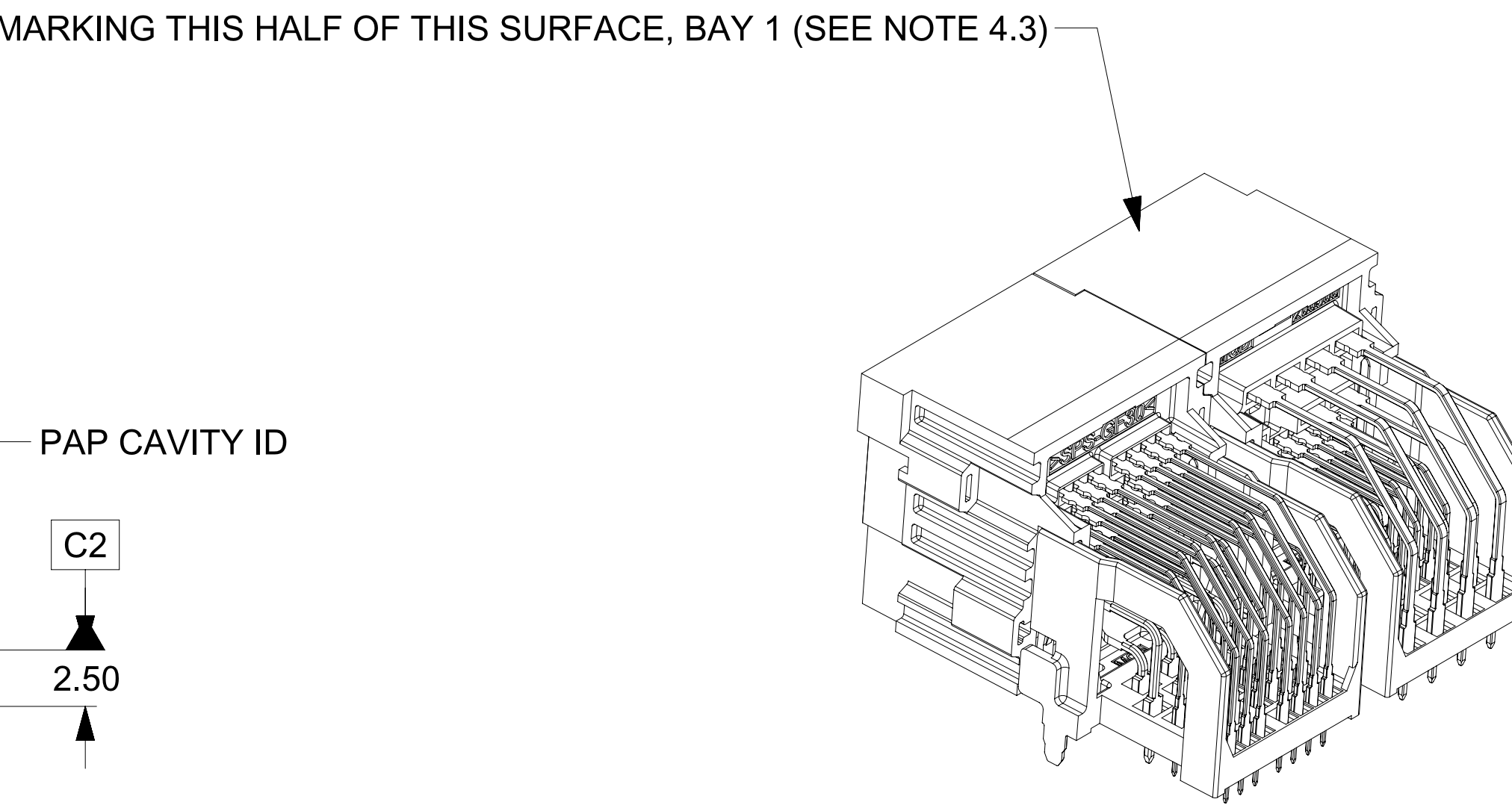
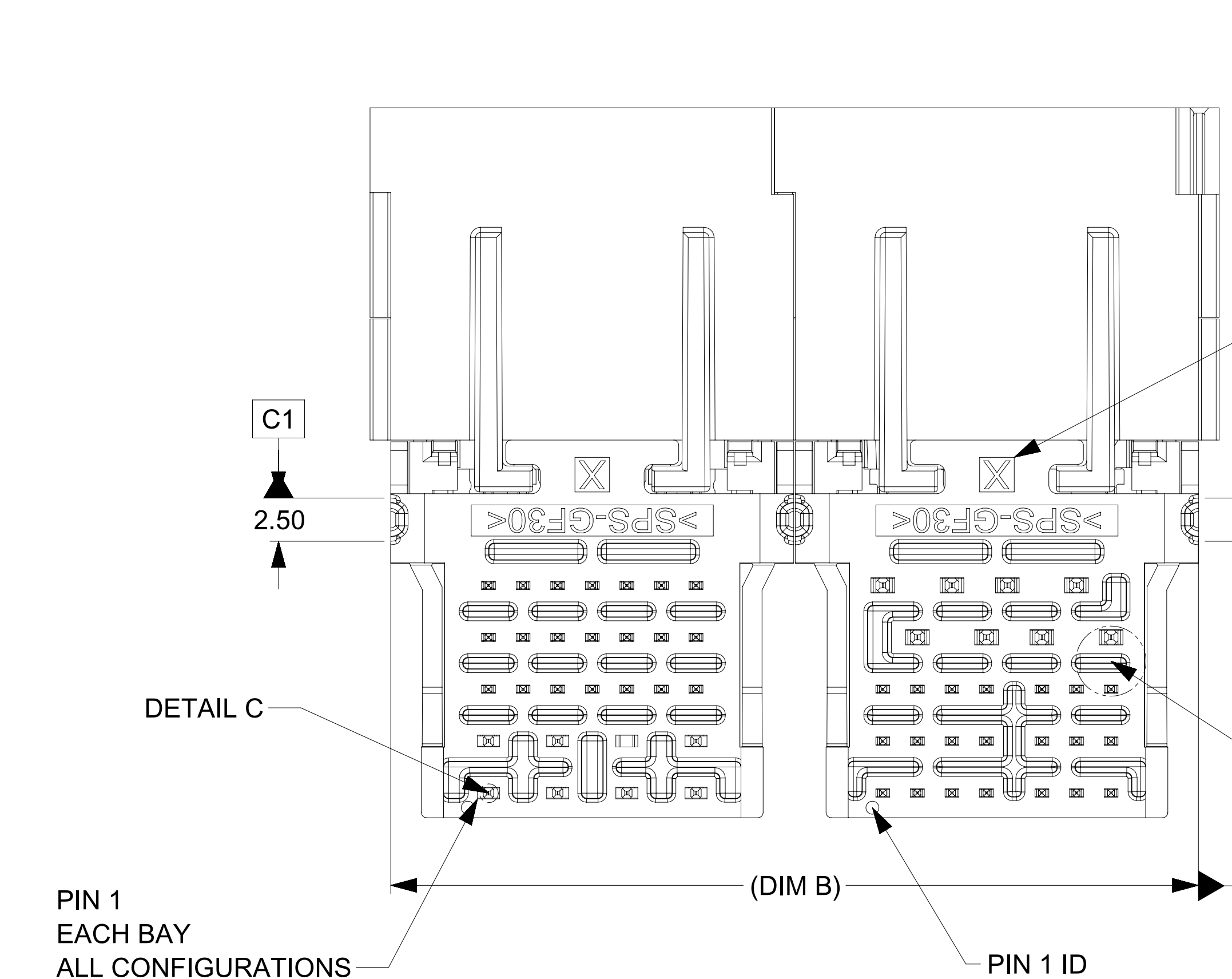
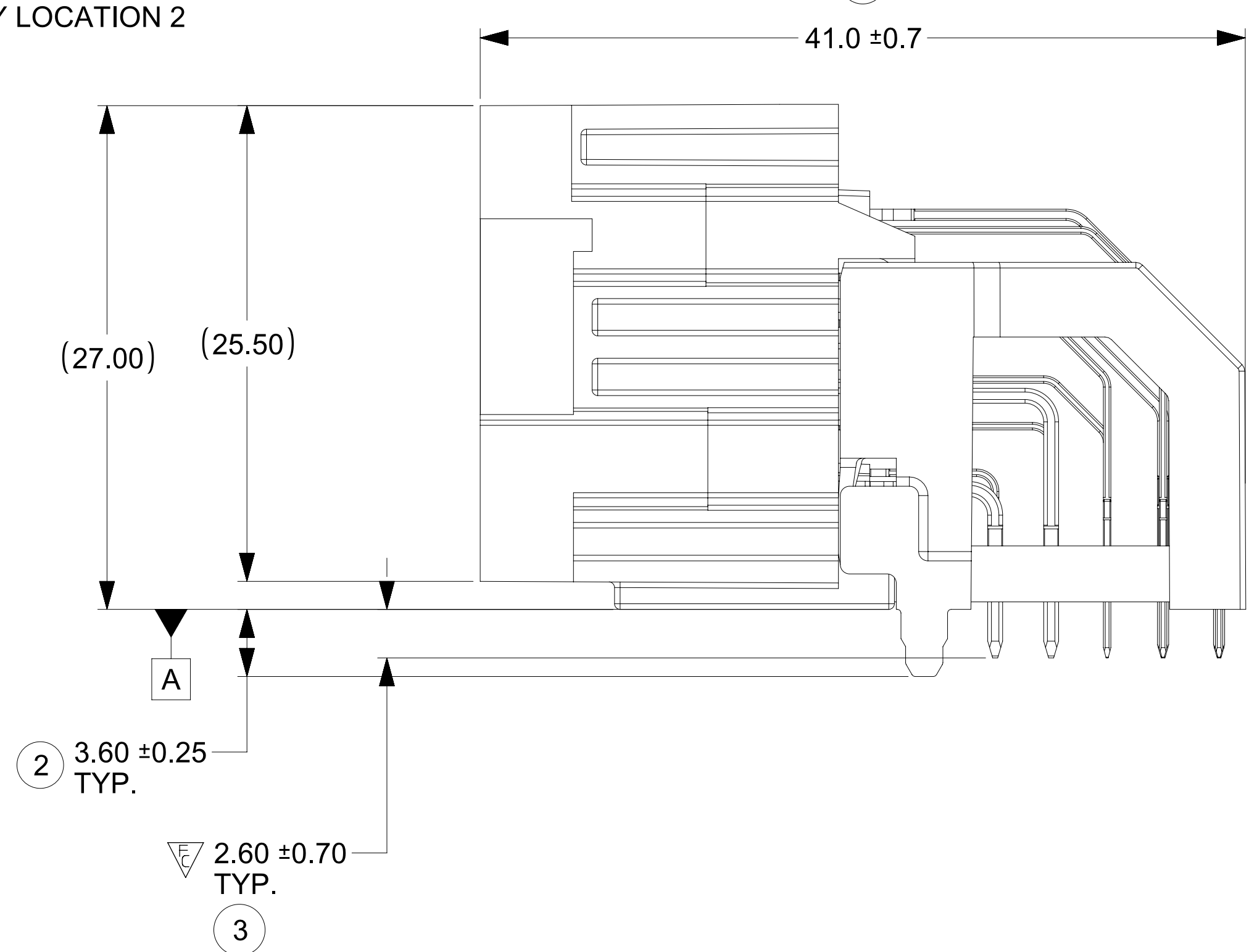
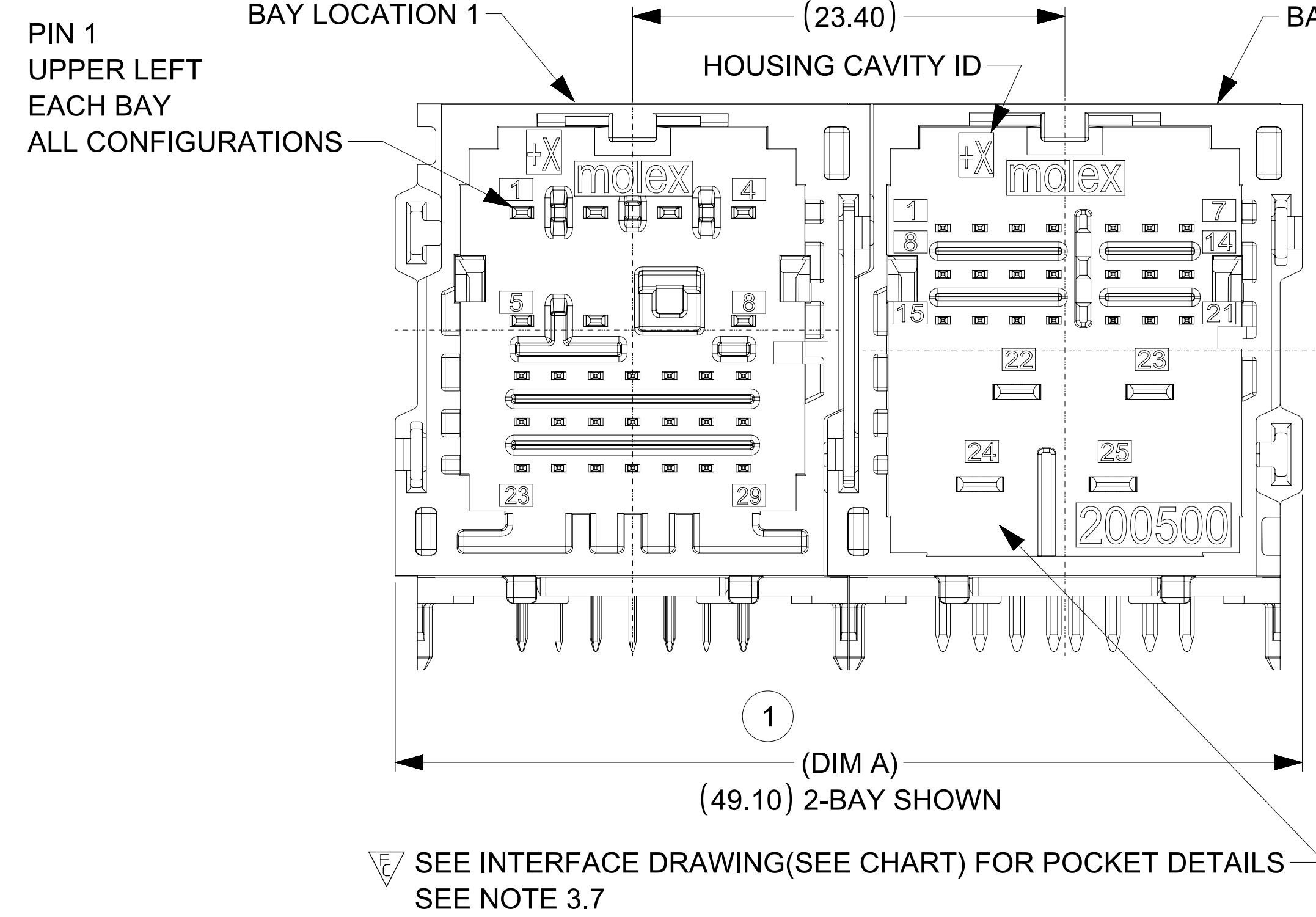




BAY QTY	DIM A	DIM B
2	49.1	46.7
3	72.5	70.1
4	95.9	93.5
5	119.3	116.9
6	142.7	140.3
7	166.1	163.7

- 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
TUBE PACKAGING: 2005028100
TRAY PACKAGING: 2005062105-PK
 2. DESIGN - MATERIALS: SEE COMPONENT DRAWINGS
 - 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
 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: "XXXXX" OR "XXXXX_X"
-" XXXXX" IS LAST 5 DIGITS OF PART NO AND DENOTES ORIGINAL ASSEMBLY LINE
-"_X" DENOTES CAPACITY ASSEMBLY LINE SUCH AS "_B" OR MORE IN FUTURE

INSPECTION BALLOON NUMBER LOG
PER DRAWING REVISION: D9
LAST BALLOON NUMBER: 16
ADDED BALLOON NUMBER: NONE
DELETED BALLOON NUMBER: NONE

SEE SHEET 2			
REVISION	DESCRIPTION		

FUNCTIONAL SYMBOLS FA = 0 FC = 2 FP = 0 DIVISIONAL SYMBOLS	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION	SCALE 4:1	CURRENT REV DESC: SEE REVISION TABLE	
	GENERAL TOLERANCES (UNLESS SPECIFIED)	ANGULAR TOL ± 0.5°	4 PLACES ±	3 PLACES ±
	2 PLACES ± 0.130	1 PLACE ± 0.25	0 PLACES ± 1.00	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS
	THIRD ANGLE PROJECTION	DRAWING D-SIZE	SERIES 200506	MATERIAL NUMBER SEE TABLE
STATUS: Production DRWN: Inthiyaz Mitaie CHK'D: Yann Chen APPR: Ringo Hu		2024-07-31 2024-08-01 2024-08-05	SHEET NUMBER 1 OF 5	

molex

STAK50H MOD HDR RA MULTI-BAY ASSEM

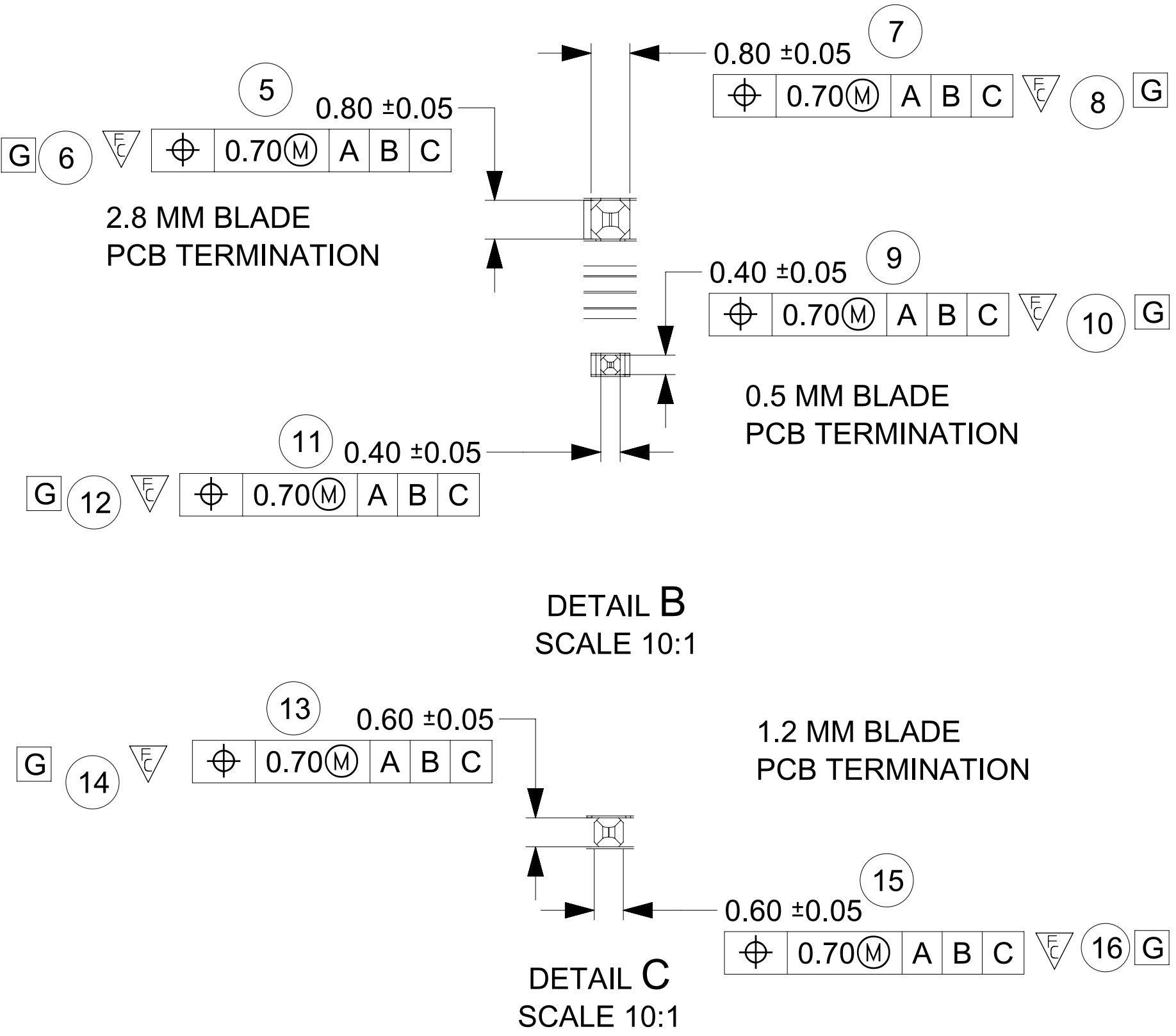
PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
2005060000	PSD	000	D9

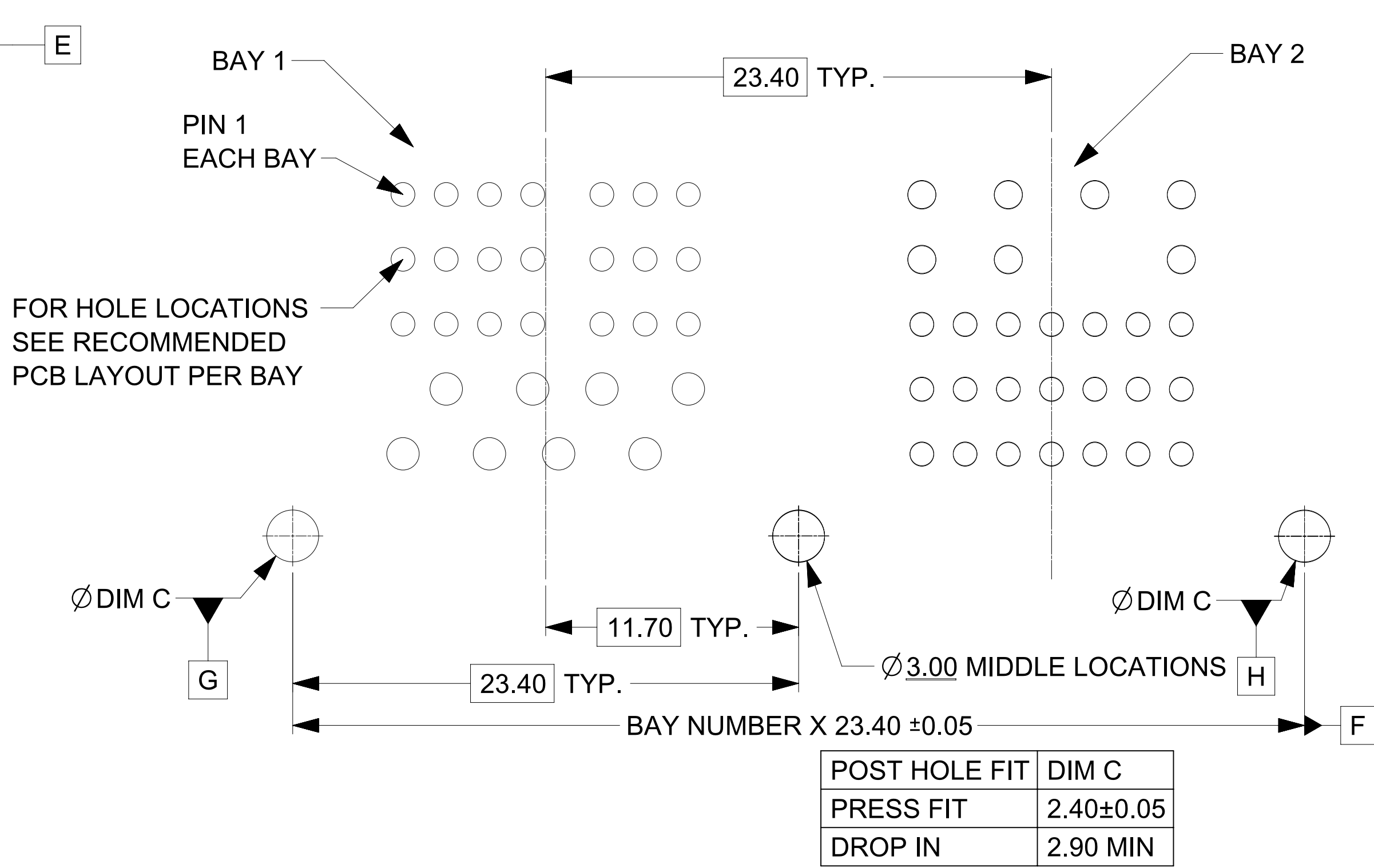
M	19		18		17		16		14		13		12		11		10		9		8		7		6		5		4		3		2		1							
	ASSEMBLY PART NO. TUBE PACKAGING 2005028100		ASSEMBLY PART NO. TRAY PACKAGING 2005062105-PK		SINGLE BAY ASSEMBLY PART NUMBER PER LOCATION														SINGLE BAY ASSEMBLY				DRAWING		INTERFACE DRAWING		TERMINAL QUANTITIES															
L	2005062004		2005062504		2005020284	2005020251	-----NA-----	-----NA-----	-----NA-----	-----NA-----	-----NA-----	-----NA-----	-----NA-----	-----NA-----	-----NA-----											0.5mm		1.2mm		2.8mm		D9	ADDED P/Ns 2005063023 and 2005063523									
	2005062005		2005062105		2005020121	2005020271	-----NA-----	-----NA-----	-----NA-----	-----NA-----	-----NA-----	-----NA-----	-----NA-----	-----NA-----	-----NA-----													8		4		D8	ADDED P/Ns 2005062040 & 2005062540									
	2005066001		2005066501		2005020281	2005020322	2005020253	2005020283	2005020324	2005020273	-----NA-----	-----NA-----	-----NA-----	-----NA-----	-----NA-----													21		4		D7	ADDED PNs 2005065008, 2005065508, 2005065009, & 2005065509									
	2005063001		2005063501		2005020123	2005020321	2005020323	-----NA-----	-----NA-----	-----NA-----	-----NA-----	-----NA-----	-----NA-----	-----NA-----	-----NA-----																	D6	ADDED PNs 2005062039, 2005062539, 2005064010 & 2005064510									
	2005062007		2005062507		2005020121	2005020122	-----NA-----	-----NA-----	-----NA-----	-----NA-----	-----NA-----	-----NA-----	-----NA-----	-----NA-----	-----NA-----																	D5	ADDED P/Ns 2005062038 & 2005062538									
K	2005062008		2005062026		2005020321	2005020323	-----NA-----	-----NA-----	-----NA-----	-----NA-----	-----NA-----	-----NA-----	-----NA-----	-----NA-----	-----NA-----																	D4	ADDED P/Ns 2005063021, 2005063022, 2005064009, 2005062037									
	2005063006		2005063506		2005020321	2005020282	2005020323	-----NA-----	-----NA-----	-----NA-----	-----NA-----	-----NA-----	-----NA-----	-----NA-----	-----NA-----																	D3	ADDED P/Ns 2005062035 & 2005062036									
	2005063007		2005063507		2005020321	2005020322	2005020323	-----NA-----	-----NA-----	-----NA-----	-----NA-----	-----NA-----	-----NA-----	-----NA-----	-----NA-----																	D2	ADDED P/N 2005065007									
	2005063008		2005063508		2005020321	2005020282	2005020283	-----NA-----	-----NA-----	-----NA-----	-----NA-----	-----NA-----	-----NA-----	-----NA-----	-----NA-----																	D1	UPDATED CHILD PNs IN 2005062031, 2005062531, 2005066005, 2005066006, 2005066505 & 2005066506									
	2005063003		2005063503		2005020251	2005020252	2005020321	-----NA-----	-----NA-----	-----NA-----	-----NA-----	-----NA-----	-----NA-----	-----NA-----	-----NA-----																	D	UPDATED THE PACKAGING DETAILS									
J	2005063009		2005063509		2005020123	2005020253	2005020322	-----NA-----	-----NA-----	-----NA-----	-----NA-----	-----NA-----	-----NA-----	-----NA-----	-----NA-----																	C26	ADDED PNs 2005063020 & 2005064008									
	2005062009		2005062509		2005020284	2005020281	-----NA-----	-----NA-----	-----NA-----	-----NA-----	-----NA-----	-----NA-----	-----NA-----	-----NA-----	-----NA-----																	C25	ADDED PN 2005062034									
	2005063010		2005063510		2005020122	2005020123	2005020124	-----NA-----	-----NA-----	-----NA-----	-----NA-----	-----NA-----	-----NA-----	-----NA-----	-----NA-----																	C24	ADDED PNs 2005065006, 2005066005, 2005066006, 2005062030, 2005062031, 2005062032, 2005062033									
	2005063011		2005063511		2005020322	2005020252	2005020251	-----NA-----	-----NA-----	-----NA-----	-----NA-----	-----NA-----	-----NA-----	-----NA-----	-----NA-----																	C23	ADDED P/N 2005062029									
	2005066002		2005066502		2005020251	2005020252	2005020123	2005020122	2005020124	2005020322	-----NA-----	-----NA-----	-----NA-----	-----NA-----	-----NA-----																	C22	ADDED P/N 2005062026 FOR TRAY PACKAGING ADDED P/NS 2005062027 & 2005062028 FOR TUBE PKG									
H	2005065003		2005065503		2005020251	2005020252	2005020253	2005020324	2005020323	-----NA-----	-----NA-----	-----NA-----	-----NA-----	-----NA-----	-----NA-----																	C21	ADDED P/N 2005062025 FOR TUBE PACKAGING									
	2005062012		2005062023		2005020323	2005020121	-----NA-----	-----NA-----	-----NA-----	-----NA-----	-----NA-----	-----NA-----	-----NA-----	-----NA-----	-----NA-----																	C20	ADDED P/N 2005062024 FOR TRAY PACKAGING									
	2005063012		2005063512		2005020321	2005020322	2005020254	-----NA-----	-----NA-----	-----NA-----	-----NA-----	-----NA-----	-----NA-----	-----NA-----	-----NA-----																	C19	ADDED P/N 2005062023 FOR TRAY PACKAGING									
	2005064004		2005064504		2005020321	2005020322	2005020323	2005020324	-----NA-----	-----NA-----	-----NA-----	-----NA-----	-----NA-----	-----NA-----	-----NA-----																	C18	ADDED P/N 2005063019									
	2005062013		2005062513		2005020323	2005020324	-----NA-----	-----NA-----	-----NA-----	-----NA-----	-----NA-----	-----NA-----	-----NA-----	-----NA-----	-----NA-----																	C17	ADDED P/N 2005065005									
G	2005062014		2005062514		2005020324	2005020321	-----NA-----	-----NA-----	-----NA-----	-----NA-----	-----NA-----	-----NA-----	-----NA-----	-----NA-----	-----NA-----																	C16	ADDED P/N 2005062022									
	2005064006		2005064506		2005020253	2005020281	2005020282	2005020283	-----NA-----	-----NA-----	-----NA-----	-----NA-----	-----NA-----	-----NA-----	-----NA-----																	C15	ADDED P/Ns 2005062021 & 2005063018									
	2005062015		2005062515		2005020271	2005020124	-----NA-----	-----NA-----	-----NA-----	-----NA-----	-----NA-----	-----NA-----	-----NA-----	-----NA-----	-----NA-----																	C14	ADDED PART NUMBER 2005063017									
	2005063015		2005063515		2005020323	2005020271	2005020124	-----NA-----	-----NA-----	-----NA-----	-----NA-----	-----NA-----	-----NA-----	-----NA-----	-----NA-----																	C13	SHEET 1: ADD PACKAGING NO. SHEET 2: ADD P/N 2005062105 ADD PACKAGING COLUMN IN THE TABLE									
	2005063016		2005063516		2005020281	2005020282	2005020283	-----NA-----	-----NA-----	-----NA-----	-----NA-----	-----NA-----	-----NA-----	-----NA-----	-----NA-----																	C12	ADDED PART NUMBER 2005062020									
F	2005062017		2005062517		2005020251	2005020322	-----NA-----	-----NA-----	-----NA-----	-----NA-----	-----NA-----	-----NA-----	-----NA-----	-----NA-----	-----NA-----																	C11	ADDED PART NUMBERS: 2005062017; 2005062018; 2005062019									
	2005062018		2005062518		2005020271	2005020251	-----NA-----	-----NA-----	-----NA-----	-----NA-----	-----NA-----	-----NA-----	-----NA-----	-----NA-----	-----NA-----																	C10	NOTE 4.3 UPDATED									
	2005062019		2005062519		2005020251	2005020252	-----NA-----	-----NA-----	-----NA-----	-----NA-----	-----NA-----	-----NA-----	-----NA-----	-----NA-----	-----NA-----																	C9	ADDED PART NUMBER 2005063016; ECN 655445									
	2005062020		2005062520		2005020321	2005020281	-----NA-----	-----NA-----	-----NA-----	-----NA-----	-----NA-----	-----NA-----	-----NA-----	-----NA-----	-----NA-----																	C8	ADDED MISSED DATUM F 11-JUNE-2020 YPENG47 ECN:639277									
	2005063017		2005063517		2005020121	2005020251	2005020252	-----NA-----	-----NA-----	-----NA-----	-----NA-----	-----NA-----	-----NA-----	-----NA-----	-----NA-----																	C7	ADDED PCB HOLE DIMENSIONAL & POSITIONAL TOLERANCE ADDED P/Ns 2005062015 & 2005063015 07JAN2020 JBR: ECN 630121									
E	2005062021		2005062024		2005020253	2005020321	-----NA-----	-----NA-----	-----NA-----	-----NA-----	-----NA-----	-----NA-----	-----NA-----	-----NA-----	-----NA-----																	C6	ADDED PART NUMBER 2005064006; ECN 623652									
	2005063018		2005063518		2005020252	2005020251	2005020121	-----NA-----	-----NA-----	-----NA-----	-----NA-----	-----NA-----	-----NA-----	-----NA-----	-----NA-----																	C5	ADDED PART NUMBER 2005062013, 2005062014 ECN 621423									
	2005062022		2005062522		2005020322	2005020251	-----NA-----	-----NA-----	-----NA-----	-----NA-----	-----NA-----	-----NA-----	-----NA-----	-----NA-----	-----NA-----																	C4	ADDED PART NUMBER 2005064004; ECN 620443									
	2005065005		2005065505		2005020323	2005020324	2005020273	2005020271	2005020251	-----NA-----	-----NA-----	-----NA-----	-----NA-----	-----NA-----	-----NA-----																	C3	ADDED PART NUMBER 2005063012; ECN 618092									
	2005063019		2005063519		2005020322	2005020272	2005020271	-----NA-----	-----NA-----	-----NA-----	-----NA-----	-----NA-----	-----NA-----	-----NA-----	-----NA-----																	C2	ADDED PART NUMBER 2005062012; ECN 610976									
D	2005062025		2005062525		2005020322	2005020122	-----NA-----	-----NA-----	-----NA-----	-----NA-----	-----NA-----	-----NA-----	-----NA-----	-----NA-----	-----NA-----																	C1	CORRECTED BAY SERIES NUMBER IN 2005062001. UPDATED PCB TERMINATION DRAWINGS. CLARIFIED PCB HEIGHT TO DATUM A. ECN 602205.									
	2005062027		2005062527		2005020281	2005020251	-----NA-----	-----NA-----	-----NA-----	-----NA-----	-----NA-----	-----NA-----	-----NA-----	-----NA-----	-----NA-----																	C	INTERFACE GEOMETRY CHANGE TO LOCK TAB. ADDED PART NUMBERS. SAP ECN 10906786.									
	2005062028		2005062528		2005020282	2005020321	-----NA-----	-----NA-----	-----NA-----	-----NA-----	-----NA-----	-----NA-----	-----NA-----	-----NA-----	-----NA-----																	B6	ADDED PART NUMBER 2005062011.									
	2005062029		2005062529		2005020121	2005020322	-----NA-----	-----NA-----	-----NA-----	-----NA-----	-----NA-----	-----NA-----	-----NA-----	-----NA-----	-----NA-----																	B5	ADDED TWO NEW PART NUMBERS AND CHANGED KEYS FOR 2005062009; ECN 10878438									
	2005065006		2005065506		2005020323	2005020322	2005020324	2005020252	2005020253	-----NA-----	-----NA-----	-----NA-----	-----NA-----	-----NA-----	-----NA-----																	B4	ADDED PART NUMBER									
C	2005066005		2005066505		2005021231	2005021232	2005021233	2005020121	2005020122	2005020123	-----NA-----	-----NA-----	-----NA-----	-----NA-----	-----NA-----																	B3	REVISED PART NUMBER SAP ECN 10868615									
	2005066006		2005066506		2005021231	2005021232	2005021233	2005021234	2005020282	2005020121	-----NA-----	-----NA-----	-----NA-----	-----NA-----	-----NA-----																	B2	ADDED PART NUMBER SAP ECN 10867945									
	2005062030		2005062530		2005020251	2005020121	-----NA-----	-----NA-----	-----NA-----	-----NA-----	-----NA-----	-----NA-----	-----NA-----	-----NA-----	-----NA-----																	B1	CORRECTED PART NUMBERS. ADDED PART NUMBER. CHANGED TOL ON DIM 4 TO +/-0.7. CORRECTED VIEW ROTATION SHEET 3. RELEASE TO SAP ECN 10861460.									
	2005062031		2005062531		2005021231	2005020123	-----NA-----	-----NA-----	-----NA-----	-----NA-----	-----NA-----	-----NA-----	-----NA-----	-----NA-----	-----NA-----																	B	MODULE OPENING CHANGE. UPDATED NOTES. ADDED NEW PART NUMBERS									
	2005062032		2005062532		2005020121	2005020321	-----NA-----	-----NA-----	-----NA-----	-----NA-----	-----NA-----	-----NA-----	-----NA-----	-----NA-----	-----NA-----																	A5	ADDED PART NUMBER									
B	2005062033		2005062533		2005020322	2005020323	-----NA-----	-----NA-----	-----NA-----	-----NA-----	-----NA-----	-----NA-----	-----NA-----	-----NA-----	-----NA-----																	A4	ADDED PART NUMBER									
	2005062034		2005062534		2005020281	2005020282	-----NA-----	-----NA-----	-----NA-----	-----NA-----	-----NA-----	-----NA-----	-----NA-----	-----NA-----	-----																											

[illegible]

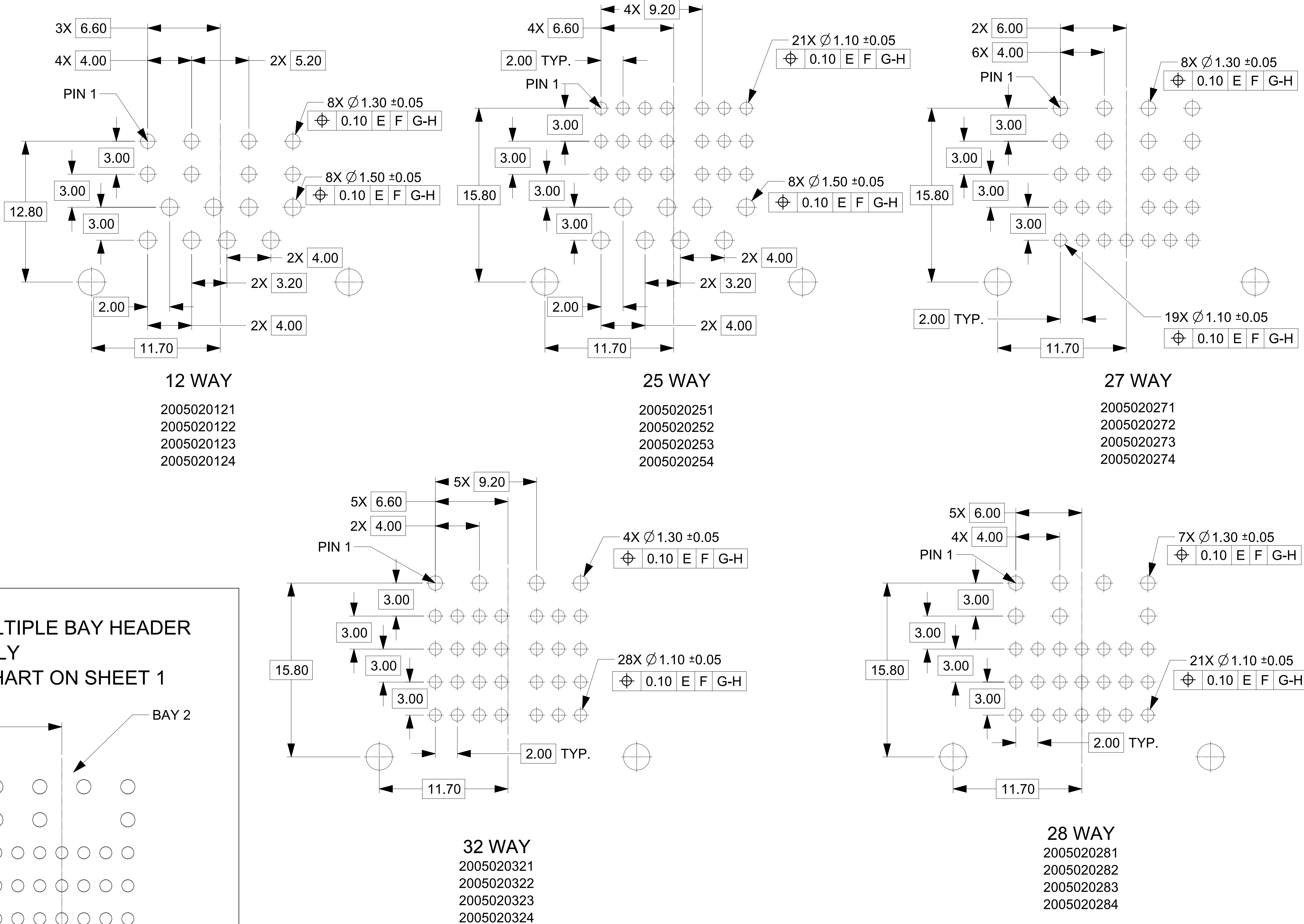
TYPICAL PCB TERMINATIONS
SIZE AND TRUE POSITION TOLERANCES
SEE INDIVIDUAL SINGLE BAY DRAWINGS
FOR LOCATIONS (CHART ON SHEET 1)
PARTS TO BE CHECKED WITH FUNTIONAL GAGE
SEE NOTE 3.8



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



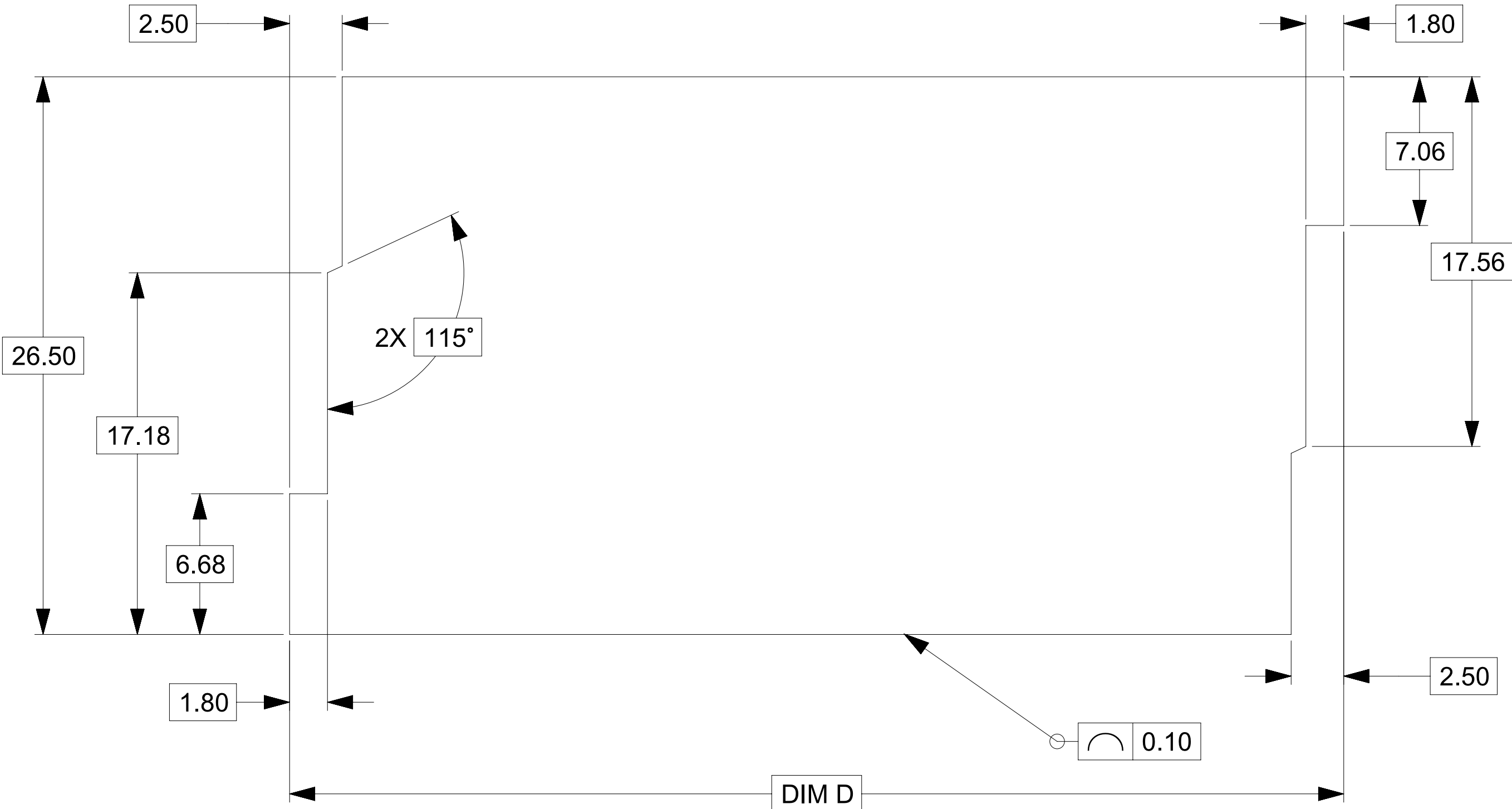
RECOMMENDED PCB LAYOUT PER BAY
FOR REFERENCE ONLY



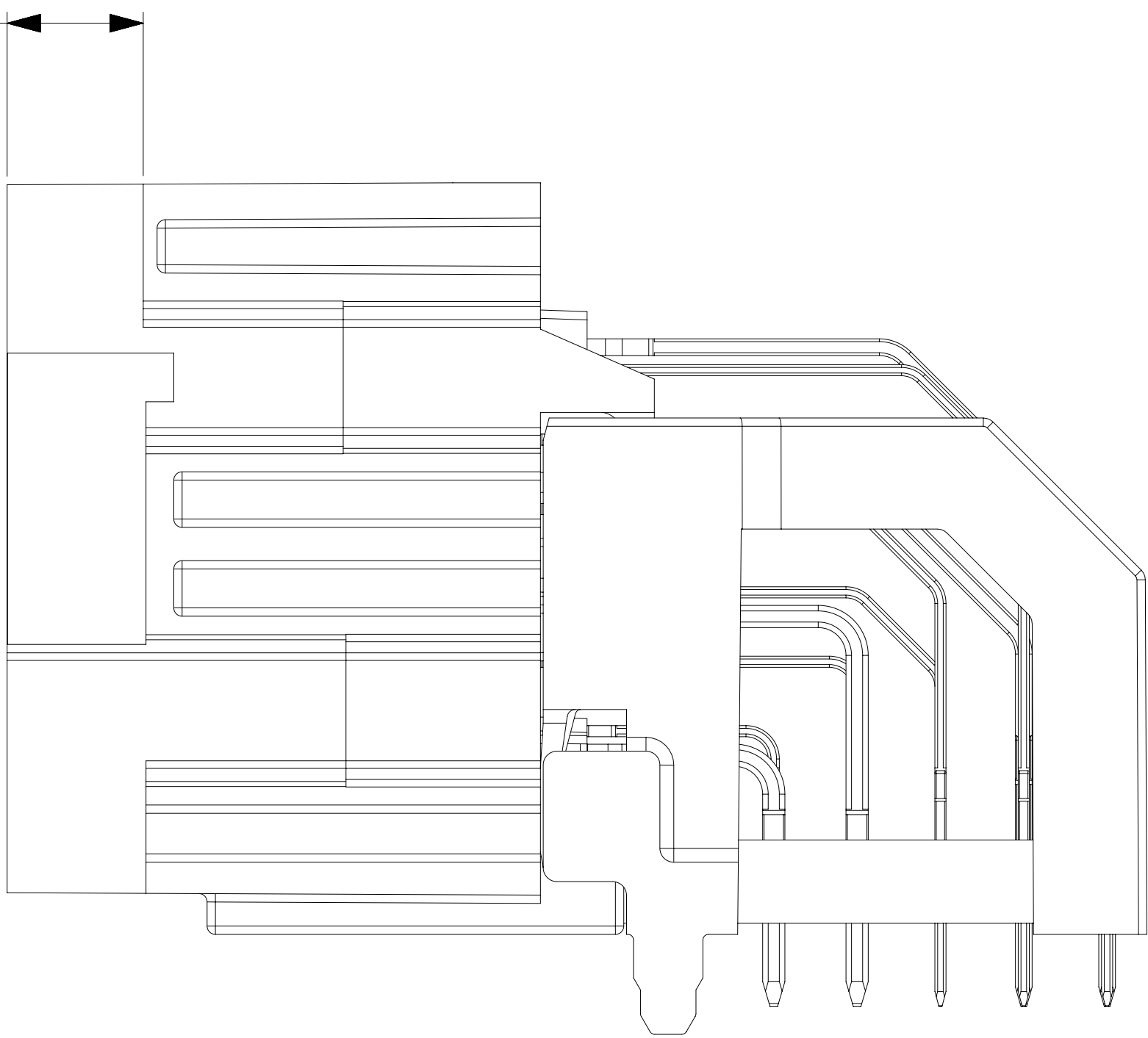
FUNCTIONAL SYMBOLS	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION												
	DIMENSION UNITS		SCALE		CURRENT REV DESC: SEE REVISION TABLE			molex					
	mm	5:1											
	GENERAL TOLERANCES (UNLESS SPECIFIED)				STAK50H MOD HDR RA MULTI-BAY ASSEM								
ANGULAR TOL		±	0.5°										
4 PLACES		±											
3 PLACES		±											
2 PLACES		± 0.130											
DIVISIONAL SYMBOLS	1 PLACE		± 0.25		STATUS: Production			PRODUCT CUSTOMER DRAWING					
	0 PLACES		± 1.00										
	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION		DRAWING		SERIES		DOCUMENT NUMBER		DOC TYPE	DOC PART	REVISION
					D-SIZE		200506		2005060000		PSD	000	D9
								MATERIAL NUMBER		CUSTOMER		SHEET NUMBER	
								SEE TABLE				4 OF 5	

BAY QTY	DIM D
2	50.1
3	73.5
4	96.9
5	120.3
6	143.7
7	167.1

RECOMMENDED MODULE OPENING
TO PASS ISO 20653 IP-4

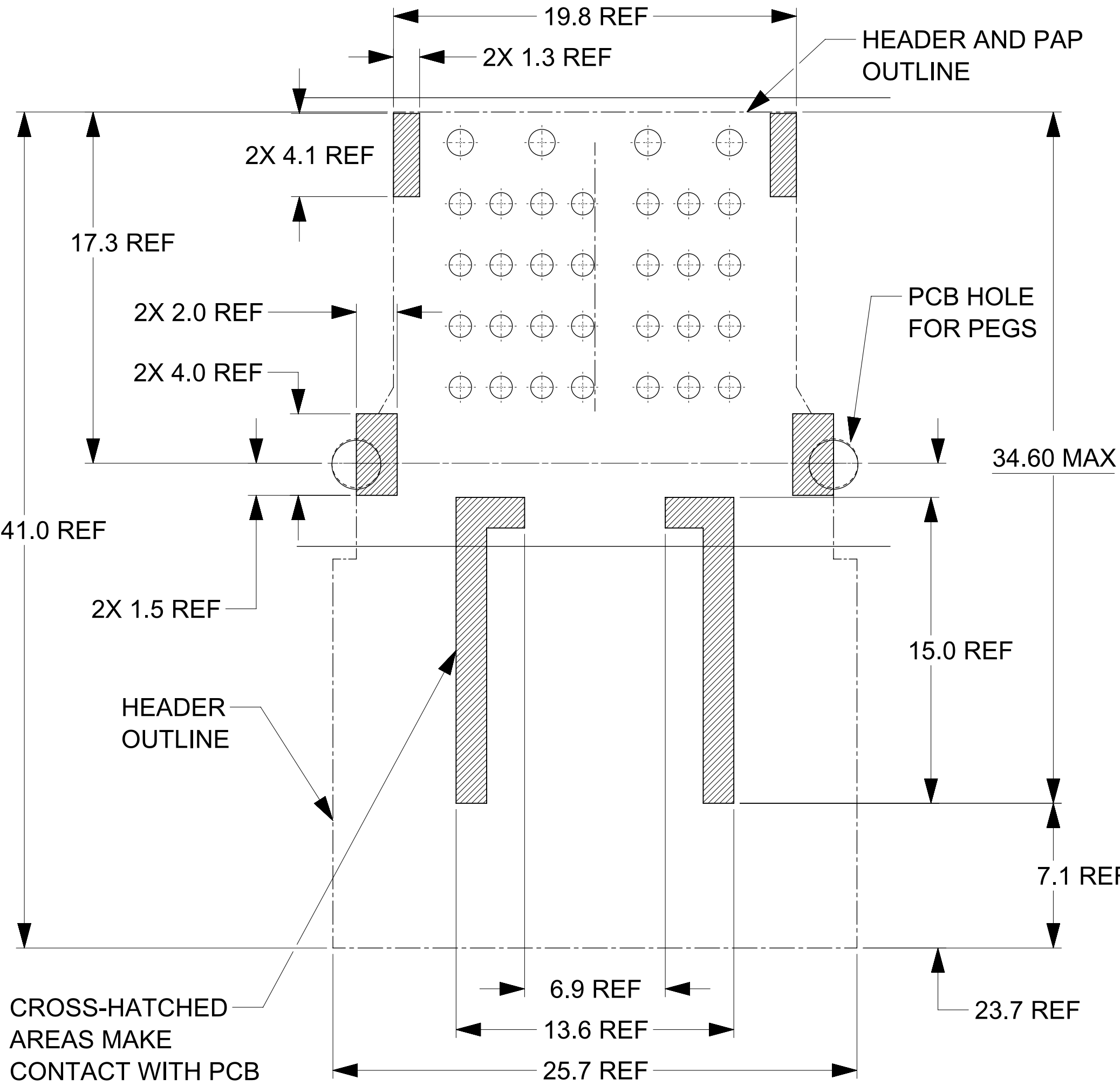


(4.90)
SPACE FOR
MODULE
COVER



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

HEADER OUTLINE AND
PCB - HEADER CONTACT AREAS
FOR REFERENCE ONLY



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				
F A = 0	mm		1:1		GENERAL TOLERANCES (UNLESS SPECIFIED)						STAK50H MOD HDR RA MULTI-BAY ASSEM		
F C = 0	ANGULAR TOL ± 0.5°												
F P = 0													
DIVISIONAL SYMBOLS	4 PLACES		±		STATUS: Production DRWN: Inthiyaz Mitaie 2024-07-31 CHK'D: Yann Chen 2024-08-01 APPR: Ringo Hu 2024-08-05				PRODUCT CUSTOMER DRAWING				
	3 PLACES		±						DOCUMENT NUMBER				DOC TYPE
	2 PLACES		± 0.130						2005060000		PSD	000	D9
	1 PLACE		± 0.25										
	0 PLACES		± 1.00										
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				THIRD ANGLE PROJECTION		DRAWING	SERIES	MATERIAL NUMBER		CUSTOMER	SHEET NUMBER		
						D-SIZE	200506	SEE TABLE			5 OF 5		