS



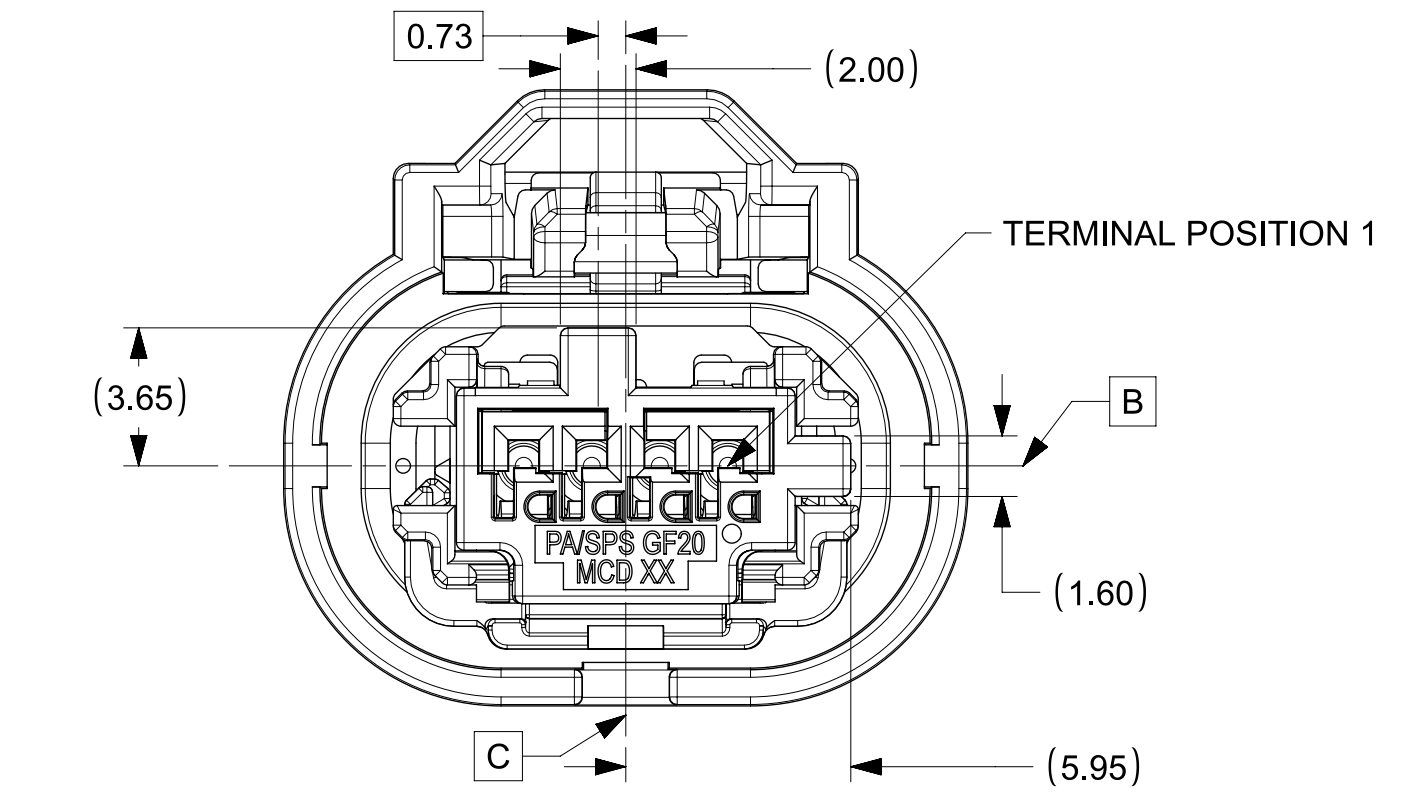
KEY A



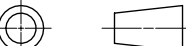
KEY B



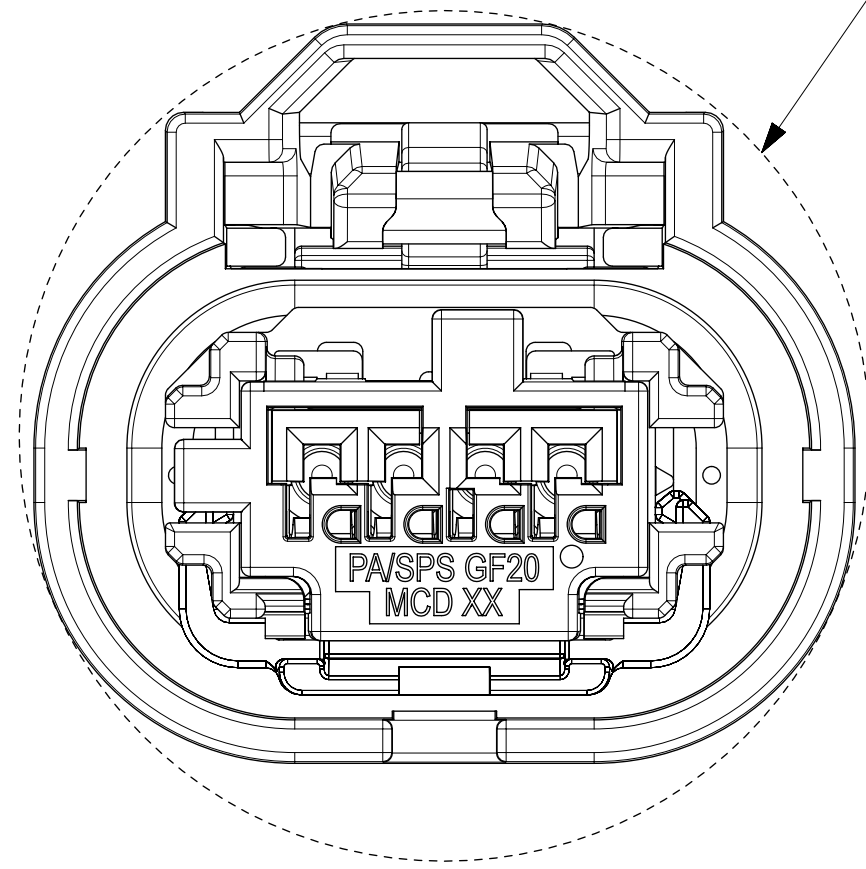
KEY C



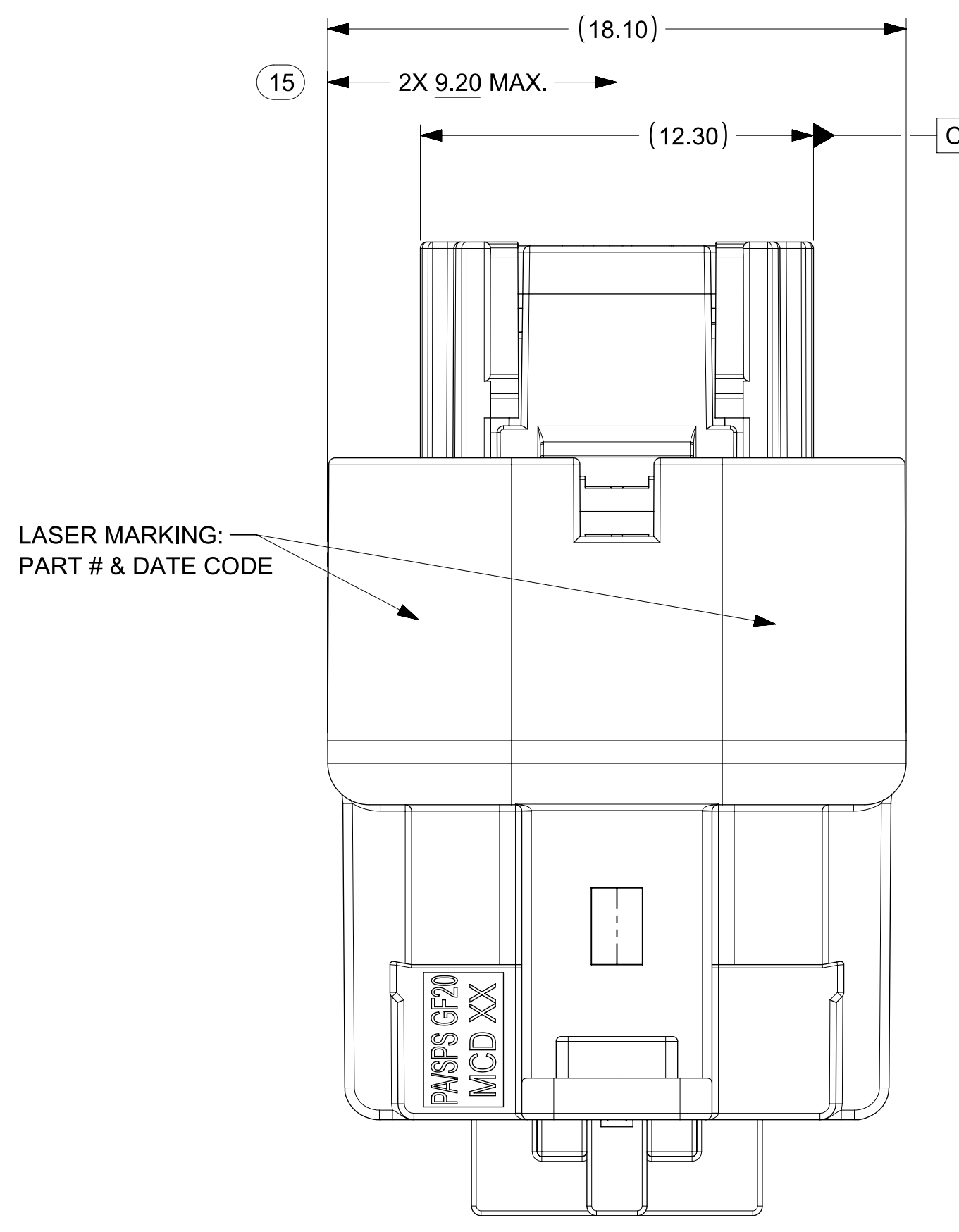
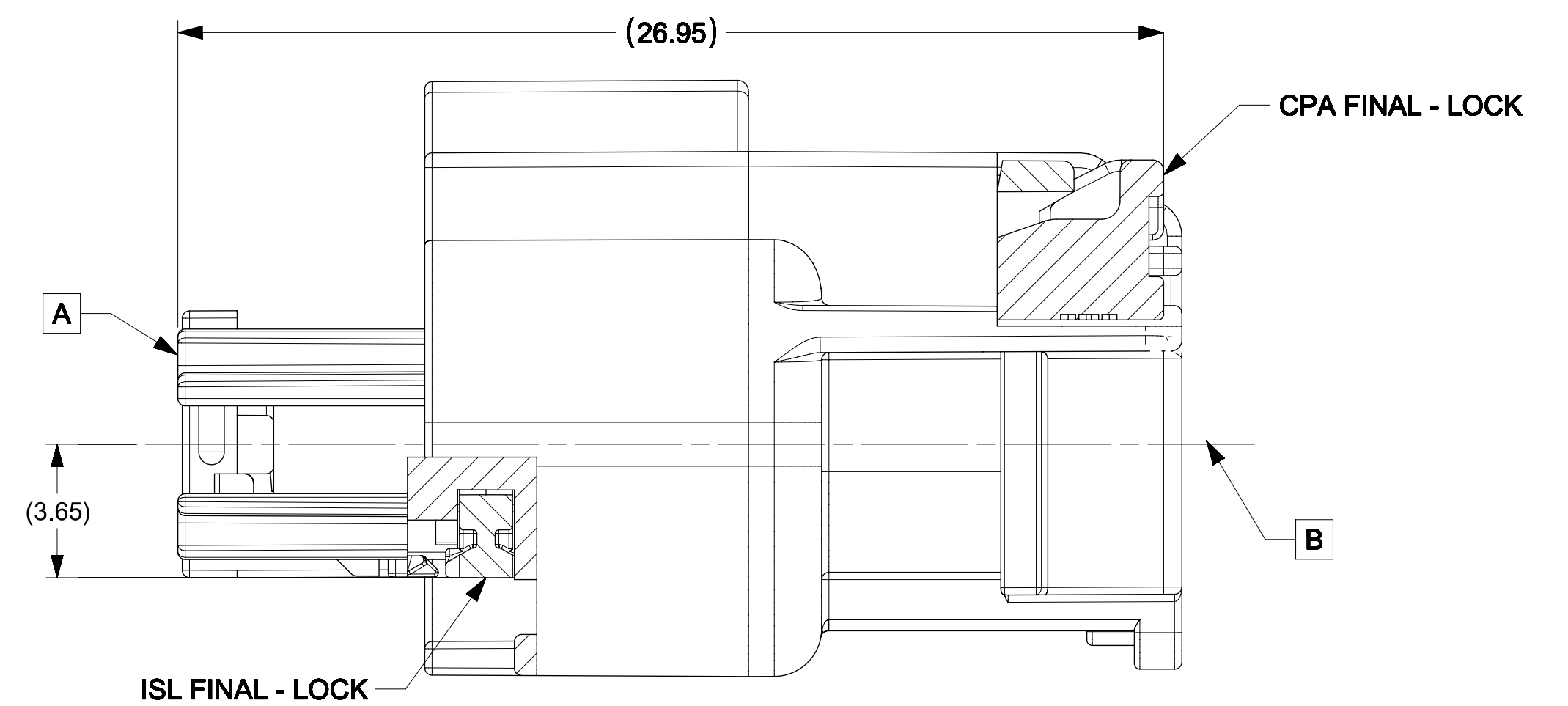
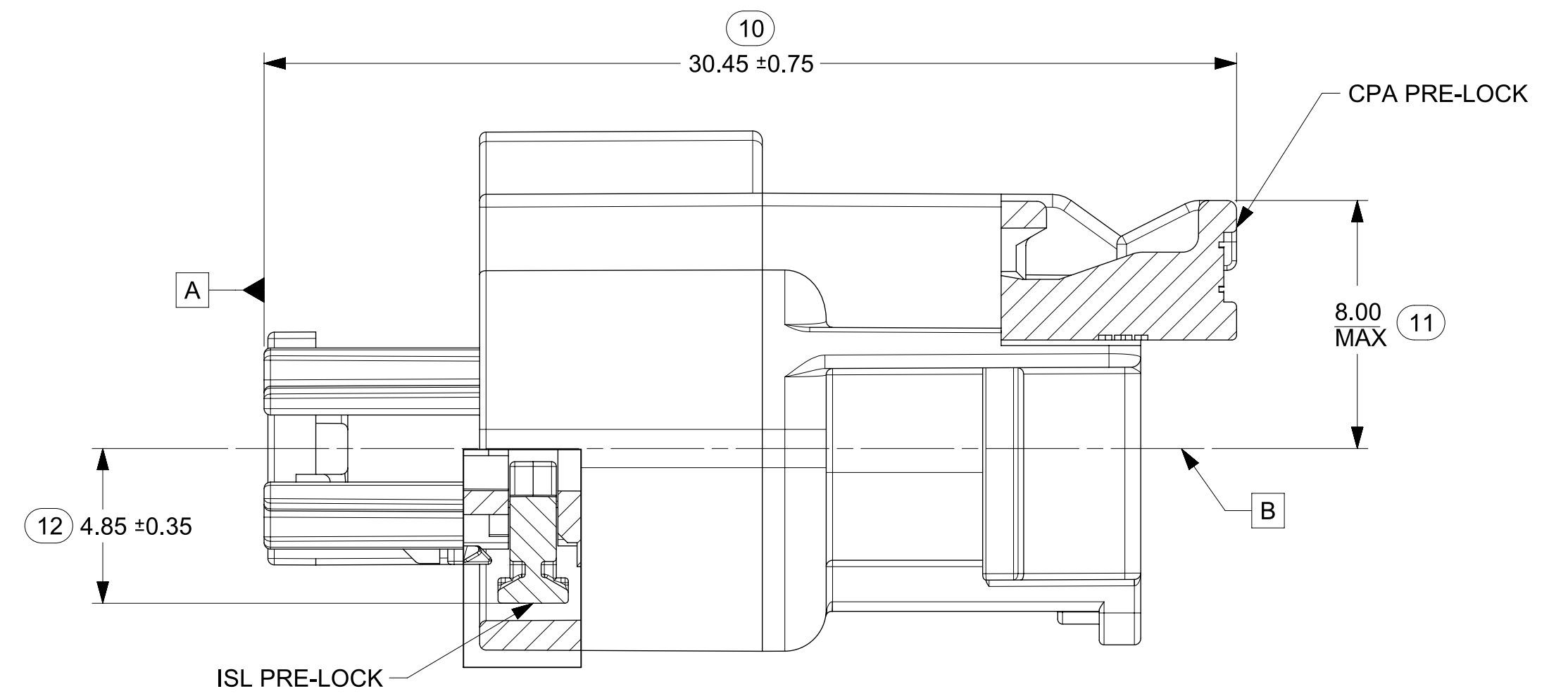
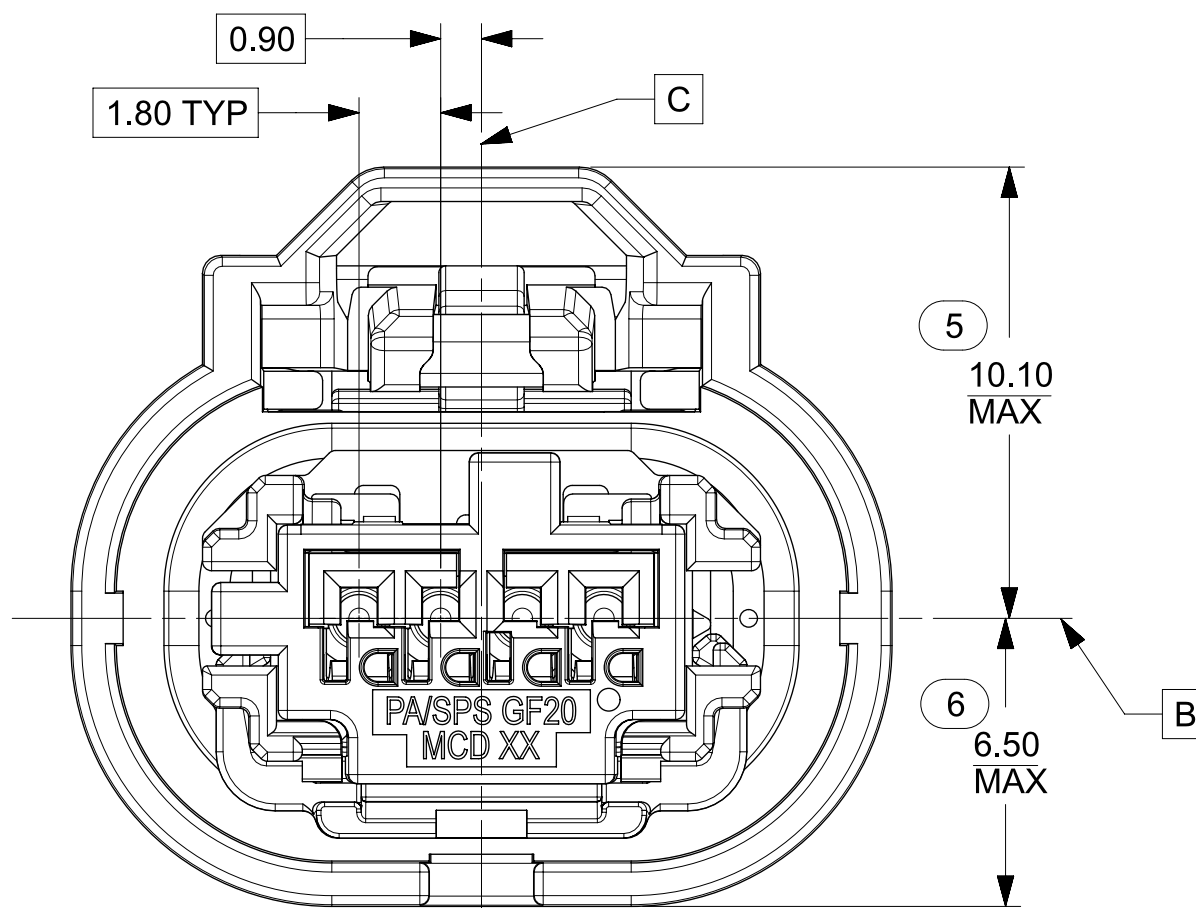
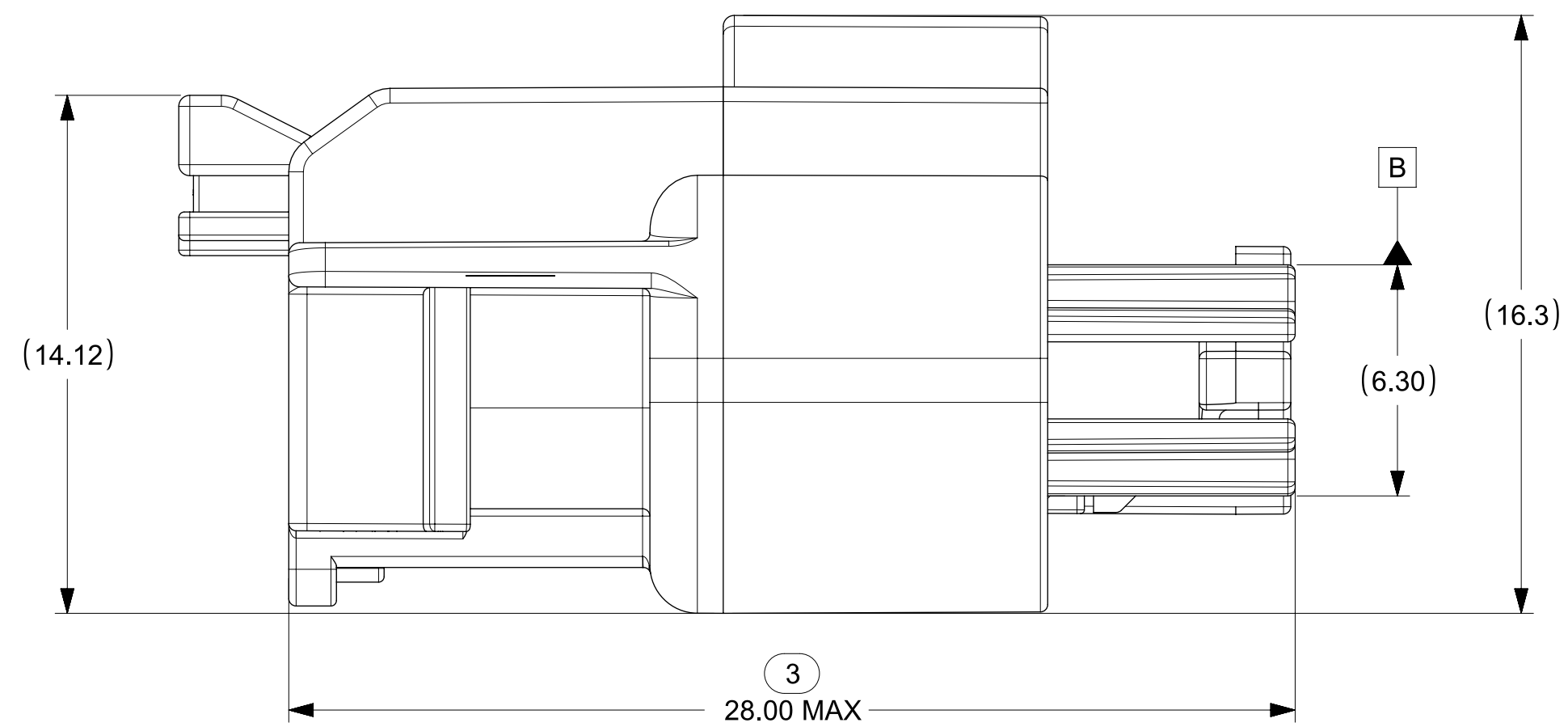
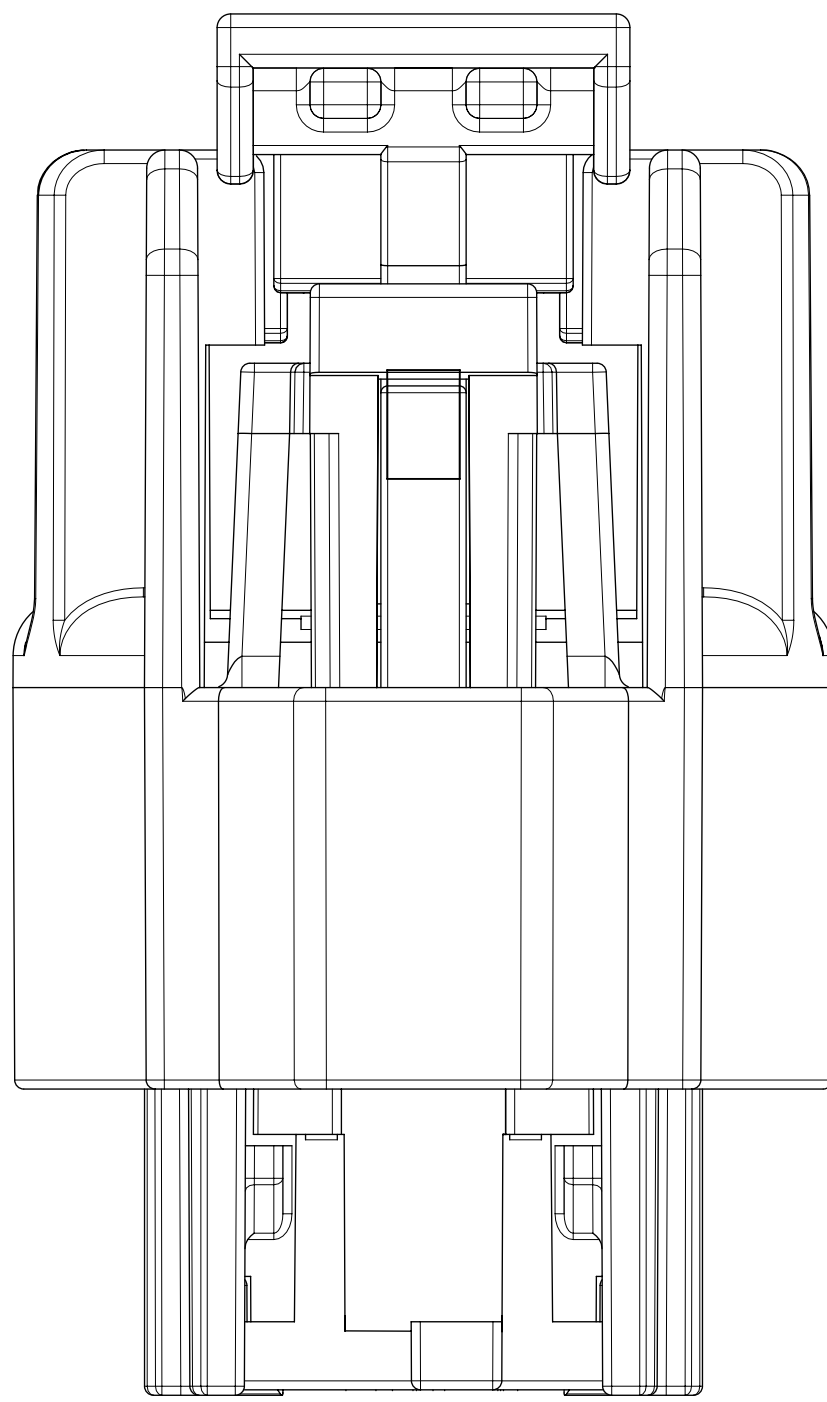
KEY D

FUNCTIONAL SYMBOLS	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION										molex MINI50 SEALED 1X4 RCPT ASSY PRODUCT SALES DRAWING												
	DIMENSION UNITS		SCALE		CURRENT REV DESC: UPDATED PART NUMBER CHART TO SHOW MATING INTERFACE ONLY										DOCUMENT NUMBER		DOC TYPE	DOC PART	REVISION				
	mm		1:1		STATUS: Design Approved DRWN: Michael Li 2023-08-28 CHK'D: Michael Li 2023-08-29 APPR: Suraj Ramani 2023-08-30										349674000				PSD	000	E4		
	GENERAL TOLERANCES (UNLESS SPECIFIED)																						
	ANGULAR TOL ± 3°																						
	4 PLACES ±																						
	3 PLACES ±																						
	DIVISIONAL SYMBOLS	2 PLACES ± 0.100																					
		1 PLACE ± 0.20																					
		0 PLACES ±																					
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION		DRAWING		SERIES		MATERIAL NUMBER		CUSTOMER		SHEET NUMBER											
				A1-SIZE		34967		SEE 349674001				2 OF 3											

RECEPTACLE CONNECTOR ASSEMBLY

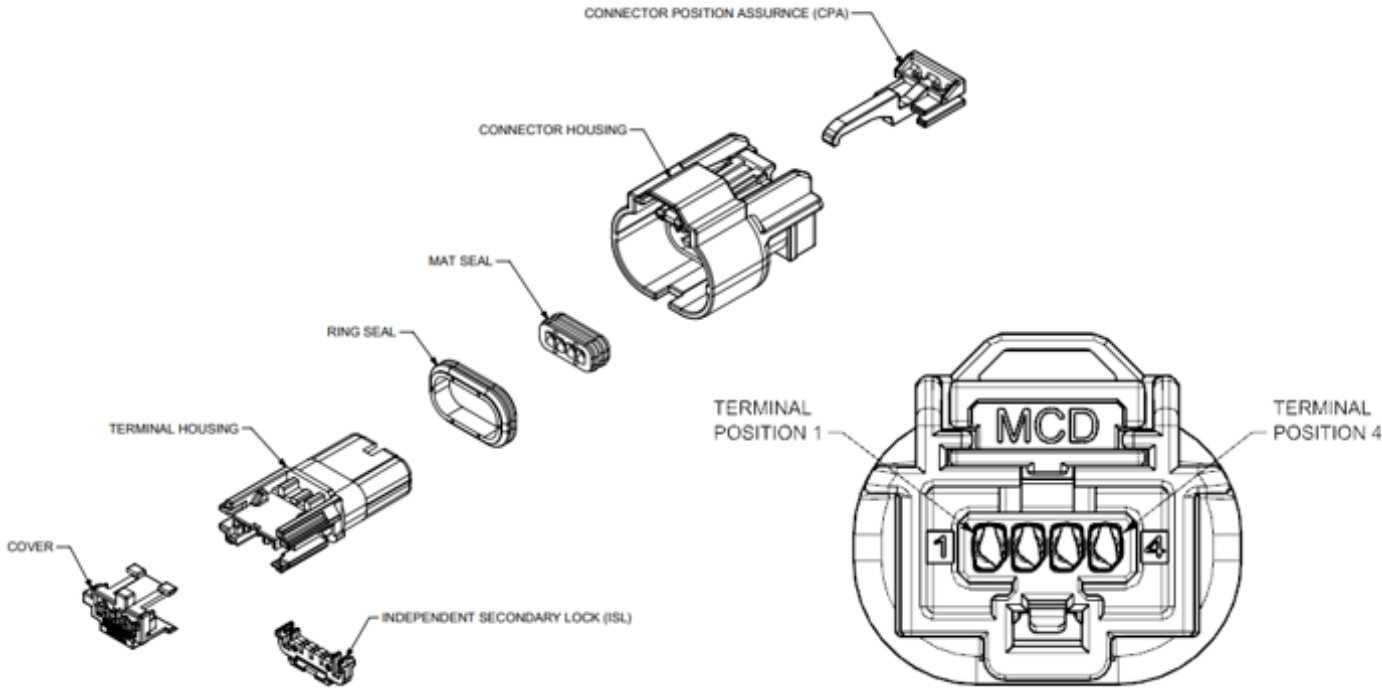


①
- Ø19.22
MIN PASS-THRU
WITH NO CLEARANCE



LASER MARKING:
PART # & DATE CODE

FUNCTIONAL 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: UPDATED PART NUMBER CHART TO SHOW MATING INTERFACE ONLY				molex									
mm		1:1															
GENERAL TOLERANCES (UNLESS SPECIFIED)																	
ANGULAR TOL		± 3°															
4 PLACES		±															
3 PLACES		±		MINI50 SEALED 1X4 RCPT ASSY													
2 PLACES		± 0.100															
1 PLACE		± 0.20															
0 PLACES		±															
DIVISIONAL SYMBOLS		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION		DRAWING		SERIES		DOCUMENT NUMBER		DOC TYPE		DOC PART		REVISION	
						A1-SIZE		34967		349674000		PSD		000		E4	
										SEE 349674001						3 OF 3	



FOR ADDITIONAL INFORMATION SEE 1x4 - 349674000/PSD

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

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 1X4 RCPT CONN KEY A CPA	349674001	A-BLACK	C-HSG-O	T-HSG	ISL	YES	M	R	-	-	-	-	SALEABLE		2130885410
MINI50 SEALED 1X4 RCPT CONN KEY B CPA	349674002	B-LIGHT GRAY	C-HSG-O	T-HSG	ISL	YES	M	R	-	-	-	-	SALEABLE		2130885410
MINI50 SEALED 1X4 RCPT CONN KEY C CPA	349674003	C-DARK GRAY	C-HSG-O	T-HSG	ISL	YES	M	R	-	-	-	-	SALEABLE		2130885410
MINI50 SEALED 1X4 RCPT CONN KEY D CPA	349674004	D-STONE GRAY	C-HSG-O	T-HSG	ISL	YES	M	R	-	-	-	-	SALEABLE		2130885410
MINI50 SEALED 1X4 RCPT CONN KEY A CPA	349674005	A-BLACK	C-HSG-O	T-HSG	ISL	NO	M	R	-	-	-	-	SALEABLE		2130885410
MINI50 SEALED 1X4 RCPT CONN KEY B CPA	349674006	B-LIGHT GRAY	C-HSG-O	T-HSG	ISL	NO	M	R	-	-	-	-	SALEABLE		2130885410
MINI50 SEALED 1X4 RCPT CONN KEY C CPA	349674007	C-DARK GRAY	C-HSG-O	T-HSG	ISL	NO	M	R	-	-	-	-	SALEABLE		2130885410
MINI50 SEALED 1X4 RCPT CONN KEY D CPA	349674008	D-STONE GRAY	C-HSG-O	T-HSG	ISL	NO	M	R	-	-	-	-	SALEABLE		2130885410
MINI50 SEALED 1X4 RCPT CONN KEY A CPA/1	349674021	A-BLACK	C-HSG-P	T-HSG	ISL	YES	M	R	-	2	-	-	SALEABLE		2130885410
MINI50 SEALED 1X4 RCPT CONN KEY A CPA/1	349674025	A-BLACK	C-HSG-P	T-HSG	ISL	NO	M	R	-	2	-	-	SALEABLE		2130885410

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 1X4 RCPT CONN KEY A CPA/2	349674051	A-BLACK	C-HSG-P	T-HSG	ISL	YES	M	R	1	2	-	-	SALEABLE		2130885410
MINI50 SEALED 1X4 RCPT CON KEY A/2	349674052	A-BLACK	C-HSG-P	T-HSG	ISL	NO	M	R	1	2	-	-	SALEABLE		2130885410
MINI50 SEALED 1X4 RCPT CON KEY A CPA/2	349674053	A-BLACK	C-HSG-P	T-HSG	ISL	YES	M	R	-	-	3	4	SALEABLE		2130885410

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

MATING INTERFACE CHART			
DESCRIPTION	COLOR	MODEL NUMBER	KEY
1x4, KEY A, BLACK	BLACK	349684801	A
1x4, KEY B, LIGHT GRAY	LIGHT GRAY	349684802	B
1x4, KEY C, DARK GRAY	DARK GRAY	349684803	C
1x4, KEY D, STONE GRAY	STONE GRAY	349684804	D

NOTES: VALID UNLESS OTHERWISE SPECIFIED

1. GENERAL:

REFER TO "SAE/USCAR 12 CONNECTOR GUIDELINES" AND "SAE/USCAR 2 PERFORMANCE SPECIFICATION FOR AUTOMOTIVE ELECTRICAL CONNECTOR SYSTEMS" FOR ADDITIONAL REQUIREMENTS.

2. DESIGN - MATERIALS:

- a. HOUSING: SPS/NYLON 20% GLASS FILLED OR EQUIVALENT
FLAMMABILITY REQUIREMENT: PER ISO3795 OR GM3191
1. BURN RATE 100mm/MIN MAXIMUM
2. MATERIAL MUST BE SELF EXTINGUISHING
- b. BLADE TERMINAL: SEE MOLEX SALES DRAWING 347350050. FOR MATERIAL, DIMENSIONAL, PLATING AND COATING REQUIREMENTS AND ANY BLADE TERMINAL DESIGN INFORMATION NOT SHOWN ON REFERENCED OR THIS DRAWING SEE EWCAP DWG NO. EWCAP-001.
1. TIN PLATING: 2.5-4.0 MICROMETERS MATTE TIN OVER 1.25-2.25 MICROMETERS DUCTILE SULFAMATE NICKEL
2. SILVER PLATING: 1.9-3.3 MICROMETERS SILVER OVER 1.0-1.8 MICROMETERS DUCTILE SULFAMATE NICKEL.
ANTI-TARNISH: SYNTHETIC HYDROCARBON CONTACT SURFACE FINISH OR EQUIVALENT APPLIED WITHOUT VOID TO CONTACT AREA

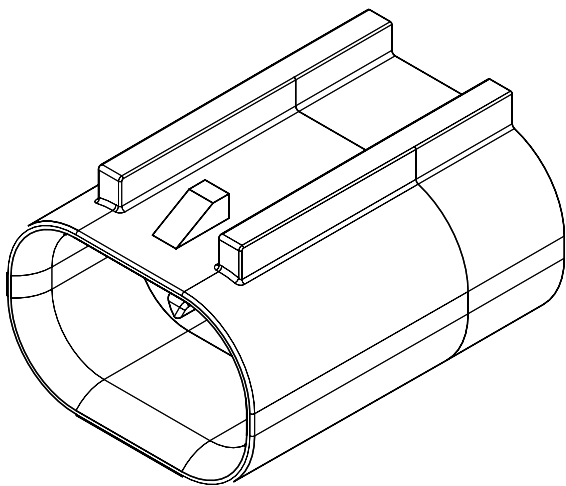
- c. STANDARD COLORS FOR KEYING (SEE CHART). DEVATION REQUIRES APPROVAL OF AUTHORIZED PERSON.

3. DESIGN - GEOMETRY:

- a. THE 3-D CAD DATA IS BASIC (WITHOUT TOLERANCE) AND THE MASTER FOR THIS PART WITH THE EXCEPTION OF UNDERLINED DIMENSIONS. DIMENSIONAL INFORMATION NOT SHOWN IN THIS DRAWING IS DEFINED BY THE DATA FILE AT ITS LATEST REVISION.
- b. PRODUCT DESIGN MODEL NUMBER(S): SEE MATING INTERFACE CHART
- c. GEOMETRIC DIMENSIONS AND TOLERANCES PER ASME Y14.5M - 2009
- d. GENERAL TOLERANCES: SEE TITLE BLOCK
- e. EDGES AND UNDIMENSIONED DETAILS PER ISO13715
- f. CORNERS SHOWN AS SHARP TO BE R 0.2 MAX.
- g. 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.
(FOR SMALL PARTS: LETTERING SHALL BE 0.10 MAX RAISED IN 0.15 MAX RECESS PAD)

4. DESIGN - MANUFACTURING:

- a. ALLOWABLE FLASH MAX 0.20 HIGH BY MAX 0.13 THICK.
- b. ALLOWABLE SPLIT/PARTING LINE MISMATCH 0.2 MAX.
- c. EJECTOR PIN MARKS TO BE FLUSH TO 0.25 MAX DEPRESSED. LOCATION MUST BE APPROVED BY PRODUCT ENGINEERING. EJECTOR PIN MARKS NOT PERMISSIBLE ON OR NEAR DATUM TARGET AREA.
- d. ALLOWABLE GATE VESTIGE FLUSH TO 0.25 MAX RECESS. LOCATION MUST BE APPROVED BY PRODUCT ENGINEERING.
- e. NO EXTERNAL MOLD RELEASE AGENT ALLOWED DURING MANUFACTURING.
- f. NO PARTING LINES, MISMATCHES OR EJECTOR MARKS PERMISSIBLE WITHIN THE INDICATED SURFACE. TOOLING FOR INDICATED SURFACE MUST BE PROCESSED TO A SURFACE FINISH OF NTMA #70 (400 PAPER).
- g. BLADE TERMINAL ENVIRONMENTAL BARRIER (USED WITH SILVER PLATED TERMINALS) SHALL NOT BE PRESENT ON ANY SURFACE OTHER THAN THE BLADE TERMINALS
- h. NO PARTING LINES, FLASH, MISMATCHES OR EJECTOR MARKS PERMISSIBLE ON THE INDICATED NOSE SURFACE OR TRANSITION TO INTERNAL SHROUD SURFACE.



1X4

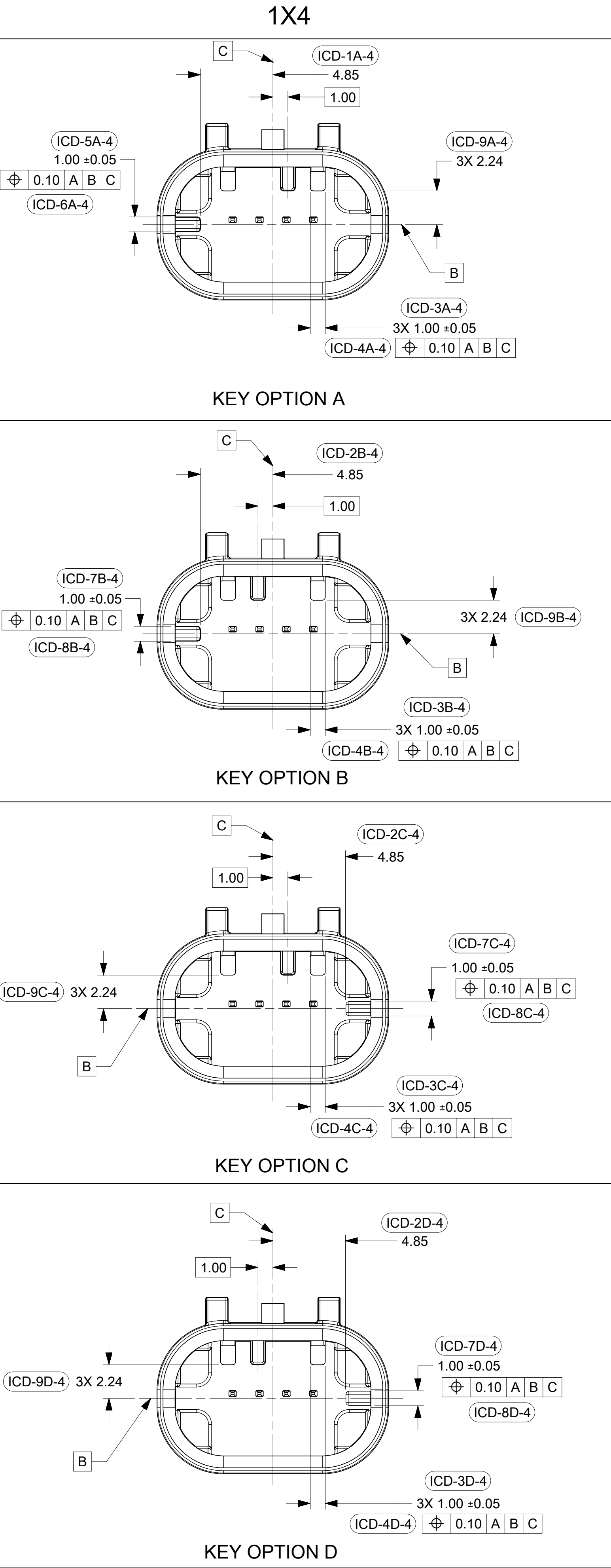
INSPECTION NUMBER LOG	
LAST NUMBER: ICD-30	
ADDED:	
REMOVED: ICD-27A	

C4	REMOVED ICD-27A. CHANGED ICD-12 AND ICD-28
C3	ADDED SEE NOTE 2b TO PIN DETAILS, SHEET 3
C2	REMOVED SUBJECT TO CHANGE NOTE
C1	REVISED NOTES. SIMPLIFIED DIMENSIONING. REMOVED ICD-17, 19, 29, 31. ADDED ICD-3A, 7A, 8A, 9A, 27A. ADDED FP TO 12, 13, 16.
C	GEOMETRY CHANGES
REV	REV DESCRIPTION

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	1:1						
	= 0			4 PLACES	±	MNS02						2016/04/21	
	= 0			3 PLACES	±	CHK'D BY		DATE		MINI50 SEALED 1X4 INTERFACE			
	= 0			2 PLACES	± 0.1	APPR BY		DATE					
	= 0			1 PLACE	± 0.2	KDEKOSKI		2016/05/04					
	= 0			0 PLACES	±	DRAWING SIZE		THIRD ANGLE PROJECTION		PRODUCT CUSTOMER DRAWING			
	= 0			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		A1							
	= 0	C4	REV										
				SERIES	MATERIAL NUMBER		CUSTOMER						
				34968	SEE CHART								
				DOCUMENT NUMBER		DOC TYPE	DOC PART	SHEET NUMBER					
				349684800		PSD	000	1 OF 4					

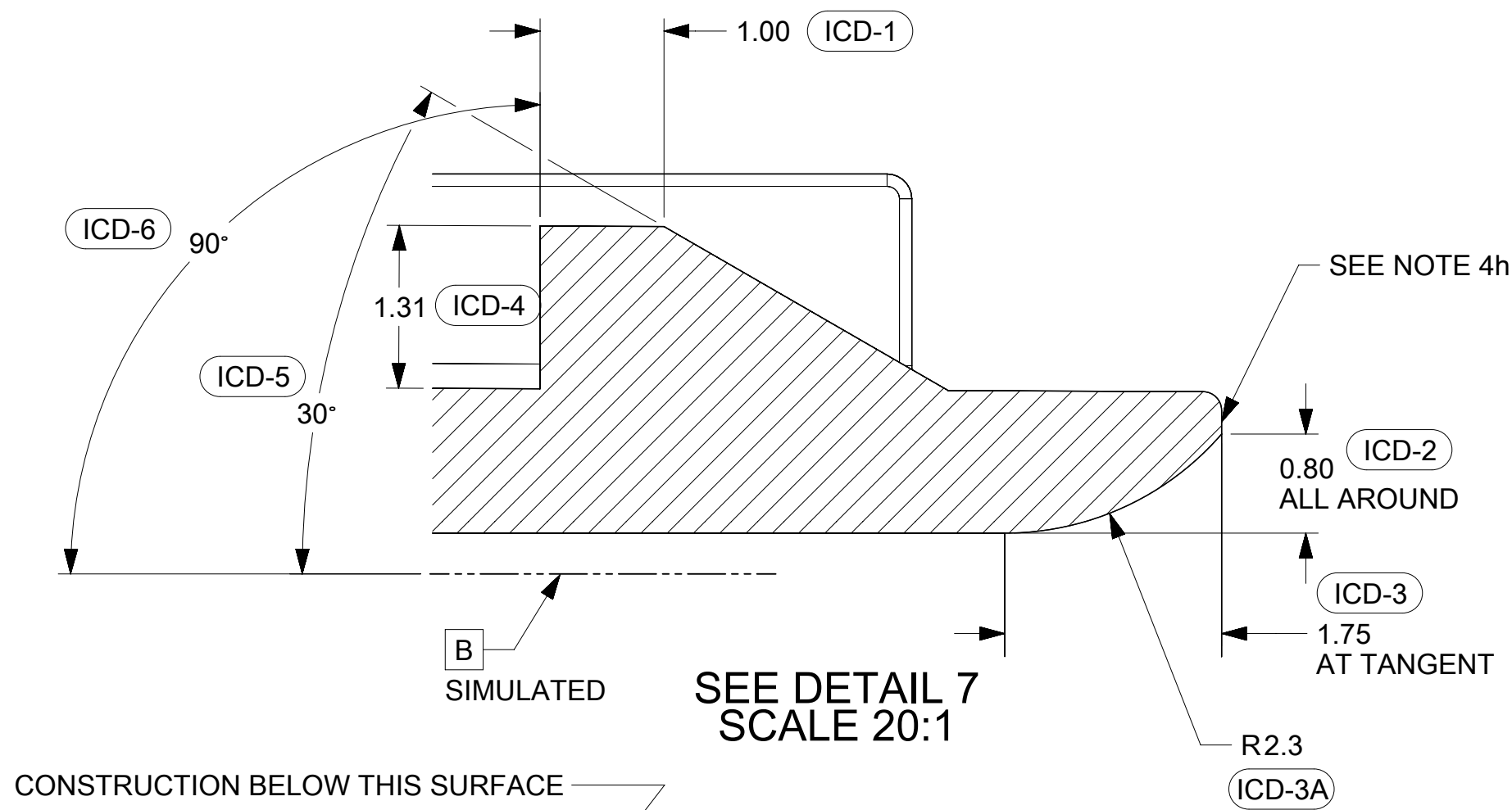
SHEET DESCRIPTION

KEY CONFIGURATIONS

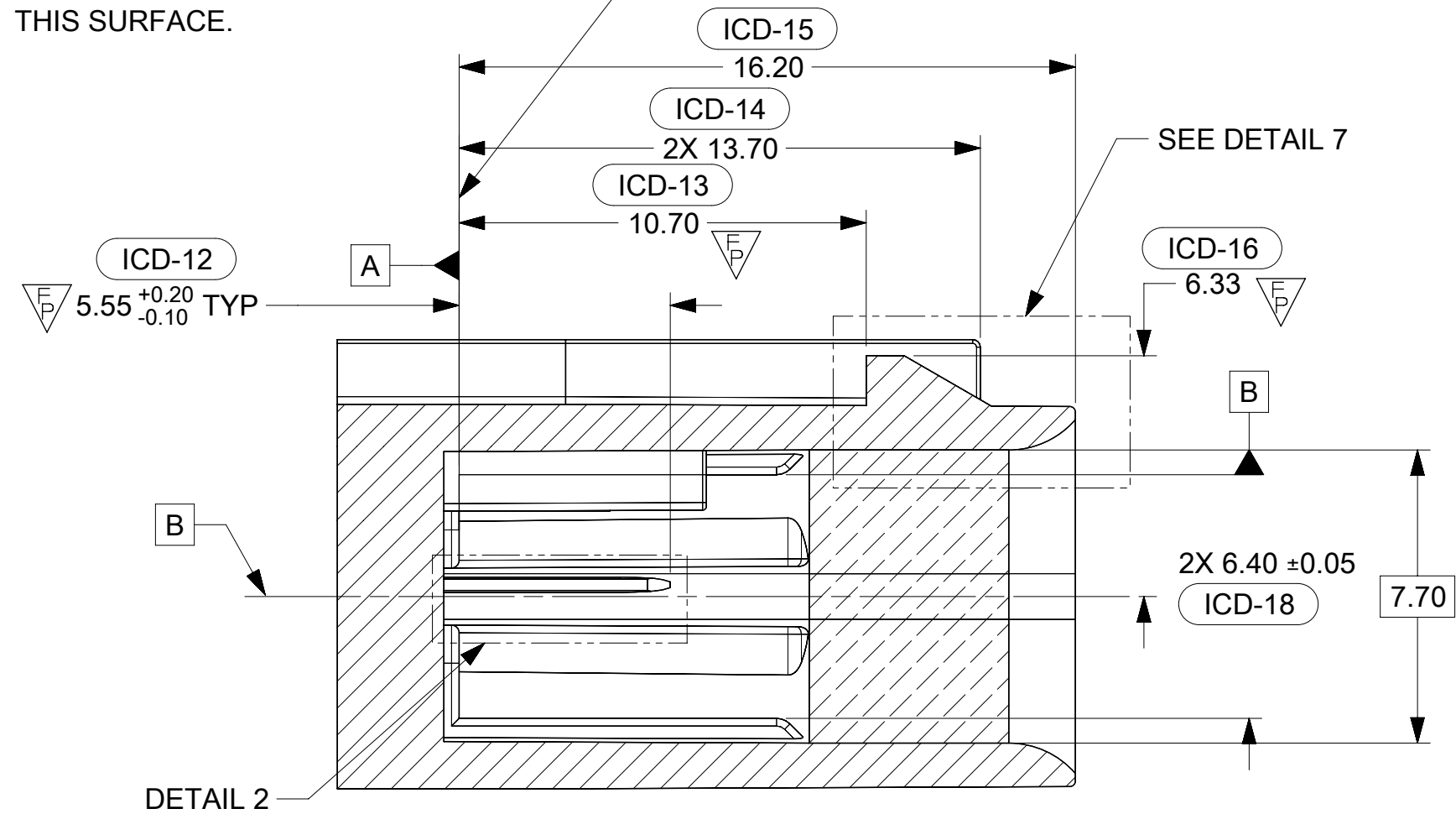


QUALITY SYMBOLS		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION												
	EC NO: 659036 DRWN: ML149 CHKD: JCONDON REV: APPR: JCONDON	2021/02/26 2021/03/24 2021/03/24	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION UNITS		SCALE		molex® MINI50 SEALED 1X4 INTERFACE PRODUCT CUSTOMER DRAWING					
			ANGULAR TOL ± 3.0 °		mm		1:1							
			4 PLACES	±	MNS02		2016/04/21							
			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		SERIES	MATERIAL NUMBER		CUSTOMER		
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		A1				34968	SEE CHART				
									DOCUMENT NUMBER		DOC TYPE	DOC PART	SHEET NUMBER	
			C4		6		5		349684800		PSD	000	2 OF 4	
RELEASE STATUS		P1		RELEASE DATE		2021/03/24		15:08:42						

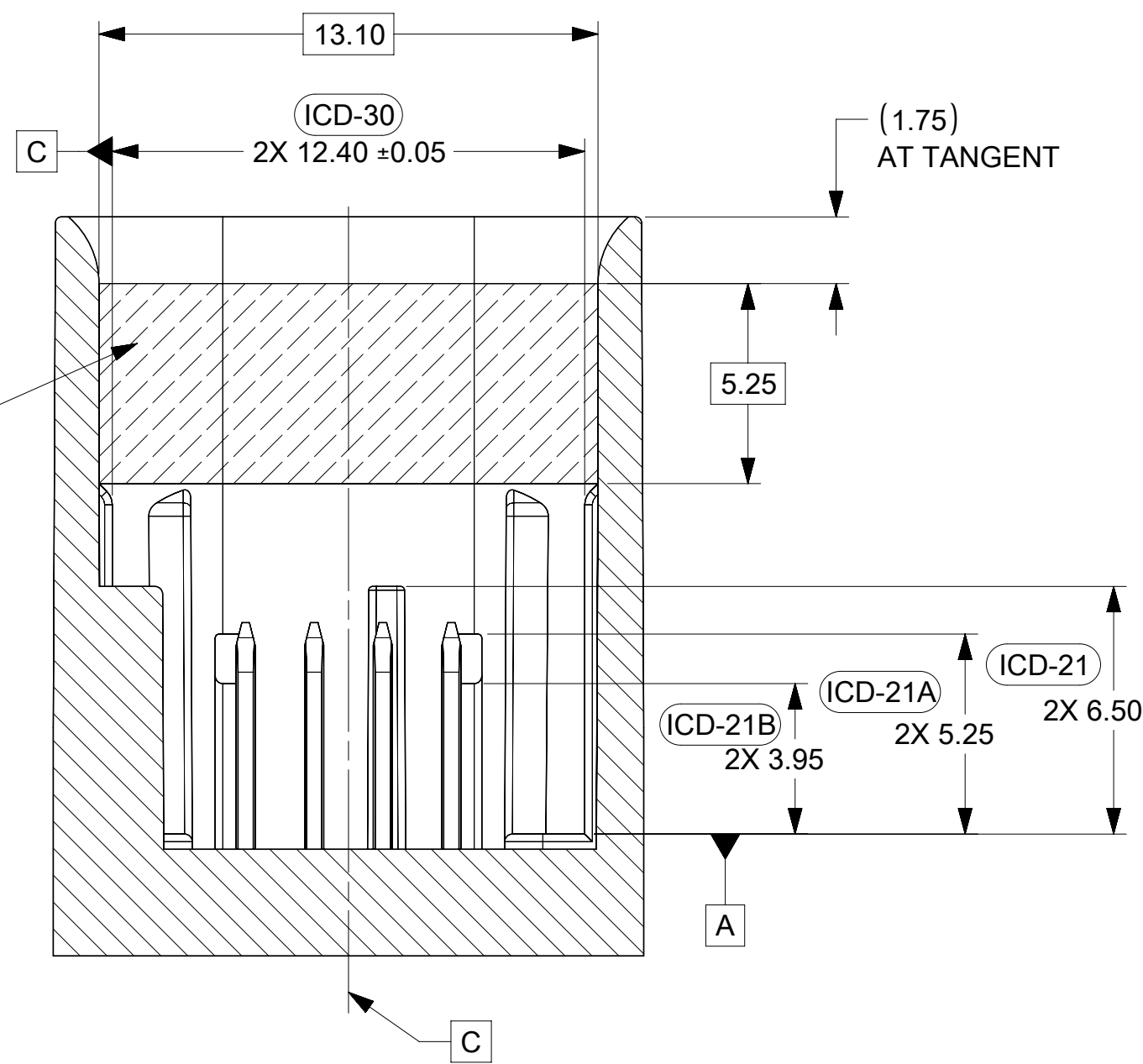
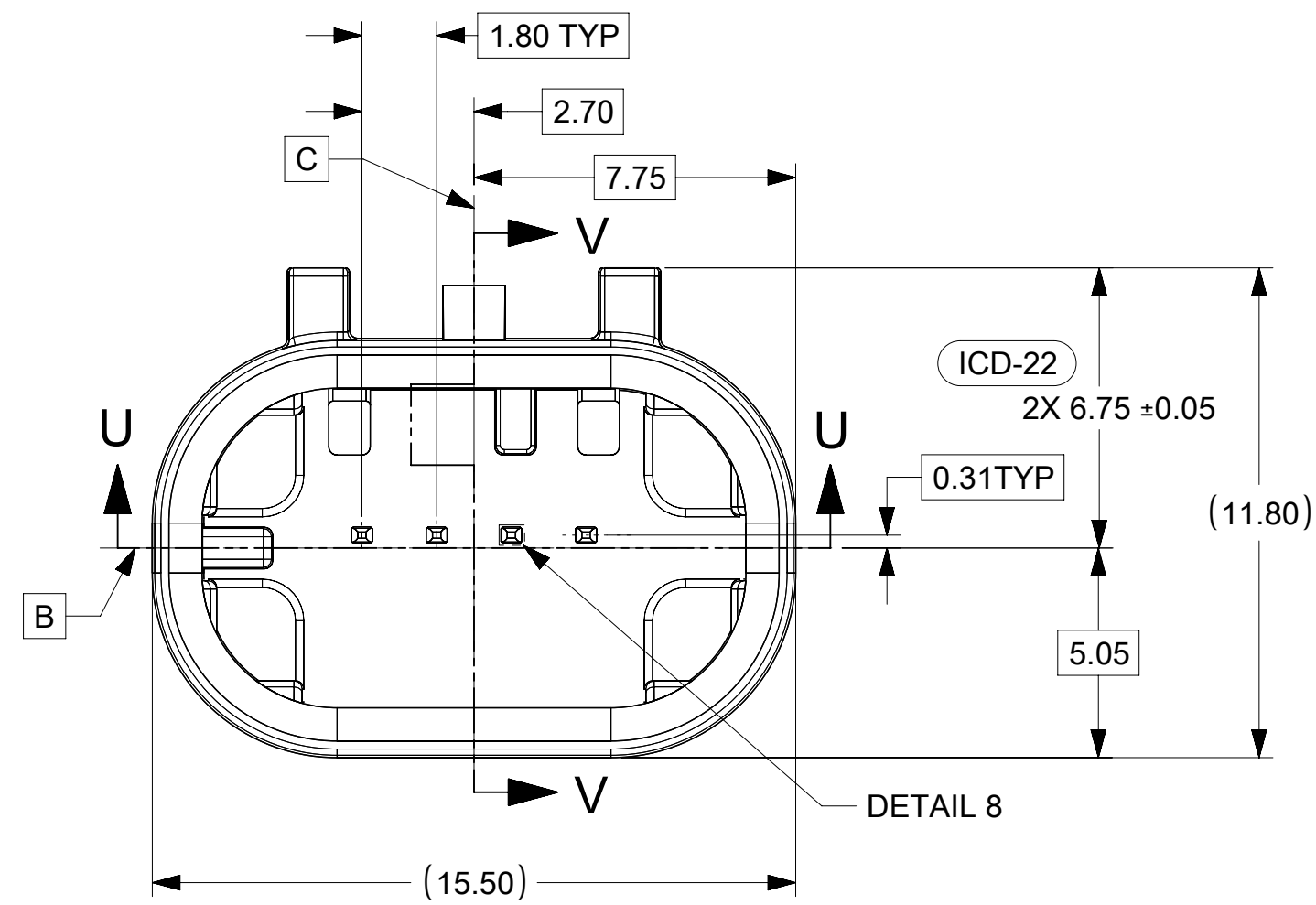
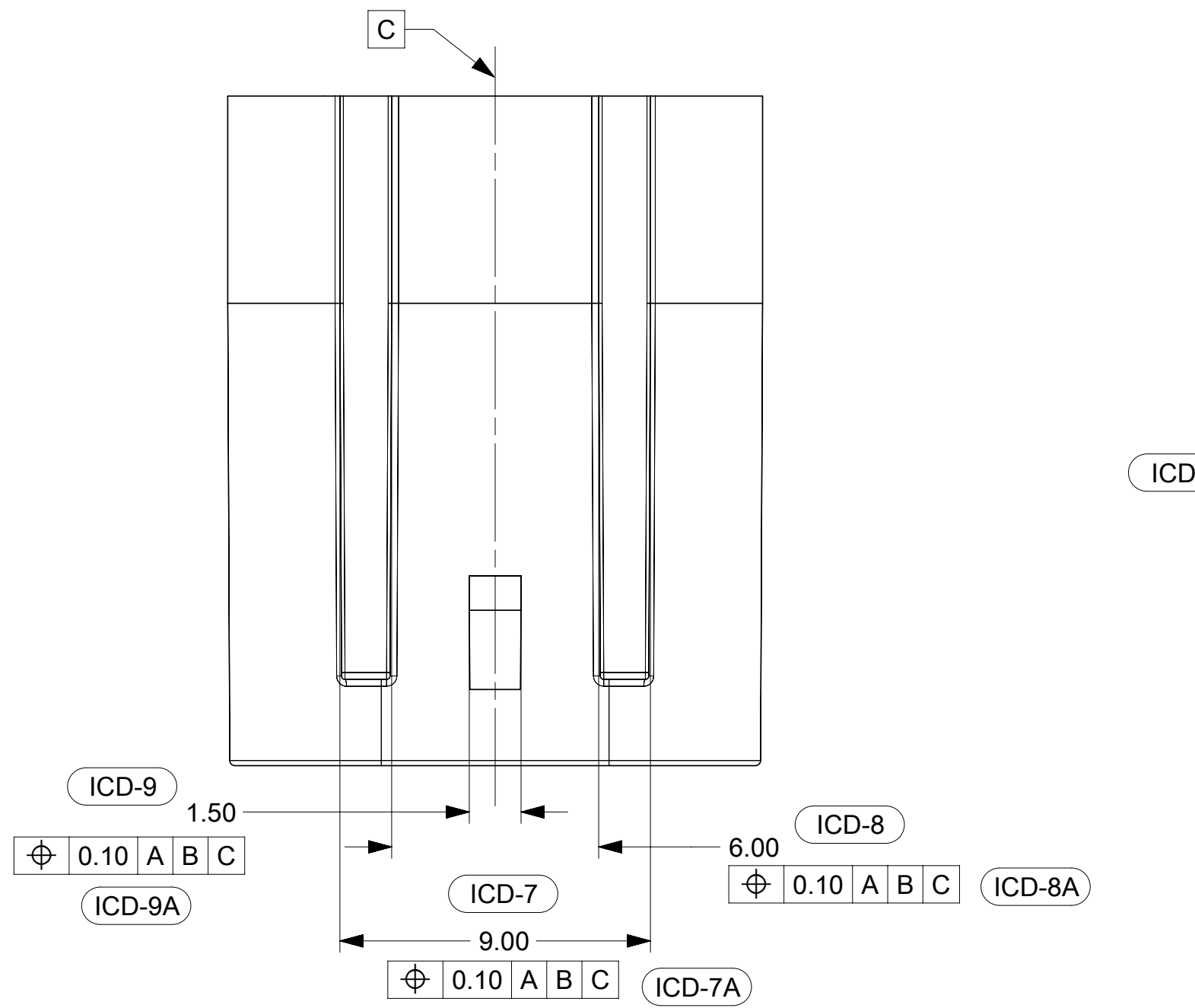
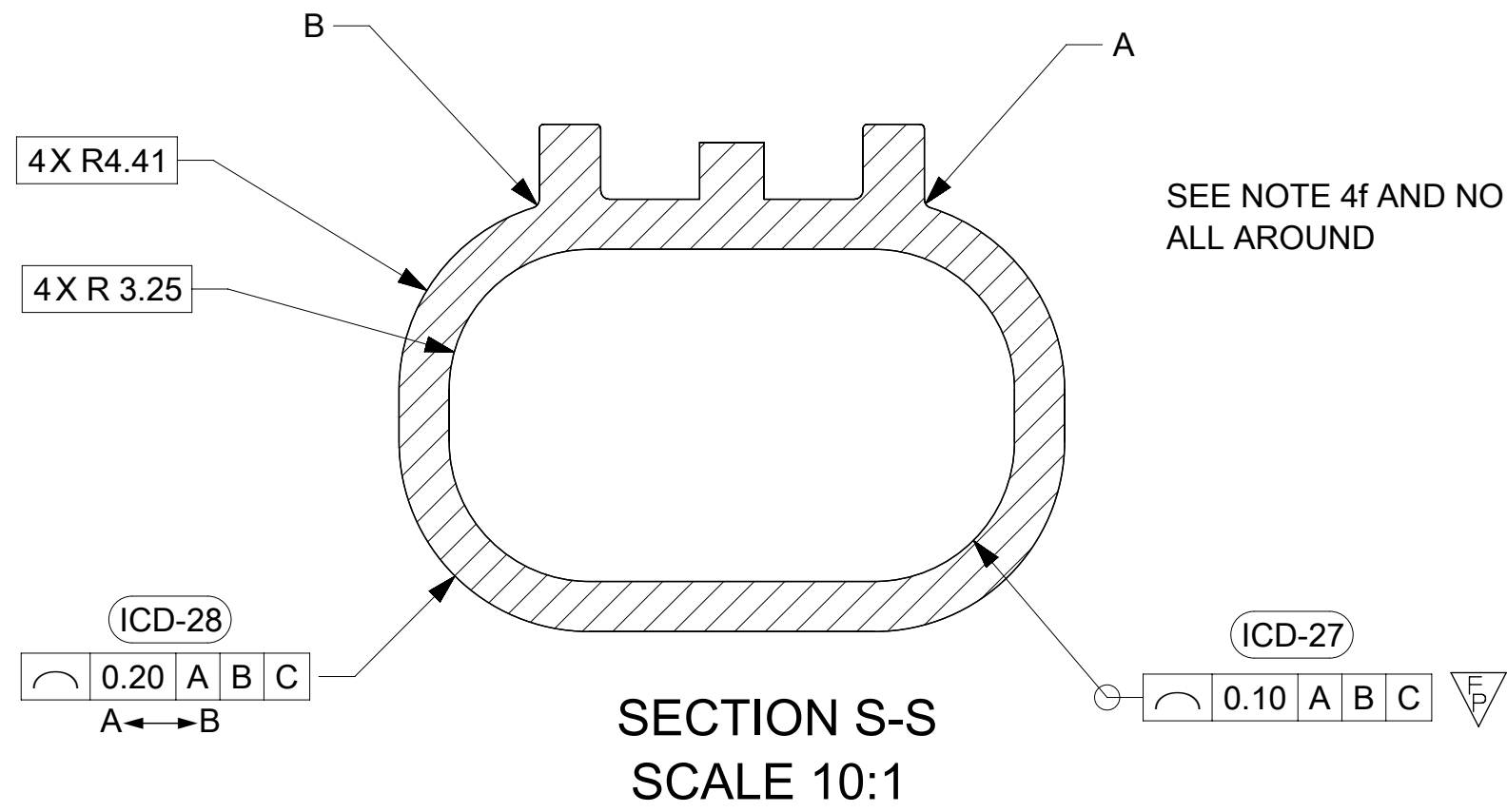
SHEET DESCRIPTION
CONNECTOR INTERFACE DEFINITION



CONSTRUCTION BELOW THIS SURFACE IS NOT CONTROLLED BY THIS INTERFACE. NO FEATURES MAY EXTEND ABOVE THIS SURFACE.

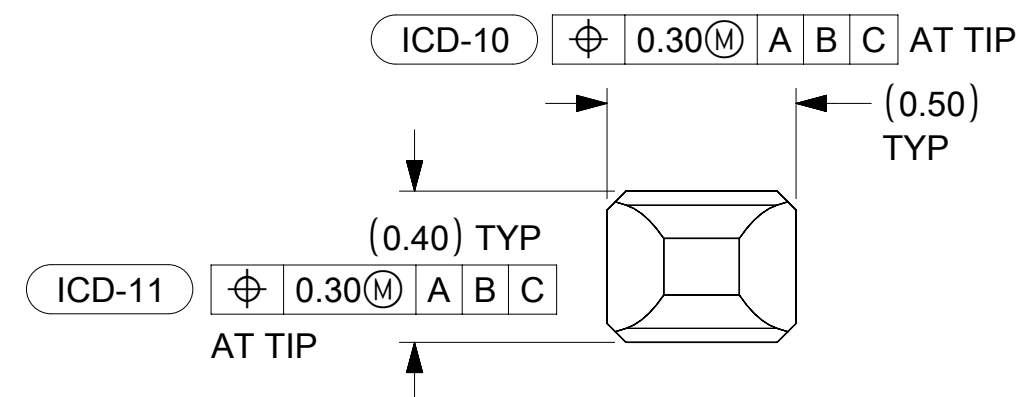


SECTION V-V

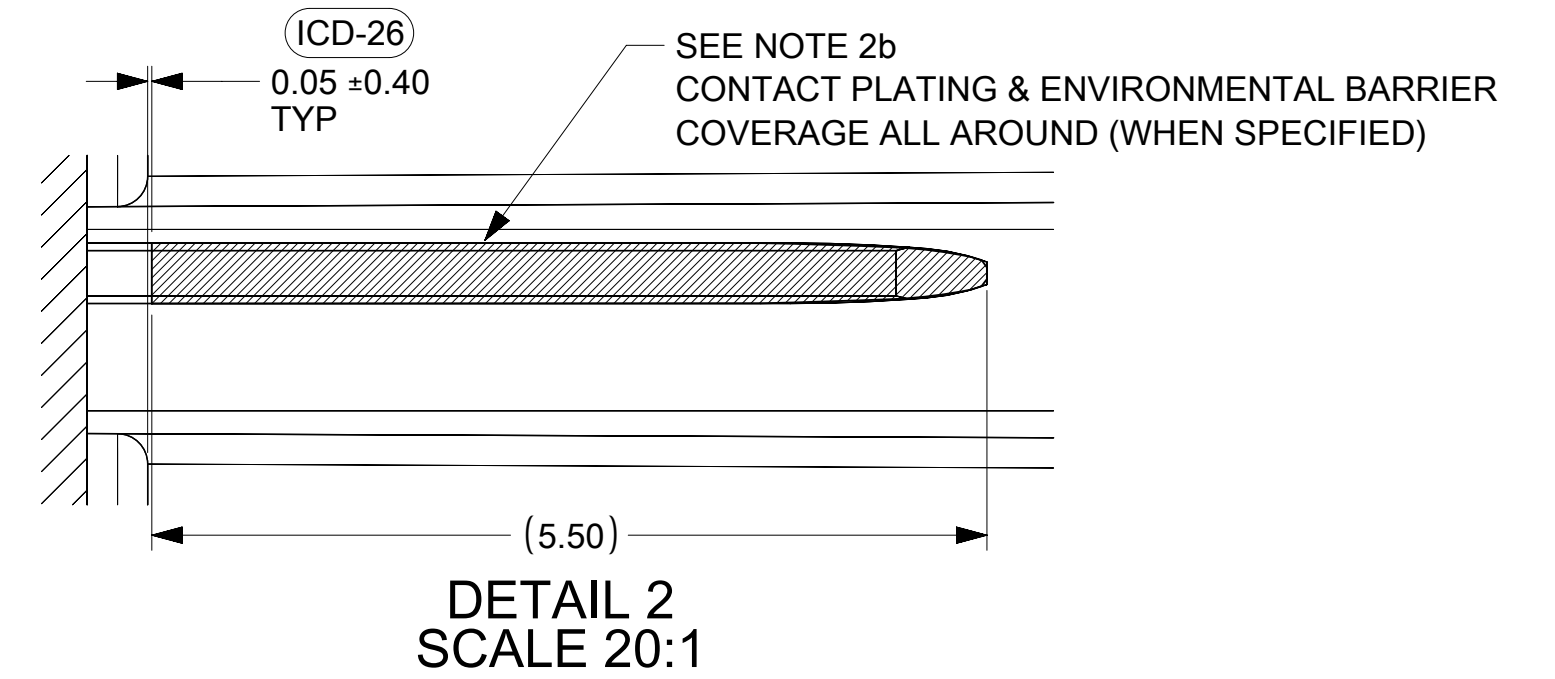


SECTION U-U

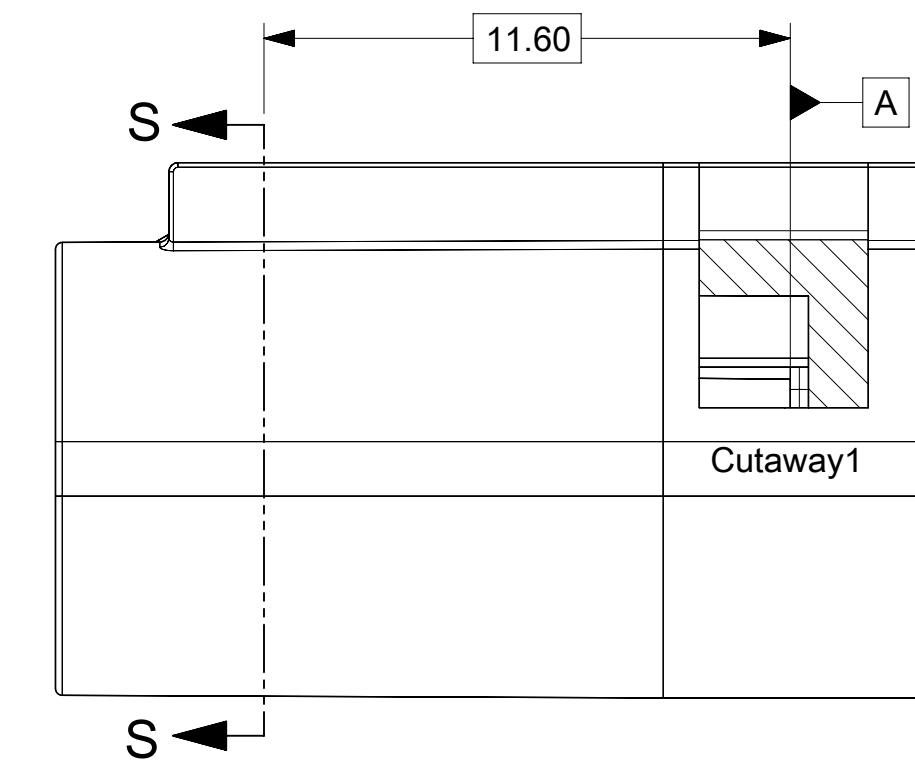
SEE NOTE 2b
REFER TO MOLEX SALES DWG 347350050
AND EWCAP DWG. NO. EWCAP-001 REV. P 050-T001
0.50 TERMINAL BLADE CONFIGURATION



DETAIL 8
SCALE 50:1

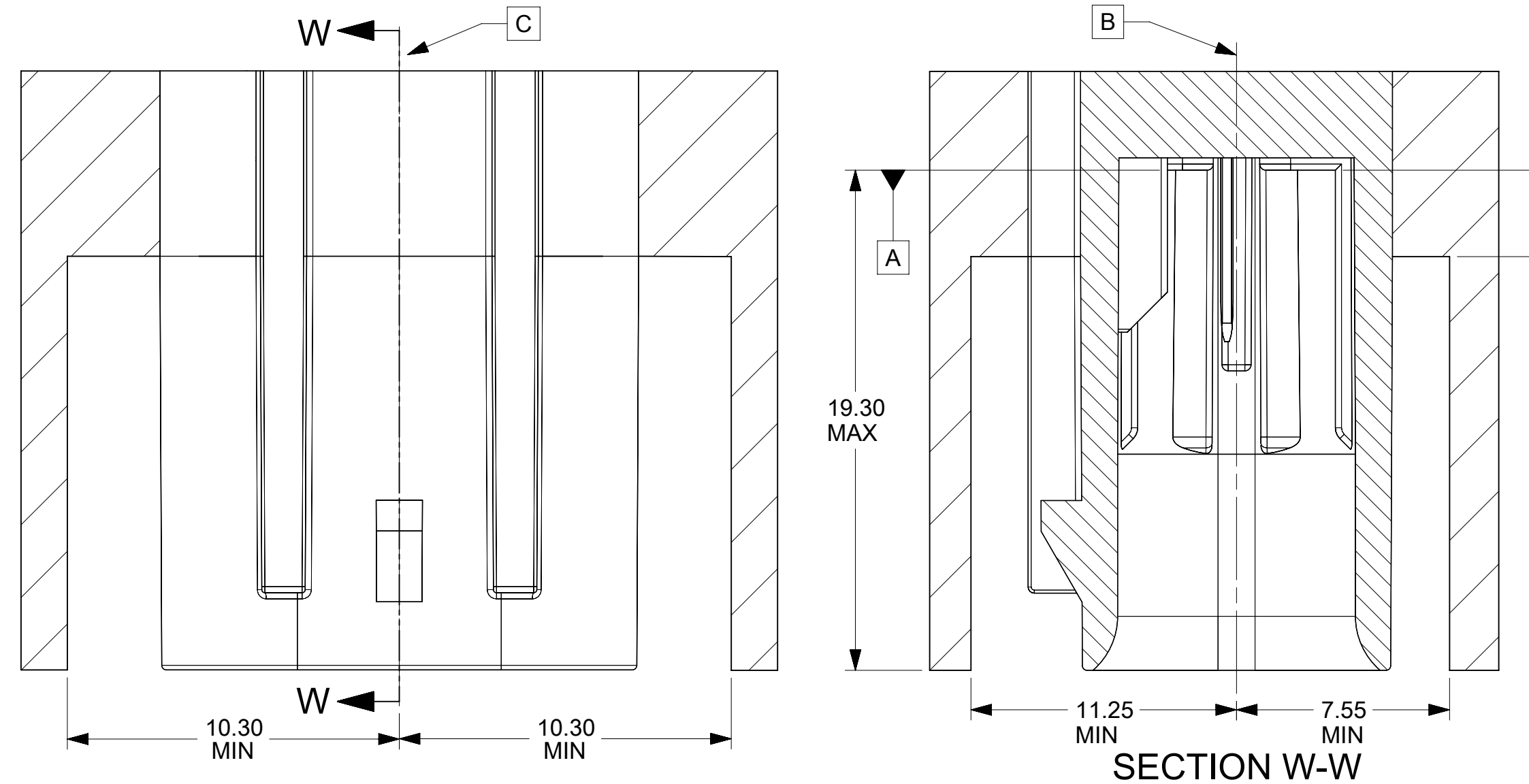


DETAIL 2
SCALE 20:1



PACKAGING FRAME

IF HEADER IS RECESSED INTO A POCKET, THESE DIMENSIONS REPRESENT THE MINIMUM CLEARANCE REQUIRED FOR THE MATING CONNECTOR SHROUD.



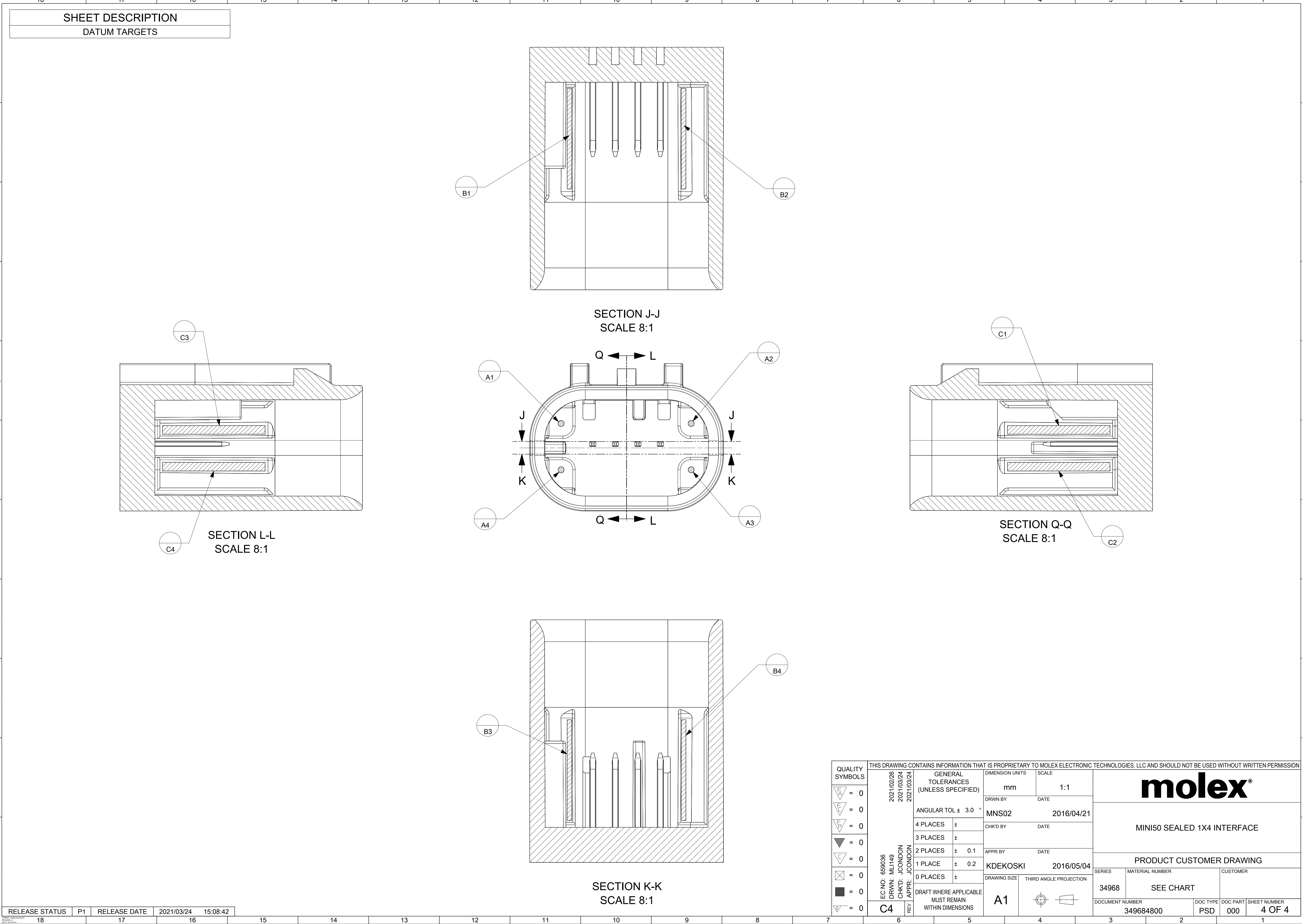
molex®

MINI50 SEALED 1X4 INTERFACE

PRODUCT CUSTOMER DRAWING

SERIES	MATERIAL NUMBER	CUSTOMER		
34968	SEE CHART			
DOCUMENT NUMBER		DOC TYPE	DOC PART	SHEET NUMBER
349684800		PSD	000	3 OF 4

QUALITY SYMBOLS	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION	DIMENSION UNITS	SCALE
= 0	2021/02/26 2021/03/24 2021/03/24	mm	1:1
= 0	DRWN BY DATE	MNS02	2016/04/21
= 0	CHK'D BY DATE		
= 0	APPR BY DATE	KDEKOSKI	2016/05/04
= 0	DRAWING SIZE	A1	
= 0	THIRD ANGLE PROJECTION		
= 0	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		



SHEET DESCRIPTION

DATUM TARGETS

SECTION J-J
SCALE 8:1

SECTION L-L
SCALE 8:1

SECTION Q-Q
SCALE 8:1

SECTION K-K
SCALE 8:1

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		GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION UNITS		SCALE													
						mm		1:1													
 = 0  = 0  = 0  = 0  = 0  = 0  = 0  = 0  = 0		EC NO: 659036 DRWN: ML149 CHKD: JCONDON APPR: JCONDON		2021/03/24		ANGULAR TOL ± 3.0 °		MNS02		2016/04/21		MINI50 SEALED 1X4 INTERFACE									
						4 PLACES ±		CHK'D BY		DATE											
						3 PLACES ±		APPR BY		DATE		PRODUCT CUSTOMER DRAWING									
						2 PLACES ± 0.1		KDEKOSKI		2016/05/04											
						1 PLACE ± 0.2		DRAWING SIZE		THIRD ANGLE PROJECTION											
0 PLACES ±		A1				SERIES		MATERIAL NUMBER			CUSTOMER										
C4		REV		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				34968		SEE CHART			DOCUMENT NUMBER 349684800			DOC TYPE PSD		DOC PART 000		SHEET NUMBER 4 OF 4	