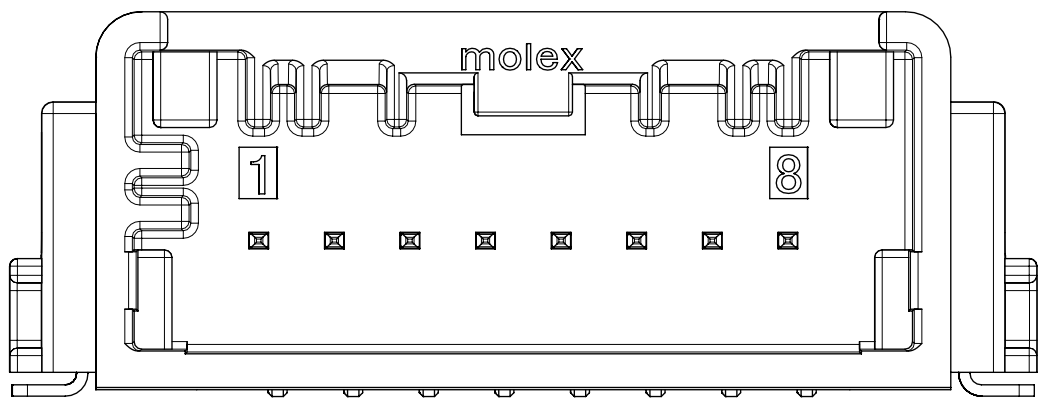
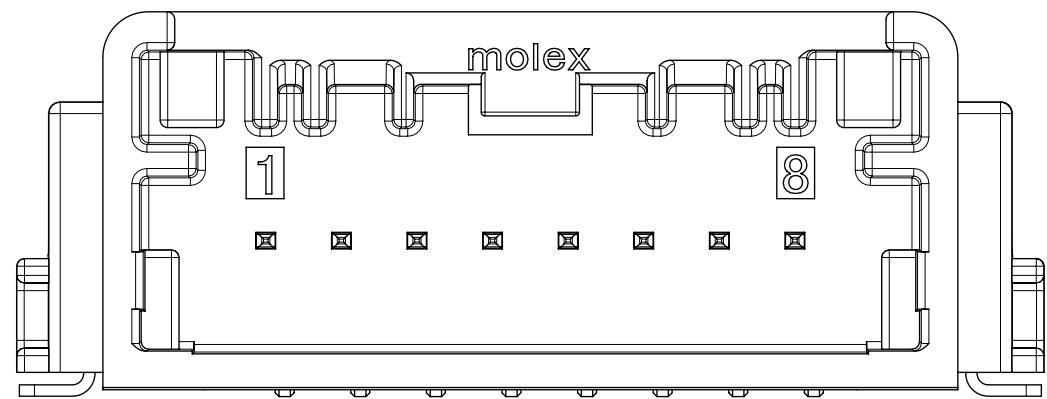
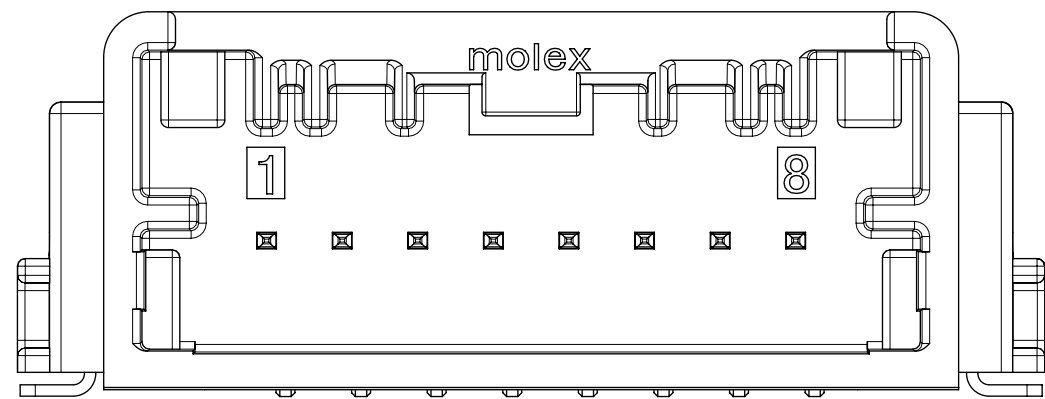
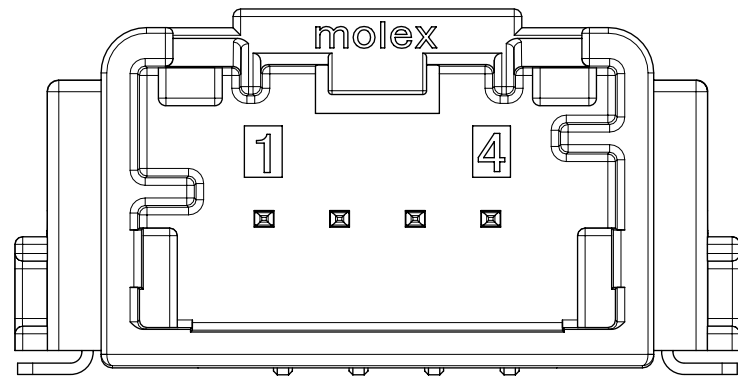
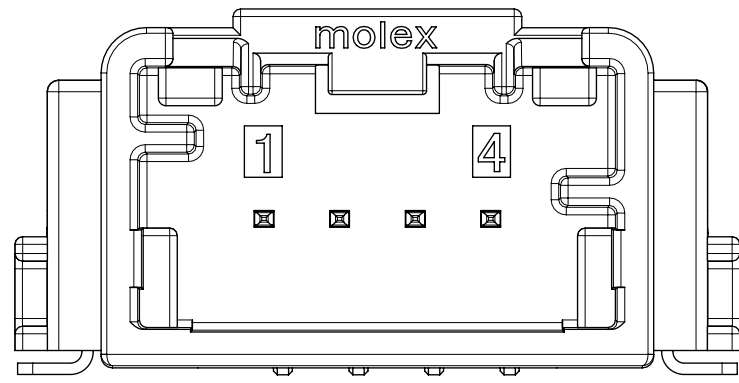
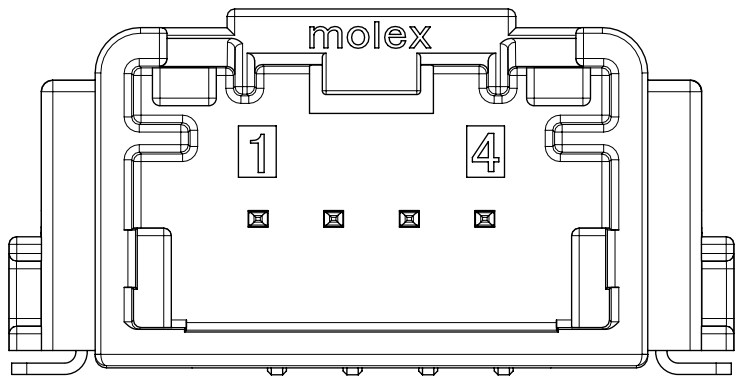
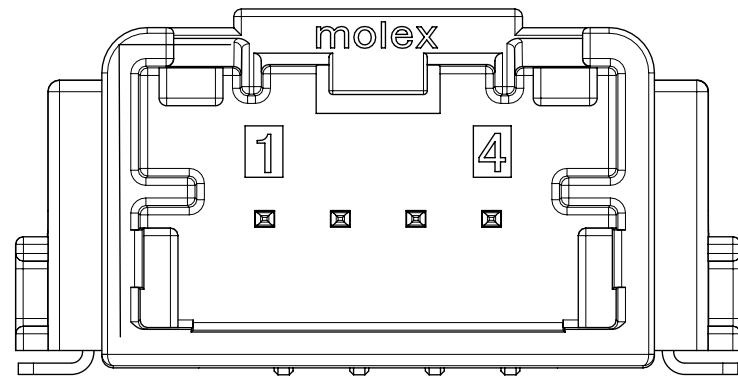
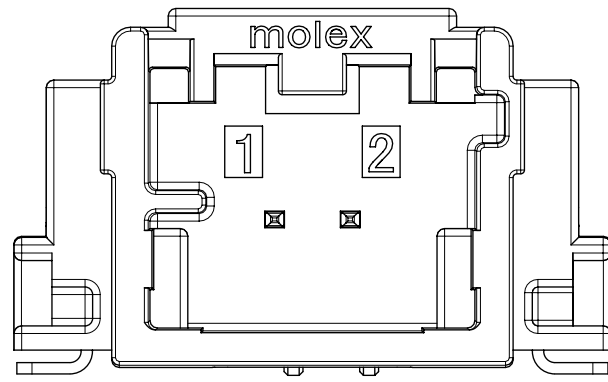
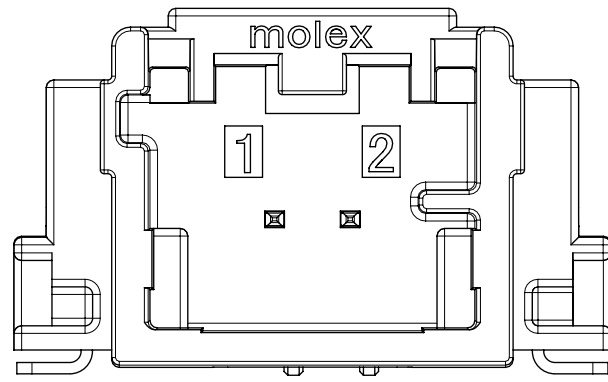
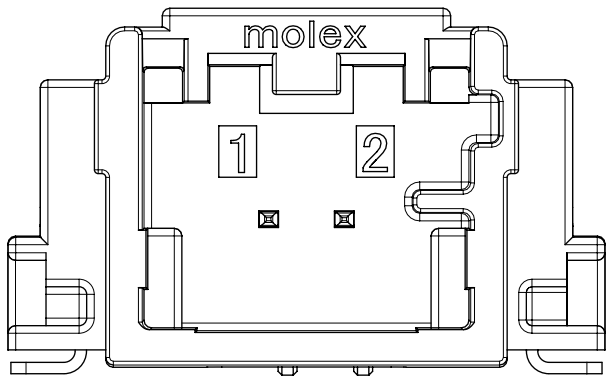
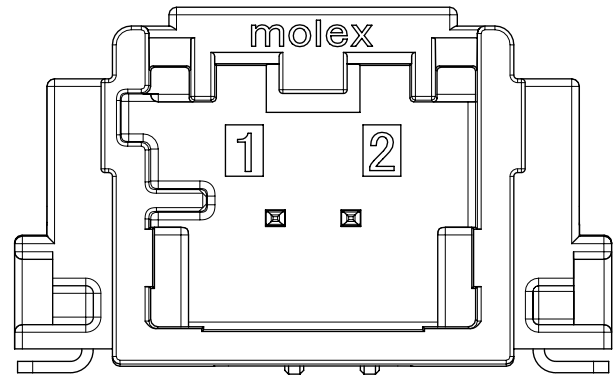




NOTES: VALID UNLESS OTHERWISE SPECIFIED

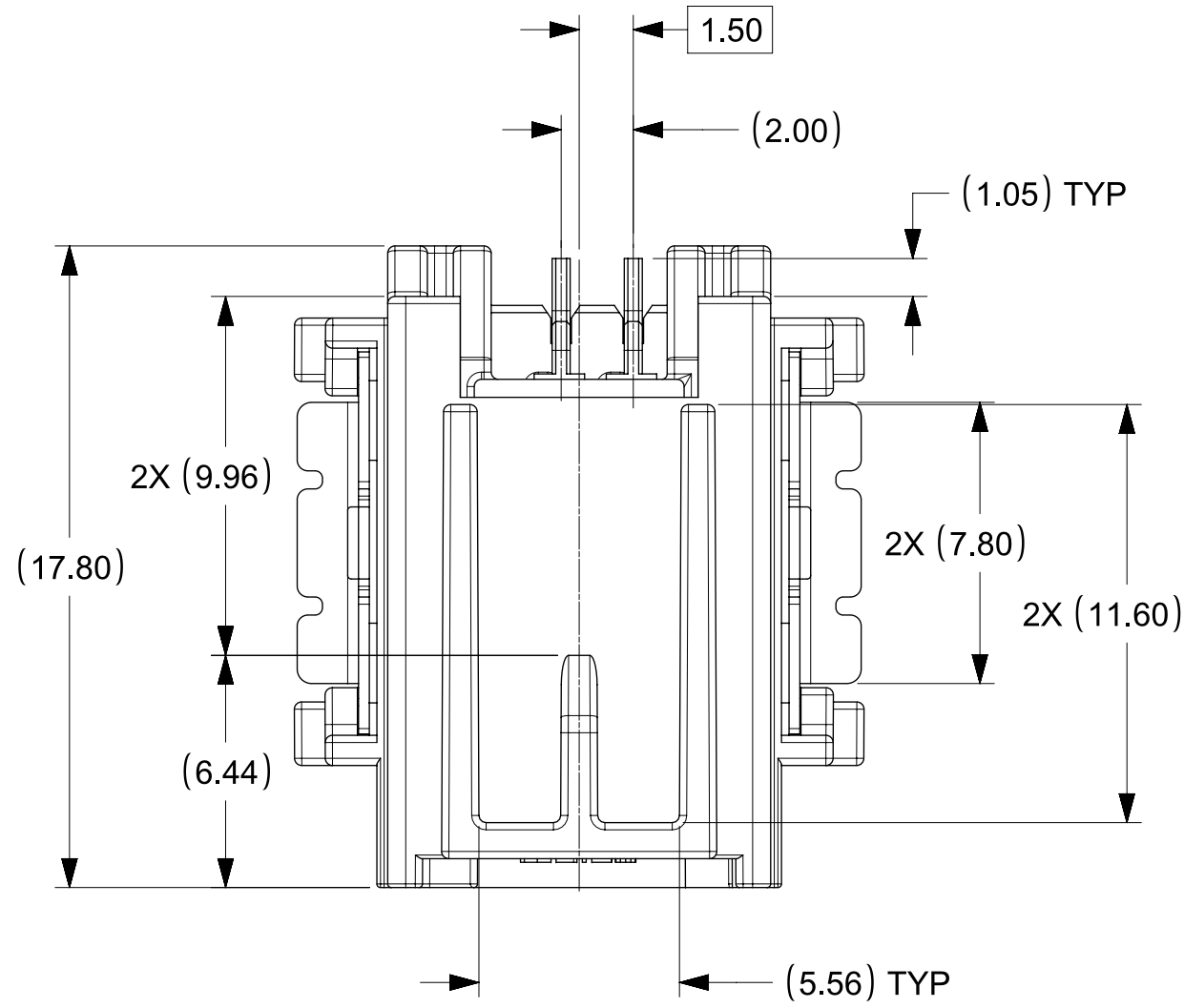
1. GENERAL:
 - a. APPLICATION SPECIFICATION SEE: AS-34791-020
 - b. PRODUCT SPECIFICATION SEE: PS-34791-020
 - c. PACKAGING SPECIFICATION PER MOLEX DRAWING: SEE CHART
 - d. SOLDERABILITY PER SMES-152
 - e. PARTS MUST BE IN COMPLIANCE TO MOLEX CHEMICAL SUBSTANCES FOR PRODUCTS AND PACKAGING SPECIFICATION: QEHS-699000-300
 - f. DATA MUST BE SUBMITTED UNDER THE MOLEX PART NUMBER TO IMDS (COMPANY ID# 13255)
 - g. FLAMMABILITY REQUIREMENT: PER ISO3795 OR GM3191
 - h. VISUAL DEFECTS SHALL MEET COSMETIC STANDARD PS-45499-002 (Class B)
2. DESIGN - MATERIALS:
 - a. SHROUD (PLASTIC HOUSING): SPS 30% GF, 25% REGRIND MAX BY WEIGHT
 - b. BLADES:
BASE METAL: BRASS
PLATING REQUIREMENTS:
UNDERPLATING - OVERALL NICKEL
OVERPLATING - OVERALL TIN
GOLD:
UNDERPLATING: OVERALL NICKEL
OVERPLATING:
CONTACT AREA - GOLD
GRIP AREA - TIN
3. DESIGN - GEOMETRY:
 - a. THIS IS A 100% CAD GENERATED PART. THE CAD MATHEMATICAL DATA IS THE MASTER FOR THIS PART. FOR DIMENSIONAL OR ANY INFORMATION NOT SHOWN ON THIS DRAWING, ANALYZE THE CAD MODEL.
 - b. GEOMETRIC DIMENSIONS AND TOLERANCES PER ASME Y14.5M - 2009
 - c. GENERAL TOLERANCES: SEE TITLE BLOCK
 - d. EDGES AND UNDIMENSIONED DETAILS PER ISO13715
 - e. CORNERS SHOWN AS SHARP TO BE R 0.1 MAX
 - f. LETTERING SHALL BE BELOW SURROUNDING SURFACE OF PART.
THIS INCLUDES RECYCLING CODE, PLANT AND CAVITY ID,
VENDOR ID, AND CIRCUIT ID.
 - g. TRACEABILITY TO BE MARKED IN AREA SHOWN. MARK IS CODED AS FOLLOWS:
ROW 1 (XXXXX-XX): MOLEX SINGLE ROW SMT HEADER SERIES NUMBER (34912); ASSEMBLY NUMBER (-XX)
ROW 2 (MMHHDDDDYY):
- 1ST & 2ND DIGITS: MINUTE IF ASSEMBLY
- 3RD & 4TH DIGITS: HOUR OF ASSEMBLY (24 HOUR CLOCK)
(EXAMPLE: 15:00 > '15'; 7:00 -> '07')
- 5TH THRU 7TH DIGITS: JULIAN DATE (EXAMPLE: FEBRUARY 3RD -> '034')
- 8TH & 9TH DIGITS: LAST 2 DIGITS OF CALENDAR YEAR (EXAMPLE: 2013 -> '13)

M9	SHEET 5: ADDED NEW PN 349126044 TO BOM TABLE
M8	SHEET 5: ADDED 8WAY V0 GOLD PLATING PART INTO SD-DRAWING
M7	SHEET 1: UPDATED NOTES 3.g TRACKING NUMBER INFORMATION SHEET 5: ADDED STATUS INFORMATION IN CHART
M6	ADDED 2CKT GOLD TUBE P/N; UPDATED 2CKT & 8CKT PCB LAYOUT BASIC DIM TO 4.11
M5	CORRECTED 2CKT PCB SOLDER TAIL PAD WIDTHS TO 0.66; WAS 0.90
M4	REMASTERED DRAWING, ADDED V0 PART NUMBERS TO BOM
M3	ADDED NOTE ON PAGE 2, LABEL, AND PIN TP
M1	NX REMASTERING
REV	DESCRIPTION

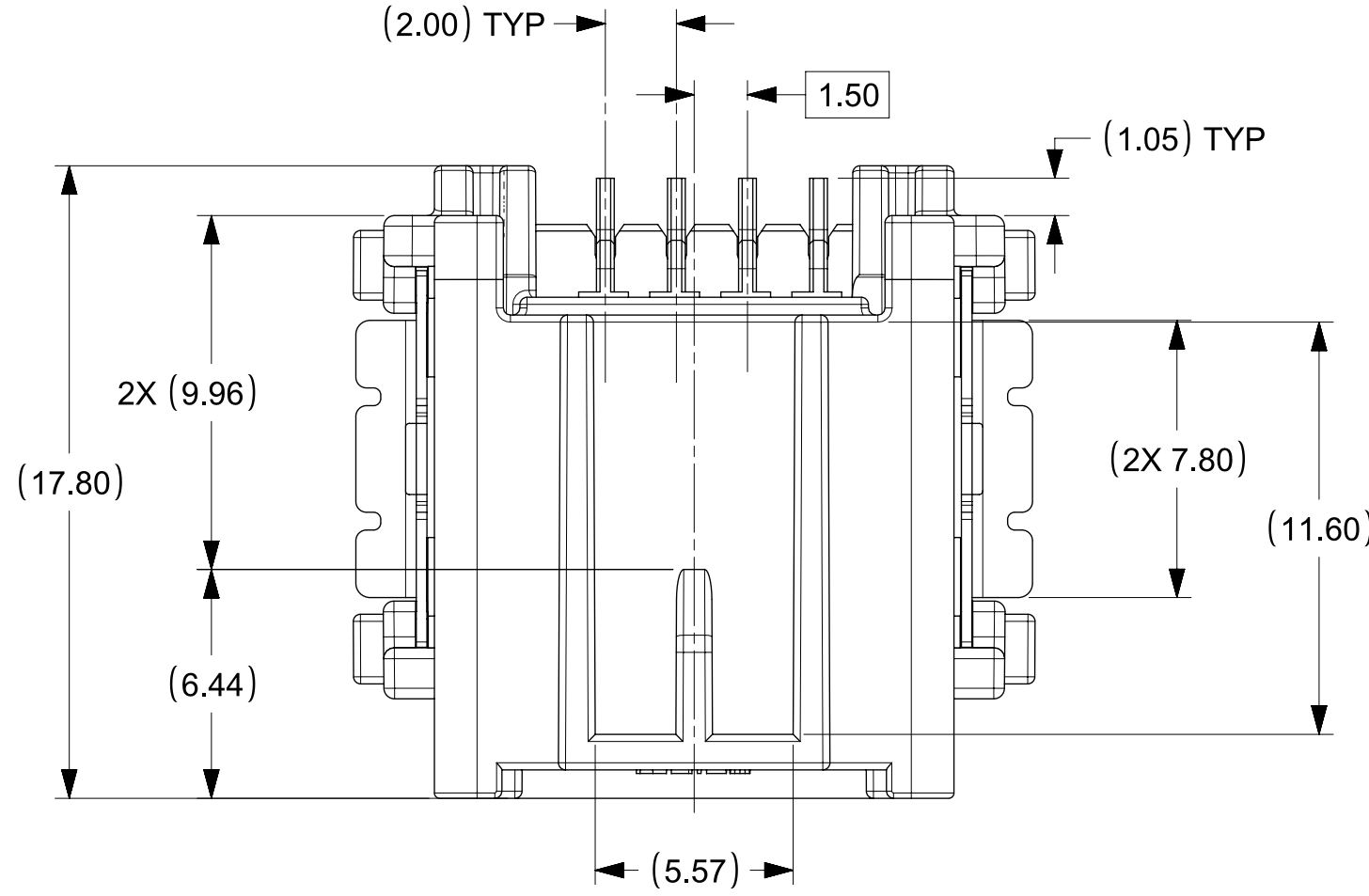
FUNCTIONAL SYMBOLS		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION									

INSPECTION BALLOON NUMBER LOG
PER DRAWING REVISION: M9
LAST BALLOON USED: 18
ADDED BALLOON NUMBERS:
REMOVED BALLOON NUMBERS:

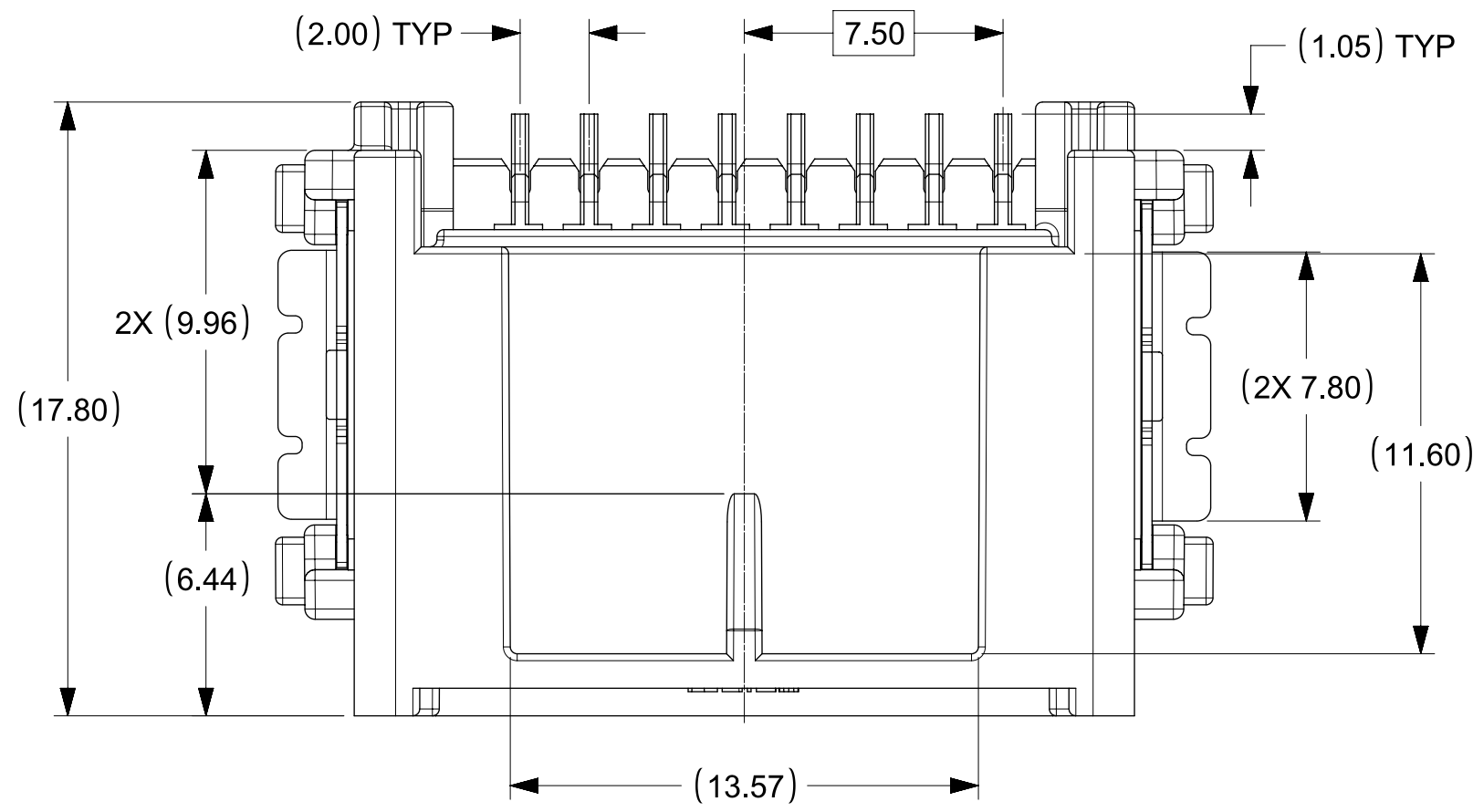
2 CKT SMT HEADER



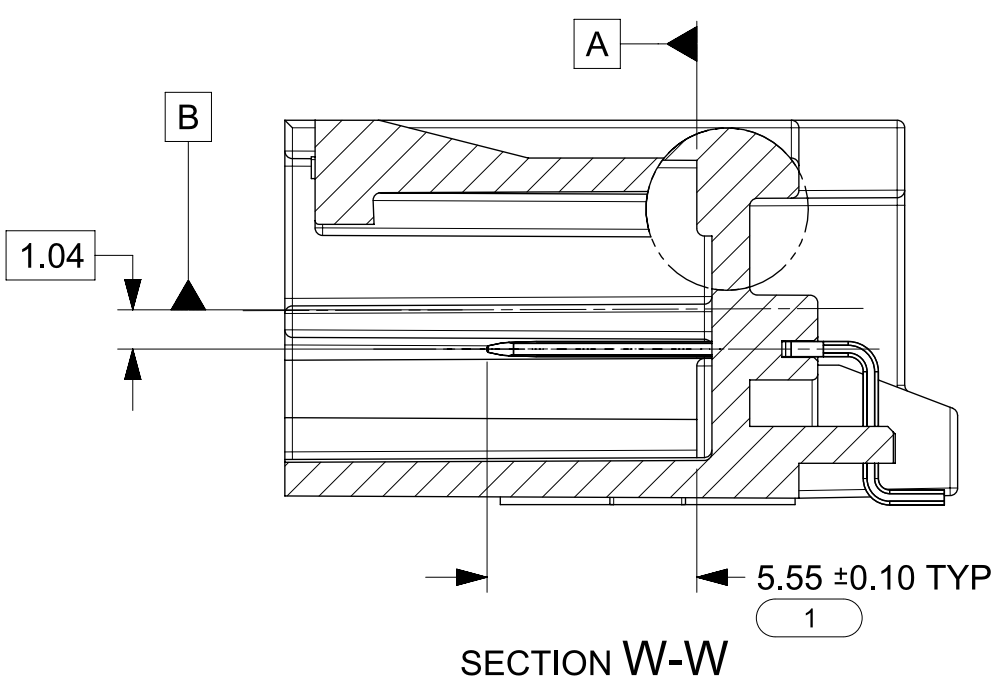
4 CKT SMT HEADER



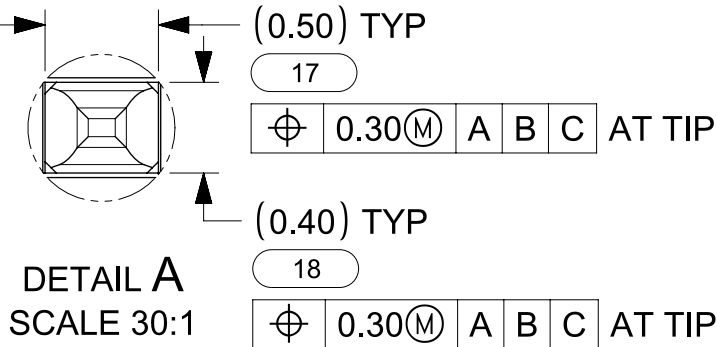
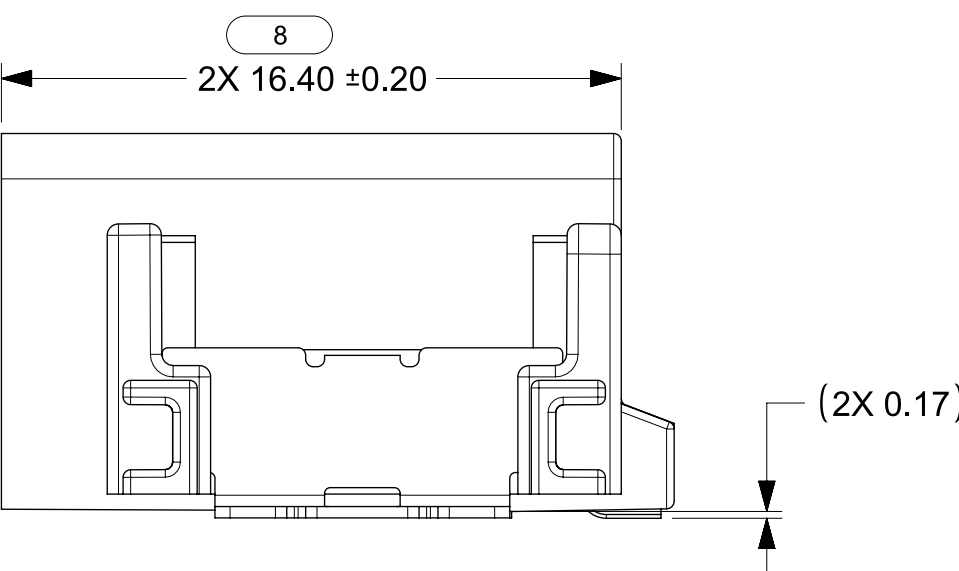
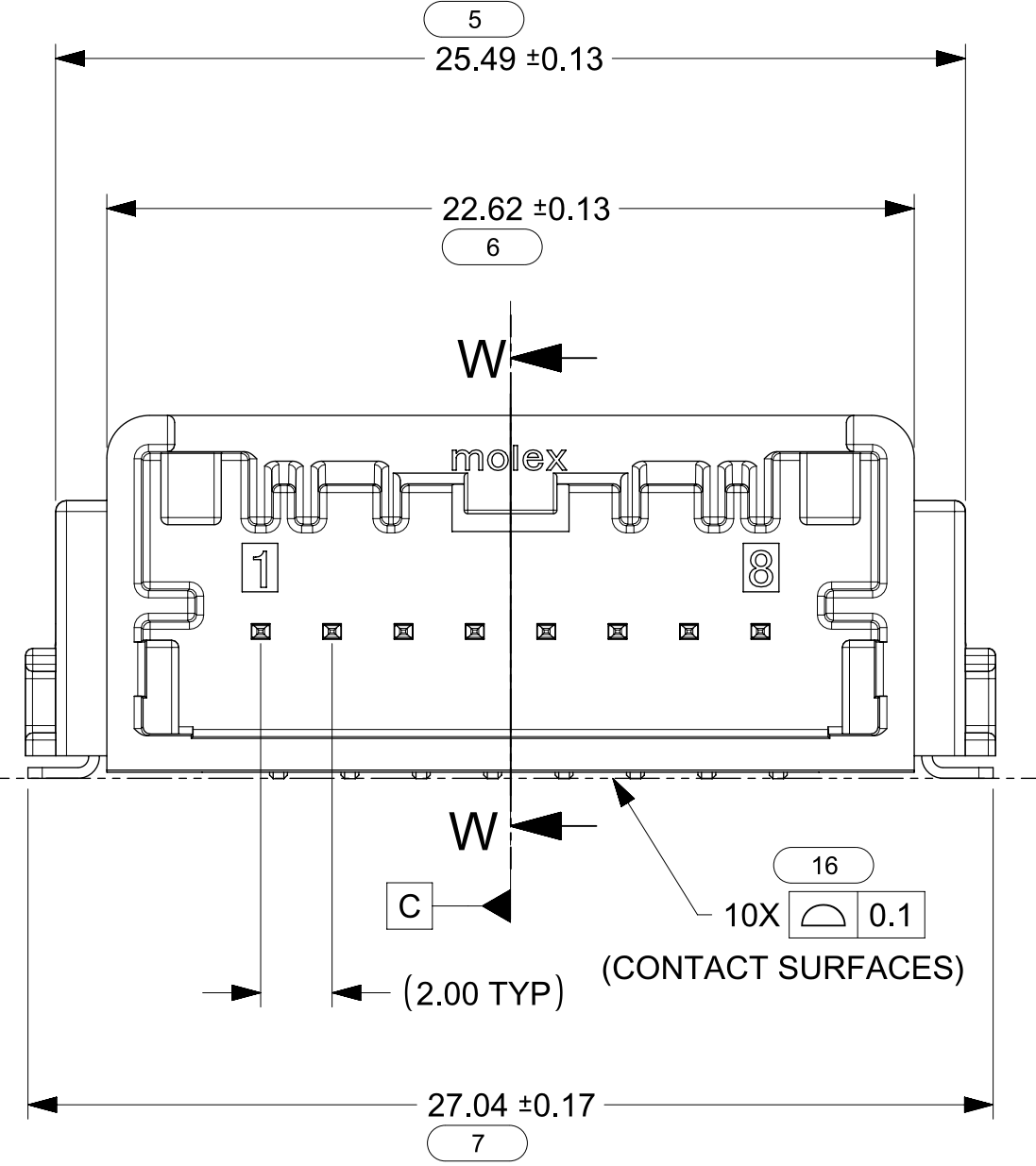
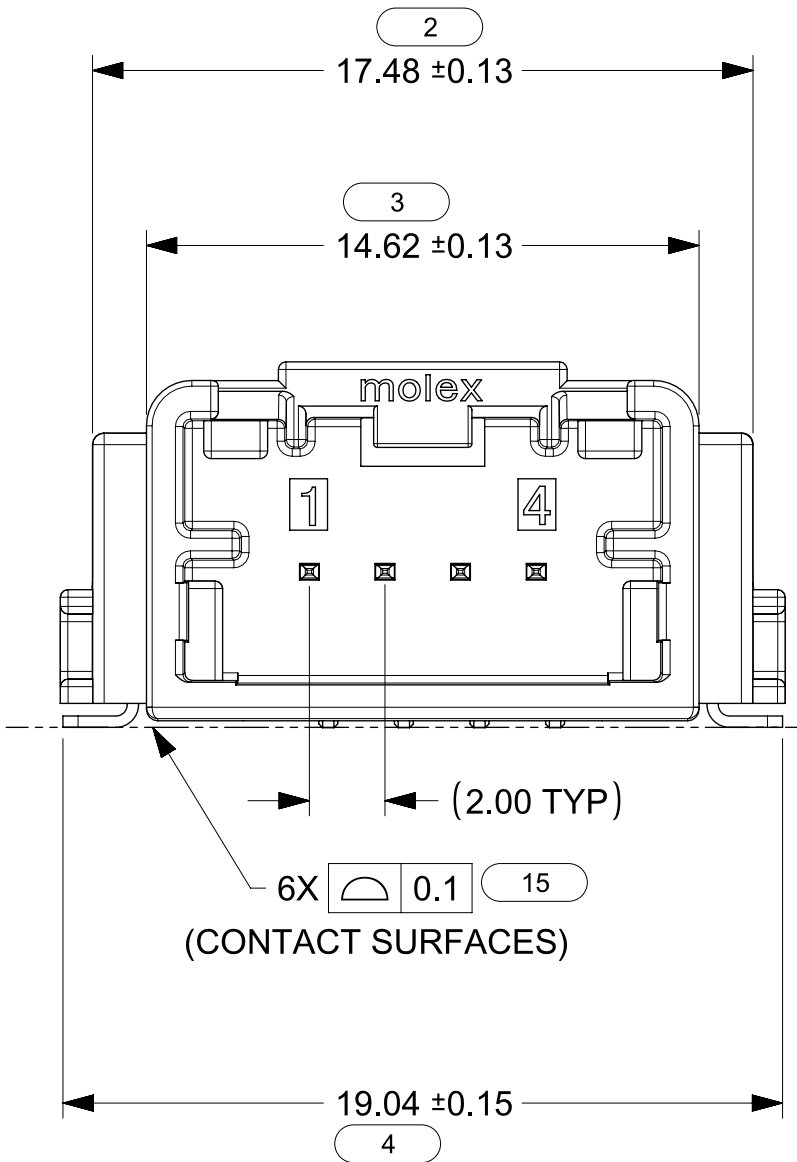
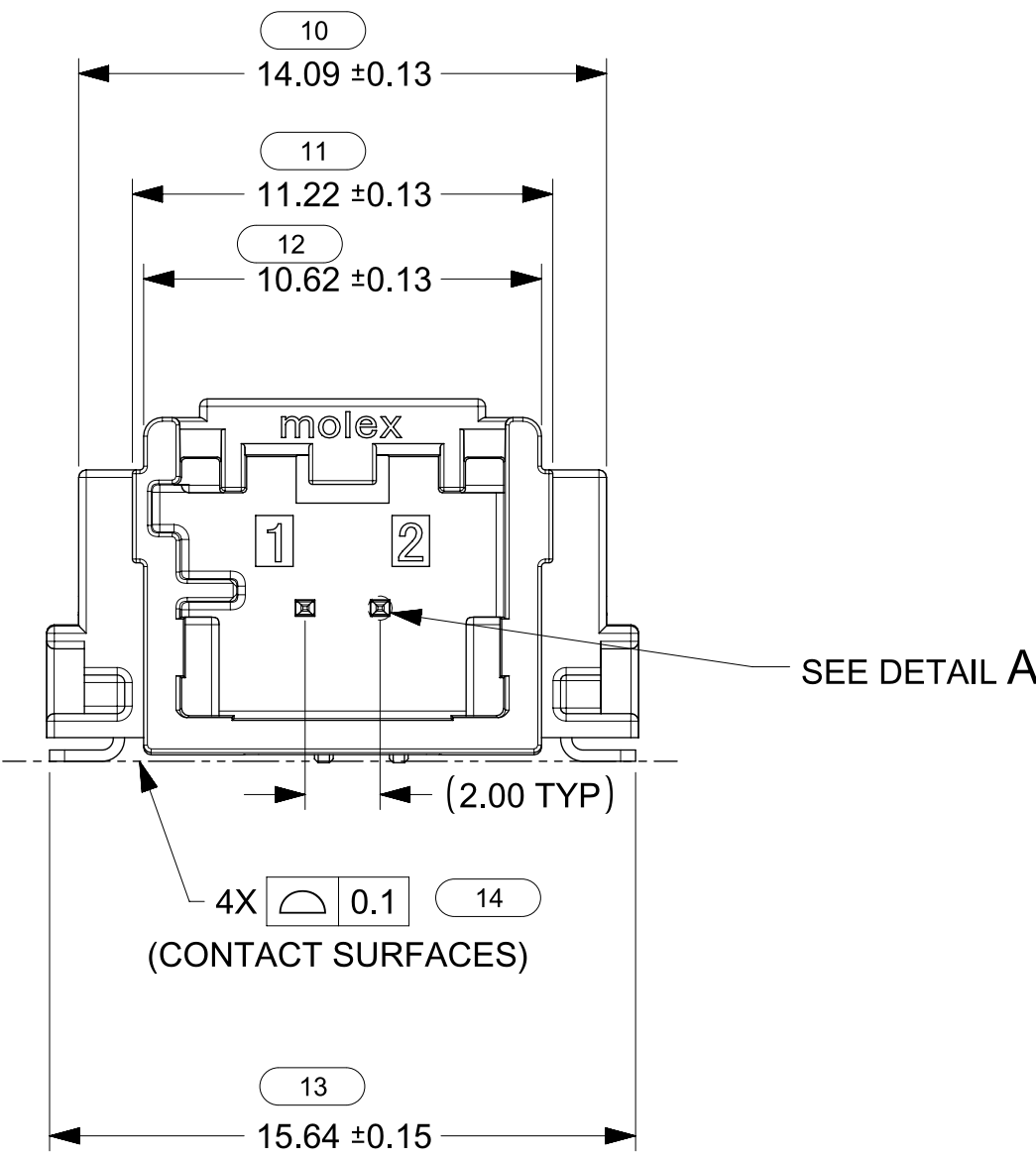
8 CKT SMT HEADER



HEADER TO PCB
FLUSH MOUNT



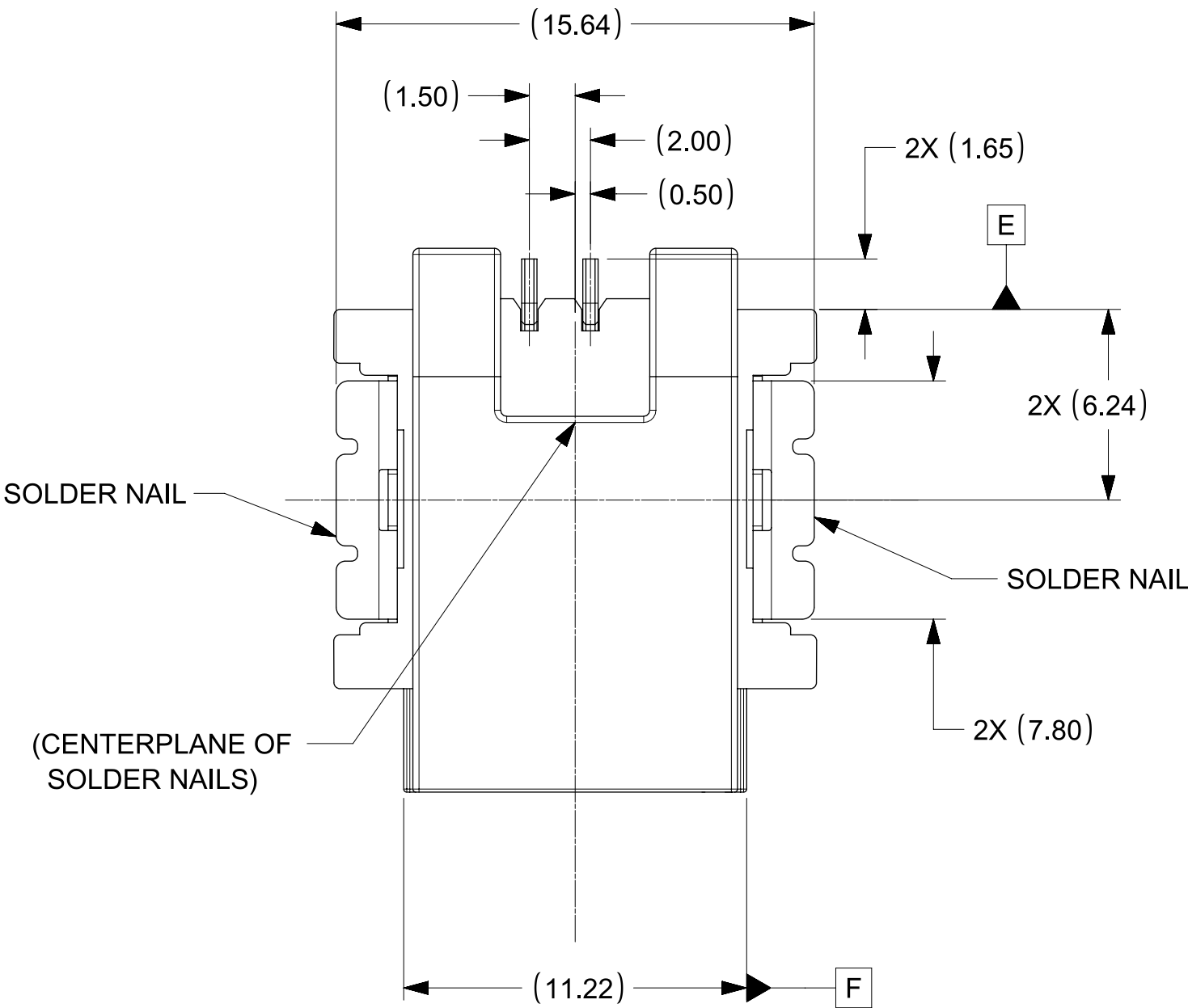
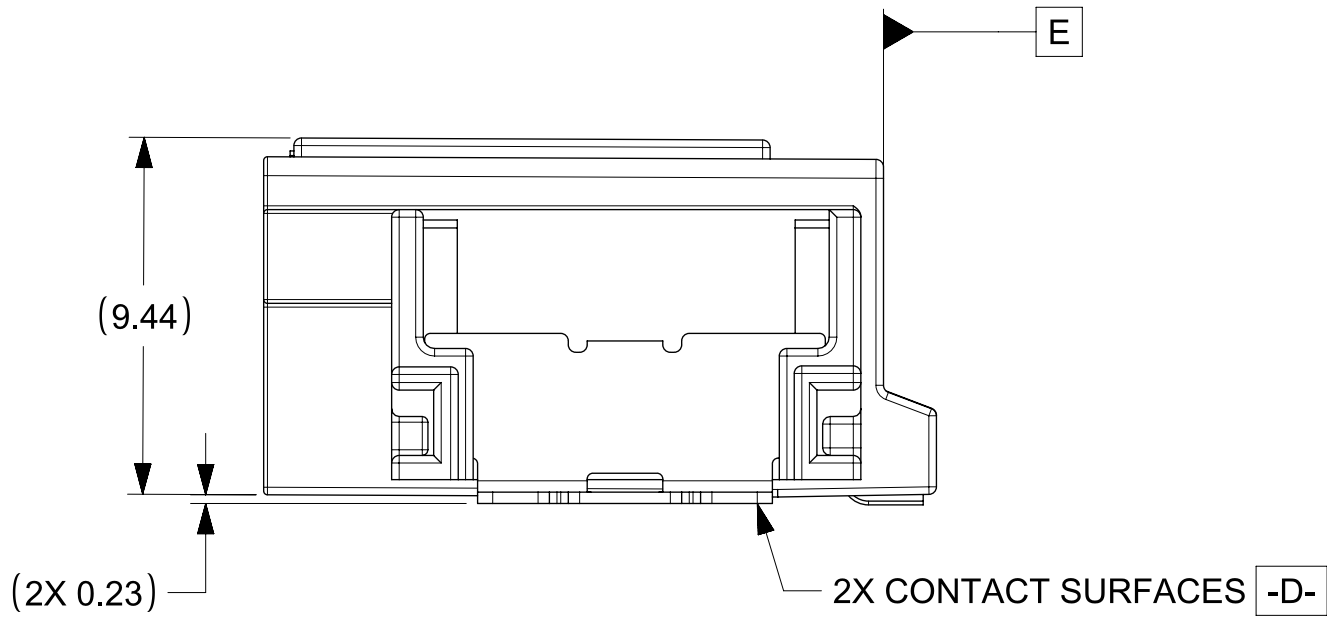
NOTE: SIDE VIEW IS SIMILAR FOR ALL CKTS ON THIS DRAWING



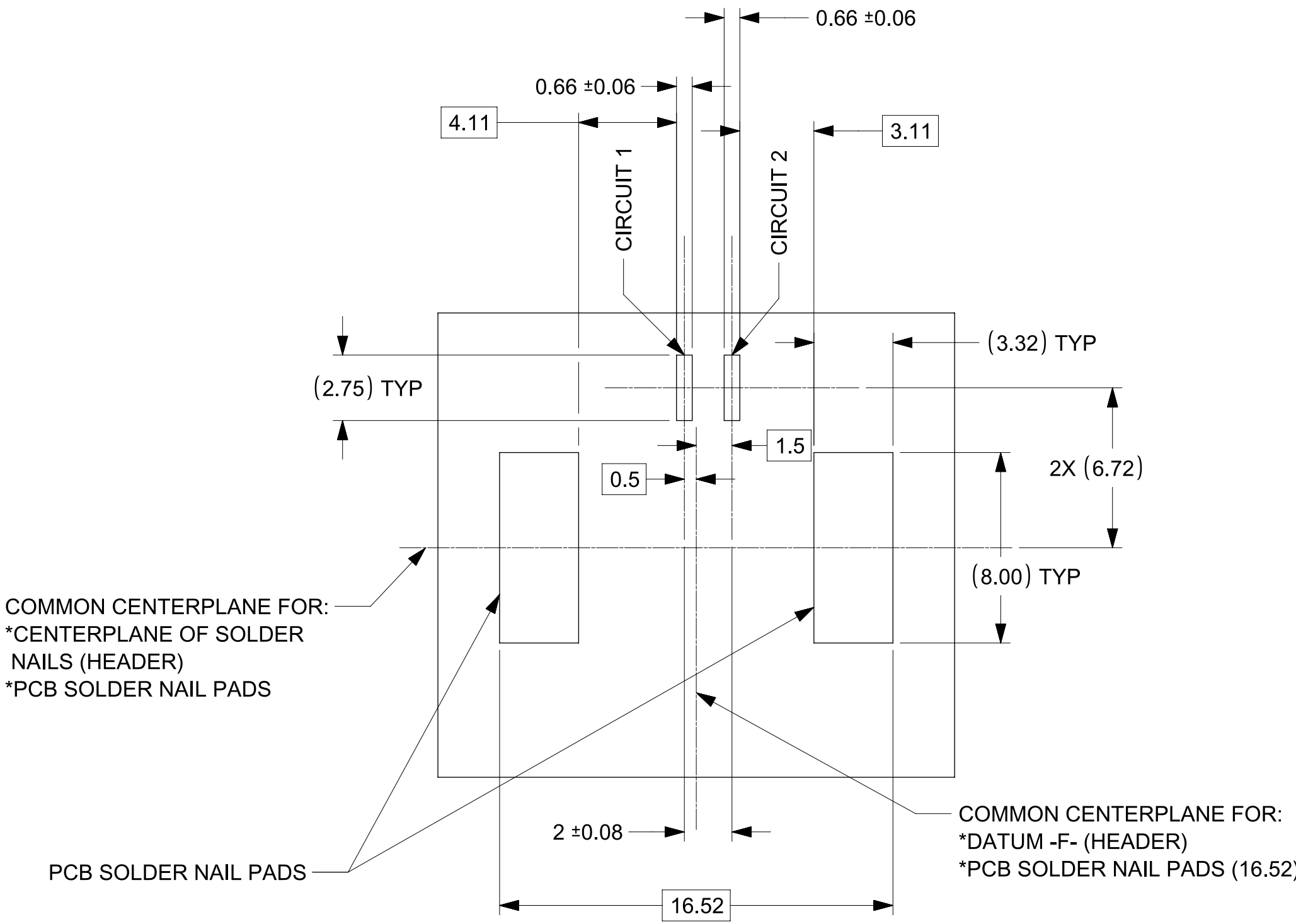
FUNCTIONAL SYMBOLS DIVISIONAL SYMBOLS	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION																													
	DIMENSION UNITS		SCALE		CURRENT REV DESC: REFER TO REVISION COLUMN																									
	MM		5:1																											
	GENERAL TOLERANCES (UNLESS SPECIFIED)				molex MINI50 2-8CKT SMT HDR SALES DWG PRODUCT CUSTOMER DRAWING <table><tr><td colspan="2">DOCUMENT NUMBER</td><td>DOC TYPE</td><td>DOC PART</td><td>REVISION</td></tr><tr><td colspan="2">SD-34912-001</td><td>PSD</td><td>000</td><td>M9</td></tr><tr><td colspan="2">MATERIAL NUMBER</td><td colspan="2">CUSTOMER</td><td>SHEET NUMBER</td></tr><tr><td colspan="2"></td><td colspan="2">GENERAL MARKET</td><td>2 OF 5</td></tr></table>						DOCUMENT NUMBER		DOC TYPE	DOC PART	REVISION	SD-34912-001		PSD	000	M9	MATERIAL NUMBER		CUSTOMER		SHEET NUMBER			GENERAL MARKET		2 OF 5
	DOCUMENT NUMBER		DOC TYPE	DOC PART							REVISION																			
	SD-34912-001		PSD	000							M9																			
	MATERIAL NUMBER		CUSTOMER								SHEET NUMBER																			
			GENERAL MARKET								2 OF 5																			
	ANGULAR TOL		± 1°																											
	4 PLACES		±																											
3 PLACES		±																												
2 PLACES		± 0.100																												
1 PLACE		± 0.20																												
0 PLACES		±																												
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				THIRD ANGLE PROJECTION		DRAWING		SERIES		2025-06-30 2025-08-20 2025-08-21																				
				D-SIZE		34912																								

RECOMMENDED PCB LAYOUT:

2 WAY:



2 WAY (BOTTOM VIEW)

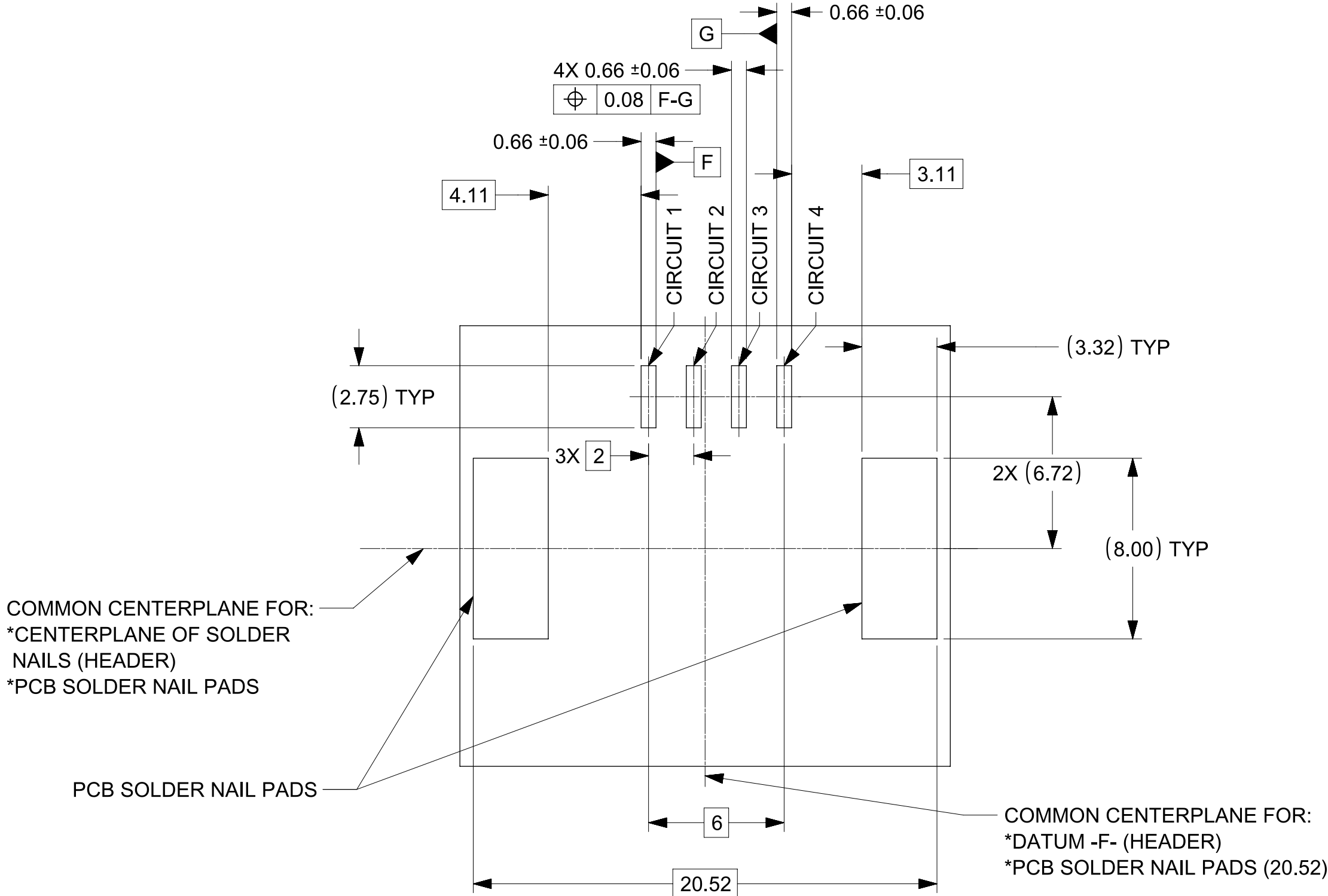
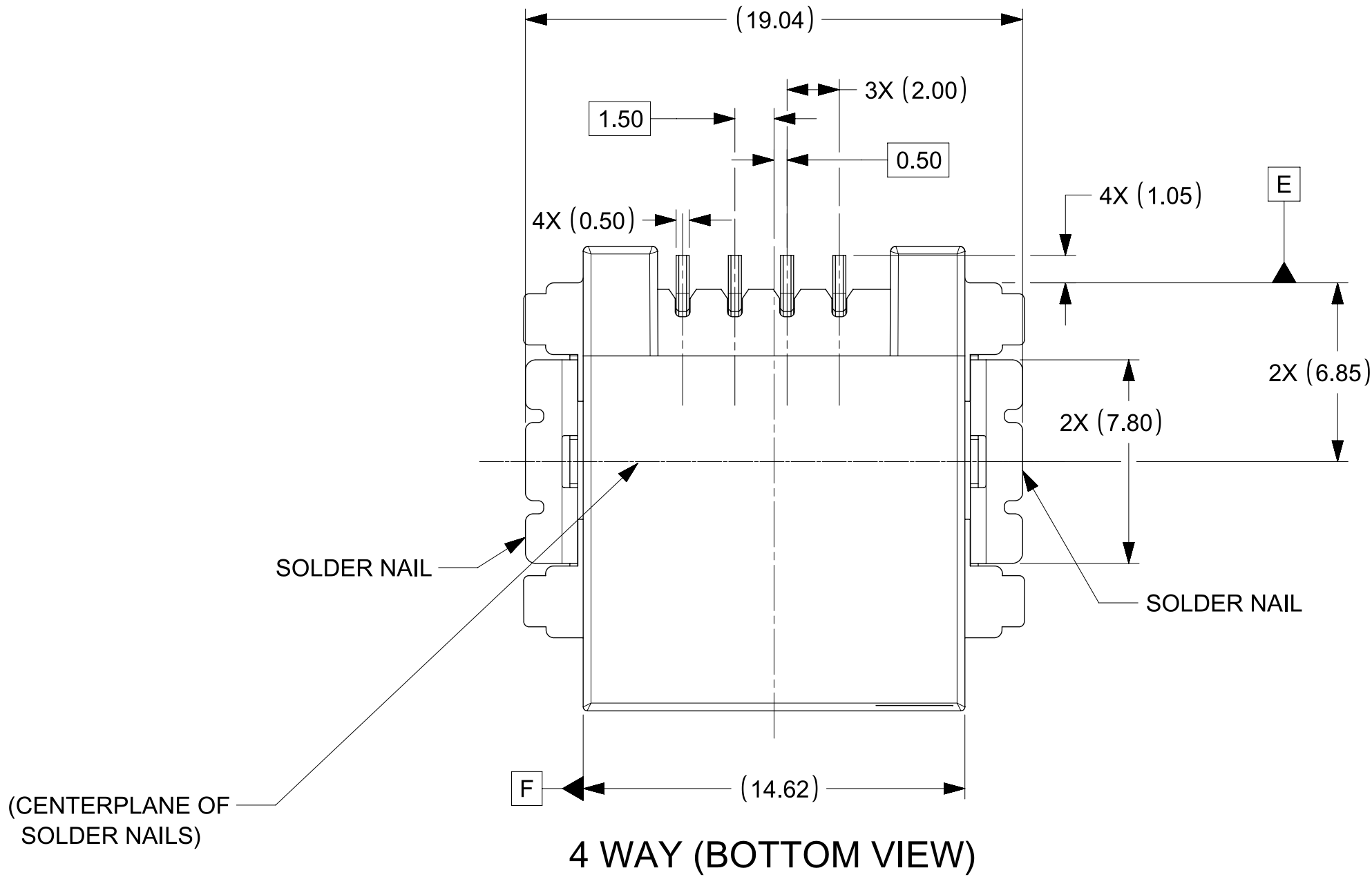
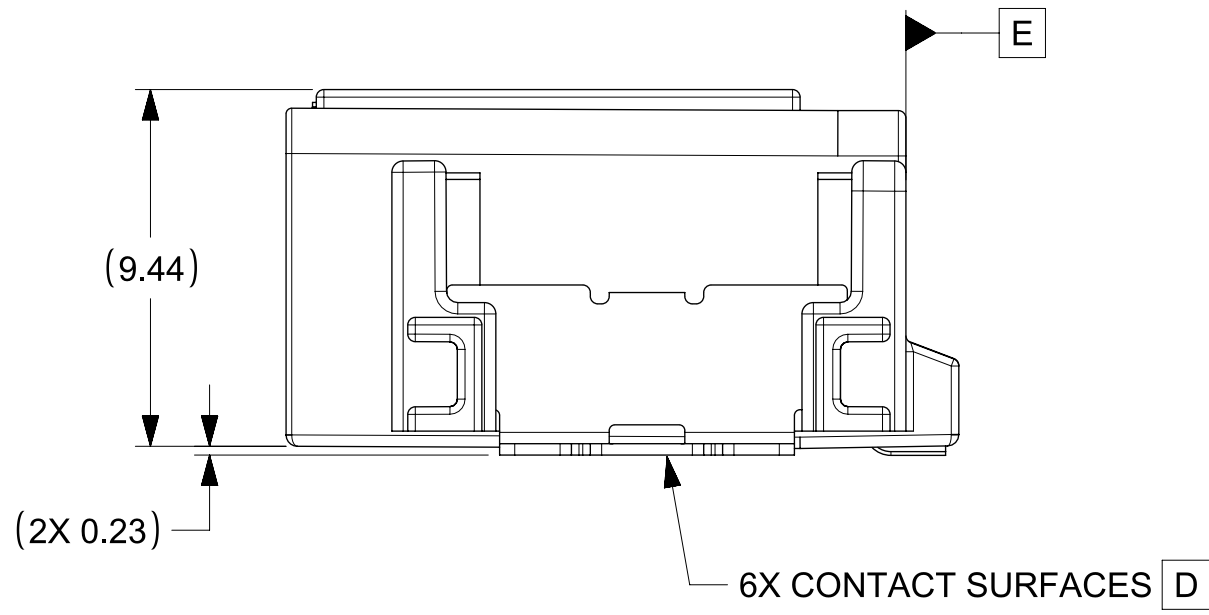


PCB LAYOUT

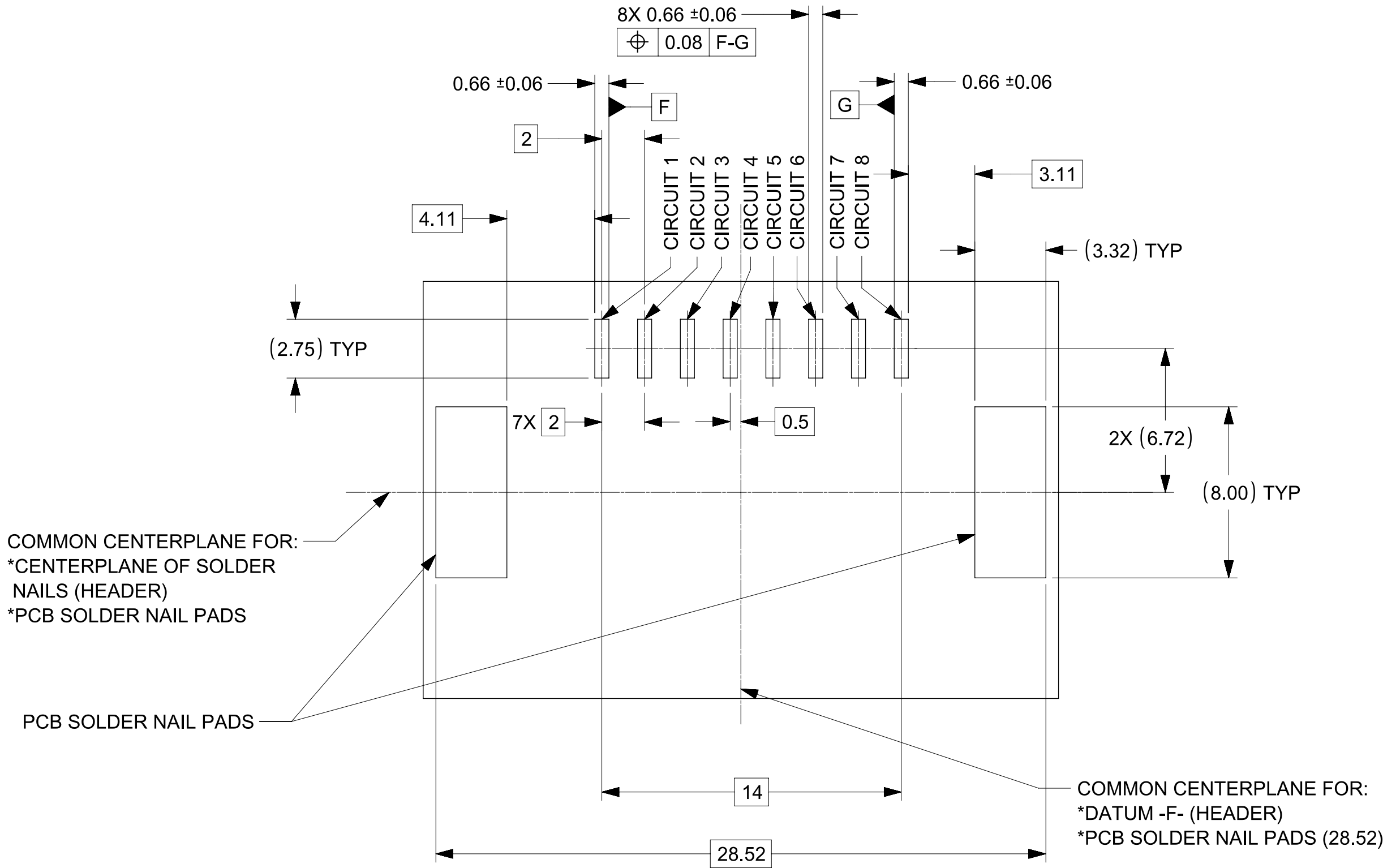
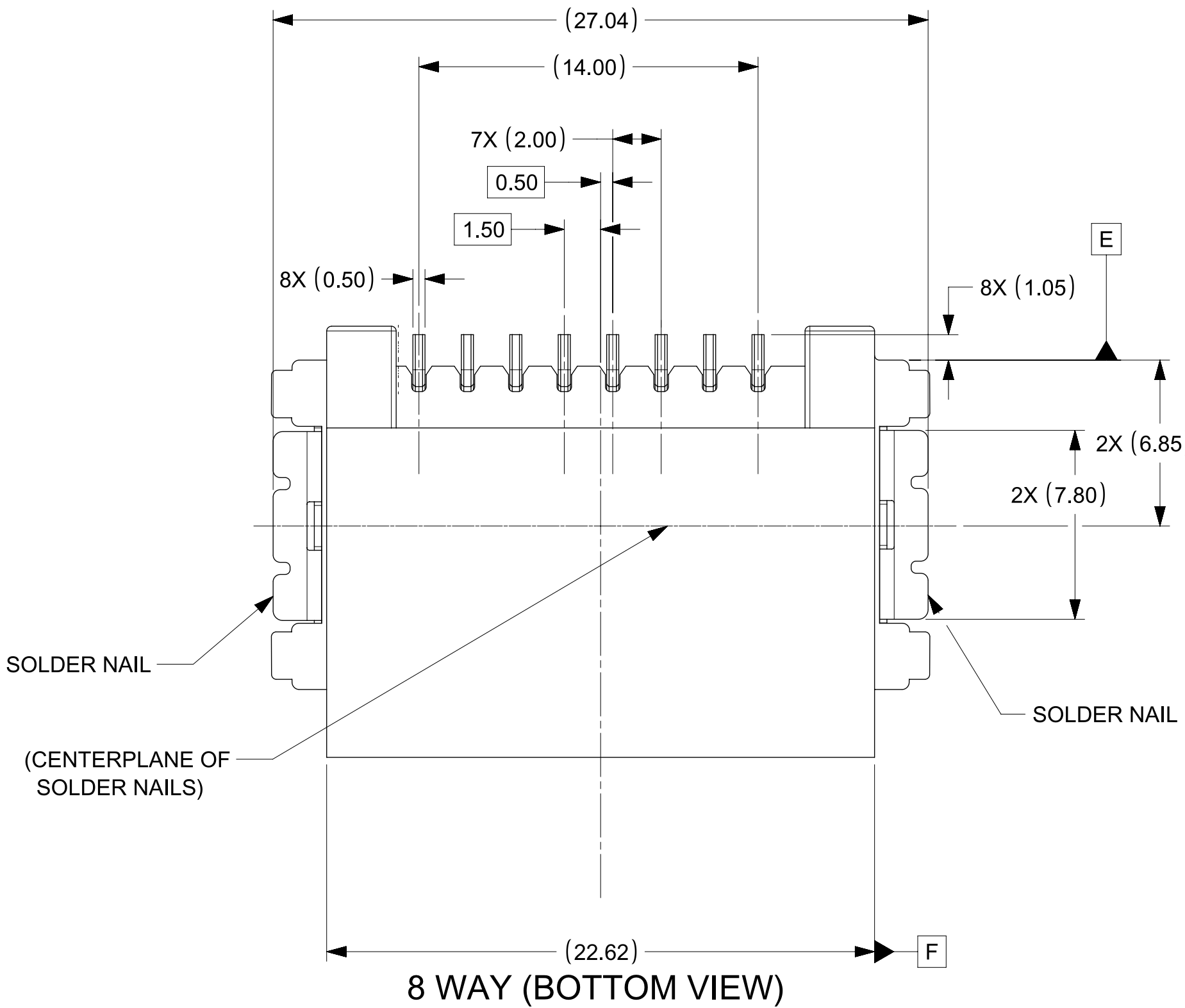
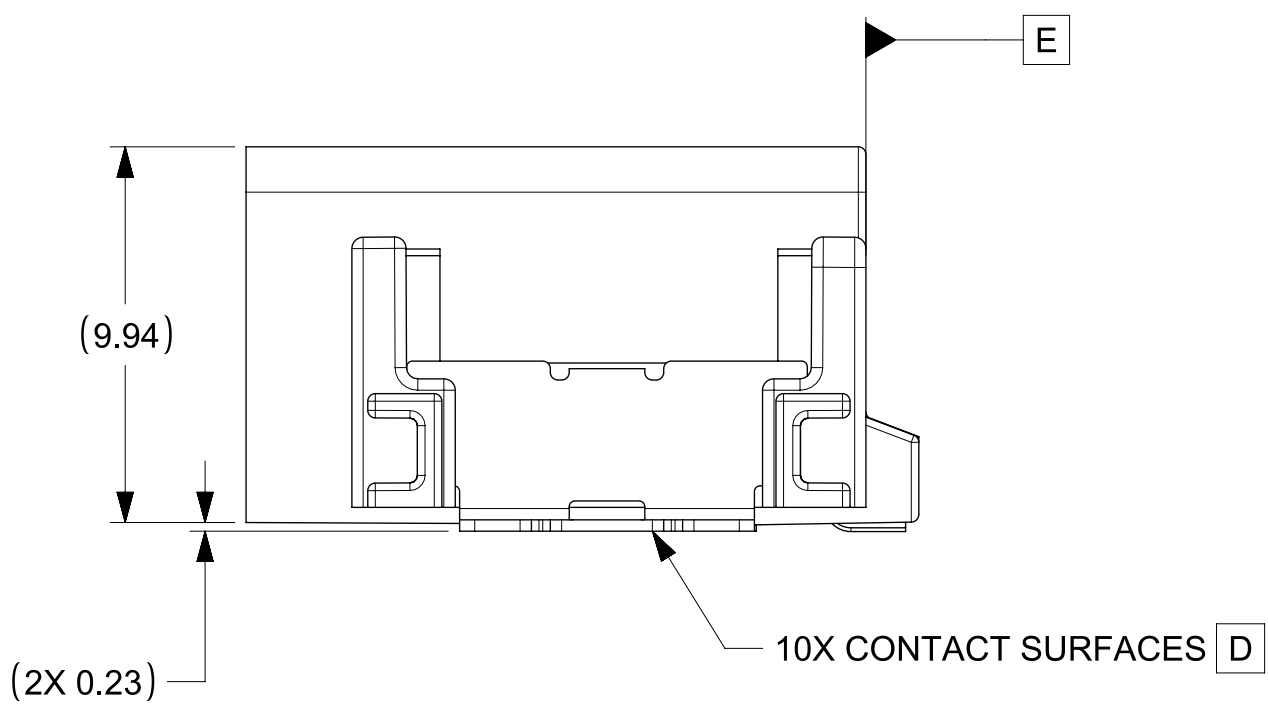
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION																							
FUNCTIONAL SYMBOLS	DIMENSION UNITS		SCALE		CURRENT REV DESC: REFER TO REVISION COLUMN																		
	MM		5:1																				
	GENERAL TOLERANCES (UNLESS SPECIFIED)																						
	ANGULAR TOL ± 1°																						
	4 PLACES ±																						
	3 PLACES ±																						
DIVISIONAL SYMBOLS	2 PLACES ± 0.100				STATUS: Production DRWN: Leo Li 2025-06-30 CHK'D: Leo Li 2025-08-20 APPR: Wolfian Wang 2025-08-21																		
	1 PLACE ± 0.20																						
	0 PLACES ±																						
	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS											THIRD ANGLE PROJECTION		DRAWING		SERIES		MATERIAL NUMBER		CUSTOMER		SHEET NUMBER	
														D-SIZE		34912				GENERAL MARKET		3 OF 5	

RECOMMENDED PCB LAYOUT:

4 WAY:



8 WAY:



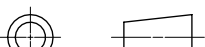
FUNCTIONAL SYMBOLS $\frac{F}{A} = 0$ $\frac{F}{C} = 0$ $\frac{F}{P} = 0$ DIVISIONAL SYMBOLS	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION												
	DIMENSION UNITS MM		SCALE 5:1		CURRENT REV DESC: REFER TO REVISION COLUMN								
	GENERAL TOLERANCES (UNLESS SPECIFIED)				STATUS: Production DRWN: Leo Li CHK'D: Leo Li APPR: Wolfian Wang 2025-06-30 2025-08-20 2025-08-21								
	ANGULAR TOL		± 1°										
	4 PLACES		±										
3 PLACES		±		DOCUMENT NUMBER SD-34912-001		DOC TYPE PSD		DOC PART 000		REVISION M9			
2 PLACES		± 0.100		MATERIAL NUMBER		CUSTOMER GENERAL MARKET		SHEET NUMBER 4 OF 5					
1 PLACE		± 0.20		THIRD ANGLE PROJECTION 		DRAWING D-SIZE		SERIES 34912					
0 PLACES		±											
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS													

GOLD:

M9

TIN:

MATERIAL NUMBER TUBE PACKAGING PK-31301-688	MATERIAL NUMBER TAPE AND REEL PACKAGING PK-31301-786	FLAMMABILITY	CIRCUIT	POL	COLOR	BLADE PLATING	MATING COMPONENT			STATUS
							UN-BRIDGED	BRIDGED	W/CPA	
34912-9020	34912-8020	HB	2	A	BLACK	TIN OVER NICKEL	N/A	34791-0020	N/A	SALEABLE
34912-9021	34912-8021	HB	2	B	GREY	TIN OVER NICKEL	N/A	34791-0021	N/A	SALEABLE
34912-9022	34912-8022	HB	2	C	DARK GRAY	TIN OVER NICKEL	N/A	34791-0022	N/A	SALEABLE
34912-9023	34912-8023	HB	2	D	GREEN	TIN OVER NICKEL	N/A	34791-0023	N/A	SALEABLE
34912-9040	34912-8040	HB	4	A	BLACK	TIN OVER NICKEL	34791-0040	34791-0140	34791-5140	SALEABLE
34912-9041	34912-8041	HB	4	B	GREY	TIN OVER NICKEL	34791-0041	34791-0141	34791-5141	SALEABLE
34912-9042	34912-8042	HB	4	C	DARK GRAY	TIN OVER NICKEL	34791-0042	34791-0142	34791-5142	SALEABLE
34912-9043	34912-8043	HB	4	D	GREEN	TIN OVER NICKEL	34791-0043	34791-0143	34791-5143	SALEABLE
34912-9080	34912-8080	HB	8	A	BLACK	TIN OVER NICKEL	34791-0080	34791-0180	34791-5180	SALEABLE
34912-9081	34912-8081	HB	8	B	GREY	TIN OVER NICKEL	34791-0081	34791-0181	34791-5181	SALEABLE
34912-9082	34912-8082	HB	8	C	DARK GRAY	TIN OVER NICKEL	34791-0082	34791-0182	34791-5182	SALEABLE
2154229080	2154228080	V0	8	A	BLACK	TIN OVER NICKEL	34791-0080	34791-0180	34791-5180	SALEABLE
2154229081	2154228081	V0	8	B	GREY	TIN OVER NICKEL	34791-0081	34791-0181	34791-5181	SALEABLE
2154229082	2154228082	V0	8	C	DARK GRAY	TIN OVER NICKEL	34791-0082	34791-0182	34791-5182	SALEABLE

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: REFER TO REVISION COLUMN			molex				
	MM		1:1									
	GENERAL TOLERANCES (UNLESS SPECIFIED)							MINI50 2-8CKT SMT HDR SALES DWG				
ANGULAR TOL ± 1°												
4 PLACES ±												
DIVISIONAL SYMBOLS	3 PLACES ±				STATUS: Production DRWN: Leo Li 2025-06-30 CHK'D: Leo Li 2025-08-20 APPR: Wolffian Wang 2025-08-21			PRODUCT CUSTOMER DRAWING				
	2 PLACES ± 0.100							DOCUMENT NUMBER		DOC TYPE	DOC PART	REVISION
	1 PLACE ± 0.20							SD-34912-001		PSD	000	M9
	0 PLACES ±											
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION		DRAWING		SERIES		MATERIAL NUMBER		CUSTOMER	SHEET NUMBER	
				D-SIZE		34912				GENERAL MARKET		5 OF 5