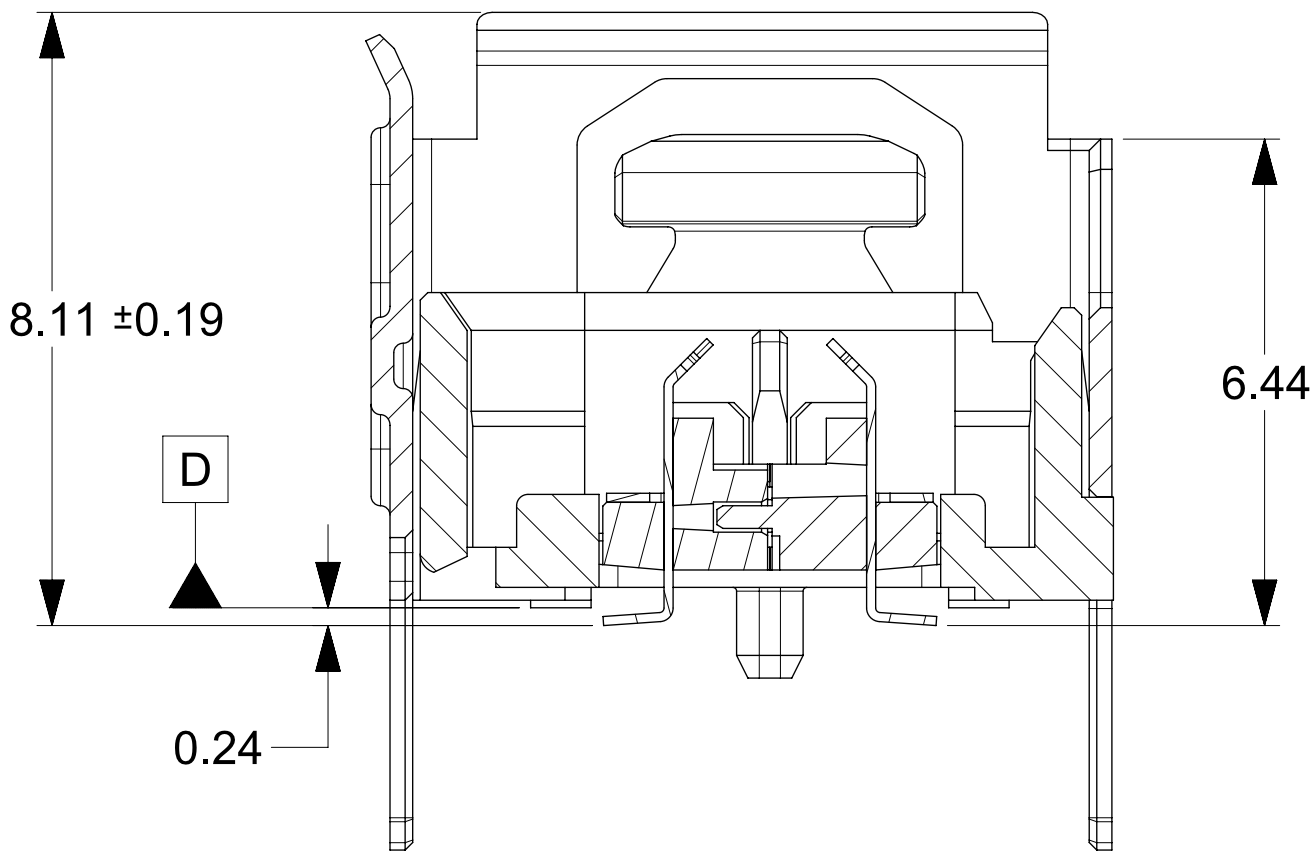
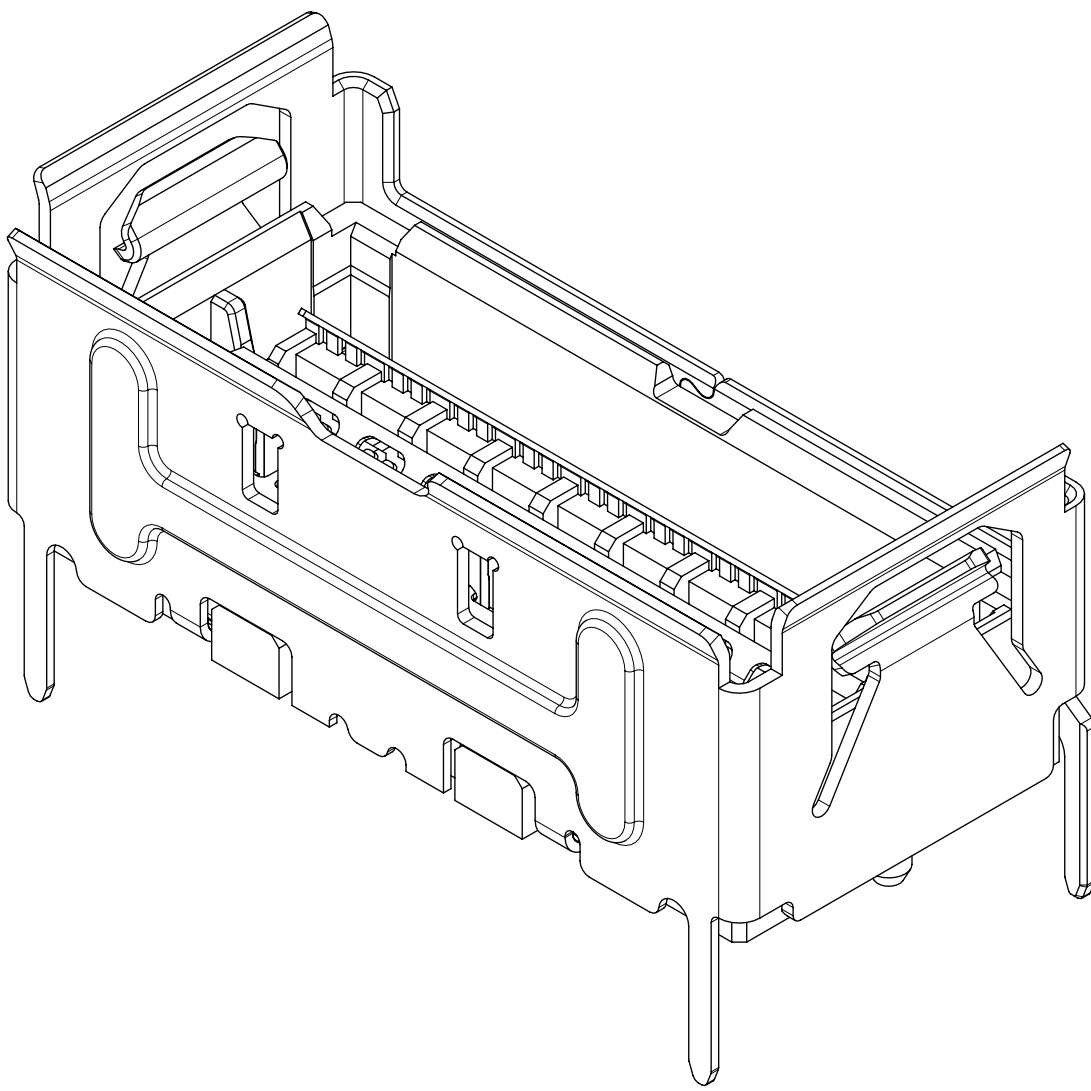
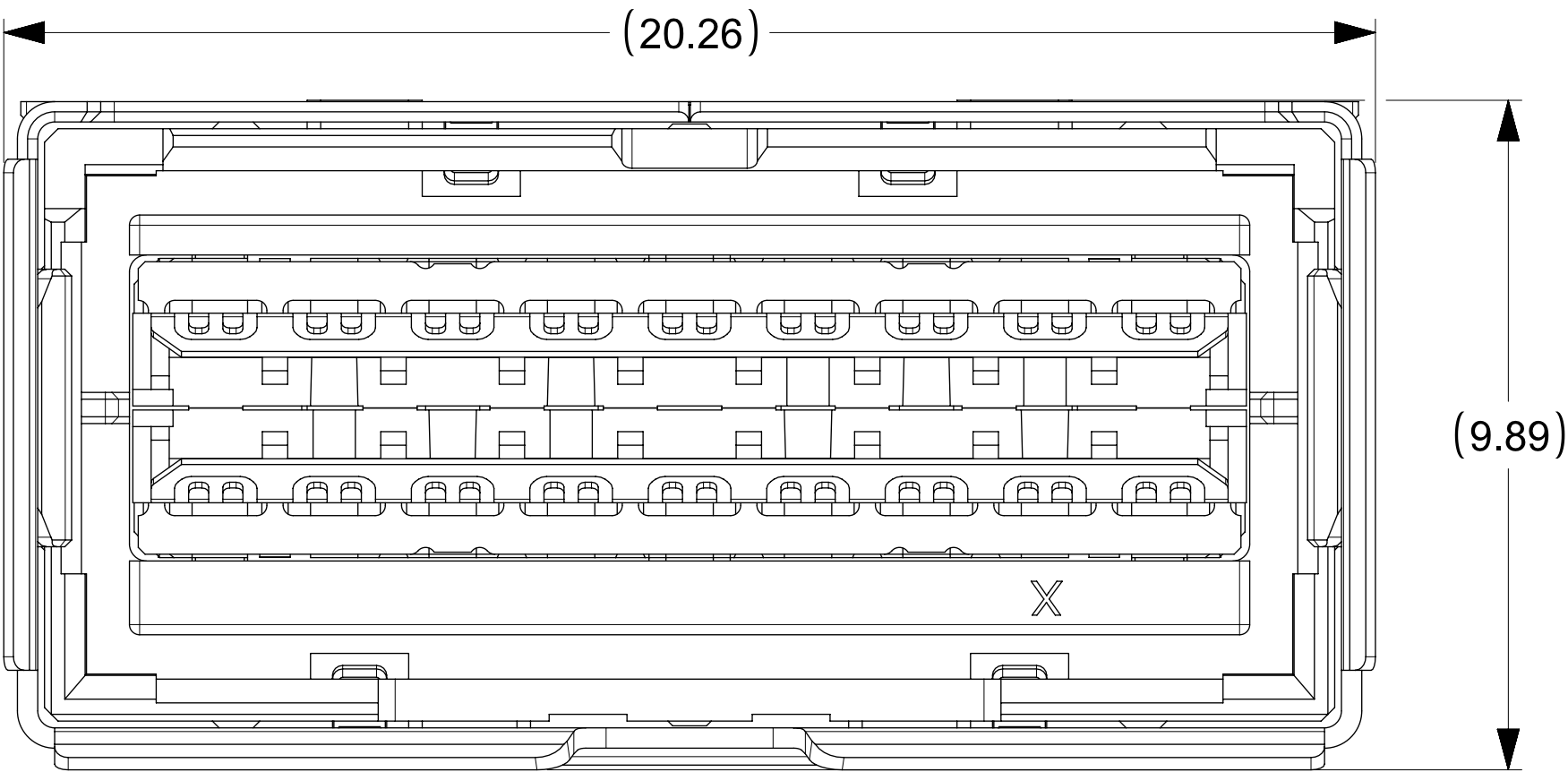
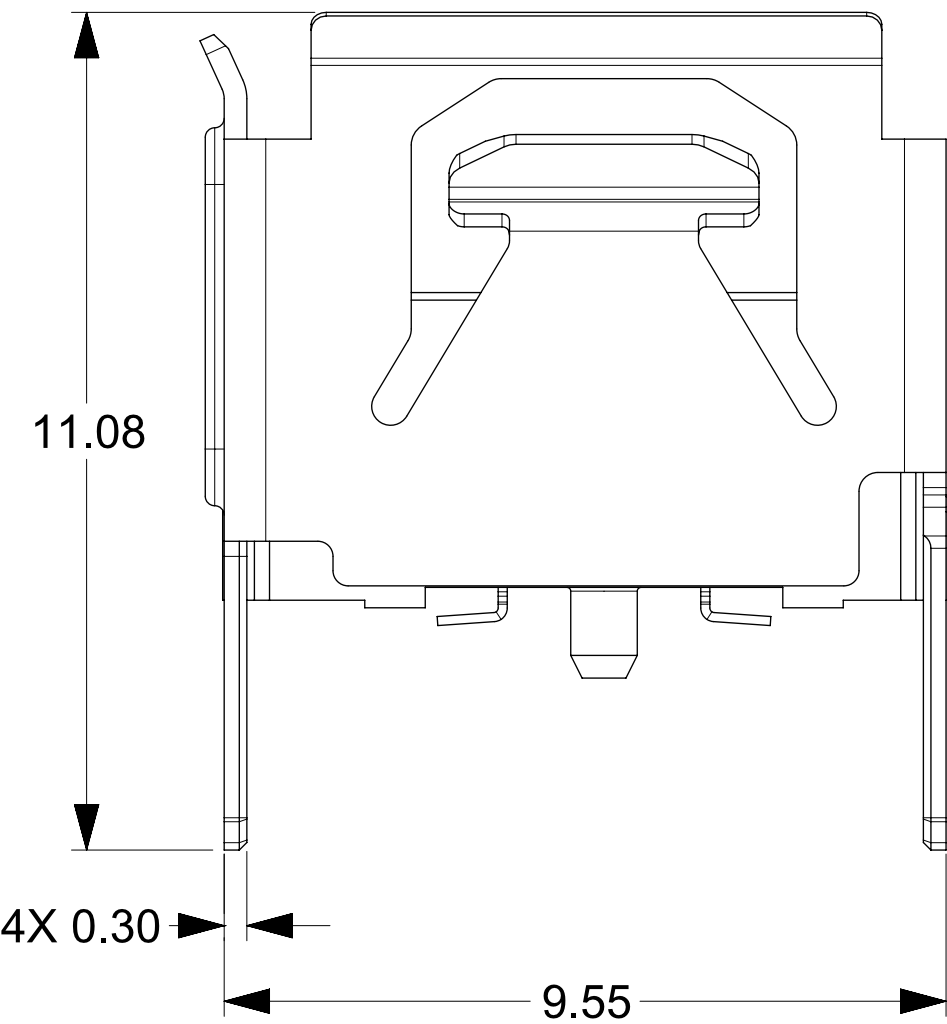
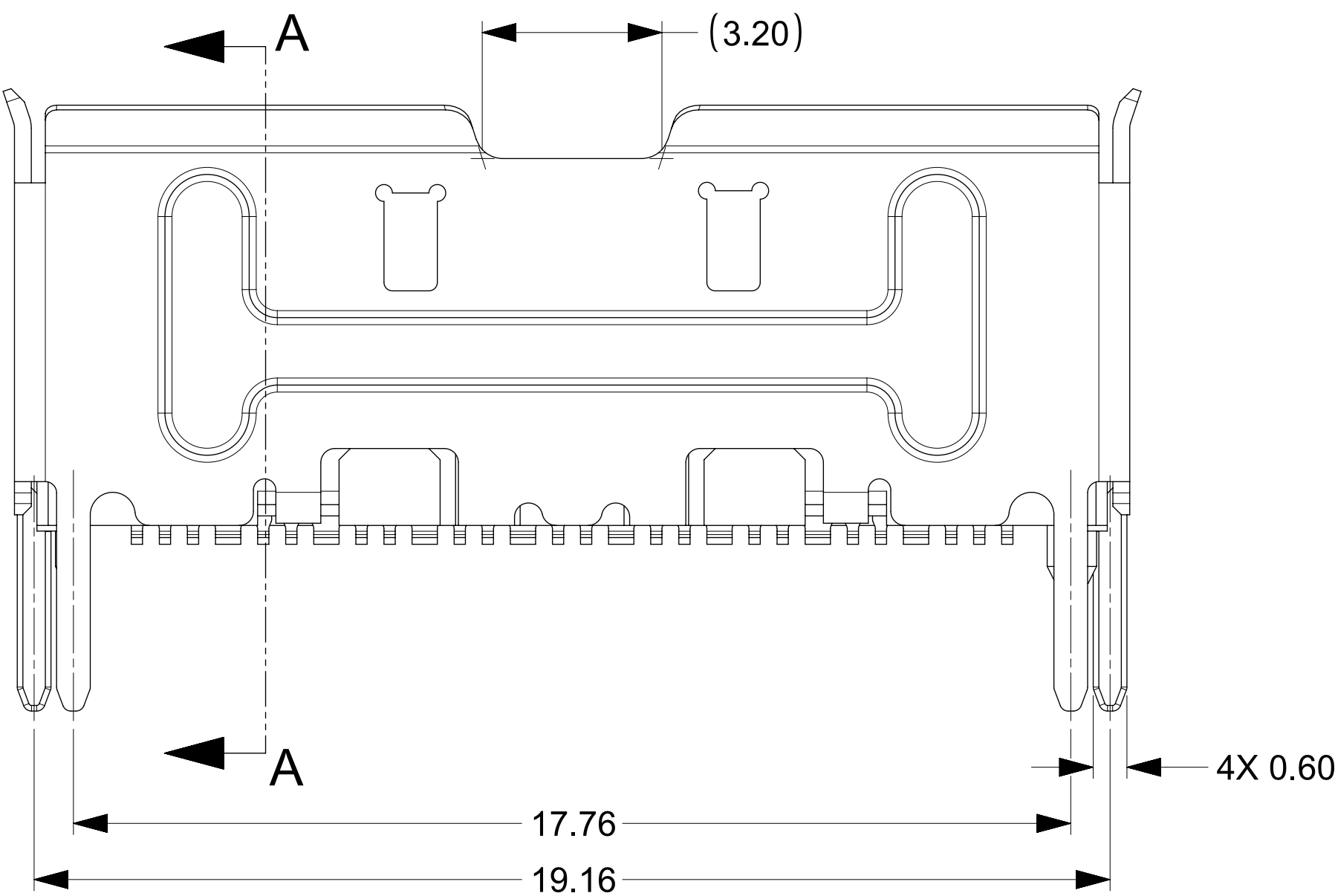


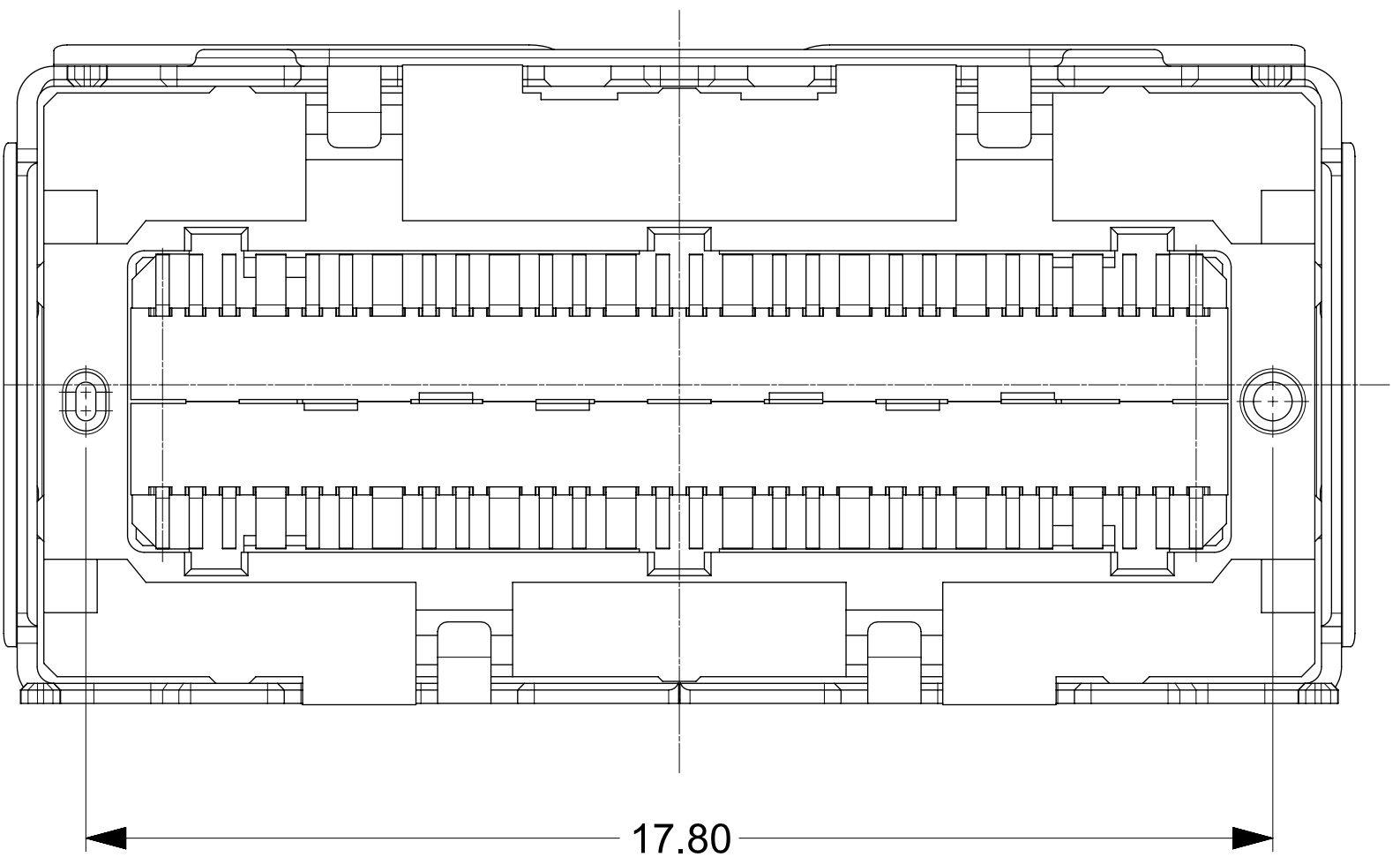
2159801001 PLUG ASSEMBLY SHOWN



SECTION A-A



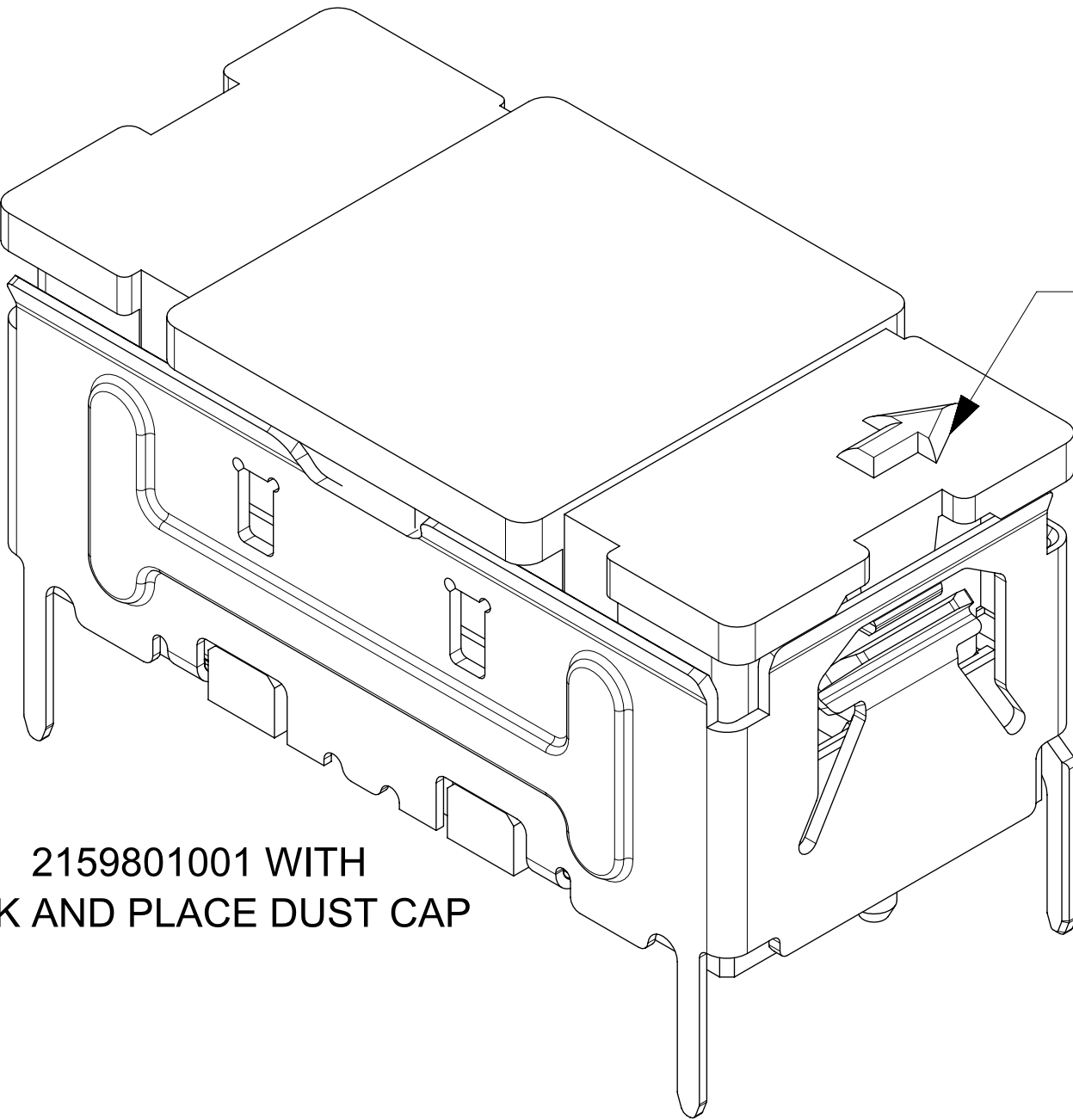
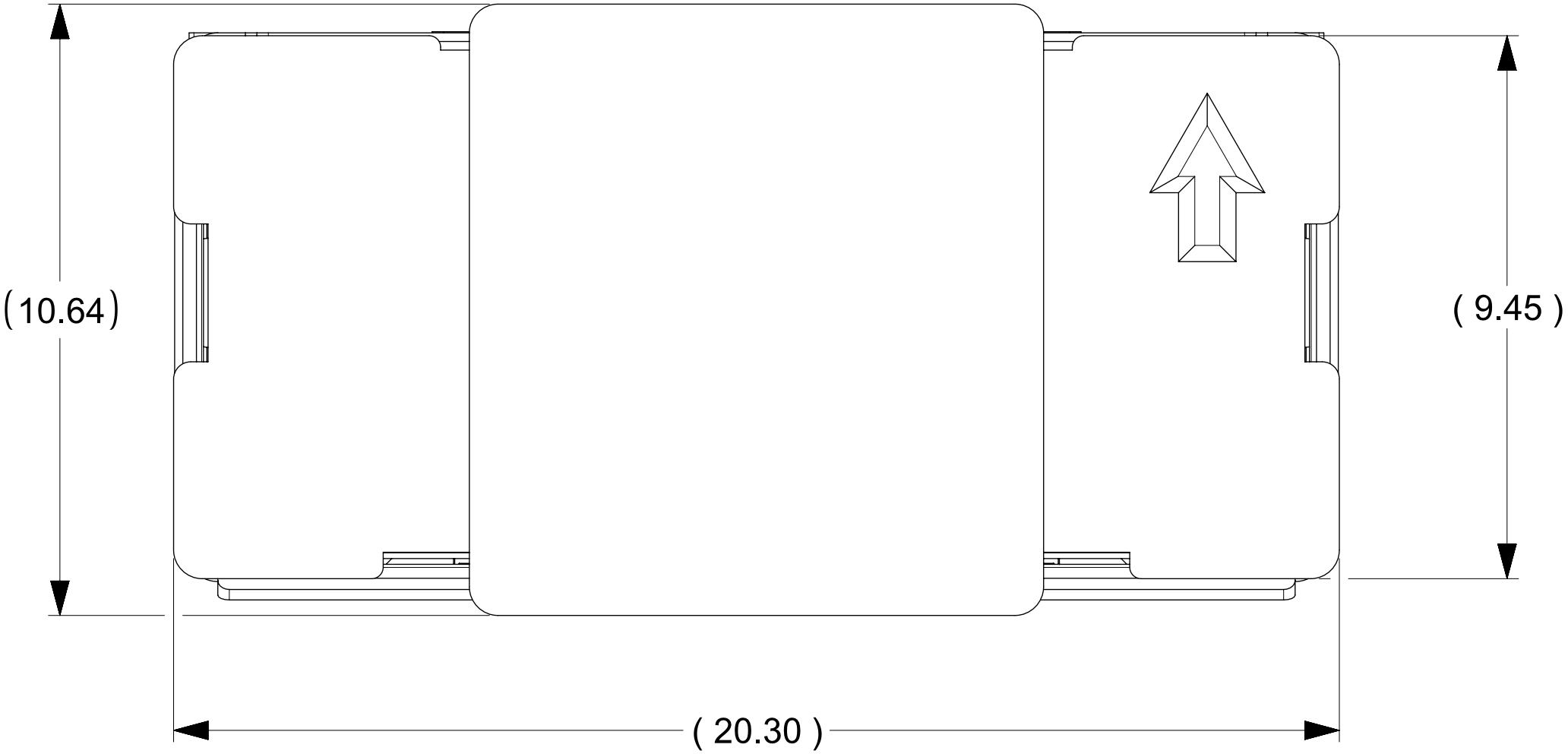
NOTES:
1. MATERIAL:
HOUSING: LCP, GLASS FILLED, UL 94V-0 BLACK
PICK AND PLACE DUST COVER: LCP, GLASS FILLED, UL 94V-0 NATURAL
CONTACT: HIGH PERFORMANCE COPPER ALLOY
CAN: STAINLESS STEEL
2. FINISH:
CONTACT: 30 MICROINCHES (0.76 MICRONS) MIN SELECTIVE GOLD ON CONTACT AREA,
100 MICROINCHES (2.54 MICRONS) SELECTIVE TIN MIN OVER 50 MICROINCHES
(1.27 MICRONS) NICKEL MIN OVERALL ON SOLDER TAIL.
CAN PC TAIL: 16-35 MICRONS HOT TIN DIP
3. PRODUCT SPECIFICATION: 2159800001-PS
4. PACKAGING SPECIFICATION: 2159800001-PK
5. APPLICATION SPECIFICATION: 2159800001-AS
6. MATES TO RECEPTACLE PART NUMBER 2160000001.
7. MUST CONFORM TO THE COSMETIC SPECIFICATION: PS-45499-002, CLASS B; EXCEPT
ANY IMPERFECTIONS MUST FIT WITHIN A 0.08mm DIAMETER SPHERE
(DUE TO THE SMALL SIZE OF THIS PART)



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: SEE REVISION TABLE				molex									
MM		10:1															
GENERAL TOLERANCES (UNLESS SPECIFIED)				STATUS: Production DRWN: Aswin A CHK'D: Chen Yew Eugene Lim APPR: Daw Wei Lee				2023-08-30 2024-01-03 2024-01-05									
ANGULAR TOL		± 0.5°															
4 PLACES		±															
3 PLACES		±															
2 PLACES		± 0.200															
1 PLACE		± 0.50		DRAWING				SERIES		DOCUMENT NUMBER		DOC TYPE		DOC PART		REVISION	
0 PLACES		±															
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				THIRD ANGLE PROJECTION		D-SIZE		215980		MATERIAL NUMBER		CUSTOMER		SHEET NUMBER			
										2159801001		GENERAL MARKET		1 OF 4			

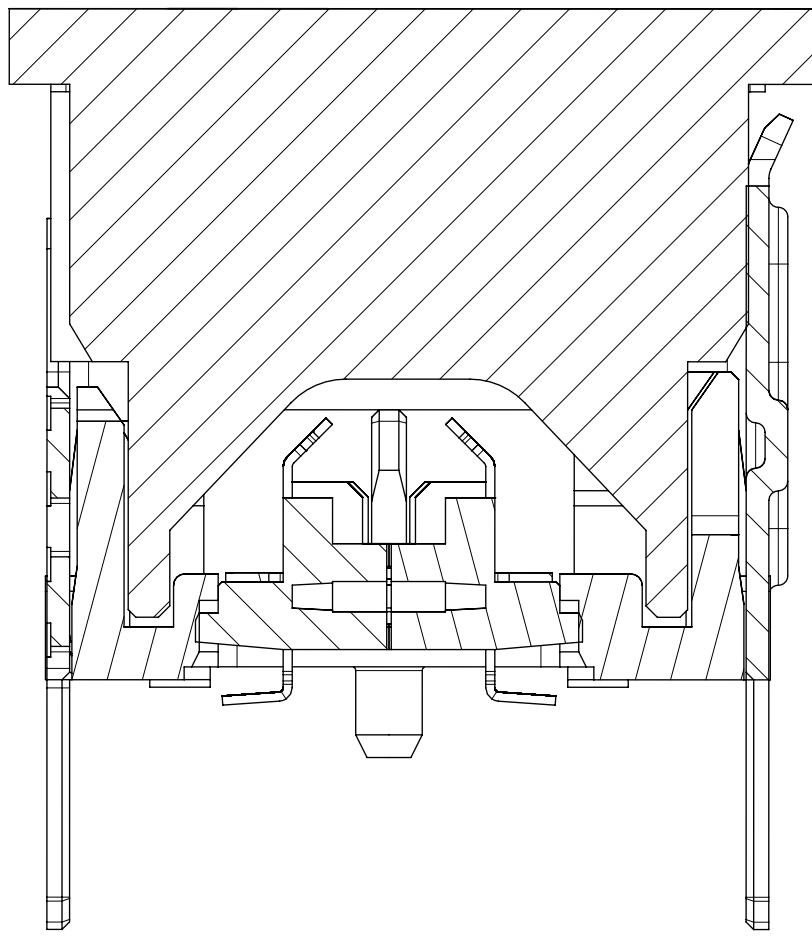
PLUG ASSEMBLY WITH DUSTCAP
AS SHIPPED

2159801001 PLUG ASSEMBLY SHOWN

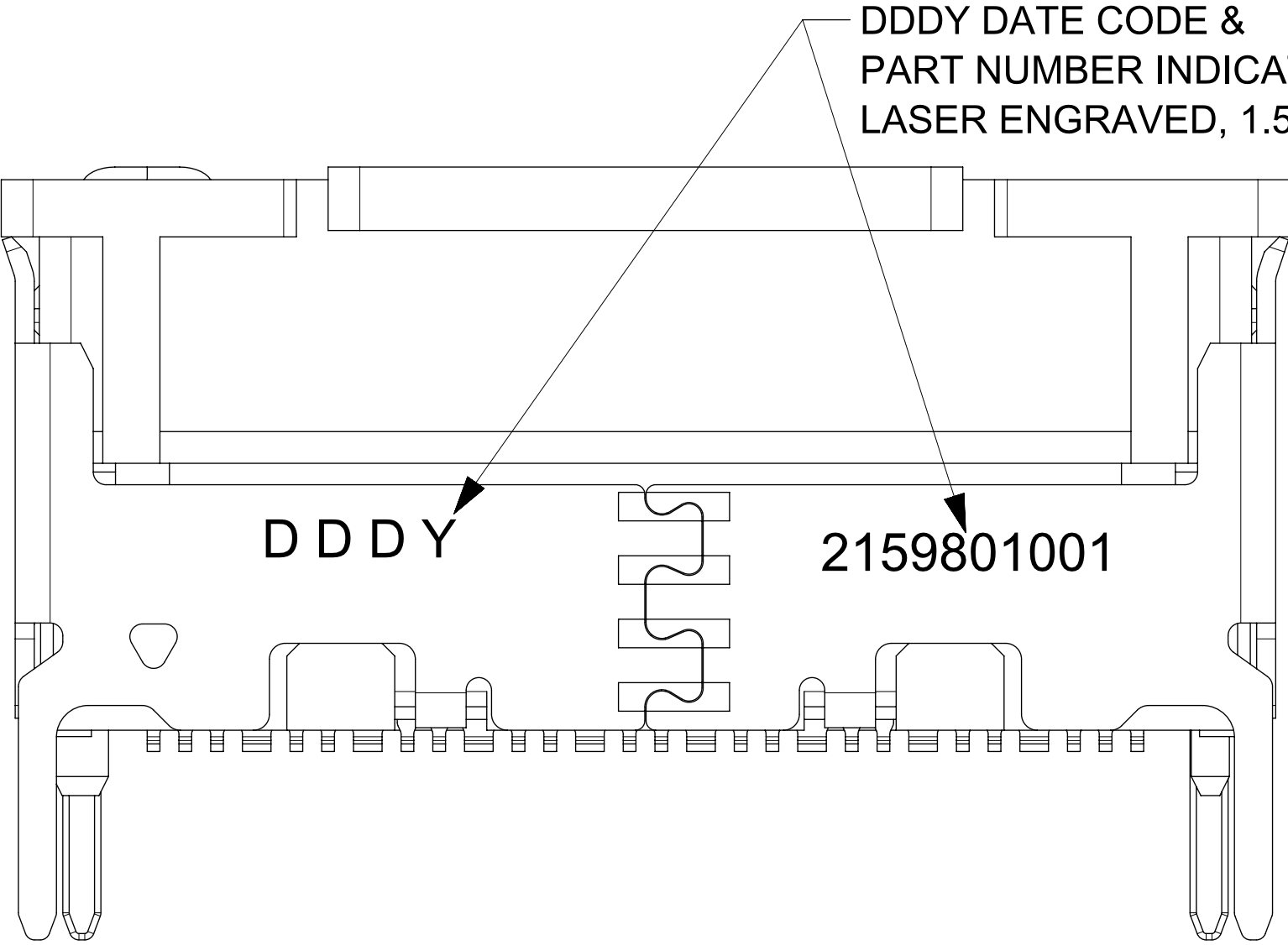
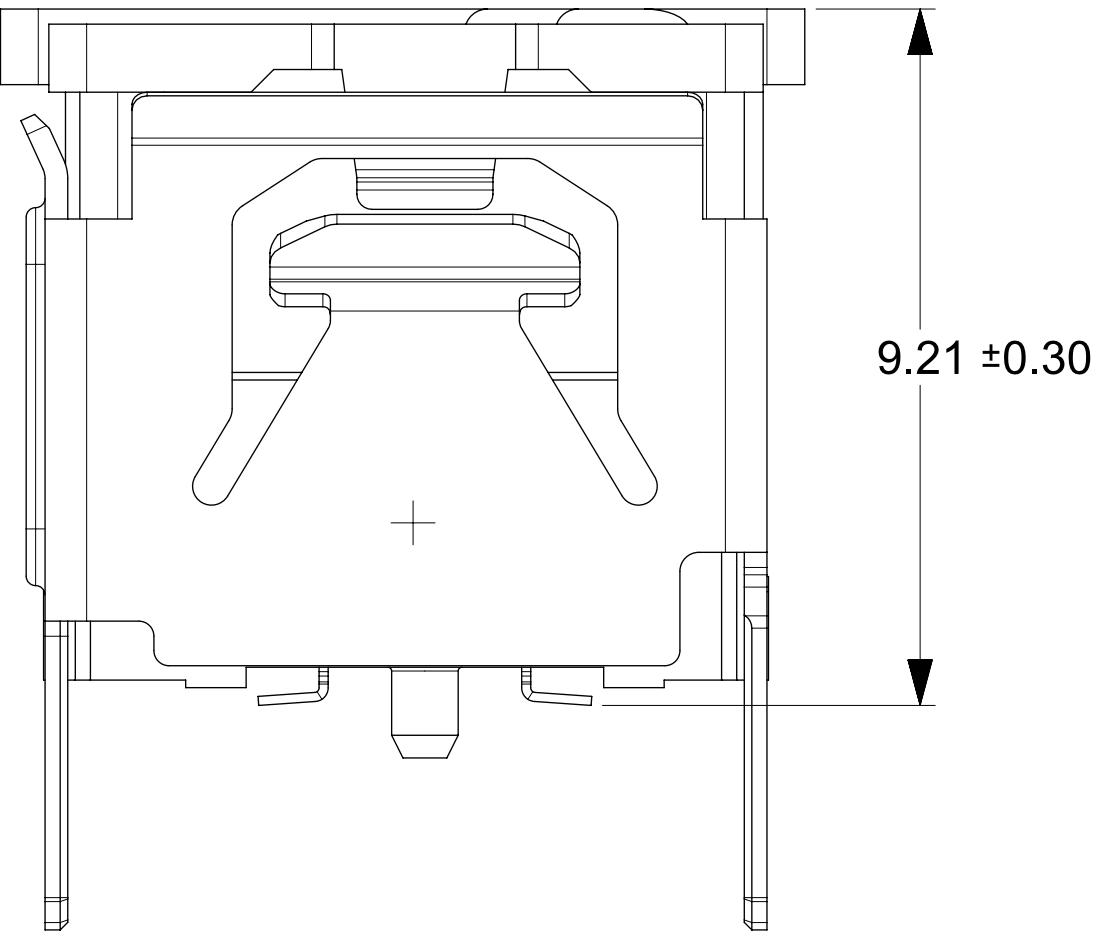
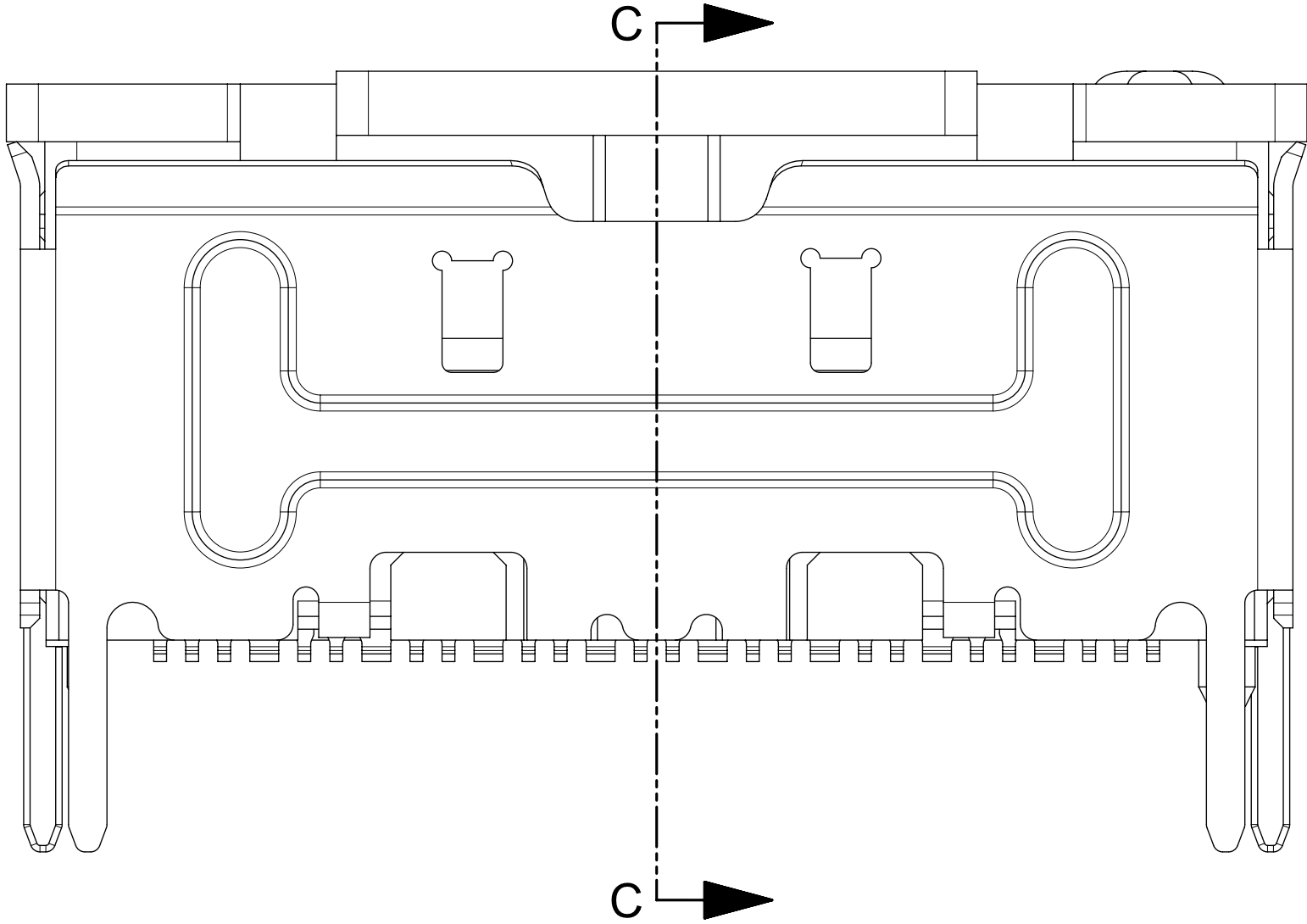


2159801001 WITH
PICK AND PLACE DUST CAP

DUSTCAP RETENTION
TO EXCEED 100gf.



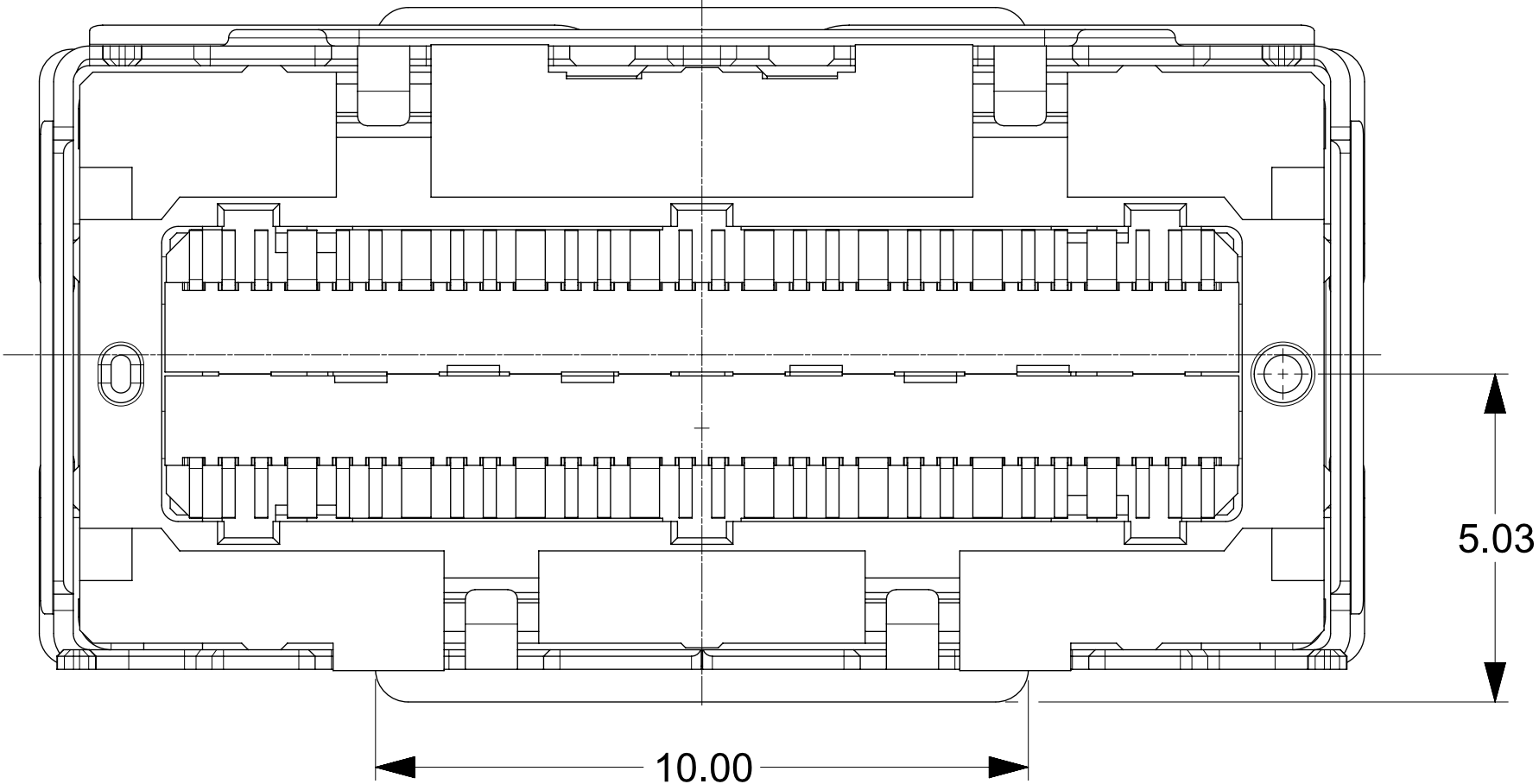
SECTION C-C



DDDY DATE CODE &
PART NUMBER INDICATION
LASER ENGRAVED, 1.50MM TALL

DDDY

2159801001



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: SEE REVISION TABLE													
MM		10:1															
GENERAL TOLERANCES (UNLESS SPECIFIED)																	
ANGULAR TOL ± 0.5°																	
4 PLACES		±		molex NEARSTACK HD PLUG SALES DRAWING PRODUCT SALES DRAWING <table><tr><td>DOCUMENT NUMBER</td><td>DOC TYPE</td><td>DOC PART</td><td>REVISION</td></tr><tr><td>2159801001</td><td>PSD</td><td>000</td><td>A1</td></tr></table>						DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION	2159801001	PSD	000	A1
DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION														
2159801001	PSD	000	A1														
3 PLACES		±															
2 PLACES		± 0.200															
1 PLACE		± 0.50		STATUS: Production DRWN: Aswin A													

CABLES EXIT THIS SIDE OF CONNECTOR



1. DATUM -A- IS THE TOP OF THE PCB
2. ALL GROUND PADS ARE SOLDER MASK DEFINED

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: SEE REVISION TABLE					molex						
MM		25:1													
GENERAL TOLERANCES (UNLESS SPECIFIED)															
ANGULAR TOL		± 0.5°													
4 PLACES		±													
3 PLACES		±		NEARSTACK HD PLUG SALES DRAWING											
2 PLACES		± 0.200													
1 PLACE		± 0.50													
0 PLACES		±													
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION							DRAWING		SERIES		MATERIAL NUMBER		CUSTOMER
					D-SIZE		215980		2159801001		GENERAL MARKET		2 OF 4		
STATUS: Production				2023-08-30				DOCUMENT NUMBER		DOC TYPE		DOC PART		REVISION	
DRWN: Aswin A				2024-01-03				2159801001		PSD		000		A1	
CHK'D: Chen Yew Eugene Lim				2024-01-05											
APPR: Daw Wei Lee				2024-01-05											

REVISION HISTORY

DATE	REV	DESCRIPTION
2021/12/13	1	INITIAL RELEASE
2022/01/24	2	1. SHEET 2: UPDATE DUST CAP DIMENSION FROM 9.29 TO 9.45MM 2. SHEET 3: UPDATE VIEW; REMOVE LINES BETWEEN SIGNAL PADS 3. SHEET 3: UPDATE DIMENSIONING CONTROL METHOD
2022/02/09	A	OFFICIAL INITIAL RELEASE SHEET 1: RELIEVE SLOT ADDED (DIMENSION 3.2) SHEET 3: ADD NOTE 2 AND REVERT DIMENSIONING METHOD
2023/08/30	A1	1. SHEET 1: UPDATE PACKAGING SPECIFICATION 2. SHEET 2: ADD DUST CAP DIMENSION 10.00MM AND 5.03MM

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: SEE REVISION TABLE				molex			
MM		1:1									
GENERAL TOLERANCES (UNLESS SPECIFIED)											
ANGULAR TOL		± 0.5°						NEARSTACK HD PLUG SALES DRAWING			
4 PLACES		±						PRODUCT SALES DRAWING			
3 PLACES		±									
2 PLACES		± 0.200									
1 PLACE		± 0.50									
0 PLACES		±									
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				THIRD ANGLE PROJECTION				DRAWING		SERIES	
								D-SIZE		215980	
				STATUS: Production		DRWN: Aswin A		2023-08-30		DOCUMENT NUMBER	
				CHK'D: Chen Yew Eugene Lim		2024-01-03		2159801001		DOC TYPE	
				APPR: Daw Wei Lee		2024-01-05		PSD		DOC PART	
								REVISION		A1	
										SHEET NUMBER	
										4 OF 4	