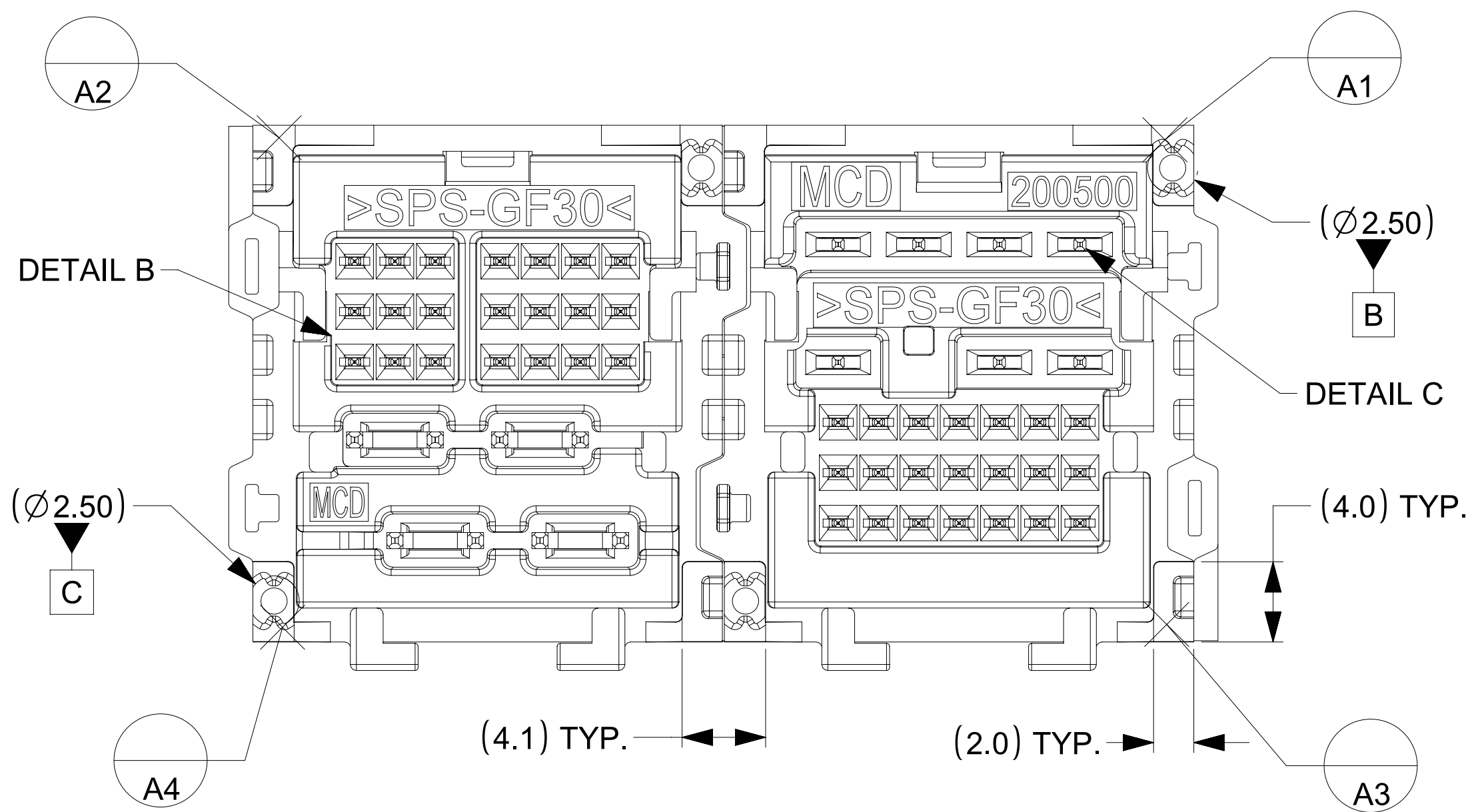




BAY QTY	DIM A
2	49.1
3	72.5
4	95.9
5	119.3
6	142.7
7	166.1

SEE SHEET 2	
REVISION	DESCRIPTION

molex

STAK50H MODULAR HEADER VERT MULTIPLE BAY

PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
2005050000	PSD	000	E4

MATERIAL NUMBER	CUSTOMER	SHEET NUMBER
SEE TABLE	GENERAL MARKET	1 OF 4

FUNCTIONAL SYMBOLS	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION														
F = 0 F = 2 F = 0	DIMENSION UNITS		SCALE		CURRENT REV DESC: SEE REVISION TABLE			molex STAK50H MODULAR HEADER VERT MULTIPLE BAY							
	mm		4:1												
	GENERAL TOLERANCES (UNLESS SPECIFIED)														
	ANGULAR TOL ± °														
	4 PLACES		±												
DIVISIONAL SYMBOLS	3 PLACES		±		STATUS: Production DRWN: Manikya MD 2026-02-16 CHK'D: Kenneth Dai 2026-03-02 APPR: Ringo Hu 2026-03-04			PRODUCT CUSTOMER DRAWING							
	2 PLACES		± 0.130					DOCUMENT NUMBER		DOC TYPE		DOC PART		REVISION	
	1 PLACE		± 0.25					2005050000		PSD		000		E4	
	0 PLACES		±												
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				THIRD ANGLE PROJECTION		DRAWING		SERIES		MATERIAL NUMBER		CUSTOMER		SHEET NUMBER	
						D-SIZE		200505		SEE TABLE		GENERAL MARKET		1 OF 4	

INSPECTION BALLOON NUMBER LOG
PER DRAWING REVISION: E4
LAST BALLOON NUMBER: 17
ADDED BALLOON NUMBER: NONE
DELETED BALLOON NUMBER: NONE

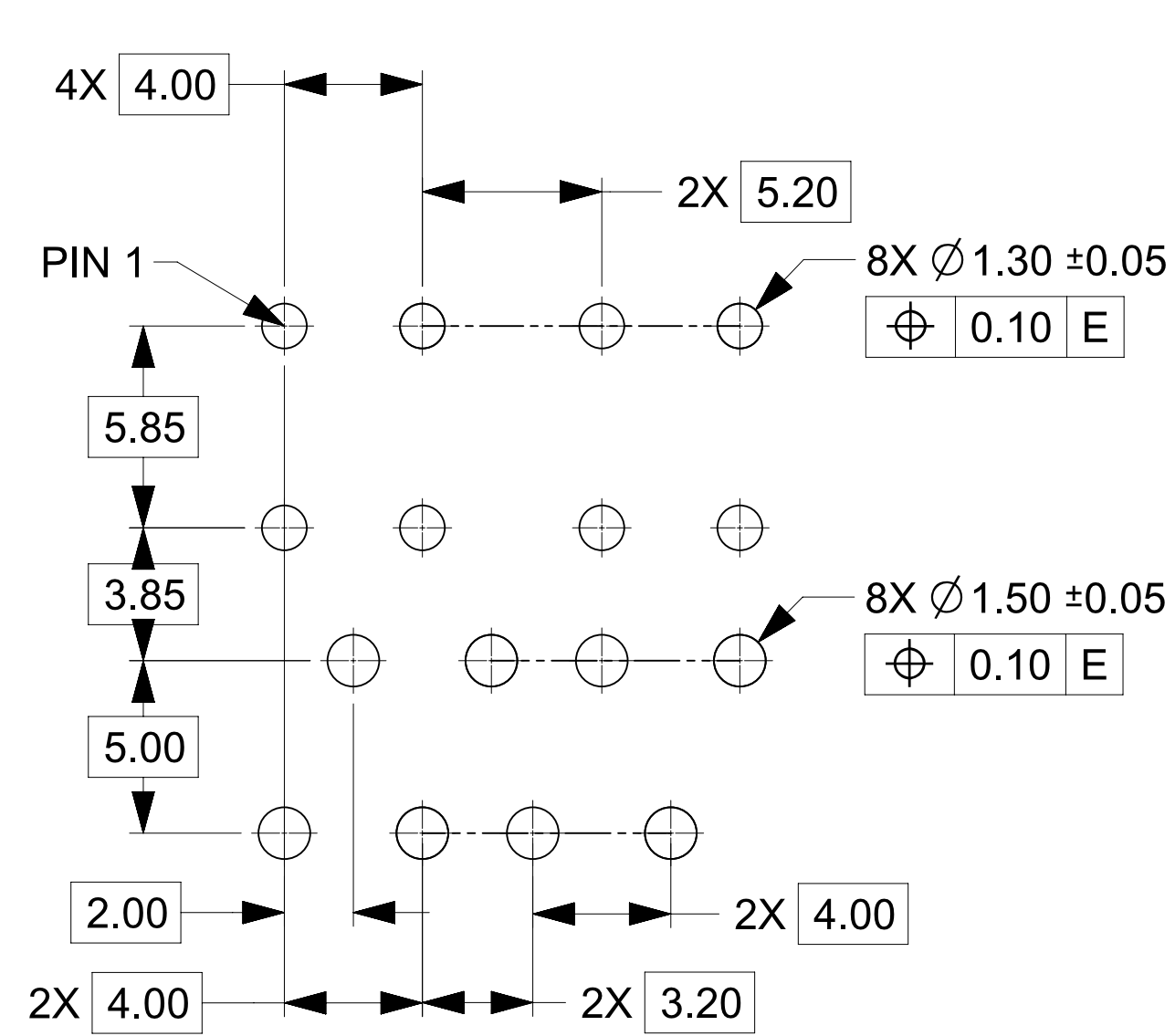
- NOTES: VALID UNLESS OTHERWISE SPECIFIED
1. GENERAL:
 - 1.1 APPLICATION SPECIFICATION 2005060000-AS
 - 1.2 PRODUCT SPECIFICATION 2005060001-PS
CLASSIFICATIONS T2V1S1 TO GMW 3191 2012
 - 1.3 PACKAGING SPECIFICATION PER MOLEX DRAWING
 2. DESIGN - MATERIALS:
 - 2.1 HOUSING: SPS 30% GF
 - 2.2 BLADE TERMINALS:
 - A. 0.5MM BLADES
BASE MATERIAL: COPPER ALLOY
UNDERPLATE: OVERALL NICKEL
OVERPLATE: OVERALL TIN
 - B. 1.2MM BLADES
BASE MATERIAL: COPPER ALLOY
UNDERPLATE: OVERALL NICKEL
OVERPLATE: OVERALL TIN
 - C. 2.8MM BLADES
BASE MATERIAL: COPPER ALLOY
UNDERPLATE: OVERALL NICKEL
OVERPLATE: OVERALL TIN
 - D. 6.3MM BLADES
BASE MATERIAL: COPPER ALLOY
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 PIN PCB SIDE TRUE POSITION TO BE VERIFIED ON LINE WITH CCD INSPECT
 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: "YYDDDDHHMMSS"
- 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

ASSEMBLY PART NO. TUBE PACKAGING 2005058100	ASSEMBLY PART NO. TRAY PACKAGING 2005053013-PK	SINGLE BAY ASSEMBLY PART NUMBER PER LOCATION						
		1	2	3	4	5	6	7
2005052003	2005052503	2005010281	2005010251	-----NA-----	-----NA-----	-----NA-----	-----NA-----	-----NA-----
2005053001	2005053501	2005010271	2005010272	2005010321	-----NA-----	-----NA-----	-----NA-----	-----NA-----
2005054001	2005054501	2005010251	2005010281	2005010321	2005010282	-----NA-----	-----NA-----	-----NA-----
2005053002	2005053502	2005010271	2005010273	2005010322	-----NA-----	-----NA-----	-----NA-----	-----NA-----
2005053003	2005053503	2005010252	2005010271	2005010322	-----NA-----	-----NA-----	-----NA-----	-----NA-----
2005052004	2005052005	2005010322	2005010122	-----NA-----	-----NA-----	-----NA-----	-----NA-----	-----NA-----
2005053004	2005053013	2005010122	2005010322	2005010324	-----NA-----	-----NA-----	-----NA-----	-----NA-----
2005052007	2005052507	2005010322	2005010324	-----NA-----	-----NA-----	-----NA-----	-----NA-----	-----NA-----
2005053005	2005053505	2005010122	2005010281	2005010123	-----NA-----	-----NA-----	-----NA-----	-----NA-----
2005053009	2005053509	2005010121	2005010281	2005010251	-----NA-----	-----NA-----	-----NA-----	-----NA-----
2005056001	2005056501	2005010281	2005010322	2005010253	2005010122	2005010324	2005010273	-----NA-----
2005053010	2005053510	2005010321	2005010323	2005010324	-----NA-----	-----NA-----	-----NA-----	-----NA-----
2005053011	2005053511	2005010323	2005010324	2005010252	-----NA-----	-----NA-----	-----NA-----	-----NA-----
2005054002	2005054502	2005010321	2005010281	2005010251	2005010322	-----NA-----	-----NA-----	-----NA-----
2005052009	2005052509	2005010251	2005010252	-----NA-----	-----NA-----	-----NA-----	-----NA-----	-----NA-----
2005055004	2005055504	2005010321	2005010322	2005010323	2005010324	2005010251	-----NA-----	-----NA-----
2005052011	2005052511	2005010252	2005010323	-----NA-----	-----NA-----	-----NA-----	-----NA-----	-----NA-----
2005052012	2005052512	2005010122	2005010322	-----NA-----	-----NA-----	-----NA-----	-----NA-----	-----NA-----
2005053012	2005053512	2005010324	2005010322	2005010122	-----NA-----	-----NA-----	-----NA-----	-----NA-----
2005052013	2005052513	2005010251	2005010271	-----NA-----	-----NA-----	-----NA-----	-----NA-----	-----NA-----
2005052014	2005052514	2005010271	2005010273	-----NA-----	-----NA-----	-----NA-----	-----NA-----	-----NA-----
2005052015	2005052017	2005010271	2005010251	-----NA-----	-----NA-----	-----NA-----	-----NA-----	-----NA-----
2005052016	2005052516	2005010321	2005010323	-----NA-----	-----NA-----	-----NA-----	-----NA-----	-----NA-----
2005052018	2005052518	2005010321	2005010322	-----NA-----	-----NA-----	-----NA-----	-----NA-----	-----NA-----
2005052019	2005052519	2005010122	2005010254	-----NA-----	-----NA-----	-----NA-----	-----NA-----	-----NA-----
2005052020	2005052520	2005010123	2005010252	-----NA-----	-----NA-----	-----NA-----	-----NA-----	-----NA-----
2005053014	2005053514	2005010324	2005010323	2005010322	-----NA-----	-----NA-----	-----NA-----	-----NA-----
2005053015	2005053515	2005010324	2005010281	2005010271	-----NA-----	-----NA-----	-----NA-----	-----NA-----
2005055005	2005055505	2005010123	2005010252	2005010251	2005010322	2005010321	-----NA-----	-----NA-----
2005052021	2005052521	2005010121	2005010271	-----NA-----	-----NA-----	-----NA-----	-----NA-----	-----NA-----
2005052022	2005052522	2005010253	2005010254	-----NA-----	-----NA-----	-----NA-----	-----NA-----	-----NA-----
2005054003	2005054503	2005010283	2005010282	2005010253	2005010281	-----NA-----	-----NA-----	-----NA-----
2005053016	2005053516	2005010283	2005010253	2005010282	-----NA-----	-----NA-----	-----NA-----	-----NA-----
2005052023	2005052523	2005010232	2005010323	-----NA-----	-----NA-----	-----NA-----	-----NA-----	-----NA-----
2005052024	2005052524	2005010231	2005010321	-----NA-----	-----NA-----	-----NA-----	-----NA-----	-----NA-----
2005052025	2005052525	2005010122	2005010271	-----NA-----	-----NA-----	-----NA-----	-----NA-----	-----NA-----
2005055006	2005055506	2005010274	2005010273	2005010251	2005010272	2005010121	-----NA-----	-----NA-----
2005055007	2005055507	2005010121	2005010323	2005010251	2005010273	2005010274	-----NA-----	-----NA-----
2005053017	2005053517	2005010281	2005010121	2005010124	-----NA-----	-----NA-----	-----NA-----	-----NA-----
2005053018	2005053518	2005010121	2005010124	2005010323	-----NA-----	-----NA-----	-----NA-----	-----NA-----
2005052026	2005052526	2005010271	2005010122	-----NA-----	-----NA-----	-----NA-----	-----NA-----	-----NA-----
2005053019	2005053519	2005010281	2005010282	2005010283	-----NA-----	-----NA-----	-----NA-----	-----NA-----
2005052027	2005052527	2005010321	2005010281	-----NA-----	-----NA-----	-----NA-----	-----NA-----	-----NA-----
2005053020	2005053520	2005010122	2005010273	2005010324	-----NA-----	-----NA-----	-----NA-----	-----NA-----
2005053021	2005053521	2005010324	2005010273	2005010122	-----NA-----	-----NA-----	-----NA-----	-----NA-----
2005052028	2005052528	2005010324	2005010273	-----NA-----	-----NA-----	-----NA-----	-----NA-----	-----NA-----
2005052029	2005052529	2005010273	2005010324	-----NA-----	-----NA-----	-----NA-----	-----NA-----	-----NA-----
2005053022	2005053522	2005010271	2005010273	2005010122	-----NA-----	-----NA-----	-----NA-----	-----NA-----

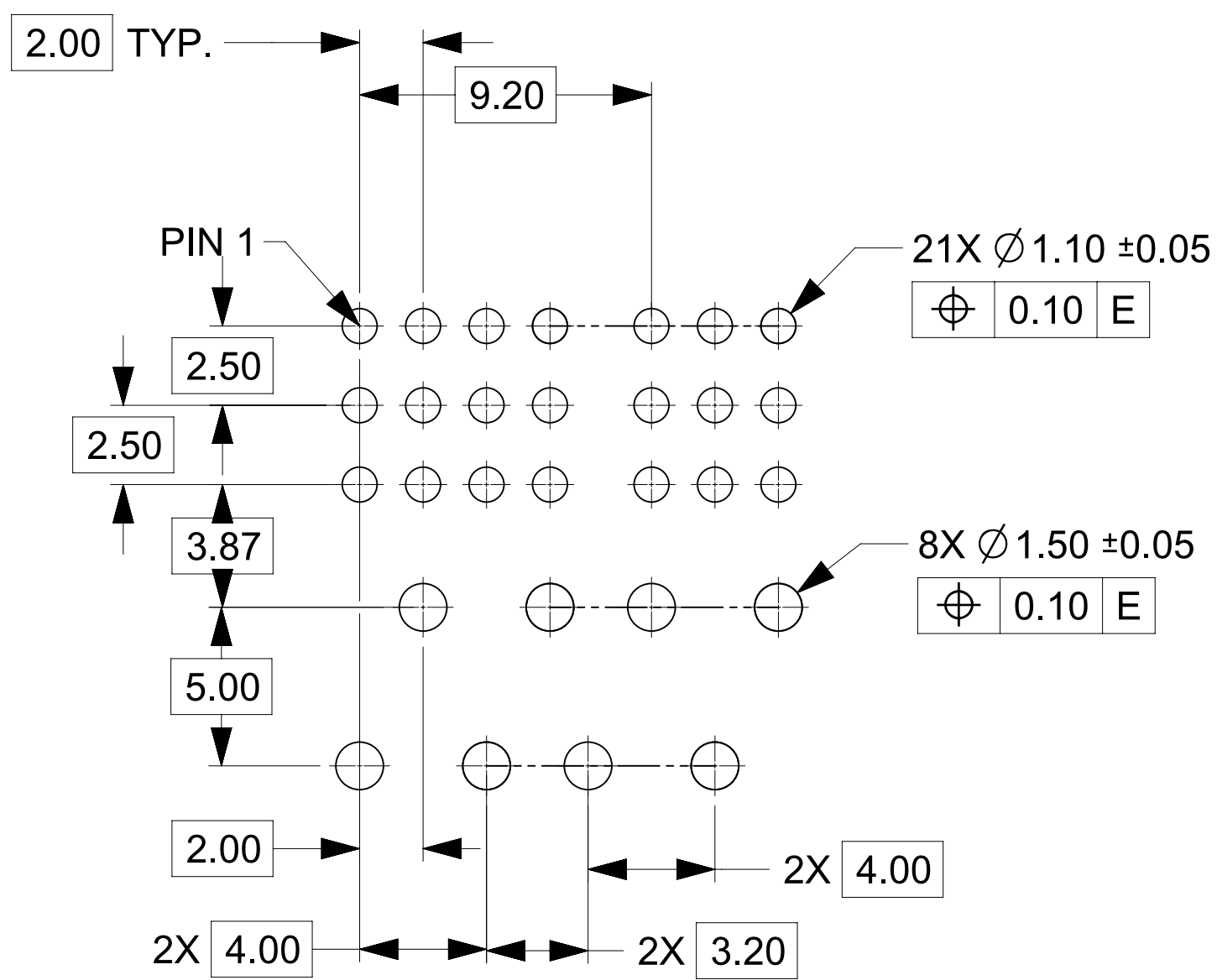
SINGLE BAY ASSEMBLY	DRAWING	INTERFACE DRAWING	TERMINAL QUANTITIES		
			0.5mm	1.2mm	2.8mm
2005010121 THROUGH 2005010124	2005011120SD	SD-160026-002		8	4
2005010251 THROUGH 2005010254	2005011250SD	SD-160027-002	21		4
2005010271 THROUGH 2005010274	2005011270SD	SD-160029-002	19	8	
2005010281 THROUGH 2005010284	2005011280SD	SD-160014-002	21	7	
2005010321 THROUGH 2005010324	2005011320SD	SD-160028-002	28	4	

E4	ADDED PNs 2005053022 & 2005053522
E3	ADDED PNs 2005052029 & 2005052529
E2	ADDED PNs 2005053020,2005053021,2005052028, 2005053520,2005053521,2005052528
E1	ADDED PNs 2005052027 & 2005052527
E	NOTES 1.2 AND 2.2 UPDATED
D10	ADDED PNs 2005053019 & 2005053519
D9	ADDED PNs 2005055006, 2005055506, 2005055007, 2005055507, 2005053017,2005053517, 2005053018, 2005053518,2005052026 & 2005052526
D8	ADDED PNs 2005052025 & 2005052525
D7	ADDED VALUE FOR DATUM B, UPDATED NOTE 3.8, ADDED 23W CONFIGURATION
D6	ADDED PNs 2005052024 & 2005052524
D5	ADDED PNs 2005052023 & 2005052523
D4	ADDED PN 2005053016
D3	ADDED PN 2005054003
D2	ADDED PNs 2005053005 & 2005053505
D1	TYPO ERROR WAS IN BOM TABLE
D	UPDATED THE PACKAGING DRAWING
C18	ADDED PN 2005052022
C17	CHANGE IN BOM OF PN 2005053015
C16	ADDED PN 2005052021
C15	ADDED PNs 2005053015 AND 2005055005
C14	ADDED PNs 2005053013 AND 2005052017 FOR TRAY PKG 2005052018, 2005052019, 2005052020 AND 2005053014 FOR TUBE PKG
C13	ADDED PN 2005052016
C12	ADDED PNs 2005052014 AND 2005052015
C11	ADDED PN 2005052013 11-NOV-2021, ECN: 684964
C10	NOTE 4.3 UPDATED
C9	CHANGE SINGLE BAY PN FROM 2005010322, 2005010322 TO 2005010122, 2005010322 FOR MULTI-BAY PN 2005052012
C8	ADDED PN 2005053012 21-APRIL-2021, ECN: 661591
C7	ADDED PN 2005052012 24-JULY-2020 MKP ECN:642177
C6	ADDED PCB HOLE DIMENSIONAL & POSITIONAL TOLERANCE 11-JUNE-2020 YPENG47 ECN:639277
C5	ADDED BALLOON #17 AND TOLERANCE ADDED PN 2005052011 ECN 638696
C4	ADDED PART NUMBER 2005055004 ECN 615503
C3	ADDED PART NUMBER 2005052009 ECN 610976
C2	ADDED PACKAGING COLUMN TO CHART
C1	ADDED NOTE 2.3. ADDED PART NUMBERS. ECN 602740.
C	INTERFACE GEOMETRY CHANGE TO LOCK TAB. SAP ECN 10906786.
REVISION	DESCRIPTION

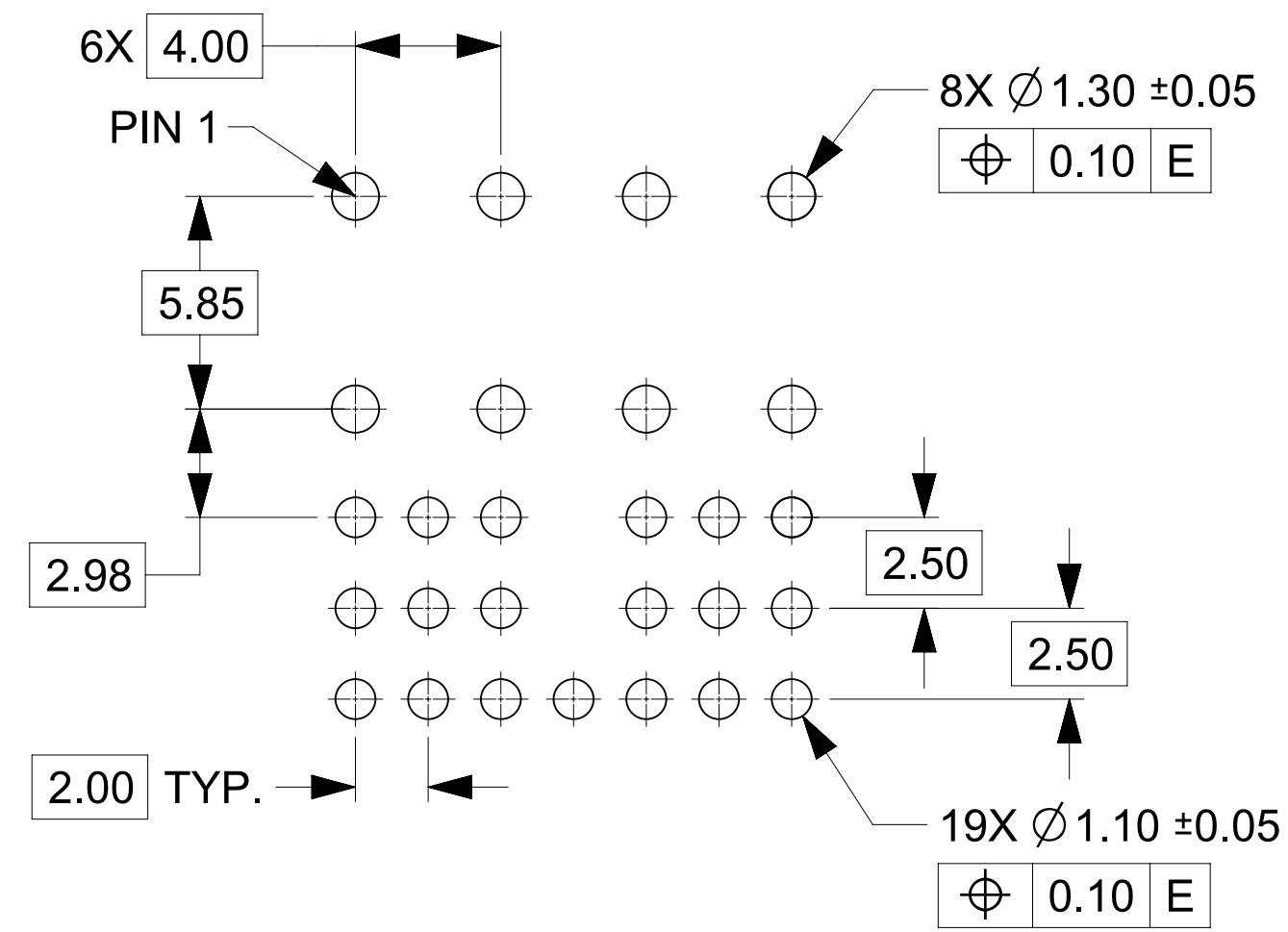
FUNCTIONAL SYMBOLS	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION											
	DIMENSION UNITS		SCALE		CURRENT REV DESC: SEE REVISION TABLE			molex				
	mm		1:1									
	GENERAL TOLERANCES (UNLESS SPECIFIED)							STAK50H MODULAR HEADER VERT MULTIPLE BAY				
ANGULAR TOL ± °												
DIVISIONAL SYMBOLS	4 PLACES		±		STATUS: Production DRWN: Manikya MD 2026-02-16 CHK'D: Kenneth Dai 2026-03-02 APPR: Ringo Hu 2026-03-04			PRODUCT CUSTOMER DRAWING				
	3 PLACES		±					DOCUMENT NUMBER		DOC TYPE	DOC PART	REVISION
	2 PLACES		± 0.130					2005050000		PSD	000	E4
	1 PLACE		± 0.25									
	0 PLACES		±									
	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				THIRD ANGLE PROJECTION		DRAWING	SERIES	MATERIAL NUMBER	CUSTOMER	SHEET NUMBER	
						D-SIZE	200505	SEE TABLE	GENERAL MARKET	2 OF 4		



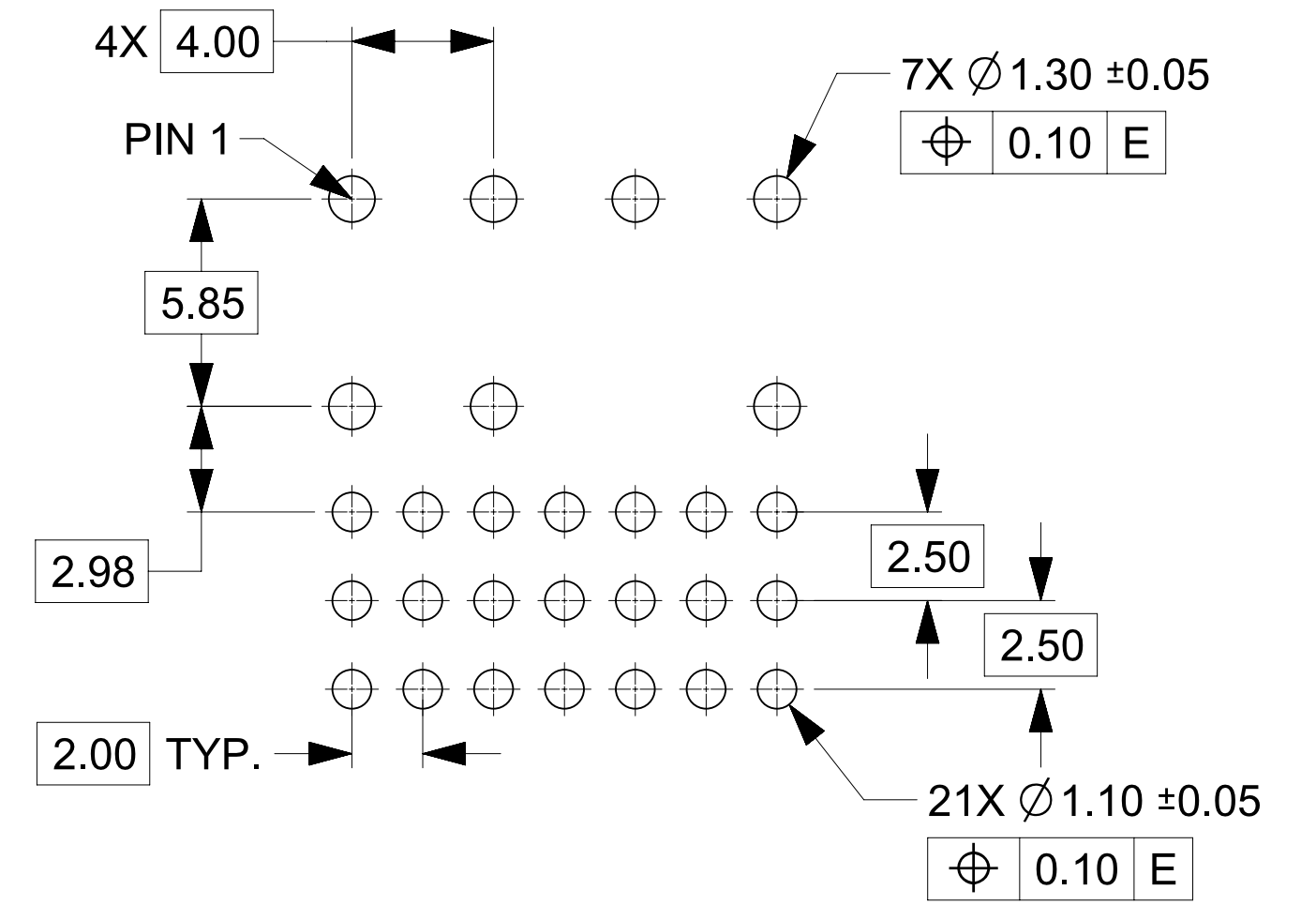
12 WAY
2005010121
2005010122
2005010123
2005010124



25 WAY
2005010251
2005010252
2005010253
2005010254

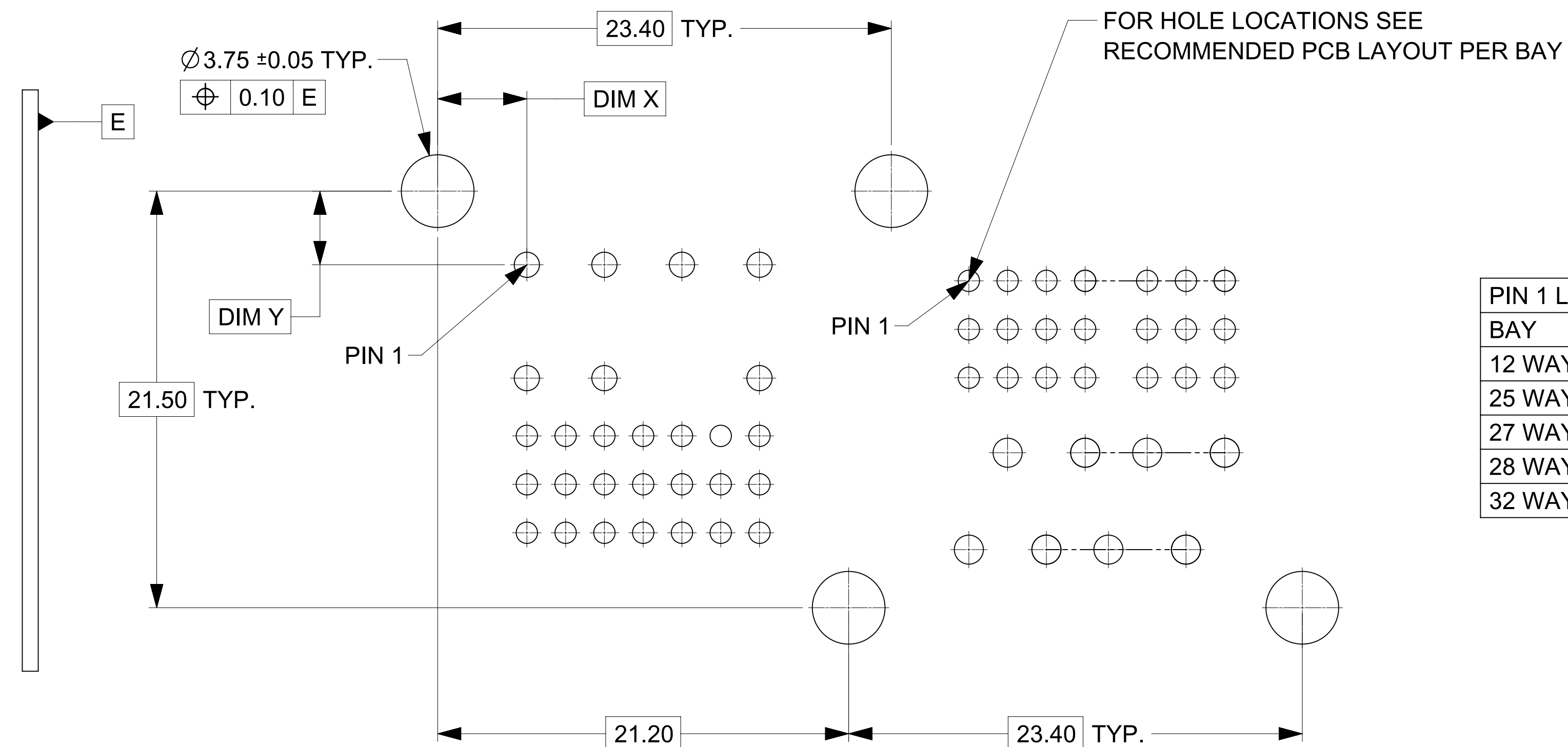


27 WAY
2005010271
2005010272
2005010273
2005010274

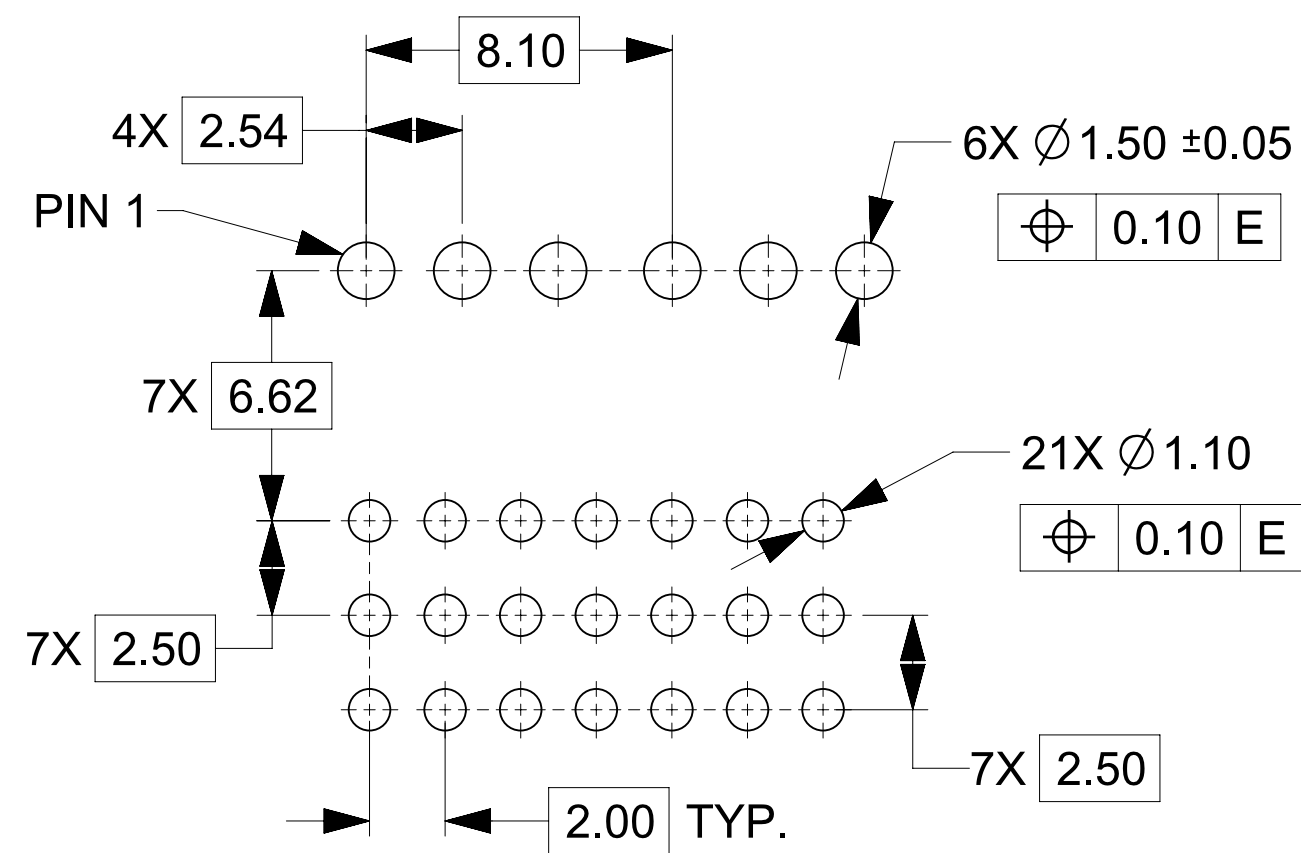


28 WAY
2005010281
2005010282
2005010283
2005010284

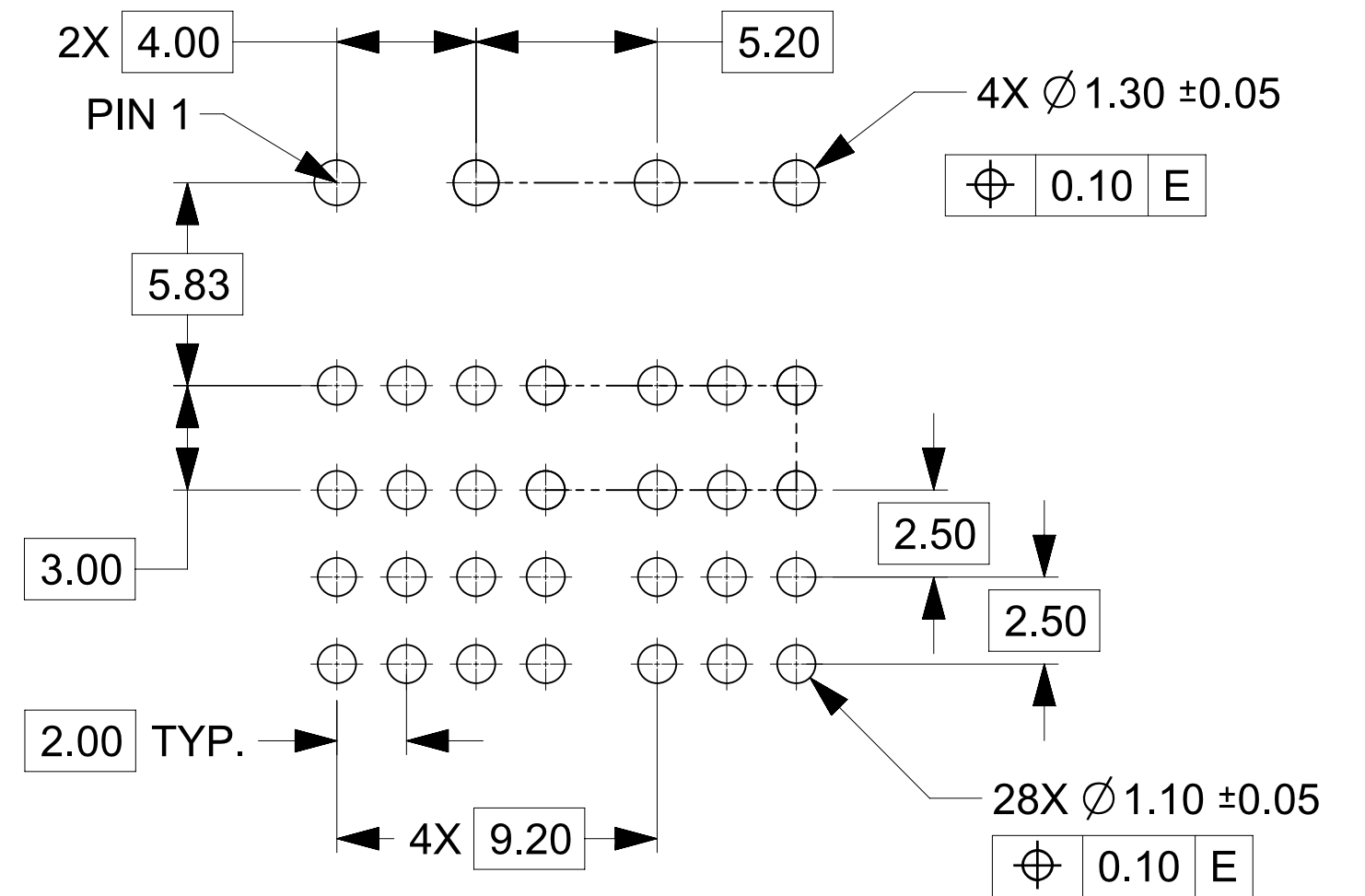
RECOMMENDED PCB LAYOUT FOR MULTIPLE BAY HEADER
FOR REFERENCE ONLY
INSERT NECESSARY BAYS
USING CHART ON SHEET 1



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

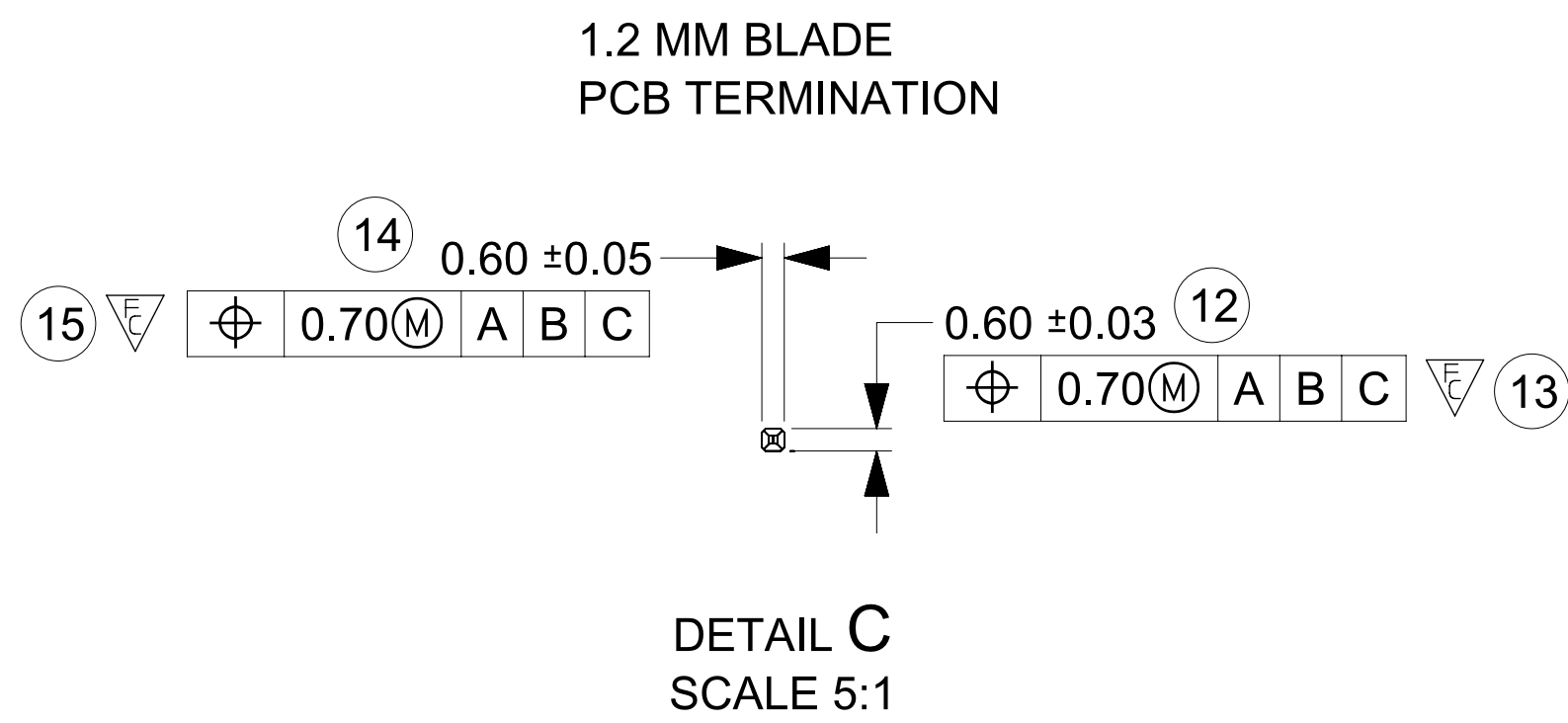


23 WAY
2005010231
2005010232
2005010233
2005010234



32 WAY
2005010321
2005010322
2005010323
2005010324

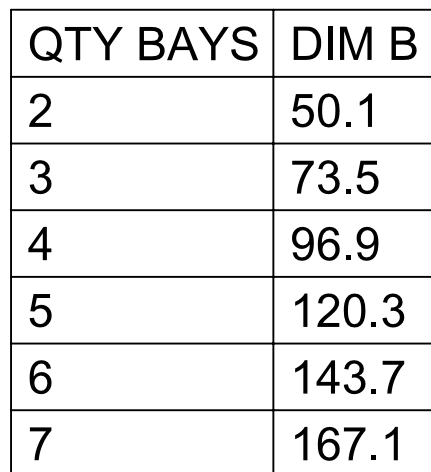
FUNCTIONAL SYMBOLS	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION															
	DIMENSION UNITS		SCALE		CURRENT REV DESC: SEE REVISION TABLE				molex							
	mm		5:1													
	GENERAL TOLERANCES (UNLESS SPECIFIED)															
	ANGULAR TOL ± °															
	4 PLACES		±						STAK50H MODULAR HEADER VERT MULTIPLE BAY							
	3 PLACES		±													
	2 PLACES		± 0.130													
	1 PLACE		± 0.25													
	0 PLACES		±													
DIVISIONAL SYMBOLS	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				THIRD ANGLE PROJECTION		DRAWING		SERIES		MATERIAL NUMBER		CUSTOMER		SHEET NUMBER	
							D-SIZE		200505		SEE TABLE		GENERAL MARKET		3 OF 4	
											2005050000		PSD		000 E4	



(4.90)

SPACE FOR
MODULE
COVER

Technical drawing showing a side view of a module cover assembly. The drawing includes a dimension line indicating a width of (4.90) and a label "SPACE FOR MODULE COVER". The assembly consists of a main body with a cover and several internal components, including a central cylindrical part and various smaller components at the bottom.



FUNCTIONAL SYMBOLS  = 0  = 6  = 0	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		 STAK50H MODULAR HEADER VERT MULTIPLE BAY			
	DIMENSION UNITS	SCALE	STATUS: Production DRWN: Manikya MD 2026-02-16 CHK'D: Kenneth Dai 2026-03-02 APPR: Ringo Hu 2026-03-04					
	mm	5:1						
	GENERAL TOLERANCES (UNLESS SPECIFIED)							
ANGULAR TOL ± °		THIRD ANGLE PROJECTION		DRAWING	SERIES	MATERIAL NUMBER	CUSTOMER	SHEET NUMBER
4 PLACES	±			D-SIZE	200505	SEE TABLE	GENERAL MARKET	4 OF 4
3 PLACES	±							
2 PLACES	± 0.130							
1 PLACE	± 0.25							
0 PLACES	±	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS						