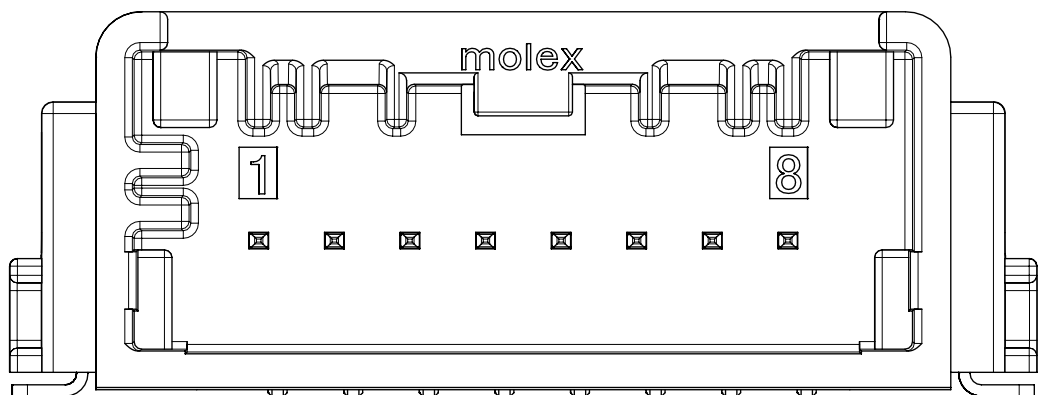
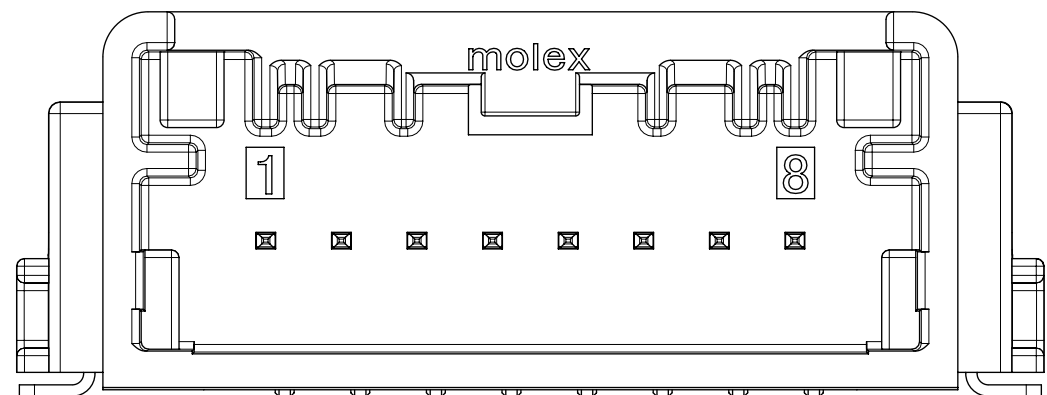
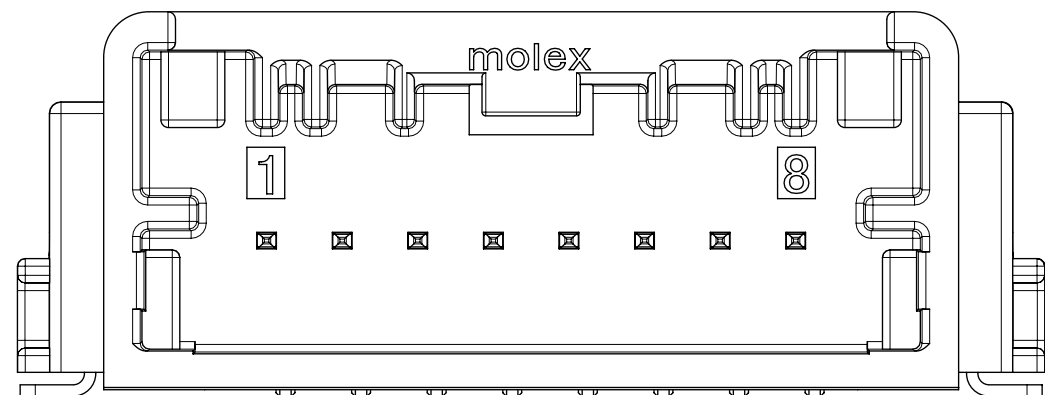
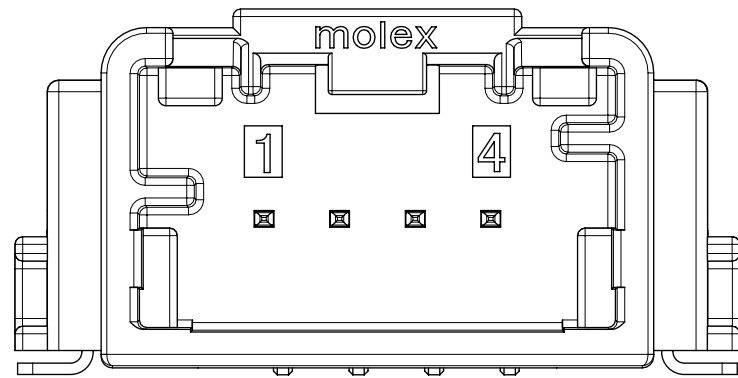
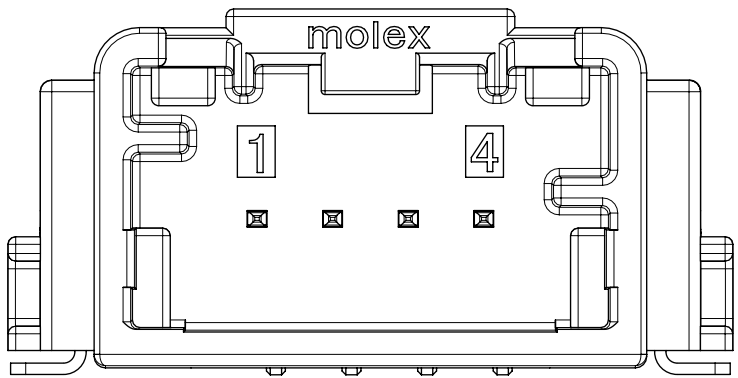
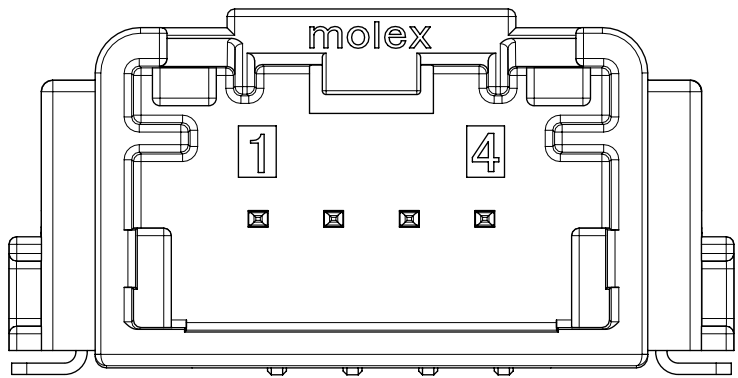
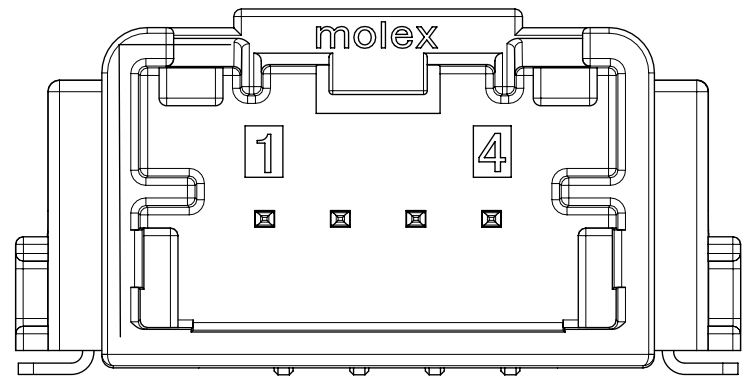
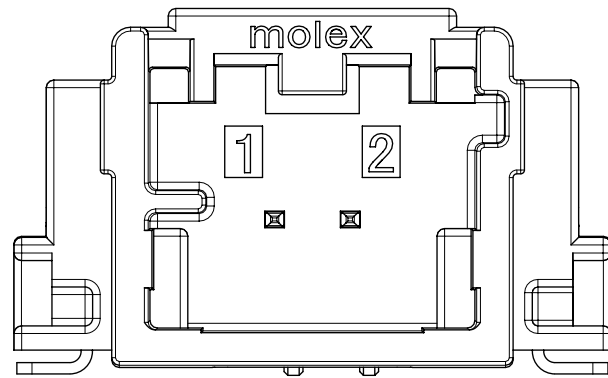
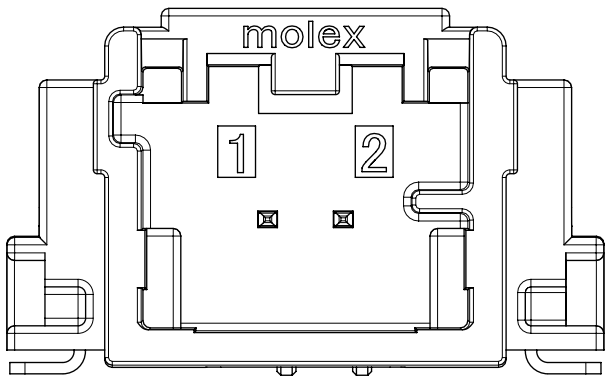
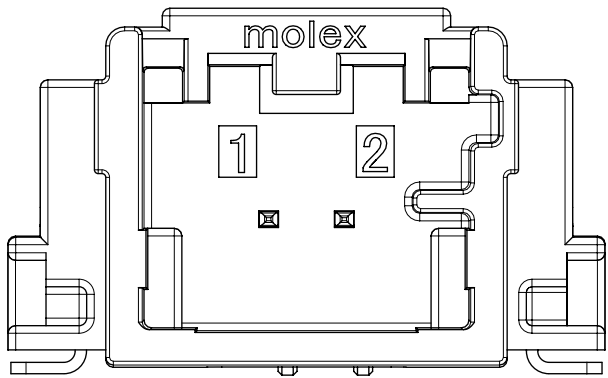
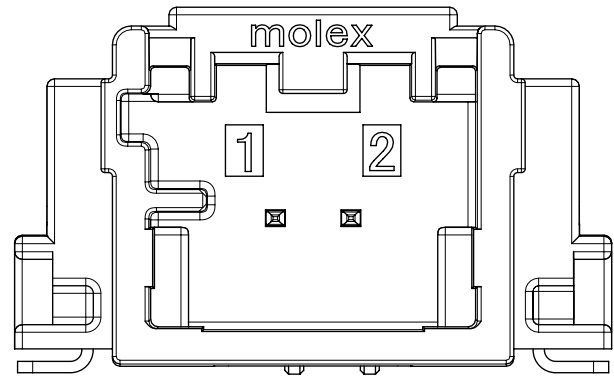




NOTES: VALID UNLESS OTHERWISE SPECIFIED

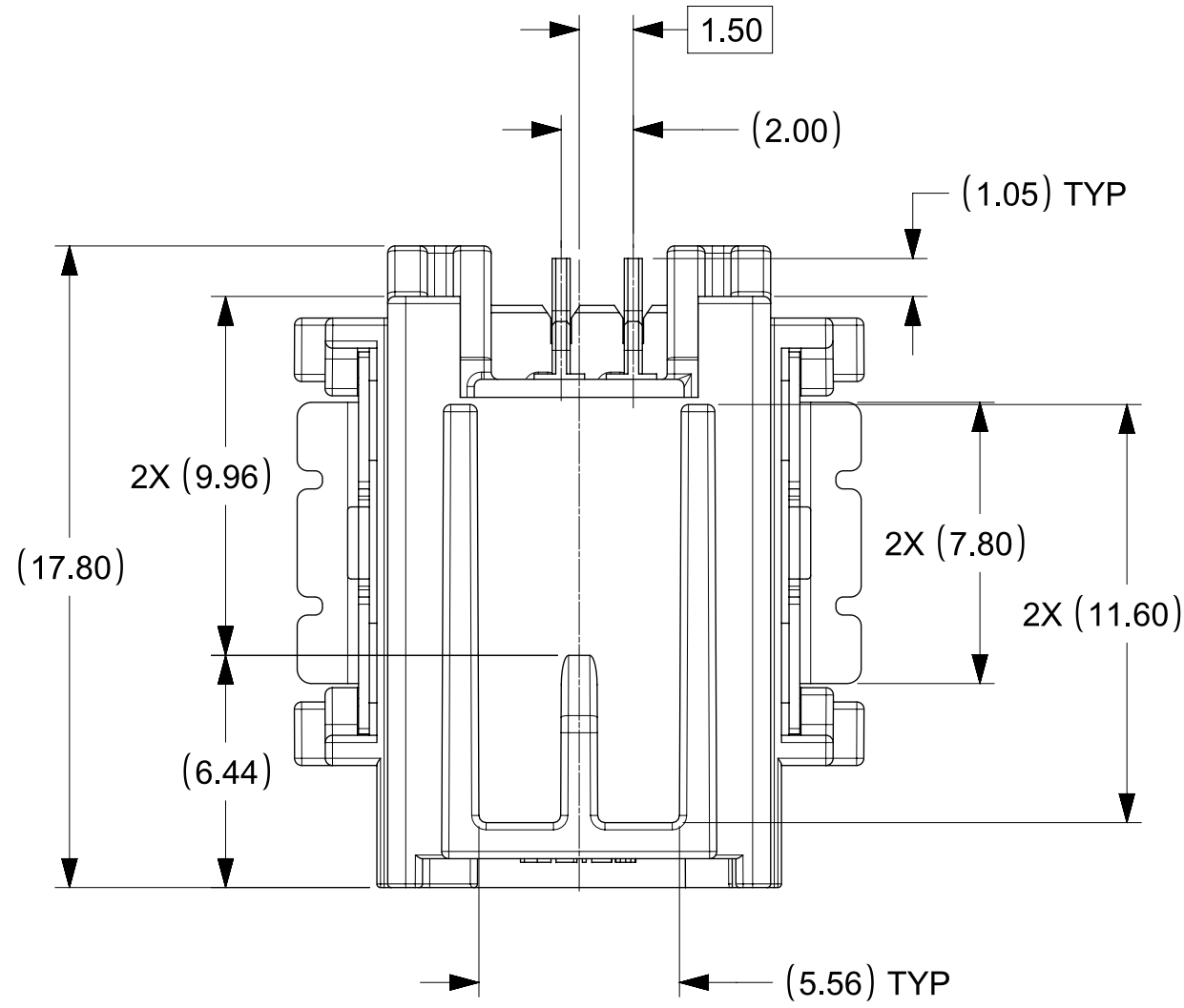
1. GENERAL:
 - a. APPLICATION SPECIFICATION SEE: AS-34791-020
 - b. PRODUCT SPECIFICATION SEE: PS-34791-020
 - c. PACKAGING SPECIFICATION PER MOLEX DRAWING: SEE CHART
 - d. SOLDERABILITY PER SMES-152
 - e. PARTS MUST BE IN COMPLIANCE TO MOLEX CHEMICAL SUBSTANCES FOR PRODUCTS AND PACKAGING SPECIFICATION: 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 (XXXX-XX): MOLEX SINGLE ROW SMT HEADER SERIES NUMBER (34912); ASSEMBLY NUMBER (-XX)
 - ROW 2 (MMHHDDYY):
 - 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

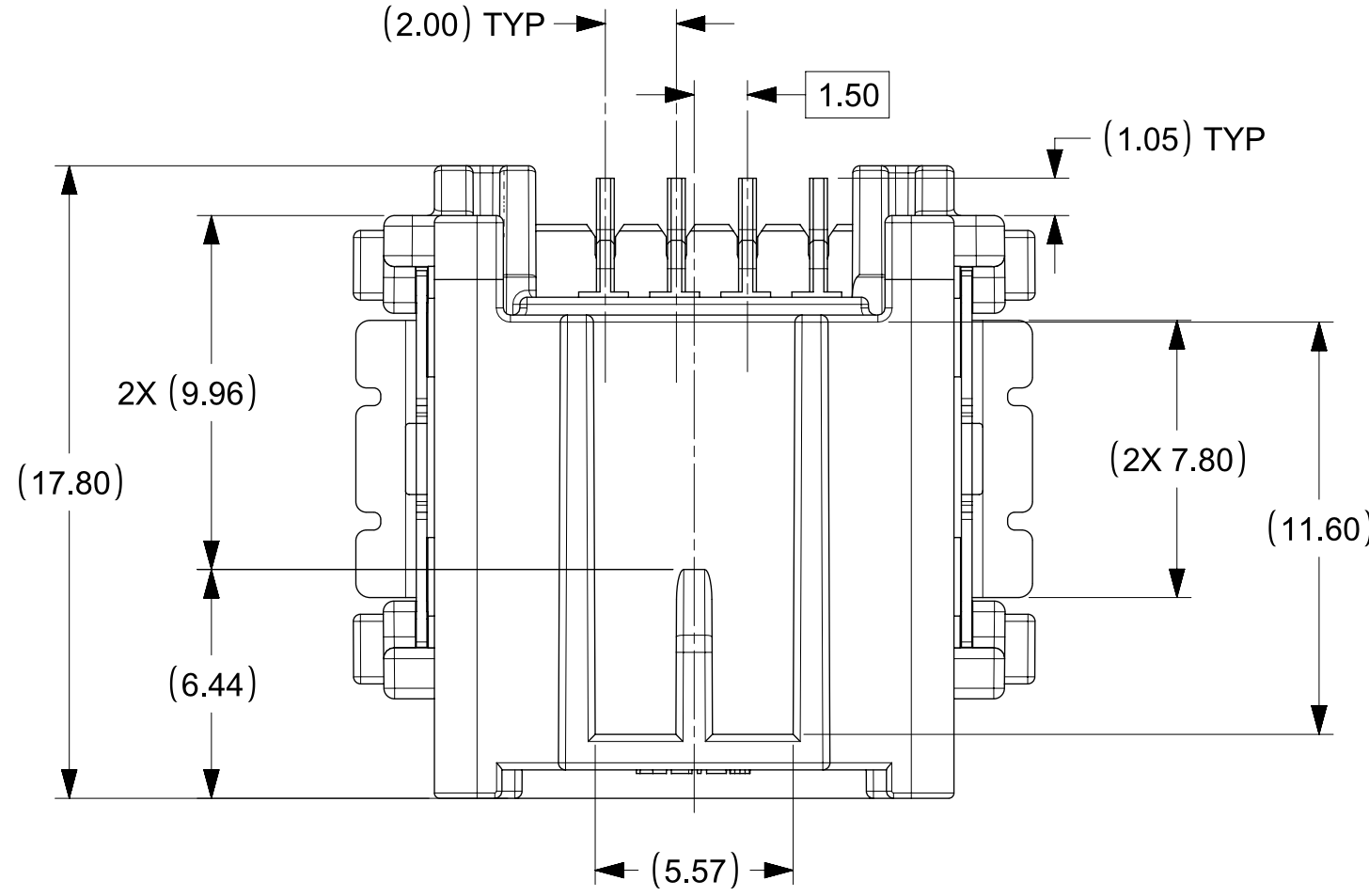
FUNCTIONAL SYMBOLS		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION																				
= 0		DIMENSION UNITS		SCALE		CURRENT REV DESC: REFER TO REVISION COLUMN					molex											
= 0		GENERAL TOLERANCES (UNLESS SPECIFIED)													MINI50 2-8CKT SMT HDR SALES DWG							
= 0		ANGULAR TOL ± 1°																				
DIVISIONAL SYMBOLS		4 PLACES		±							STATUS: Production DRWN: Leo Li 2025-06-30 CHK'D: Leo Li 2025-08-20 APPR: Wolfian Wang 2025-08-21					DOCUMENT NUMBER				DOC TYPE	DOC PART	REVISION
		3 PLACES		±												SD-34912-001				PSD	000	M9
		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								
						D-SIZE		34912				GENERAL MARKET		1 OF 5								

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

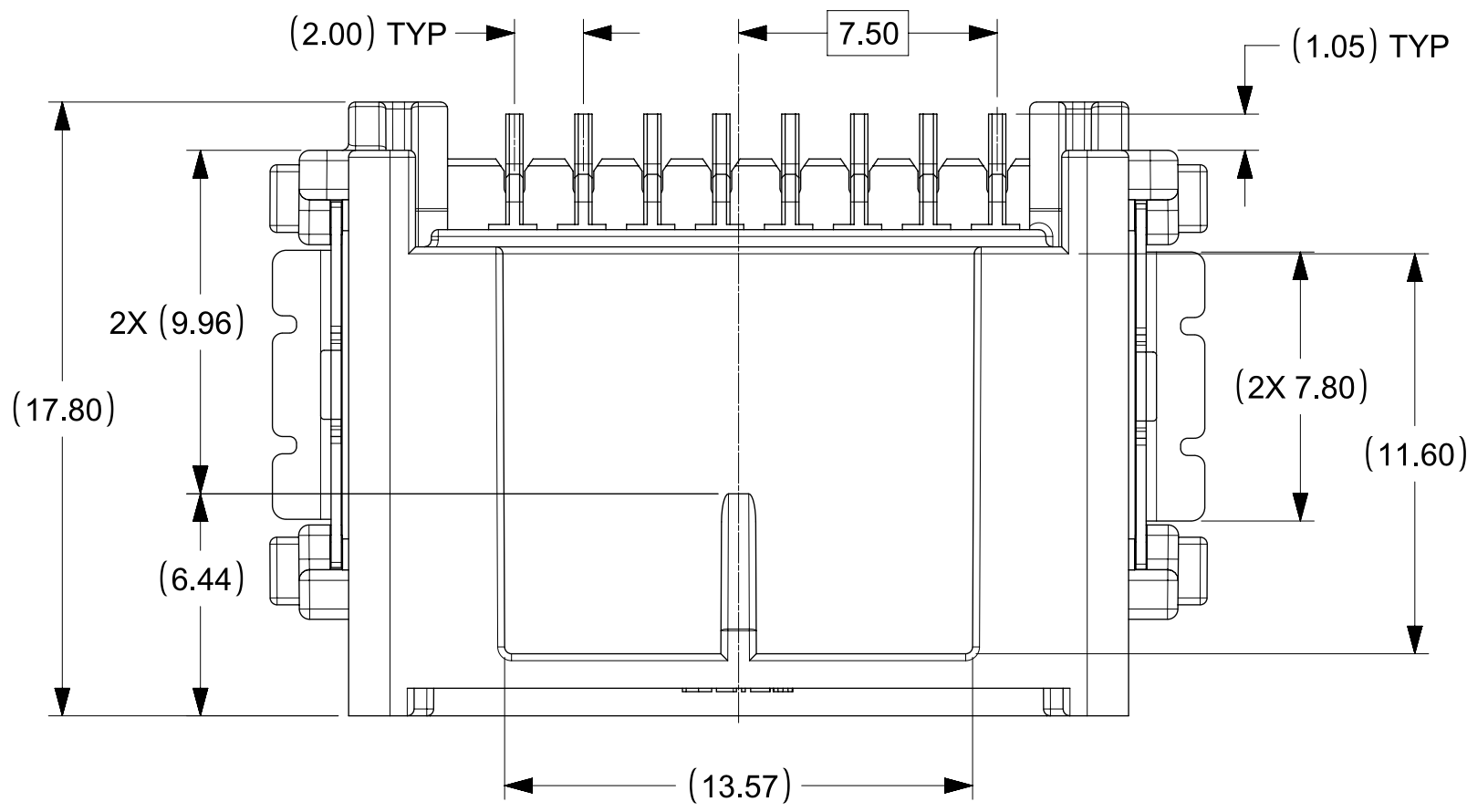
2 CKT SMT HEADER



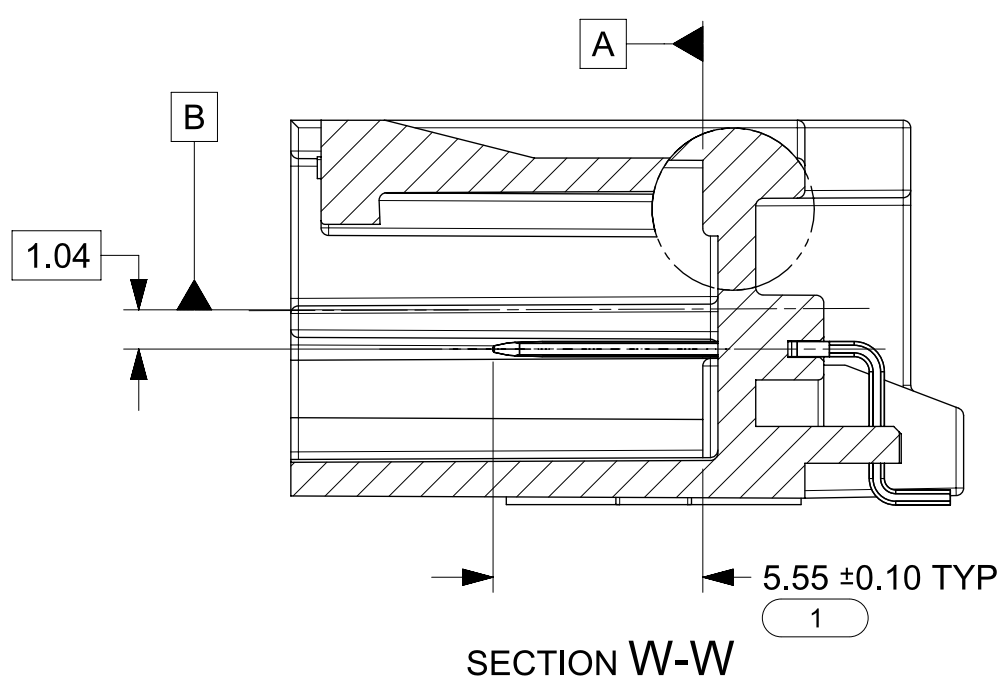
4 CKT SMT HEADER



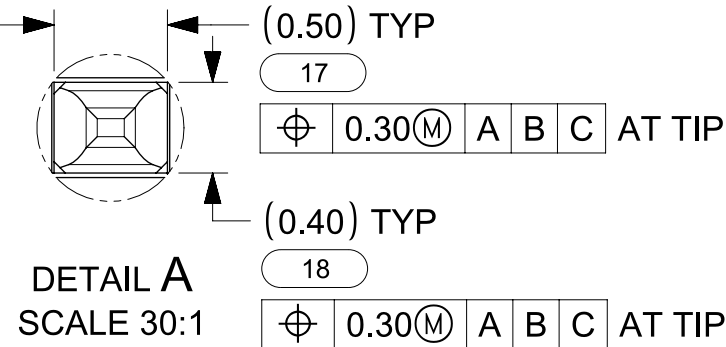
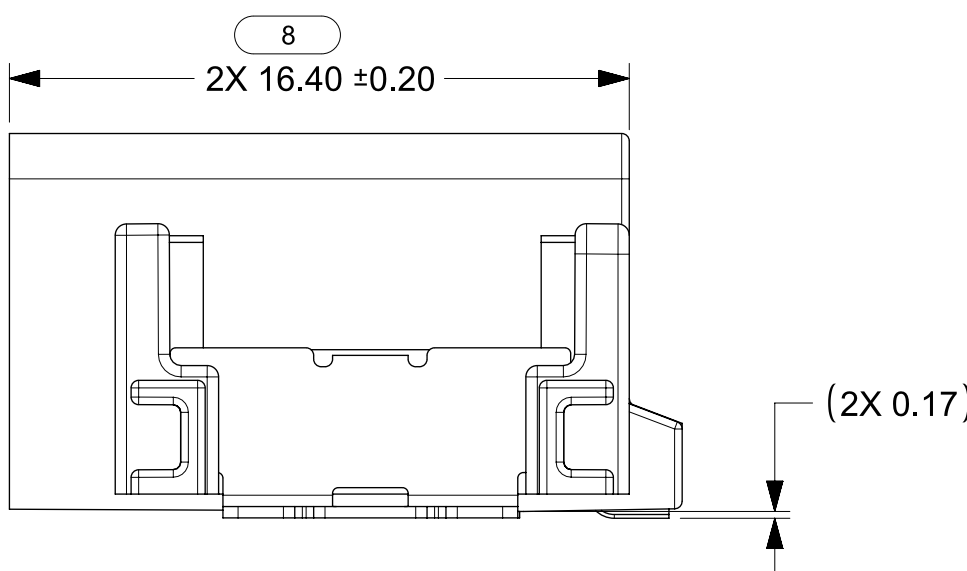
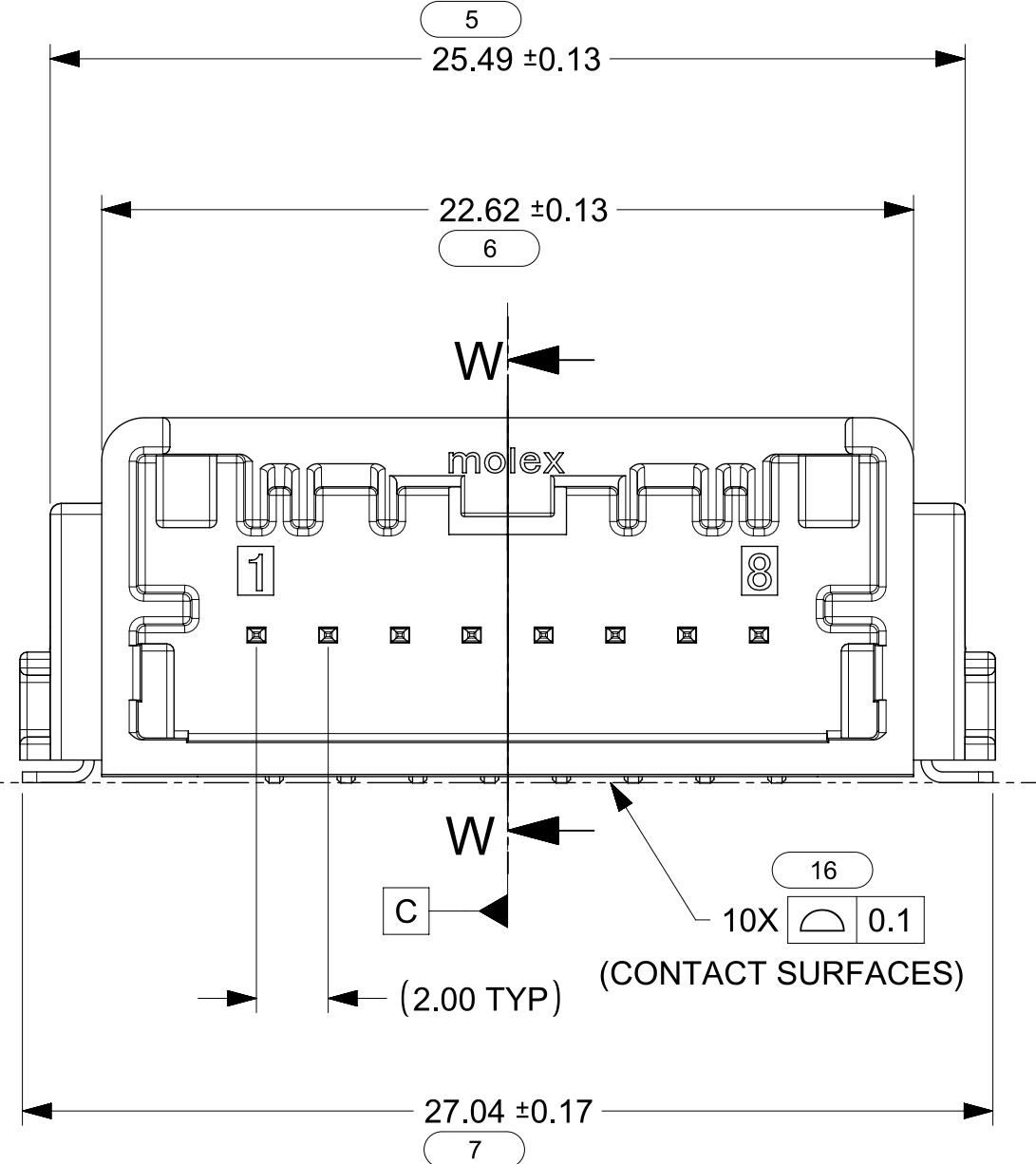
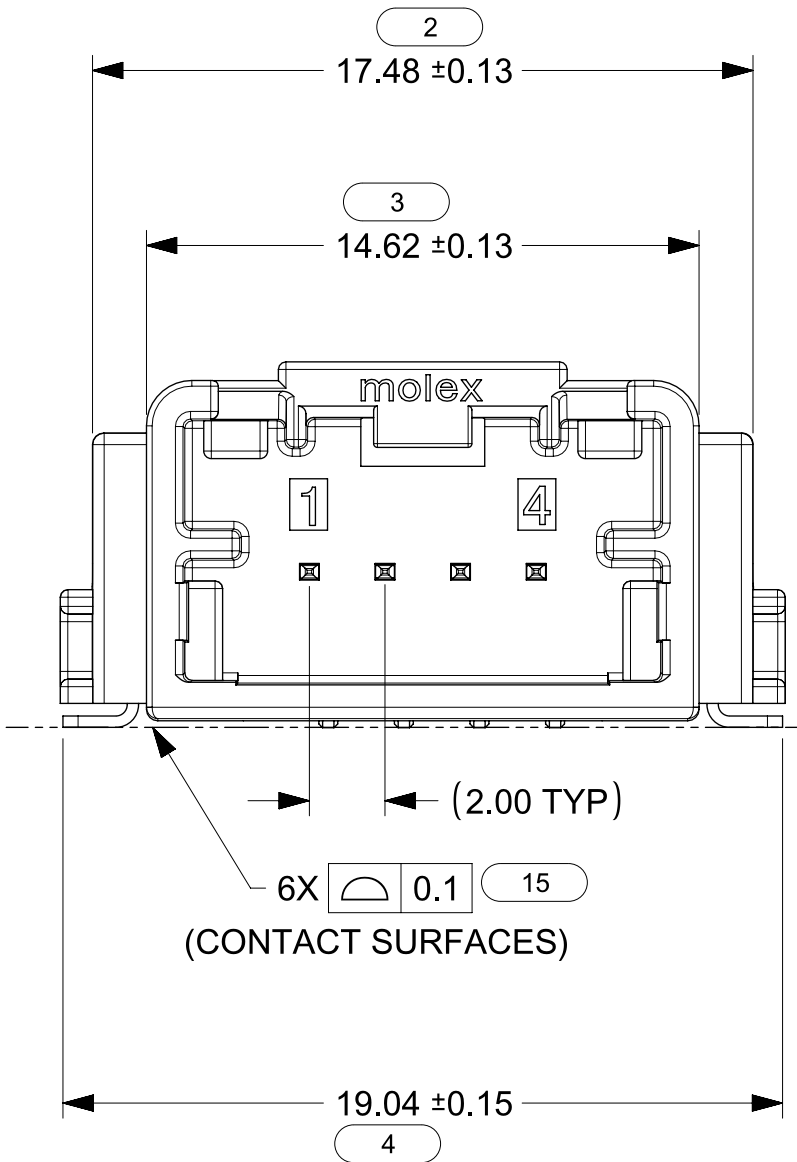
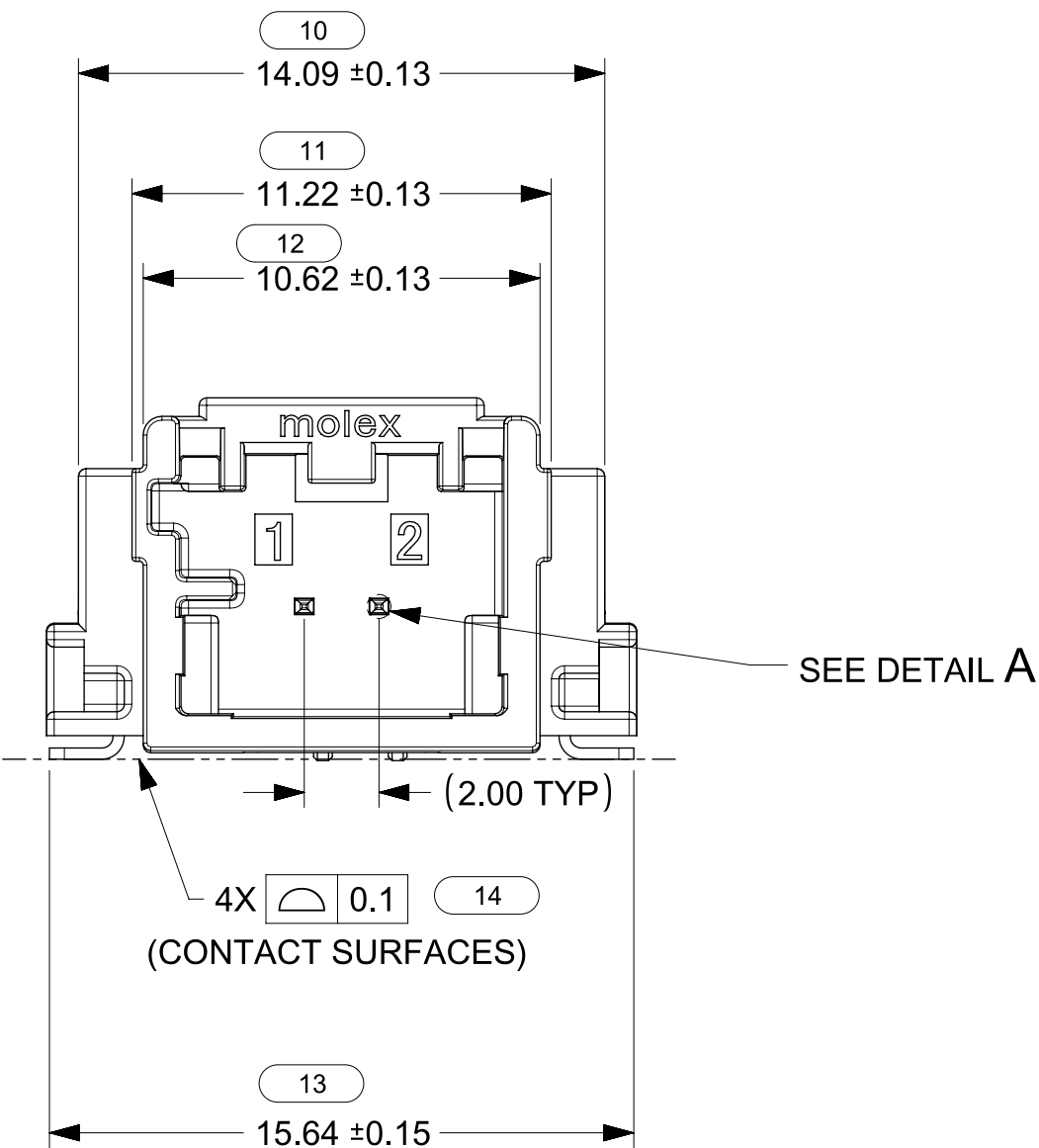
8 CKT SMT HEADER



HEADER TO PCB
FLUSH MOUNT



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



THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION									
FUNCTIONAL SYMBOLS FA = 0 FC = 0 FP = 0 DIVISIONAL SYMBOLS		DIMENSION UNITS		SCALE		CURRENT REV DESC: REFER TO REVISION COLUMN			
		MM		5:1					
		GENERAL TOLERANCES (UNLESS SPECIFIED)				STATUS: Production DRWN: Leo Li2025-06-30 CHK'D: Leo Li2025-08-20 APPR: Wolfian Wang2025-08-21			
		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		MATERIAL NUMBER	
				D-SIZE		34912		GENERAL MARKET	

molex			
MINI50 2-8CKT SMT HDR SALES DWG			
PRODUCT CUSTOMER DRAWING			
DOCUMENT NUMBER		DOC TYPE	DOC PART
SD-34912-001		PSD	000
			M9
SHEET NUMBER			
2 OF 5			

molex

MINI50 2-8CKT SMT HDR SALES DWG

PRODUCT CUSTOMER DRAWING

SD-34912-001

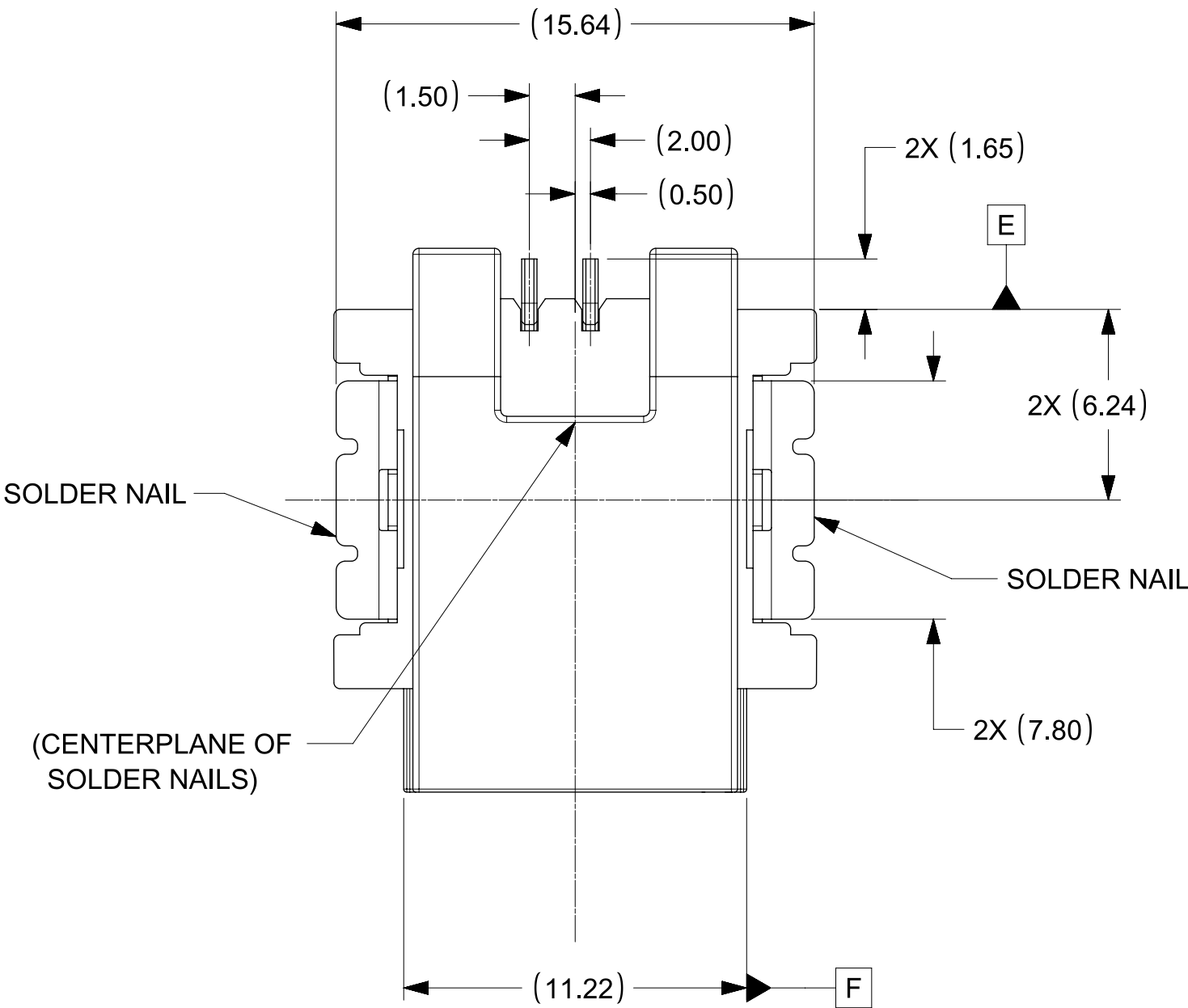
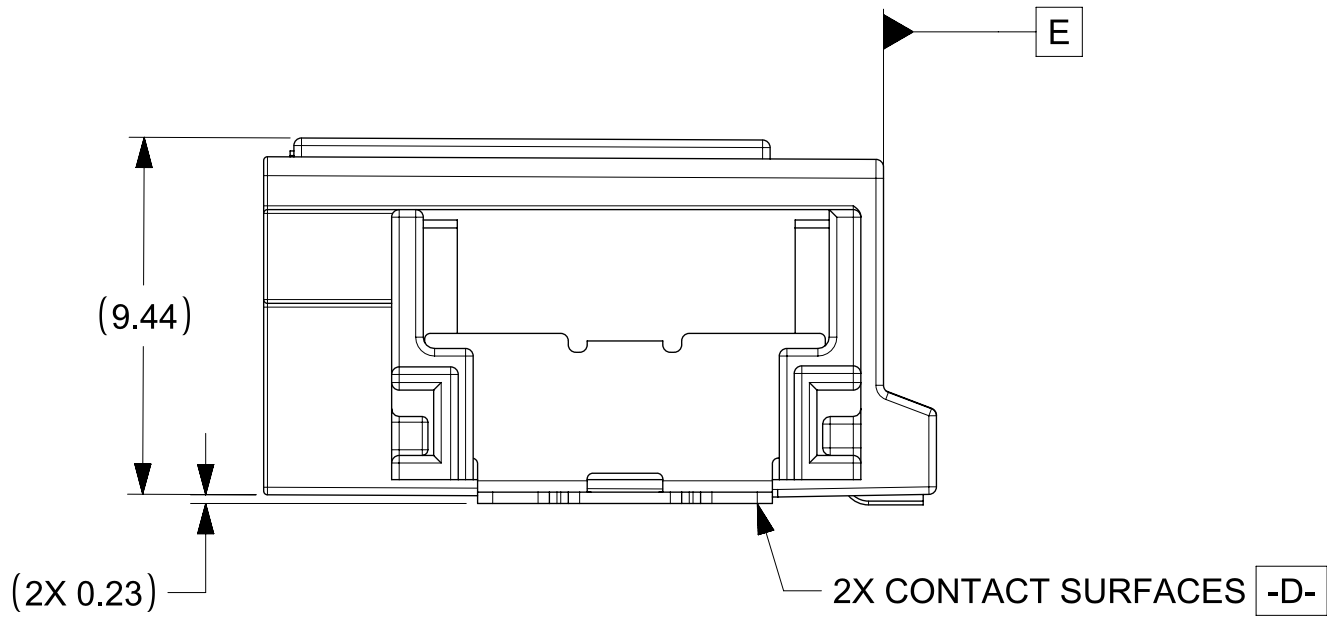
PSD

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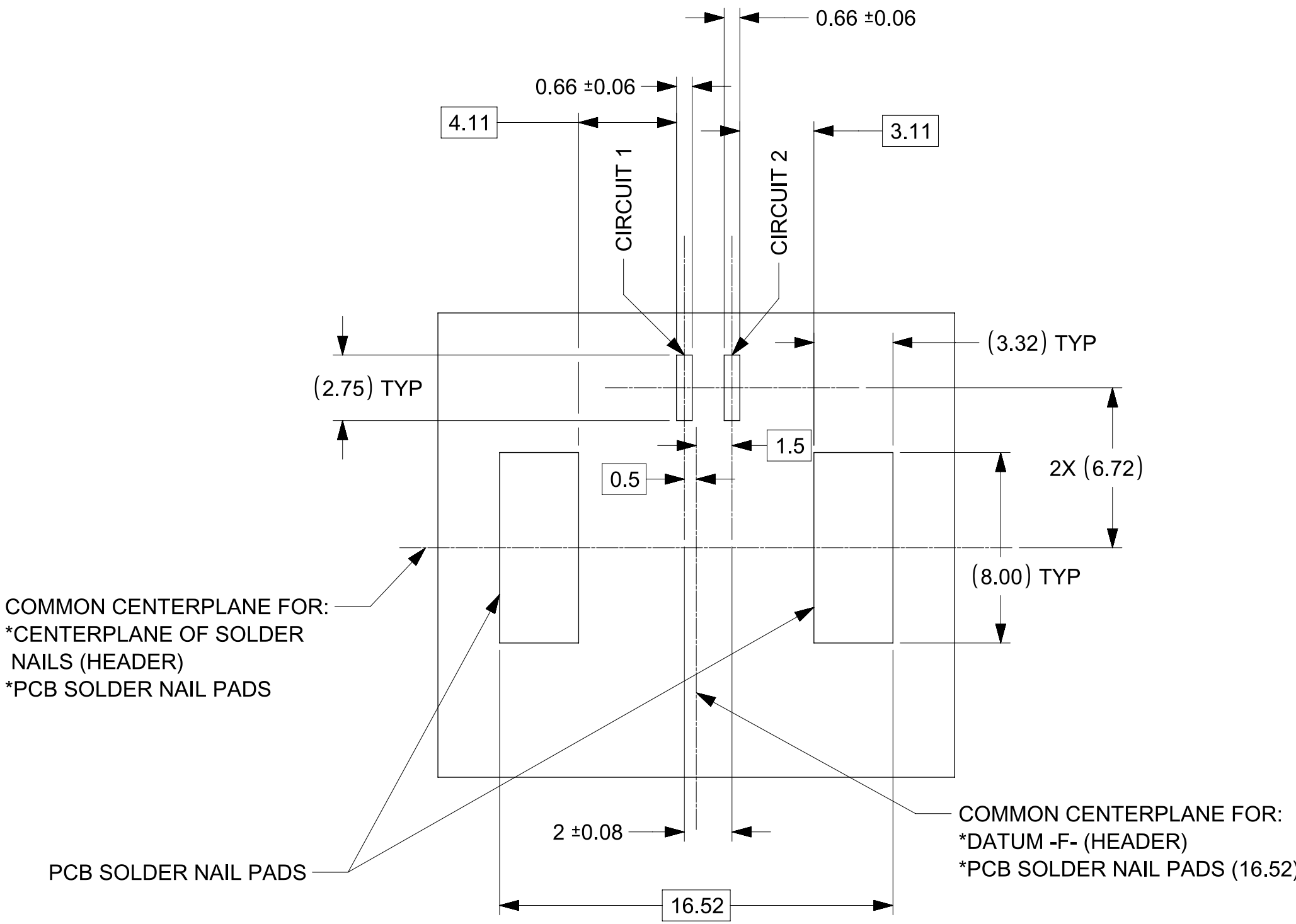
M9

RECOMMENDED PCB LAYOUT:

2 WAY:



2 WAY (BOTTOM VIEW)

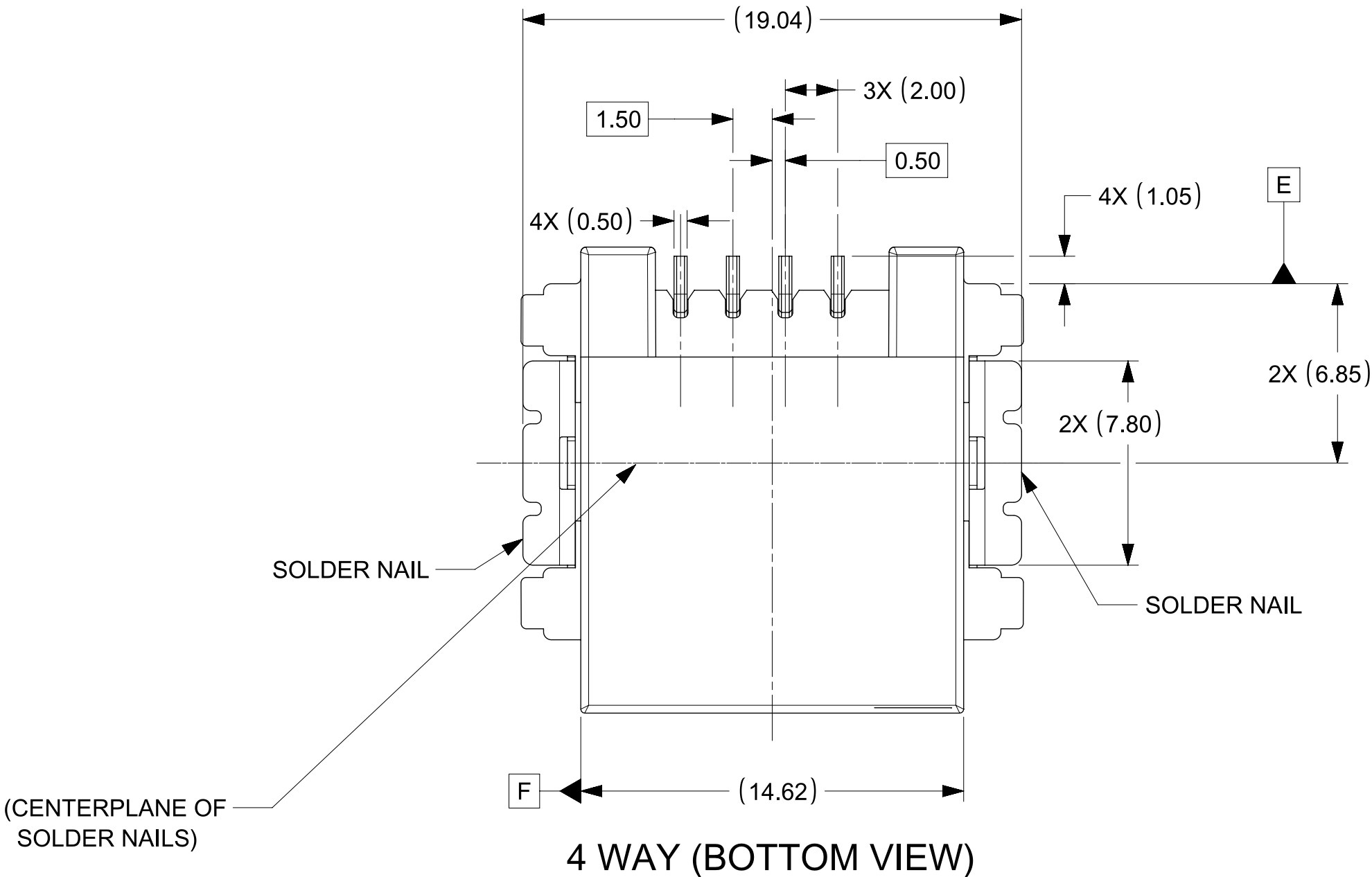
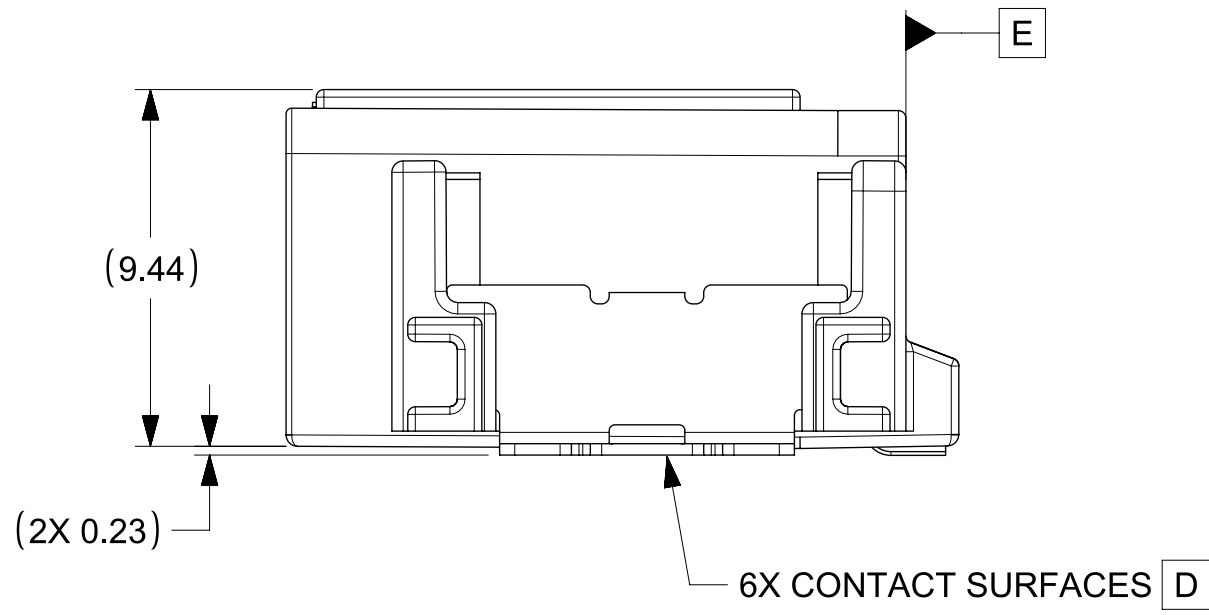


PCB LAYOUT

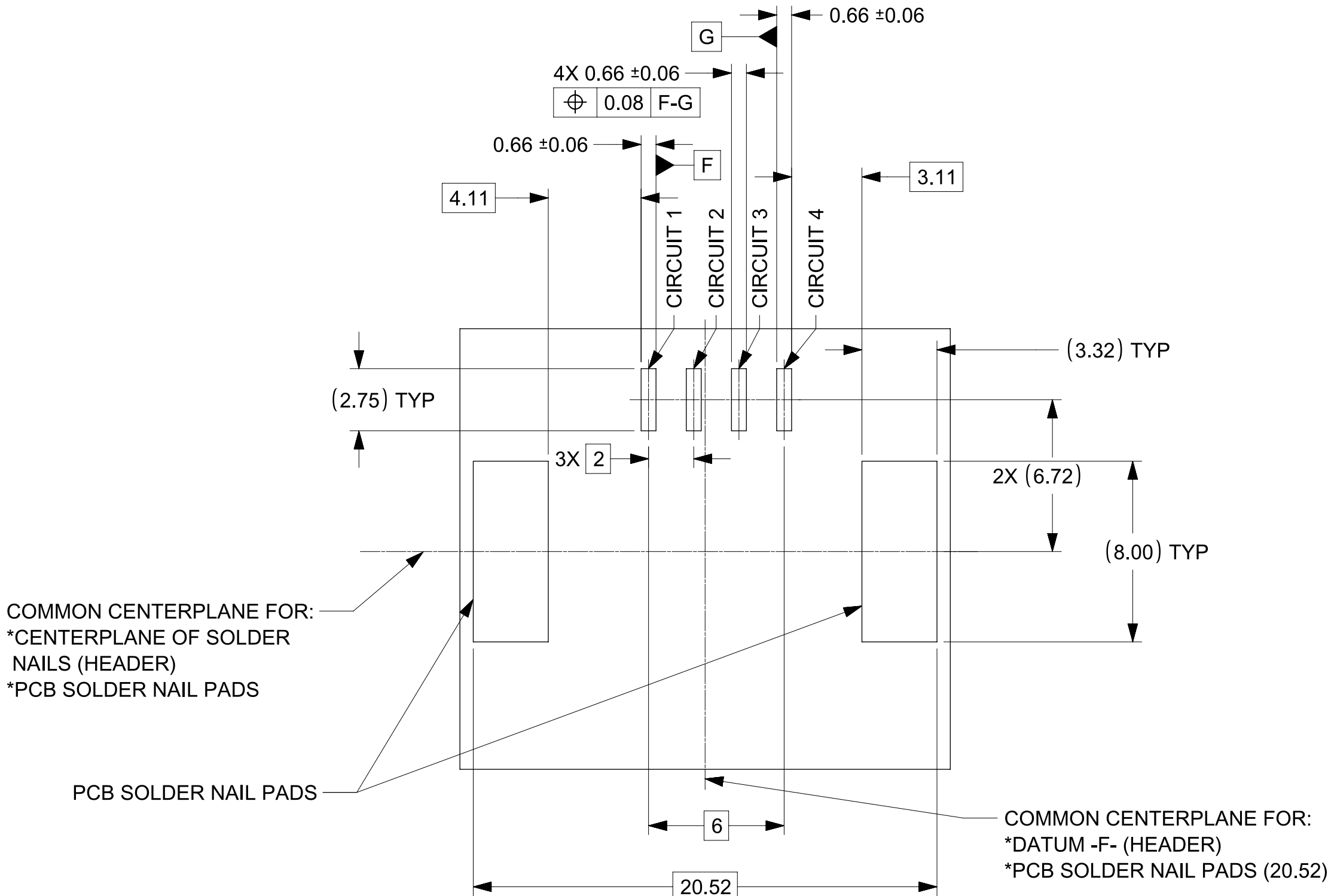
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION														
FUNCTIONAL SYMBOLS	DIMENSION UNITS		SCALE		CURRENT REV DESC: REFER TO REVISION COLUMN					molex				
	MM		5:1											
	GENERAL TOLERANCES (UNLESS SPECIFIED)													
	ANGULAR TOL ± 1°													
DIVISIONAL SYMBOLS	4 PLACES		±		STATUS: Production					PRODUCT CUSTOMER DRAWING				
	3 PLACES		±											
	2 PLACES		± 0.100											
	1 PLACE		± 0.20											
	0 PLACES		±		DRWN: Leo Li 2025-06-30					DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION	
					CHK'D: Leo Li 2025-08-20					SD-34912-001		PSD	000	M9
					APPR: Wolfian Wang 2025-08-21									
	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:

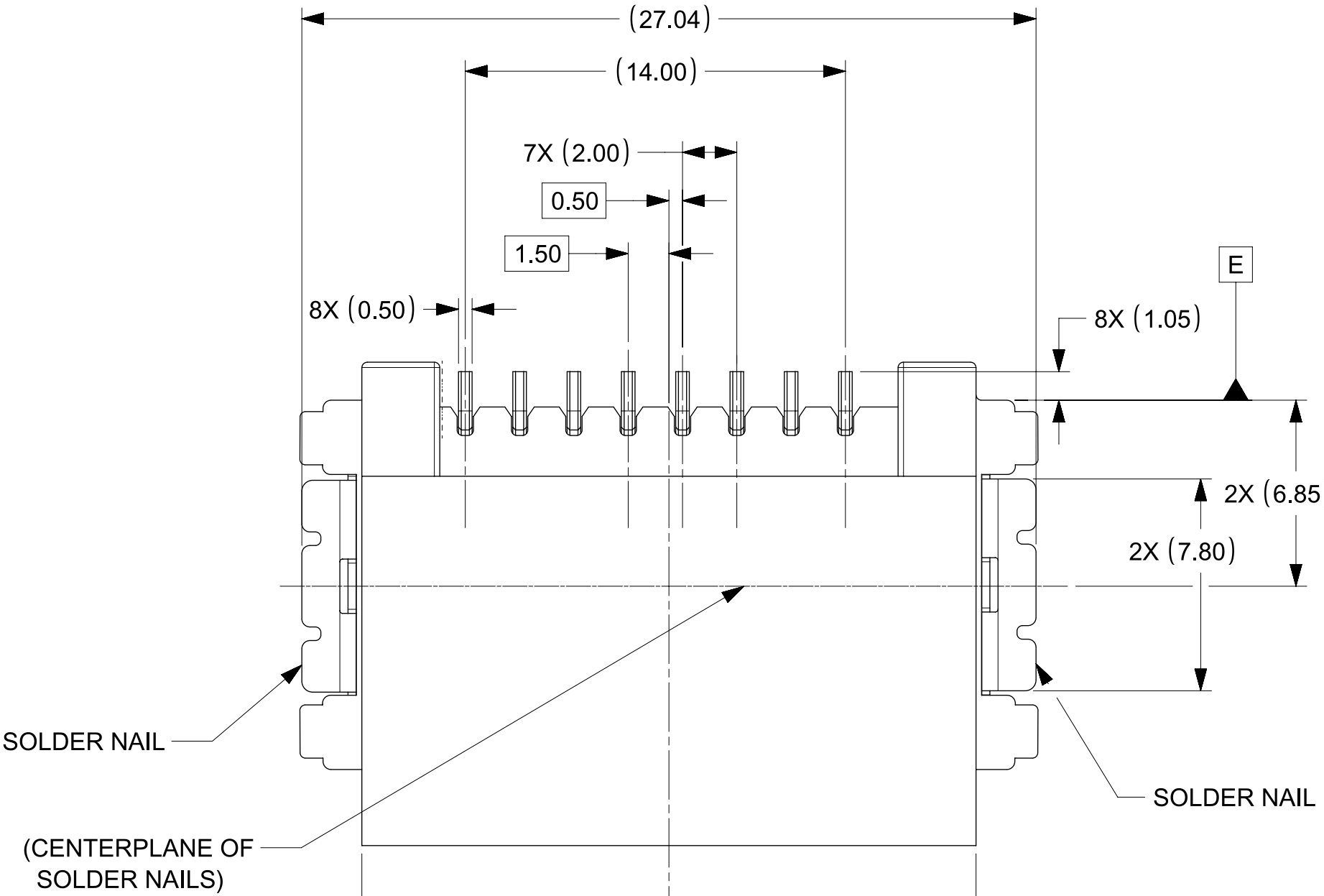
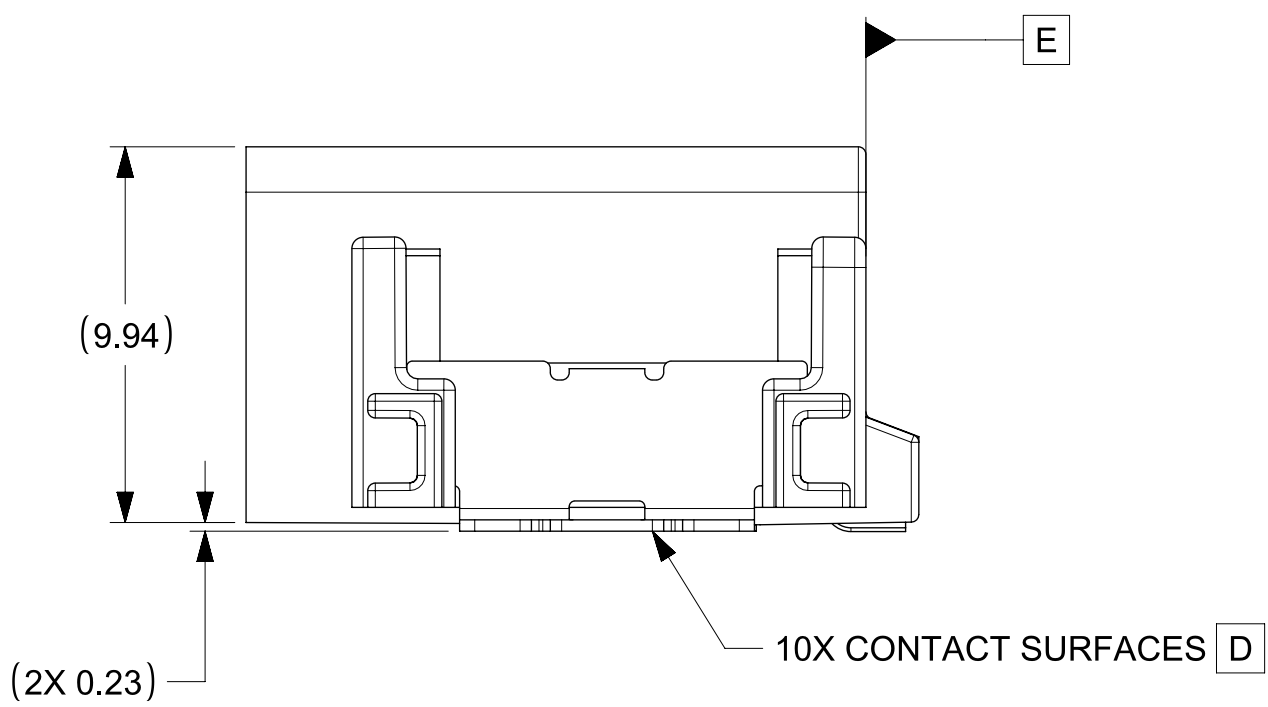
4 WAY:



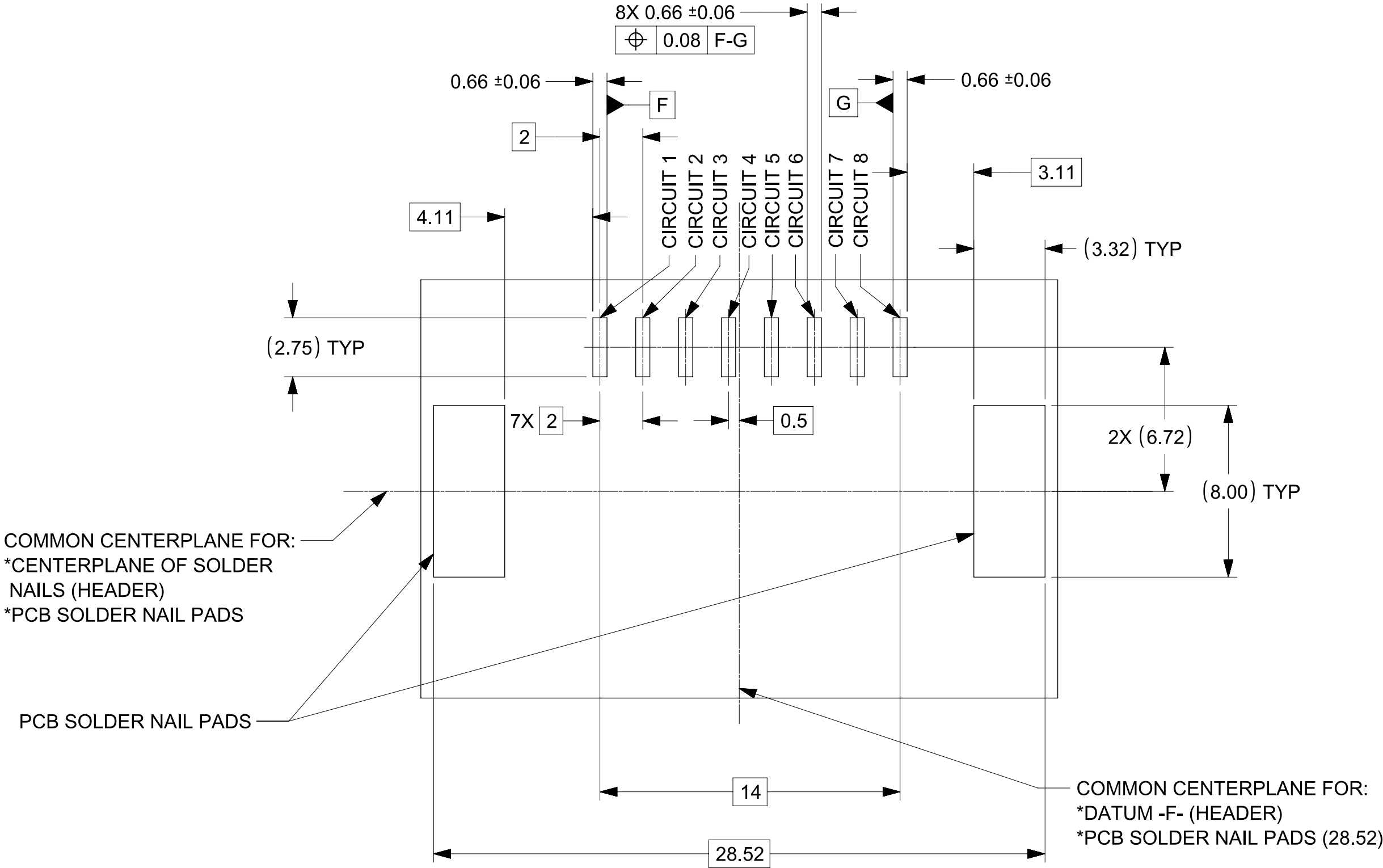
4 WAY (BOTTOM VIEW)



8 WAY:



8 WAY (BOTTOM VIEW)



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

GOLD:

M9

TIN:

PK-31301-688

FUNCTIONAL SYMBOLS F_A = 0 F_F = 0 F_φ = 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: REFER TO REVISION COLUMN			molex		
	MM		1:1							
	GENERAL TOLERANCES (UNLESS SPECIFIED)									
	ANGULAR TOL ± 1°									
	4 PLACES		±							
	3 PLACES		±		STATUS: Production DRWN: Leo Li					