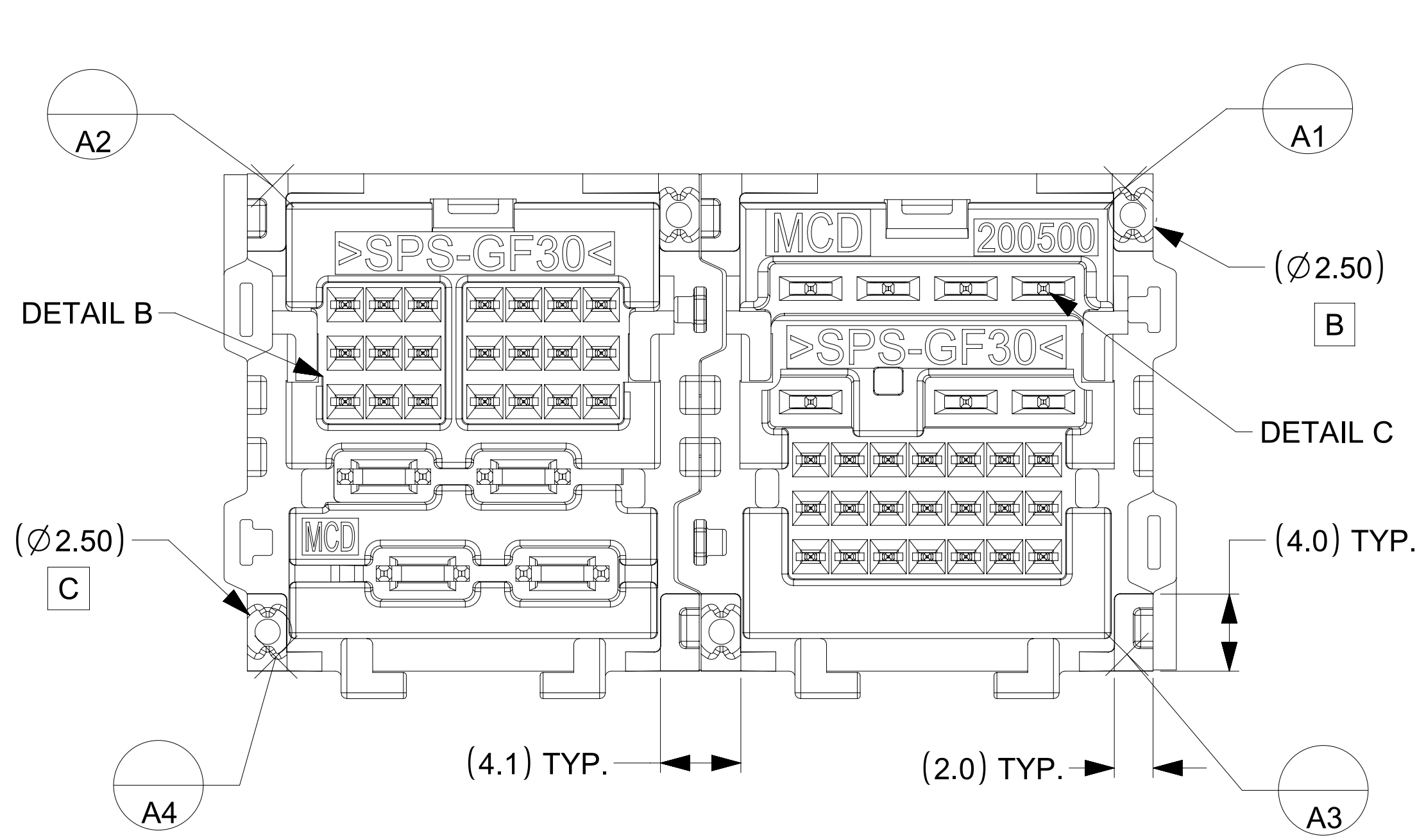
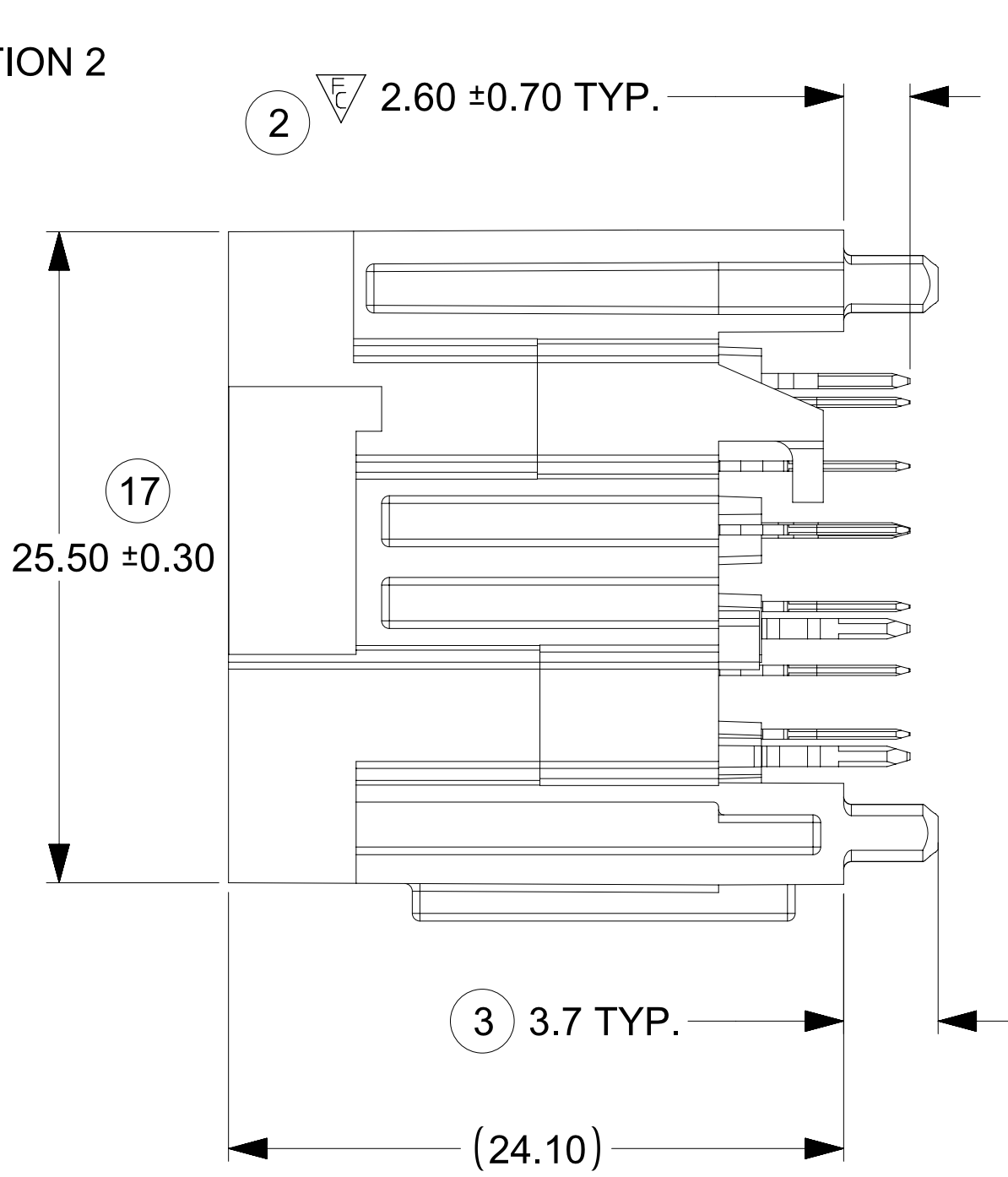
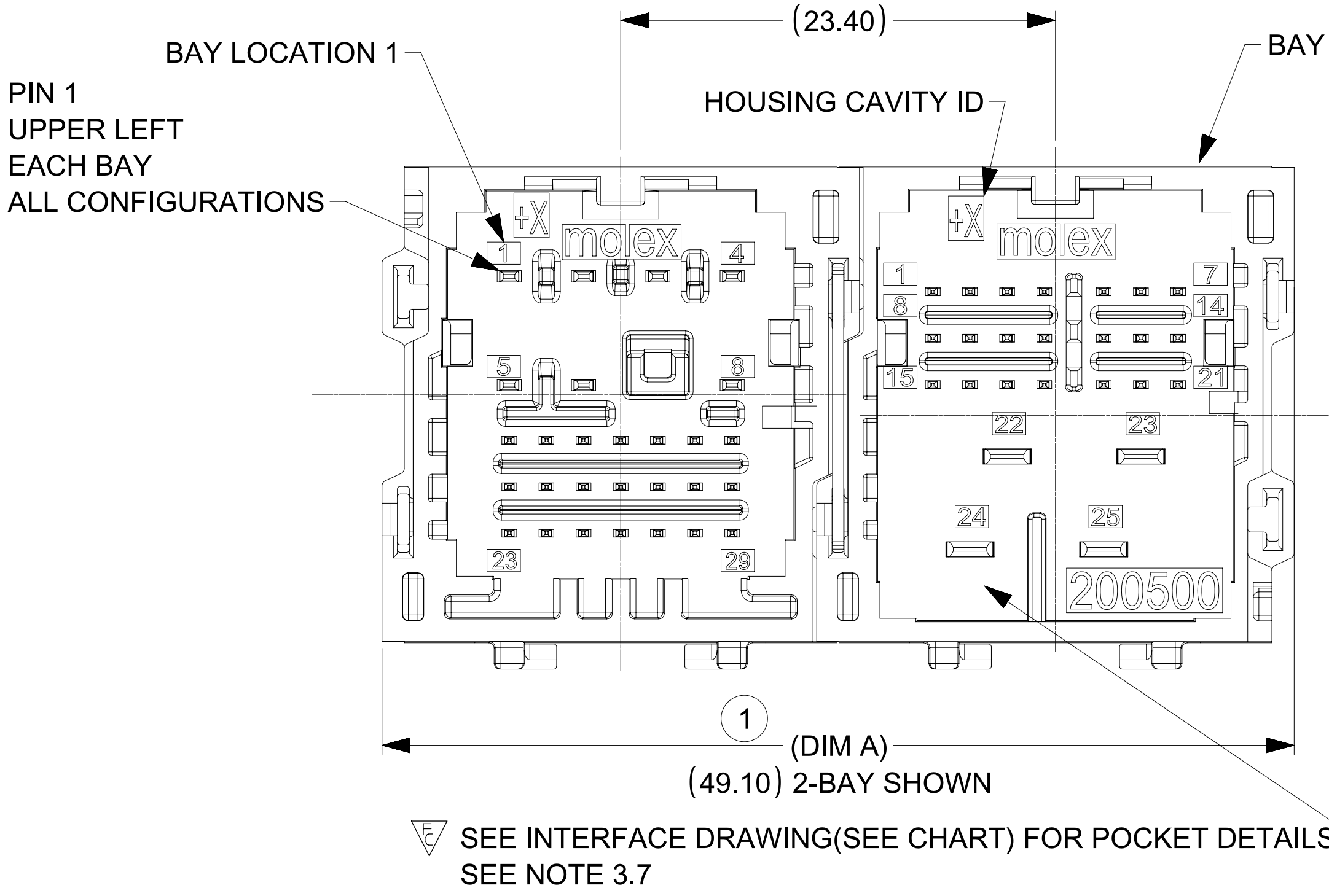




NOTES: VALID UNLESS OTHERWISE SPECIFIED

1. GENERAL:

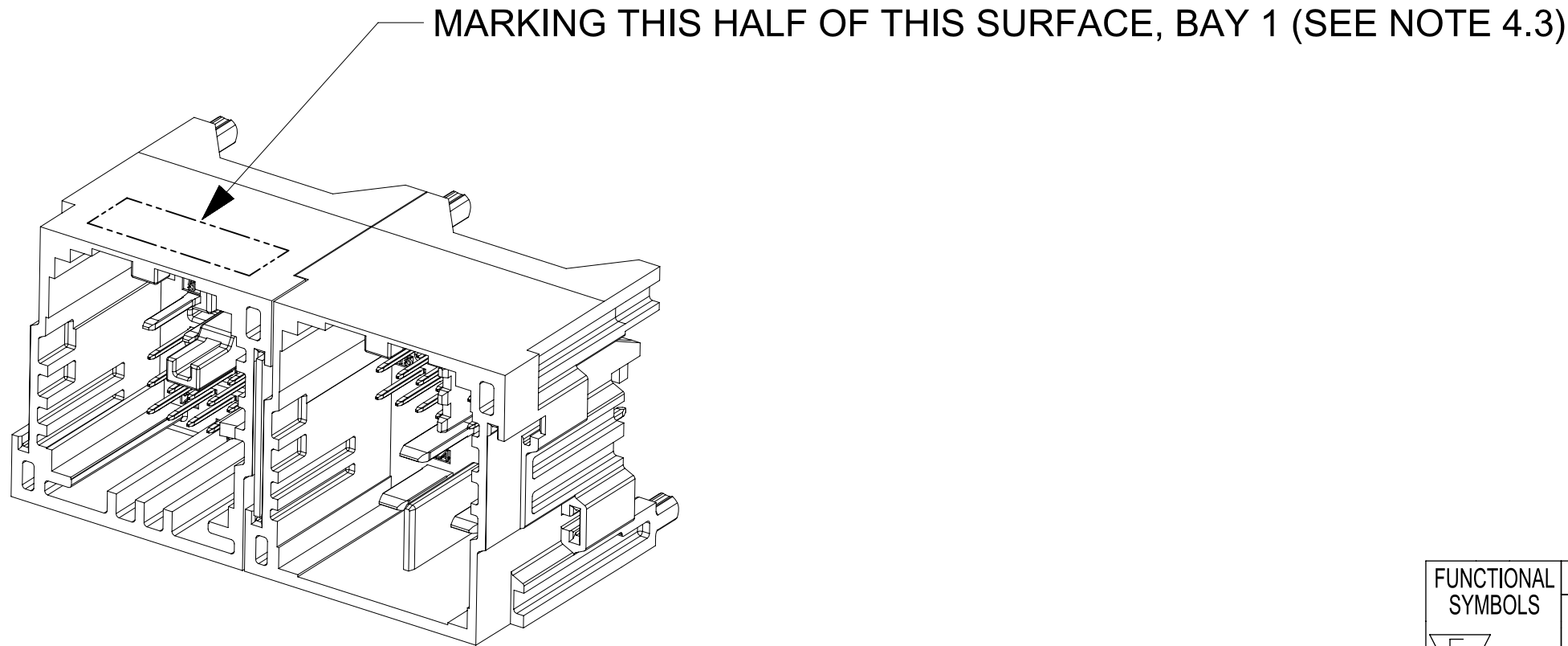
- 1.1 APPLICATION SPECIFICATION 2005060000-AS
1.2 PRODUCT SPECIFICATION 2005060001-PS
CLASSIFICATIONS T1V1S1 TO GMW 3191 2012
1.3 PACKAGING SPECIFICATION PER MOLEX DRAWING

2. DESIGN - MATERIALS:

- 2.1 HOUSING: SPS 30% GF
2.2 BLADE TERMINALS:
A. 0.5MM BLADES
BASE MATERIAL: COPPER ALLOY
CONDUCTIVITY > 28% IACS @ 20°C
UNDERPLATE: OVERALL NICKEL
OVERPLATE: OVERALL TIN
B. 1.2MM BLADES
BASE MATERIAL: COPPER ALLOY
CONDUCTIVITY > 28% IACS @ 20°C
UNDERPLATE: OVERALL NICKEL
OVERPLATE: OVERALL TIN
C. 2.8MM BLADES
BASE MATERIAL: COPPER ALLOY
CONDUCTIVITY > 40% IACS @ 20°C
UNDERPLATE: OVERALL NICKEL
OVERPLATE: OVERALL TIN
2.3 FASTENER: STAINLESS STEEL

3. DESIGN - GEOMETRY:

- 3.1 ALL GRAPHIC DATA IS BASIC (NO TOLERANCE) AND MUST BE TAKEN FROM THE DATA
FILE AT ITS LATEST REVISION
3.2 PRODUCT DESIGN MODEL NUMBER: SEE CHART. MODEL NUMBERS SAME AS PART NUMBERS.
3.3 GEOMETRIC DIMENSIONS AND TOLERANCES PER ASME Y14.5-2009
3.4 EDGES OF UNDEFINED SHAPE PER ISO 13715
3.5 CORNERS SHOWN AS SHARP TO BE R 0.4 MAX
3.6 LETTERING SHALL BE MAX POSSIBLE FOR READABILITY. THIS INCLUDES RECYCLING
CODE, CAVITY ID, VENDOR IDENTIFICATION, AND CUSTOMER MATERIAL NUMBER.
3.7 FOR BAY/POCKET DEFINITION SEE MOLEX INTERFACE DRAWINGS IN CHART.
FUNCTIONAL APPLIES TO ALL FUNCTIONALS IN INTERFACE DRAWINGS.
3.8 [G] DENOTES DIMENSIONS TO BE QUALIFIED WITH GAGE FOR PPAP AND IN PROCESS
QUALITY CHECKS.
4. DESIGN - MANUFACTURING:
4.1 VISUAL DEFECTS SHALL MEET MOLEX COSMETIC STANDARD PS-45499-002 (CLASS B)
4.2 REFLOW SOLDERABILITY PER SMES-152
4.3 LASER ETCHED PART MARKING (1.5mm HEIGHT) CODED AS FOLLOWS
ROW 1: "YYDDHHMMSS"
- DATE AND TIME CODE
ROW 2: "XXXX" OR "XXXX_X"
-"XXXX" IS LAST 5 DIGITS OF PART NO AND DENOTES ORIGINAL ASSEMBLY LINE
-"_X" DENOTES CAPACITY ASSEMBLY LINE SUCH AS "_B" OR MORE IN FUTURE



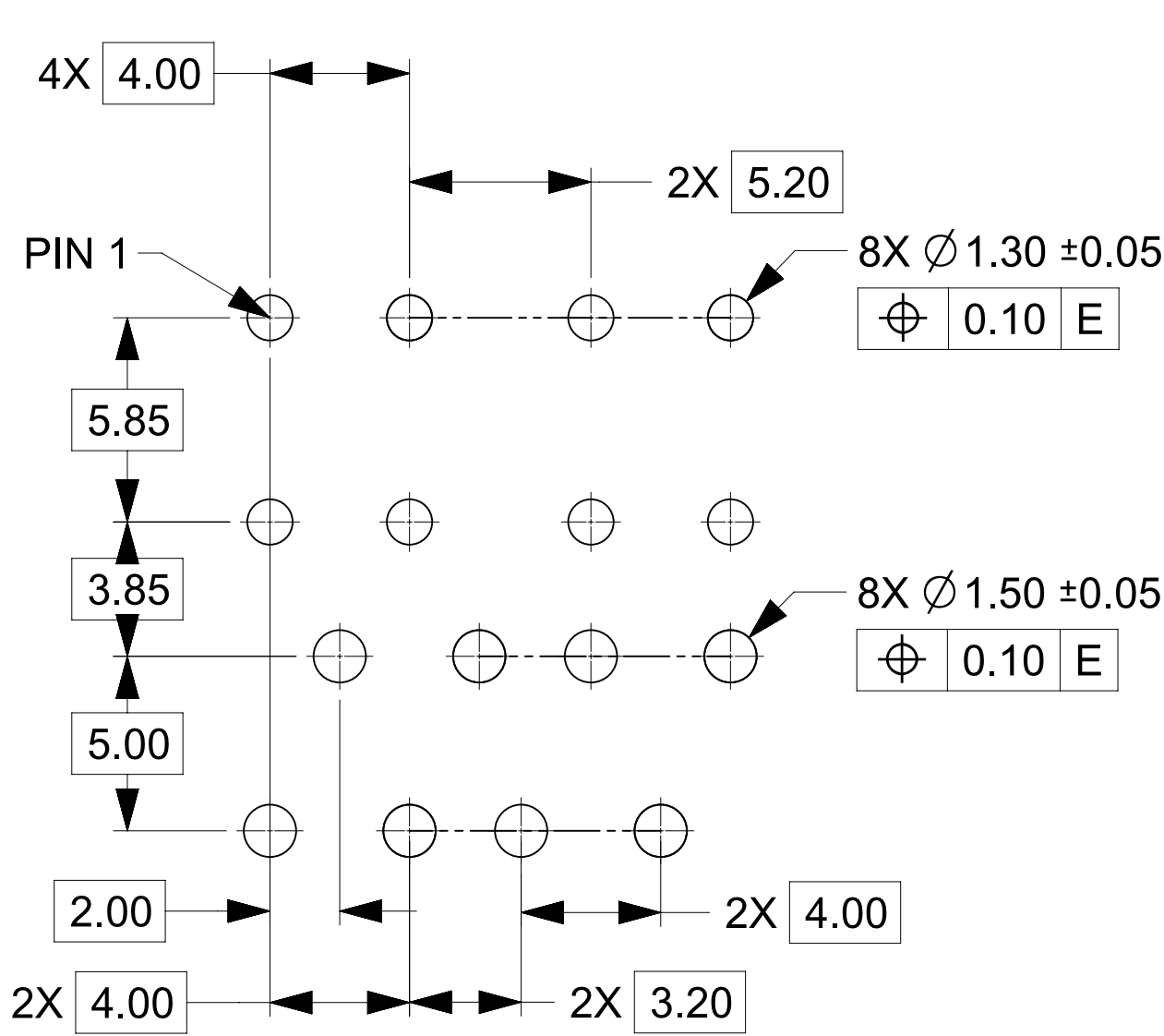
BAY QTY	DIM A
2	49.1
3	72.5
4	95.9
5	119.3
6	142.7
7	166.1

SEE SHEET 2			
REVISION	DESCRIPTION		

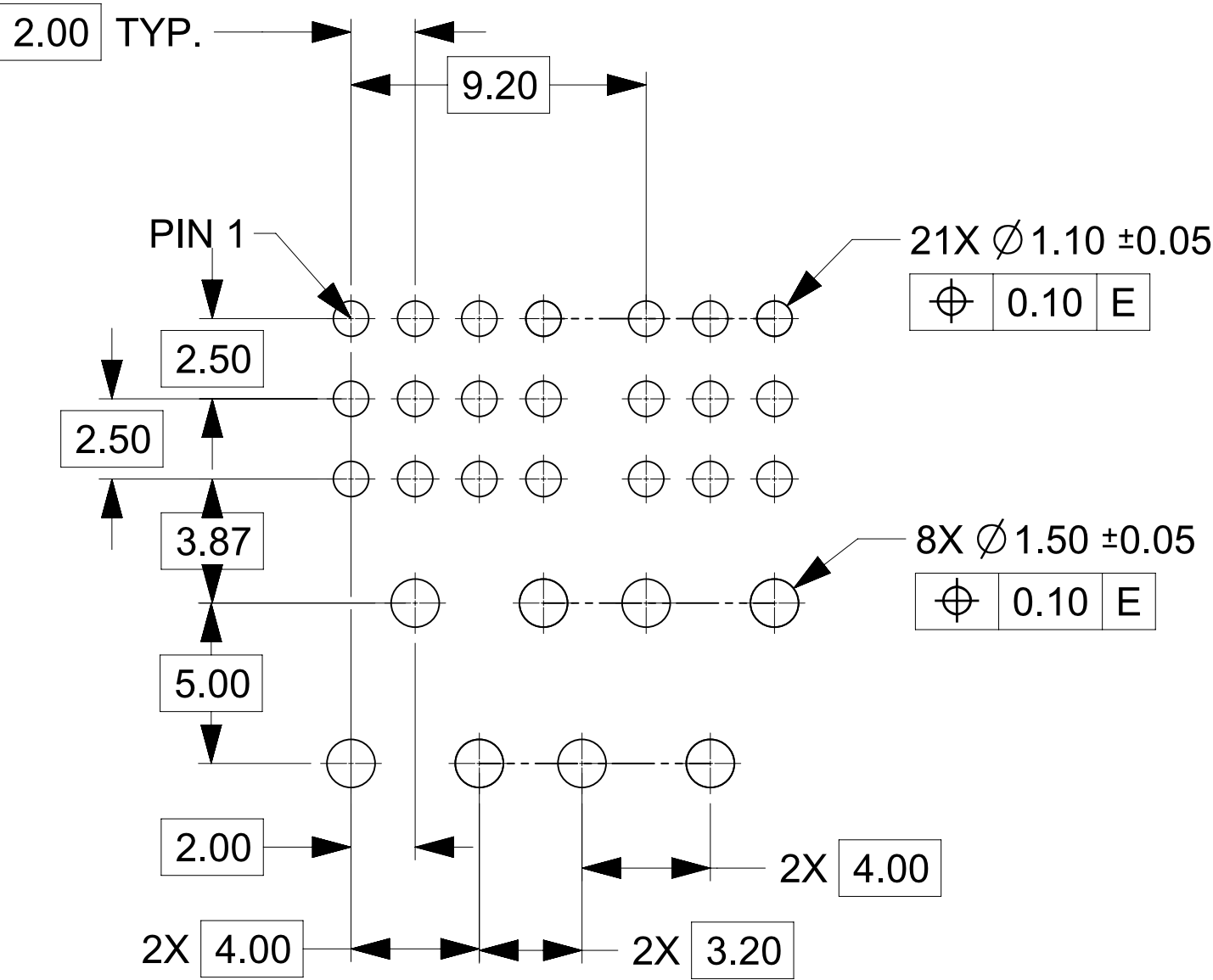
FUNCTIONAL SYMBOLS	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION																	
	DIMENSION UNITS		SCALE		CURRENT REV DESC: SEE REVISION TABLE					molex STAK50H MODULAR HEADER VERT MULTIPLE BAY PRODUCT CUSTOMER DRAWING								
	mm		4:1															
	GENERAL TOLERANCES (UNLESS SPECIFIED)				STATUS: Production DRWN: Praveen S CHK'D: Yann Chen APPR: Ringo Hu				2024-09-03 2024-09-06 2024-09-06					DOCUMENT NUMBER 2005050000		DOC TYPE PSD		DOC PART 000
	ANGULAR TOL ± °																	
	4 PLACES		±															
	3 PLACES		±															
	2 PLACES		± 0.130		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION		DRAWING D-SIZE		SERIES 200505		MATERIAL NUMBER SEE TABLE		CUSTOMER		SHEET NUMBER 1 OF 4	
	1 PLACE		± 0.25															
	0 PLACES		±															

INSPECTION BALLOON NUMBER LOG			
PER DRAWING REVISION: D6			
LAST BALLOON NUMBER: 17			
ADDED BALLOON NUMBER: NONE			
DELETED BALLOON NUMBER: NONE			

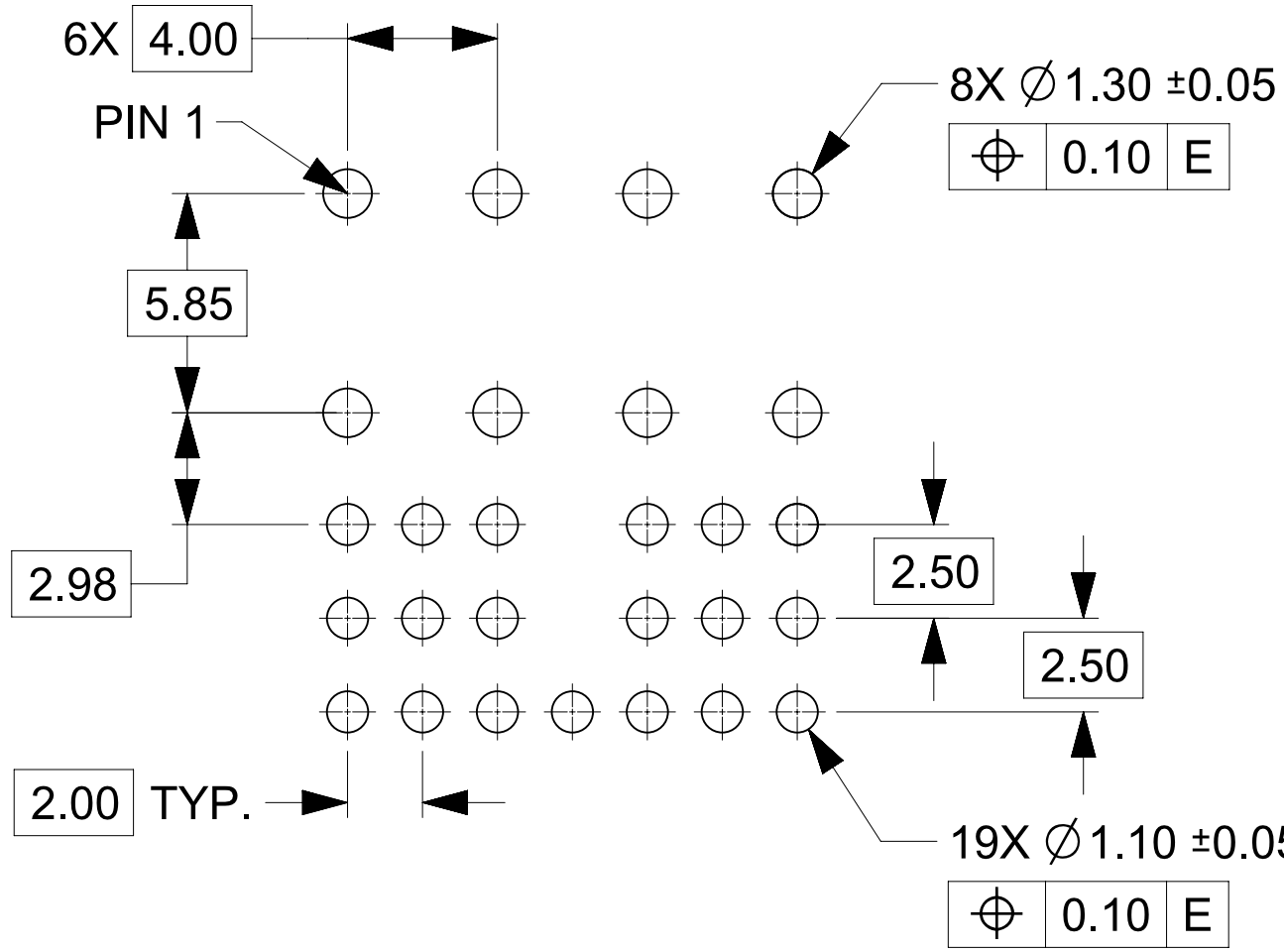
molex			
STAK50H MODULAR HEADER VERT MULTIPLE BAY			
PRODUCT CUSTOMER DRAWING			
DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
2005050000	PSD	000	D6
MATERIAL NUMBER	CUSTOMER	SHEET NUMBER	
SEE TABLE		1 OF 4	



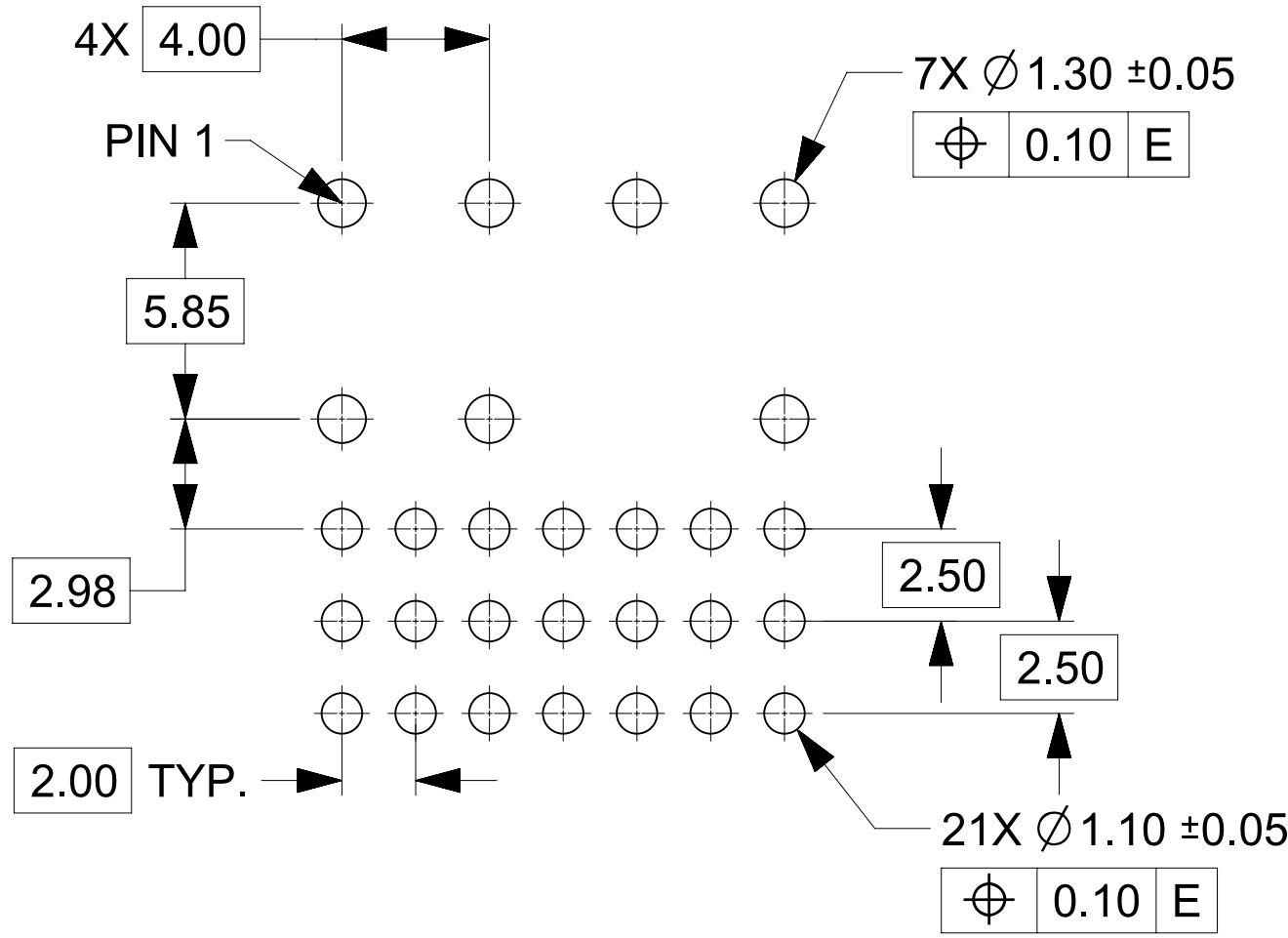
12 WAY
2005010121
2005010122
2005010123
2005010124



25 WAY
2005010251
2005010252
2005010253
2005010254

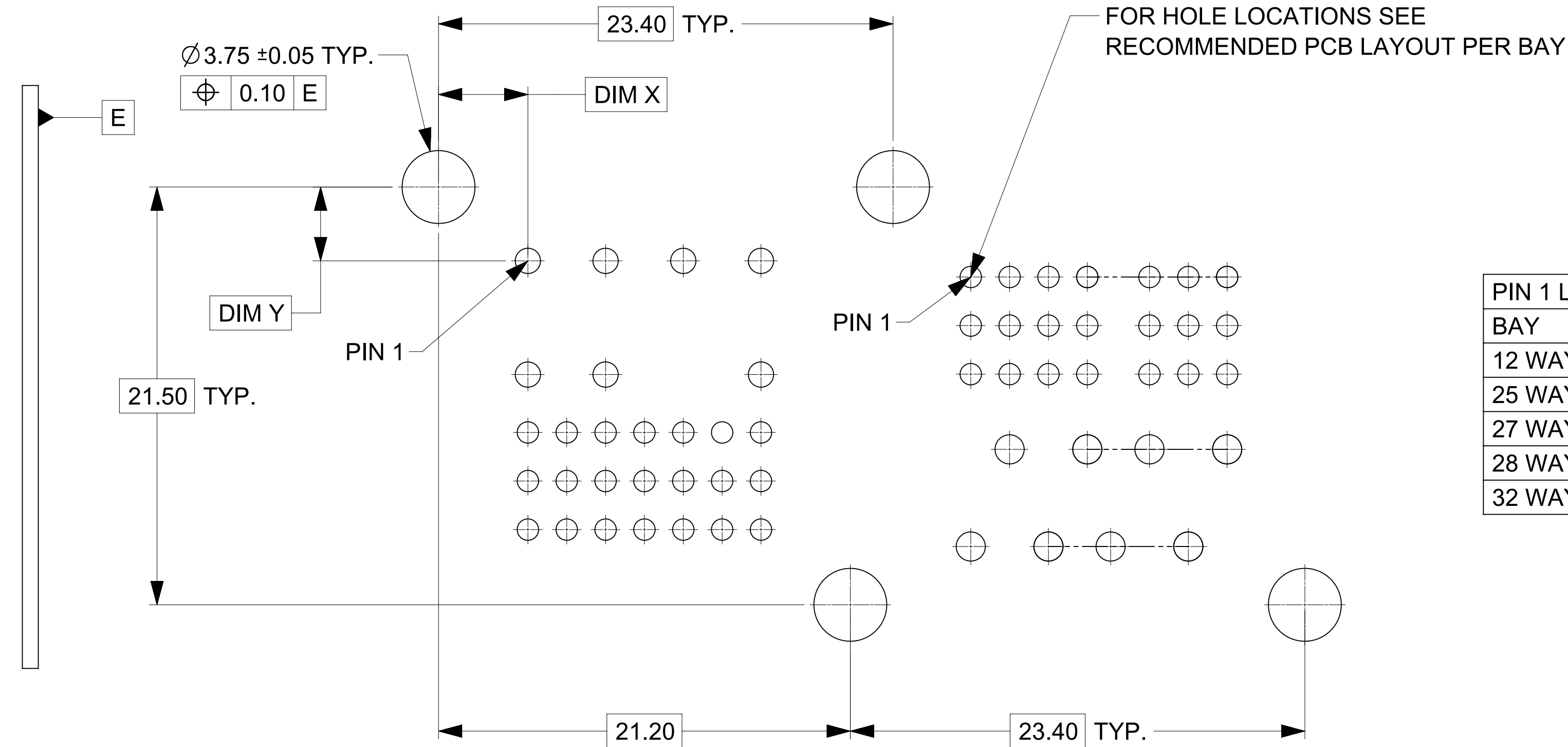


27 WAY
2005010271
2005010272
2005010273
2005010274

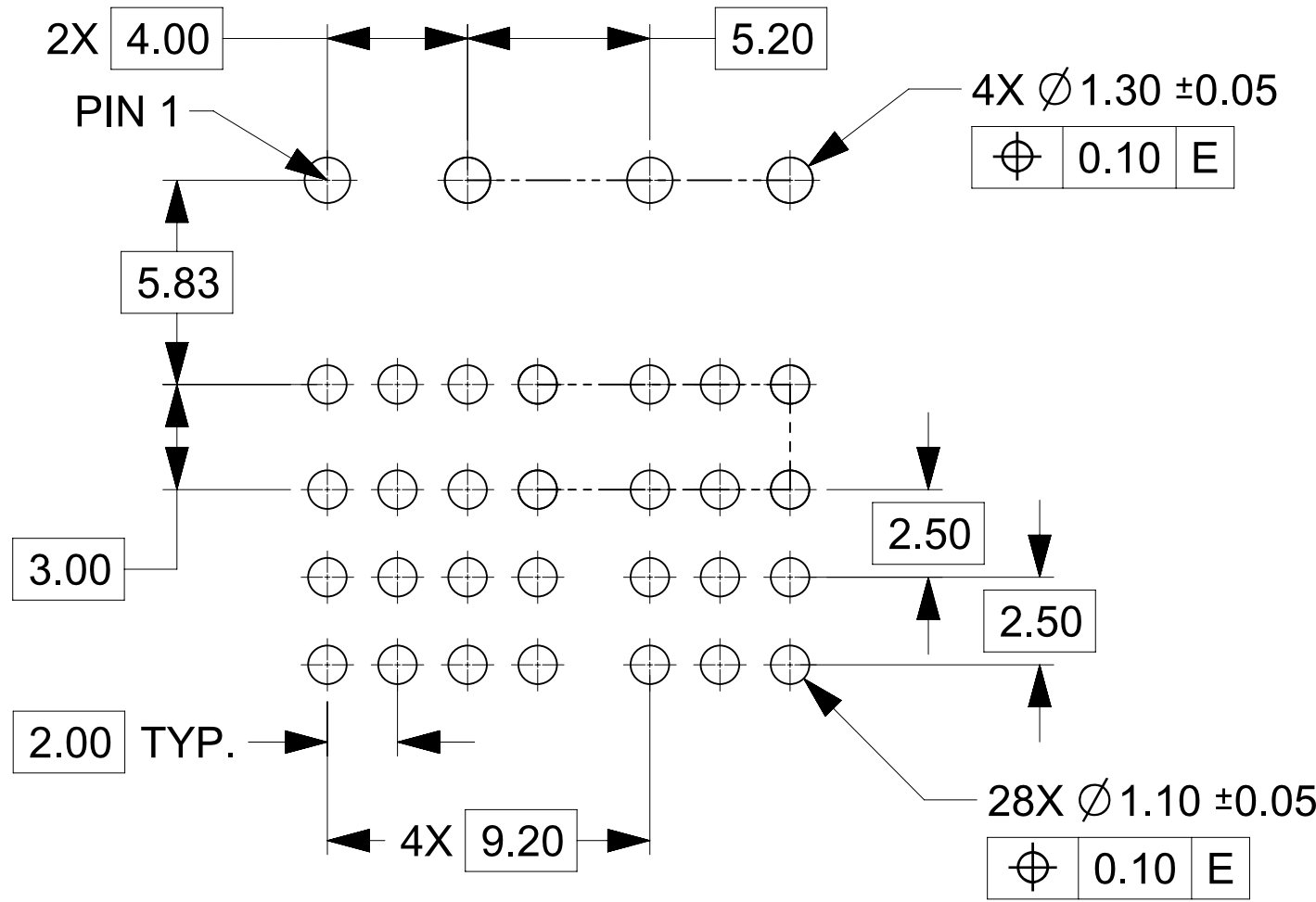


28 WAY
2005010281
2005010282
2005010283
2005010284

RECOMMENDED PCB LAYOUT FOR MULTIPLE BAY HEADER
FOR REFERENCE ONLY
INSERT NECESSARY BAYS
USING CHART ON SHEET 1

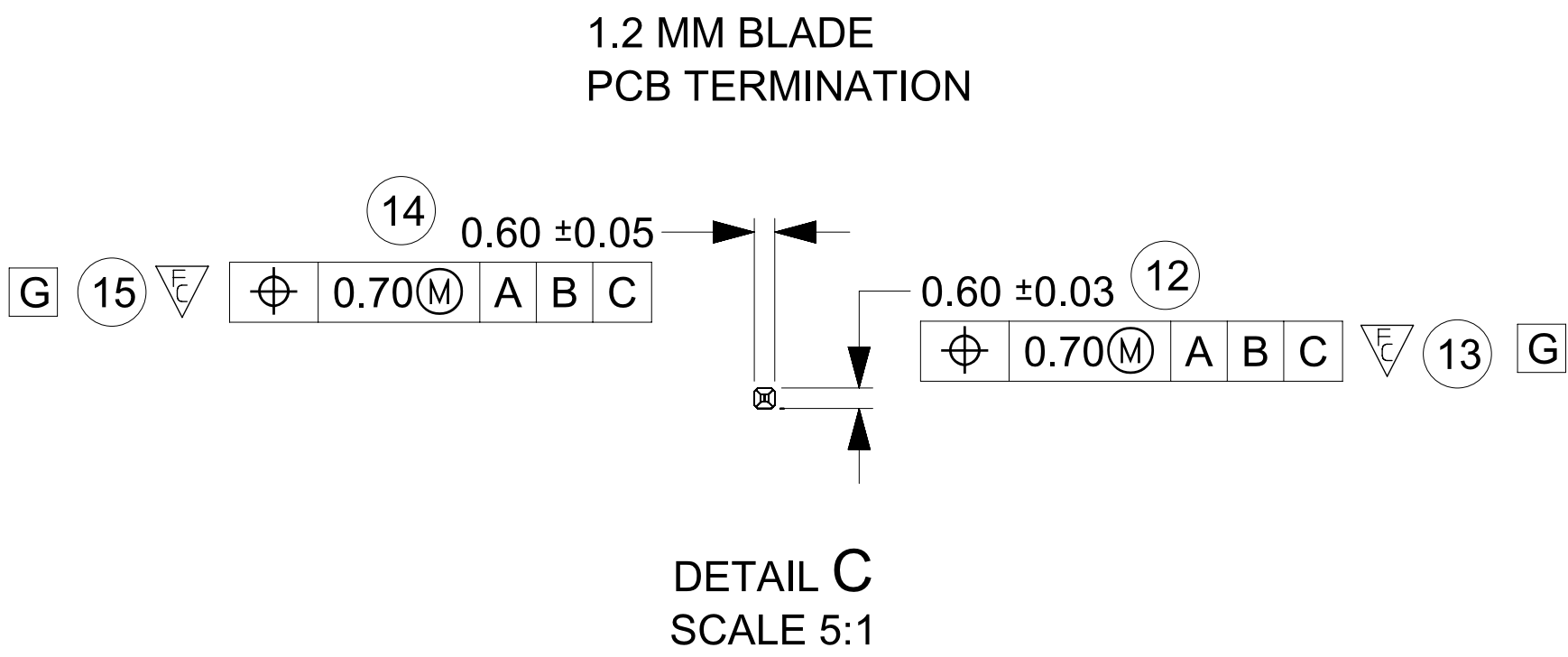
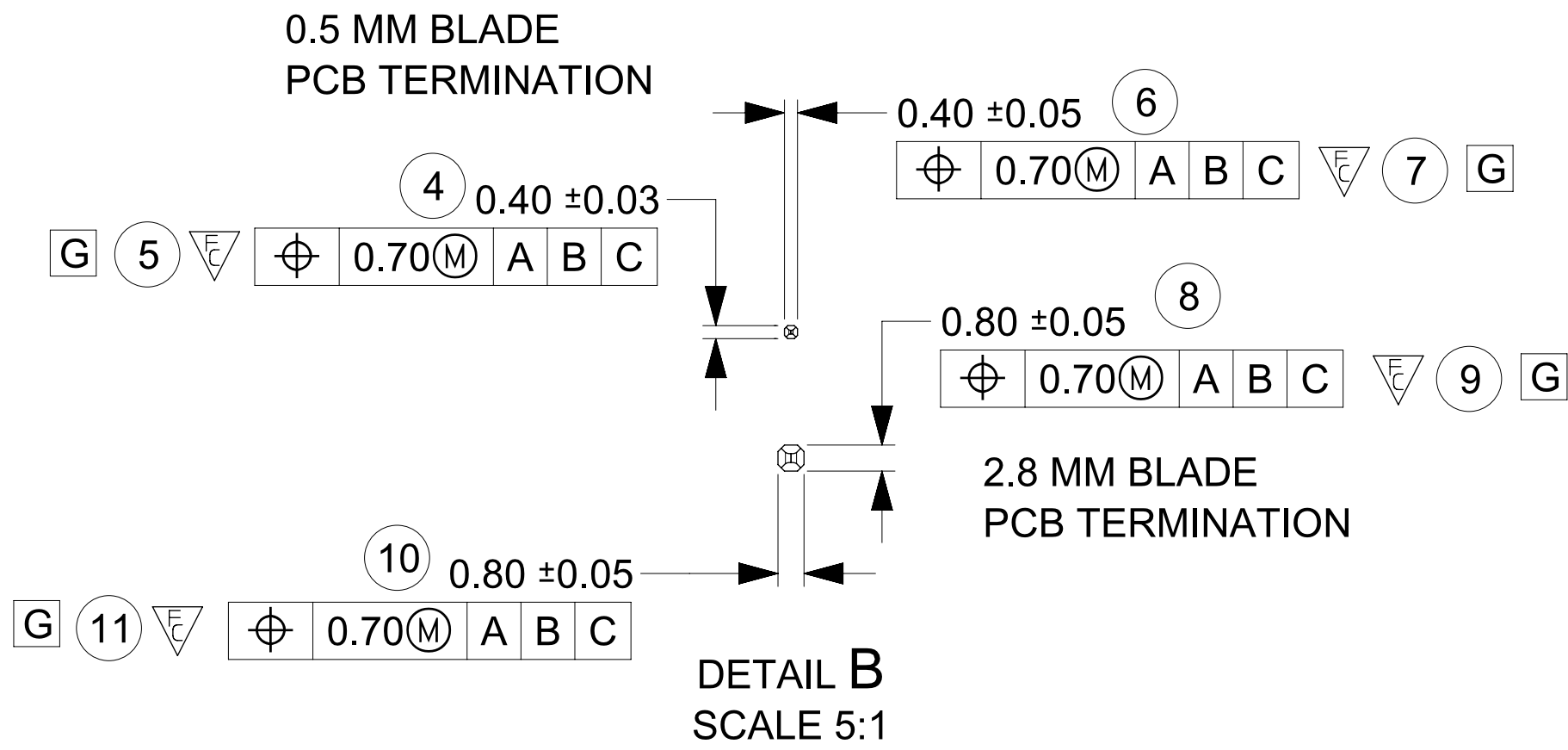


PIN 1 LOCATION CHART		
BAY	DIM X	DIM Y
12 WAY	4.0	3.8
25 WAY	4.0	4.63
27 WAY	4.6	3.8
28 WAY	4.6	3.8
32 WAY	4.0	3.8



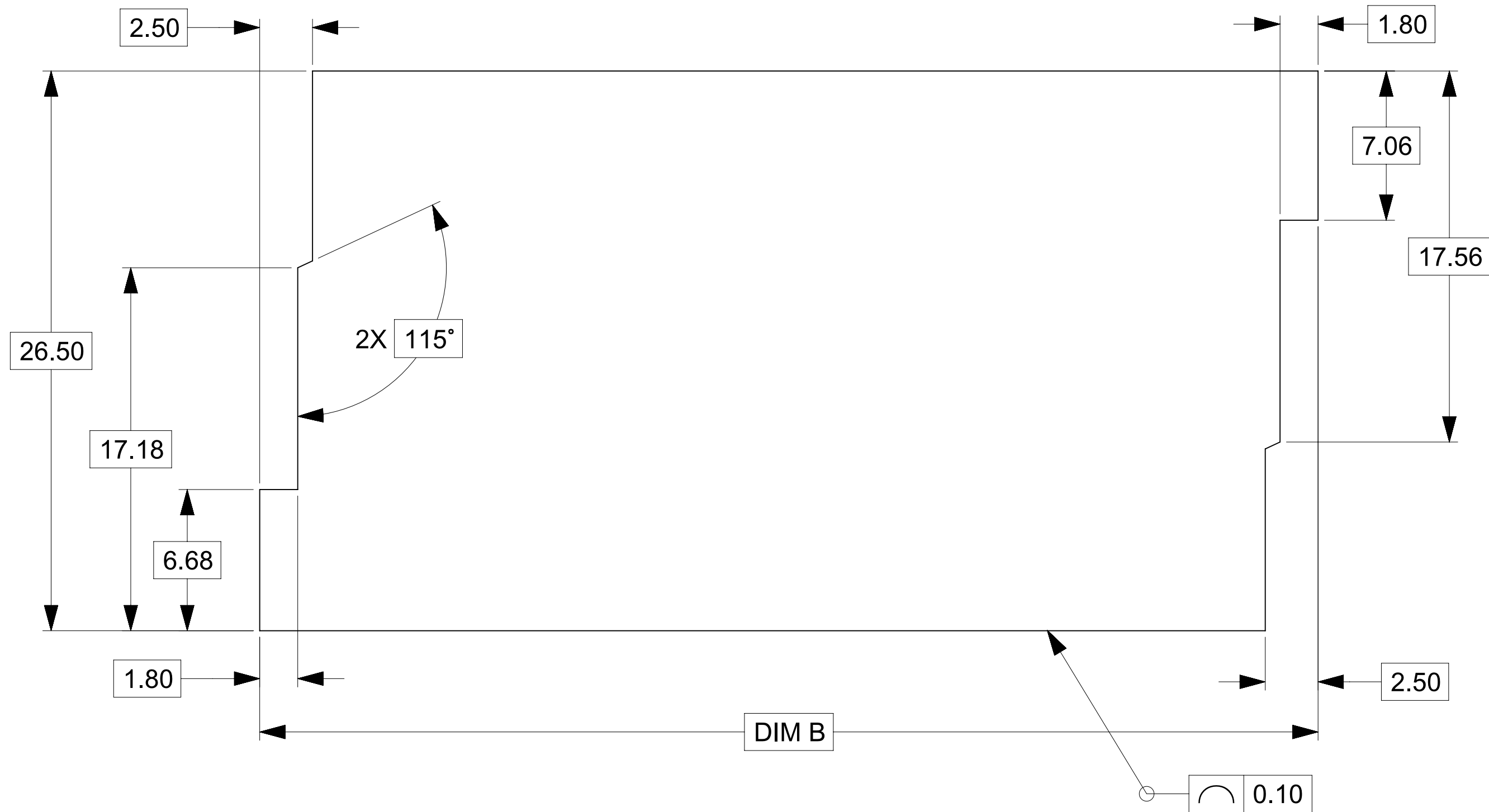
32 WAY
2005010321
2005010322
2005010323
2005010324

FUNCTIONAL SYMBOLS FA = 0 FC = 0 FP = 0 DIVISIONAL SYMBOLS	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		CURRENT REV DESC: SEE REVISION TABLE		molex STAK50H MODULAR HEADER VERT MULTIPLE BAY								
	DIMENSION UNITS mm	SCALE 5:1											
	GENERAL TOLERANCES (UNLESS SPECIFIED)				PRODUCT CUSTOMER DRAWING								
	ANGULAR TOL ± °				DOCUMENT NUMBER 2005050000	DOC TYPE PSD	DOC PART 000	REVISION D6					
4 PLACES ±				STATUS: Production		2024-09-03		MATERIAL NUMBER SEE TABLE		CUSTOMER		SHEET NUMBER 3 OF 4	
3 PLACES ±				DRWN: Praveen S		2024-09-06							
2 PLACES ± 0.130				CHK'D: Yann Chen		2024-09-06							
1 PLACE ± 0.25				APPR: Ringo Hu									
0 PLACES ±													
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION		DRAWING D-SIZE		SERIES 200505							



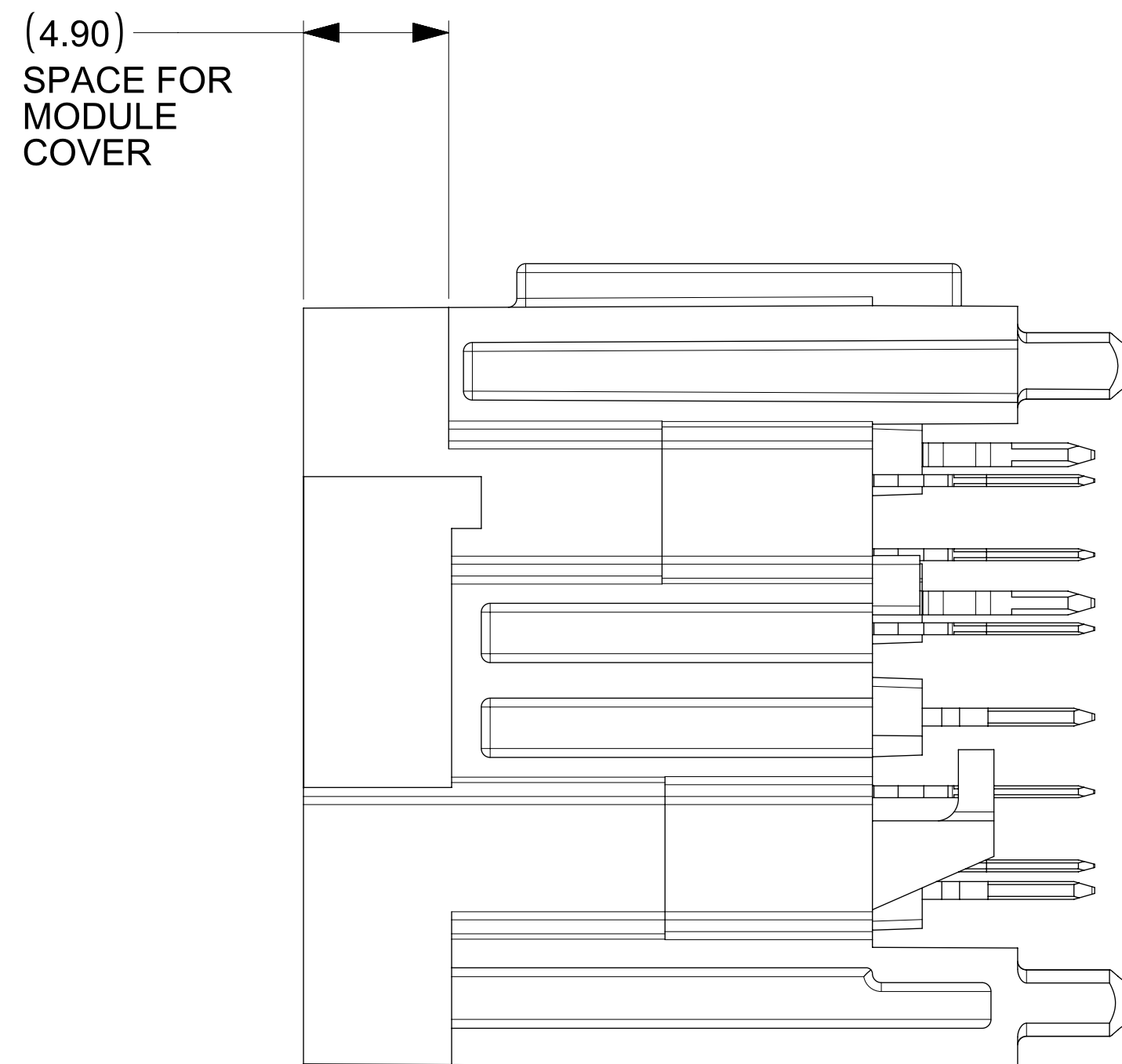
TYPICAL PCB TERMINATIONS
SIZE AND TRUE POSITION TOLERANCES
SEE INDIVIDUAL SINGLE BAY DRAWINGS FOR LOCATIONS (CHART ON SHEET 1)
PARTS TO BE INSPECTED WITH FUNCTIONAL GAGE
SEE NOTE 3.8

RECOMMENDED MODULE OPENING
TO PASS ISO 20653 IP-4
FOR INDIVIDUAL CONNECTOR IP RATINGS SEE PRODUCT SPECIFICATION IN NOTE 1.2



QTY BAYS	DIM B
2	50.1
3	73.5
4	96.9
5	120.3
6	143.7
7	167.1

FOR PACKAGE SPACE FOR CONNECTOR
UNMATED AND MATED WITH COVER
SEE INTERFACE DRAWINGS (CHART ON SHEET 1)



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: SEE REVISION TABLE			molex									
	mm		5:1														
	GENERAL TOLERANCES (UNLESS SPECIFIED)																
	ANGULAR TOL ± °																
DIVISIONAL SYMBOLS	FA = 0							STATUS: Production DRWN: Praveen S CHK'D: Yann Chen APPR: Ringo Hu			STAK50H MODULAR HEADER VERT MULTIPLE BAY						
	FC = 6																
	FP = 0																
	4 PLACES		±														
	3 PLACES		±														
2 PLACES		± 0.130		2024-09-03 2024-09-06 2024-09-06			PRODUCT CUSTOMER DRAWING										
1 PLACE		± 0.25															
0 PLACES		±															
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				THIRD ANGLE PROJECTION		DRAWING		SERIES		DOCUMENT NUMBER		DOC TYPE		DOC PART		REVISION	
						D-SIZE		200505		2005050000		PSD		000		D6	
										MATERIAL NUMBER		CUSTOMER				SHEET NUMBER	
										SEE TABLE						4 OF 4	