

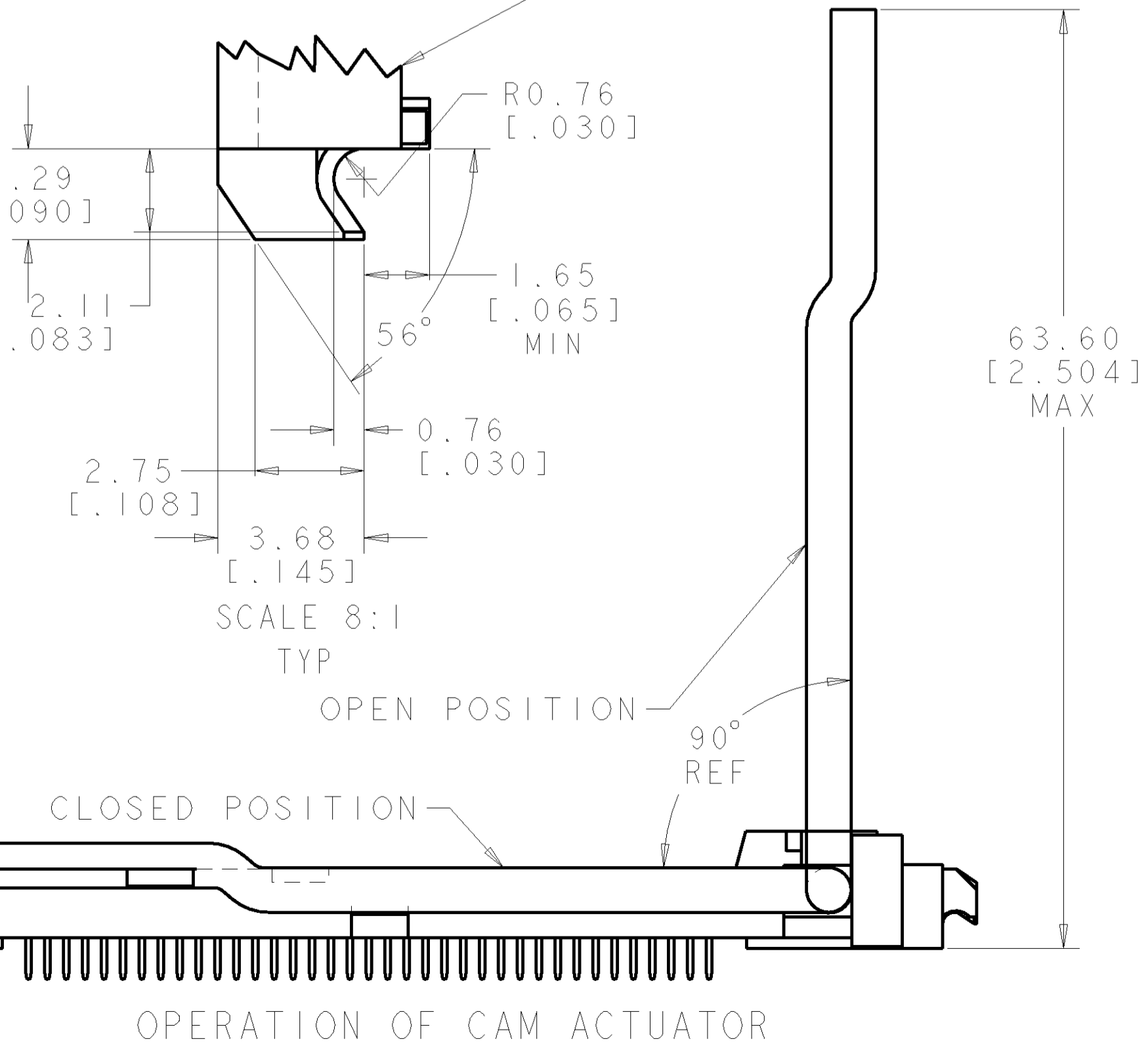
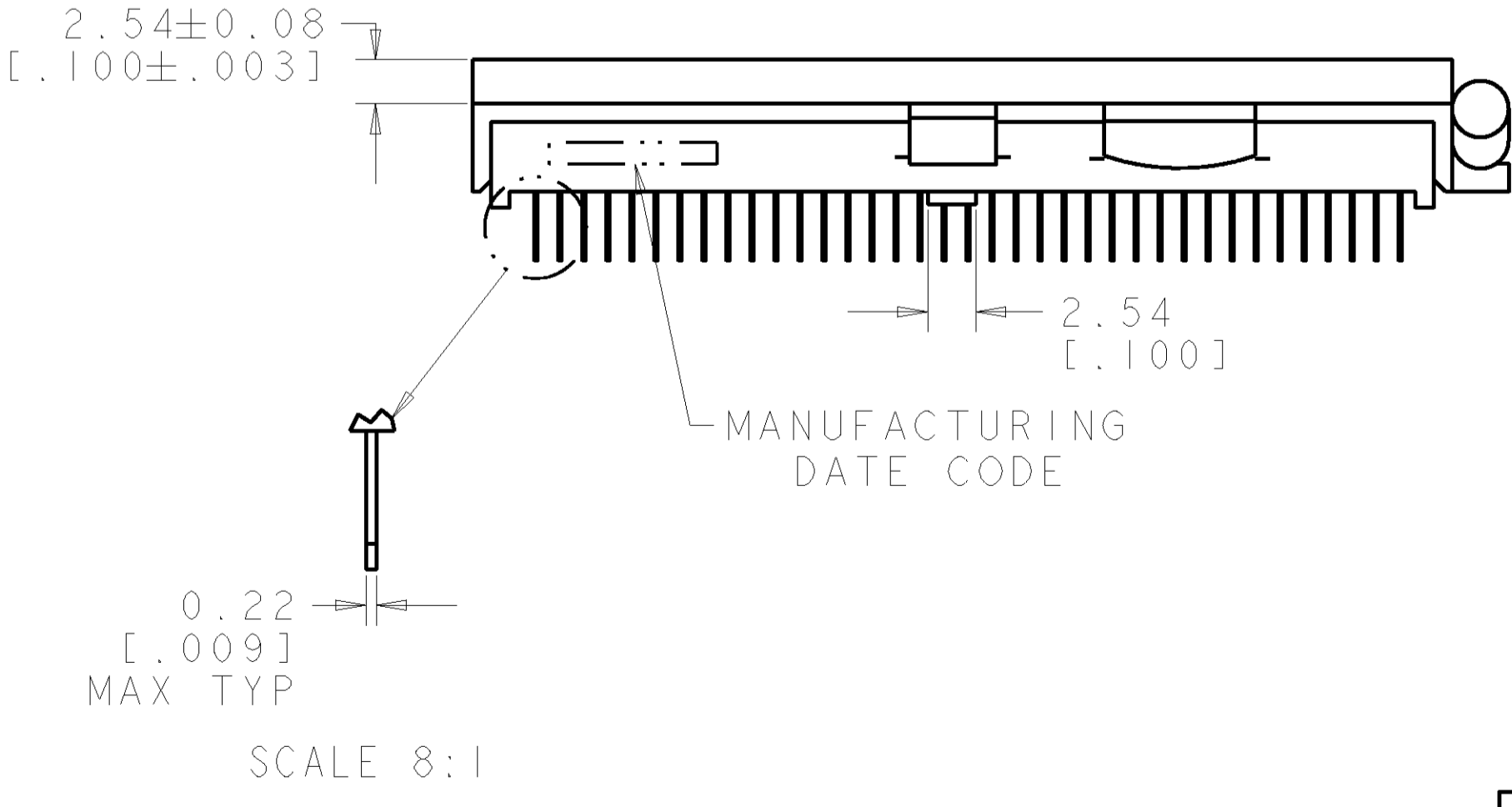
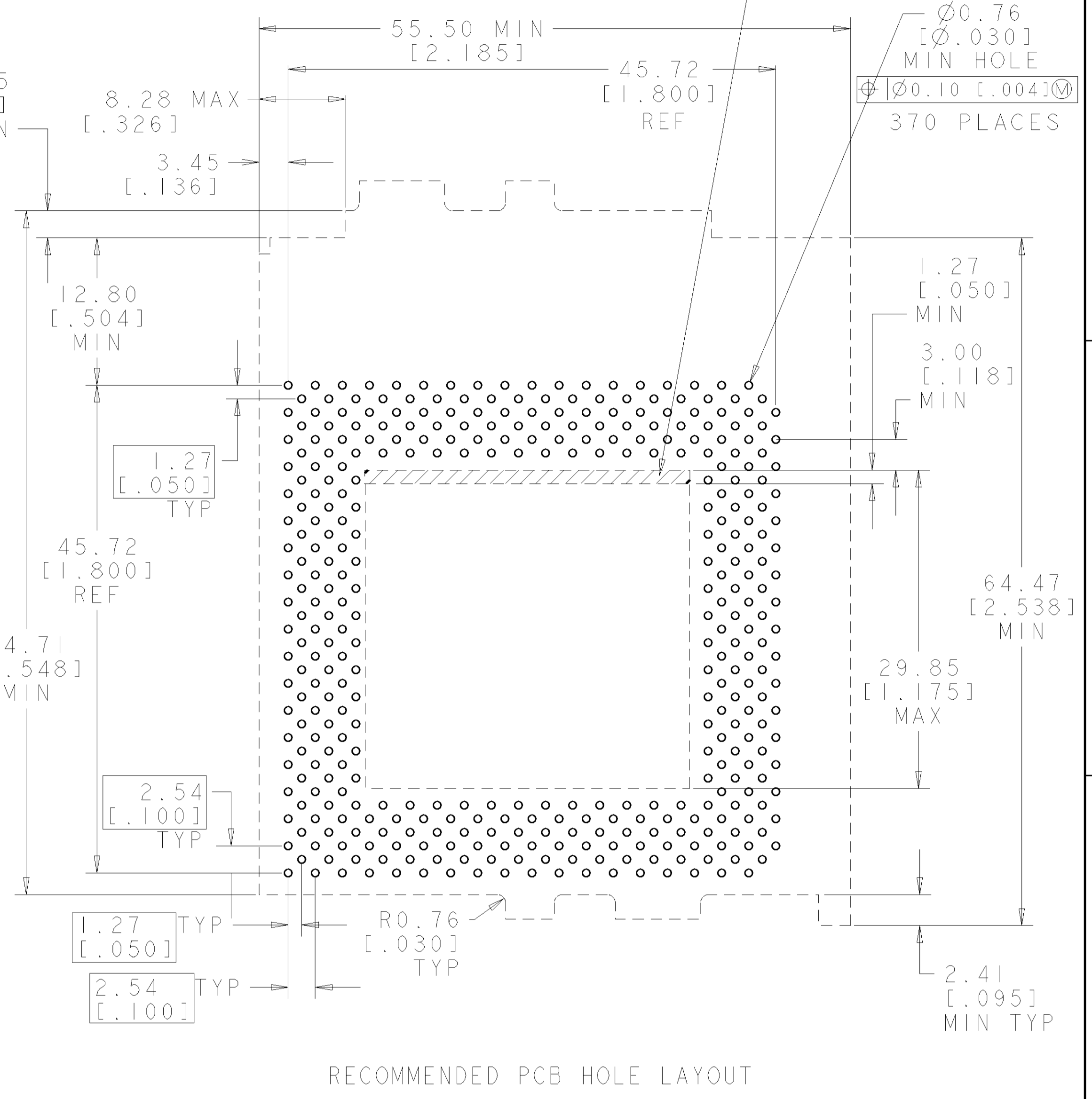
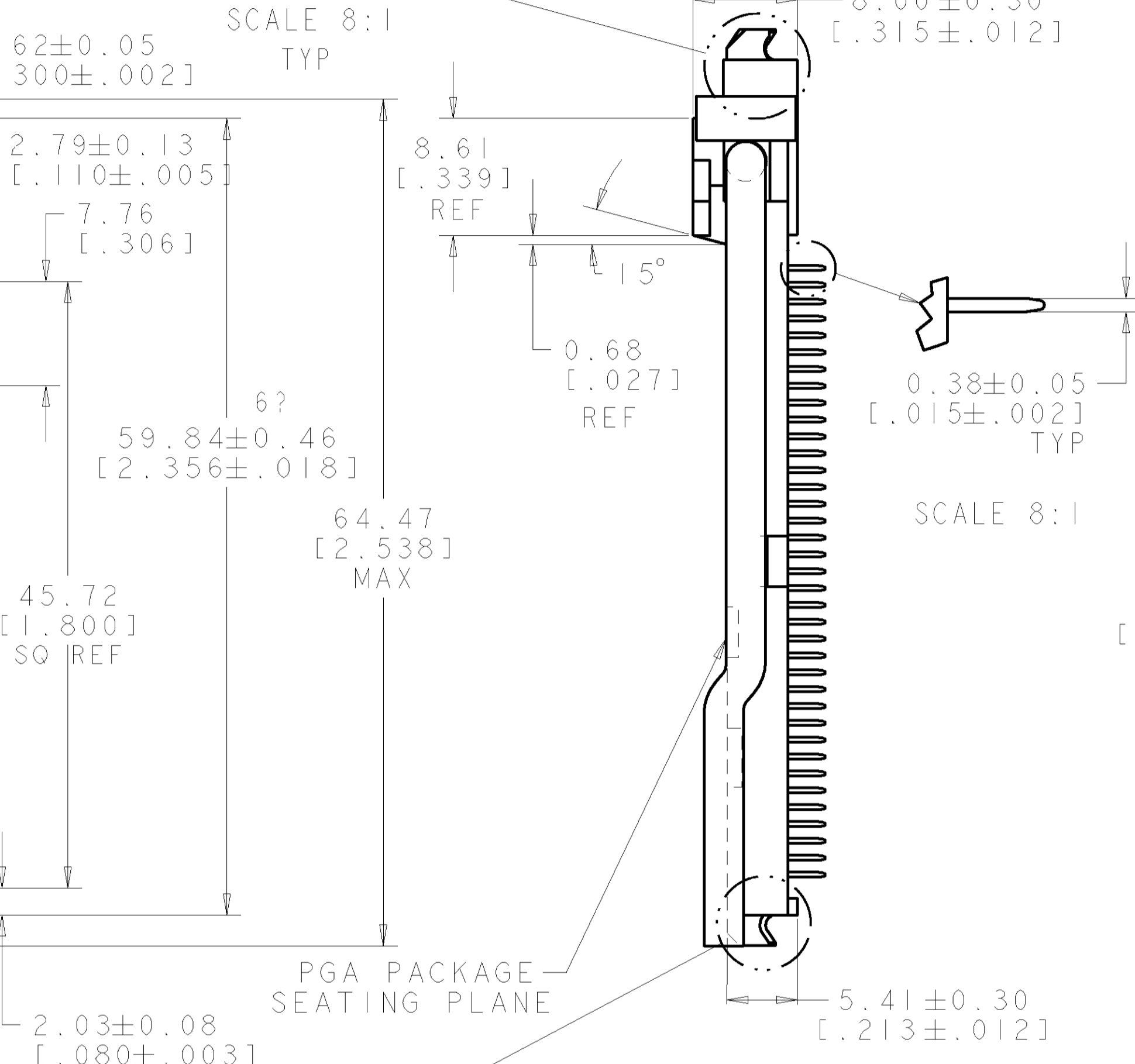
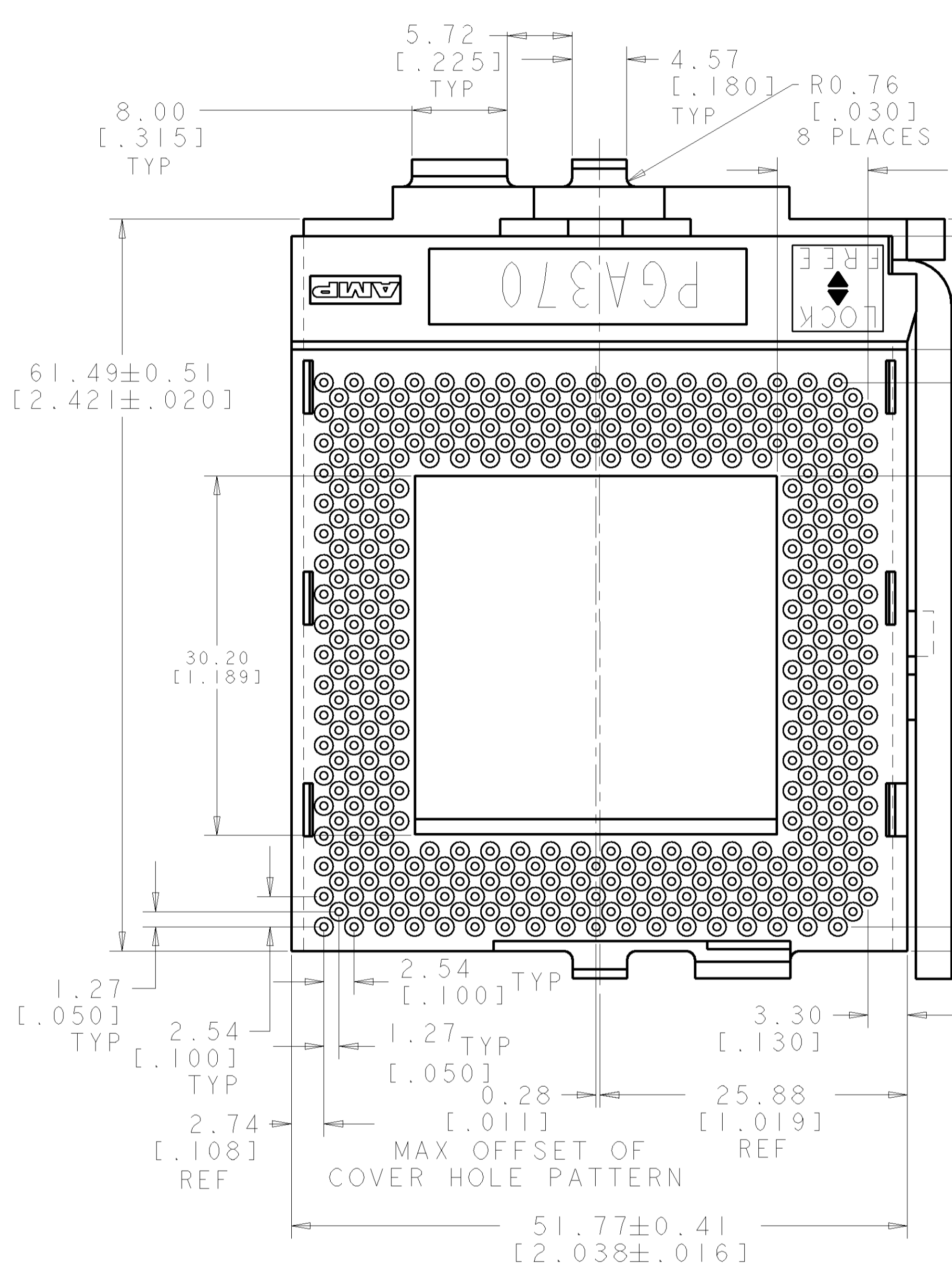
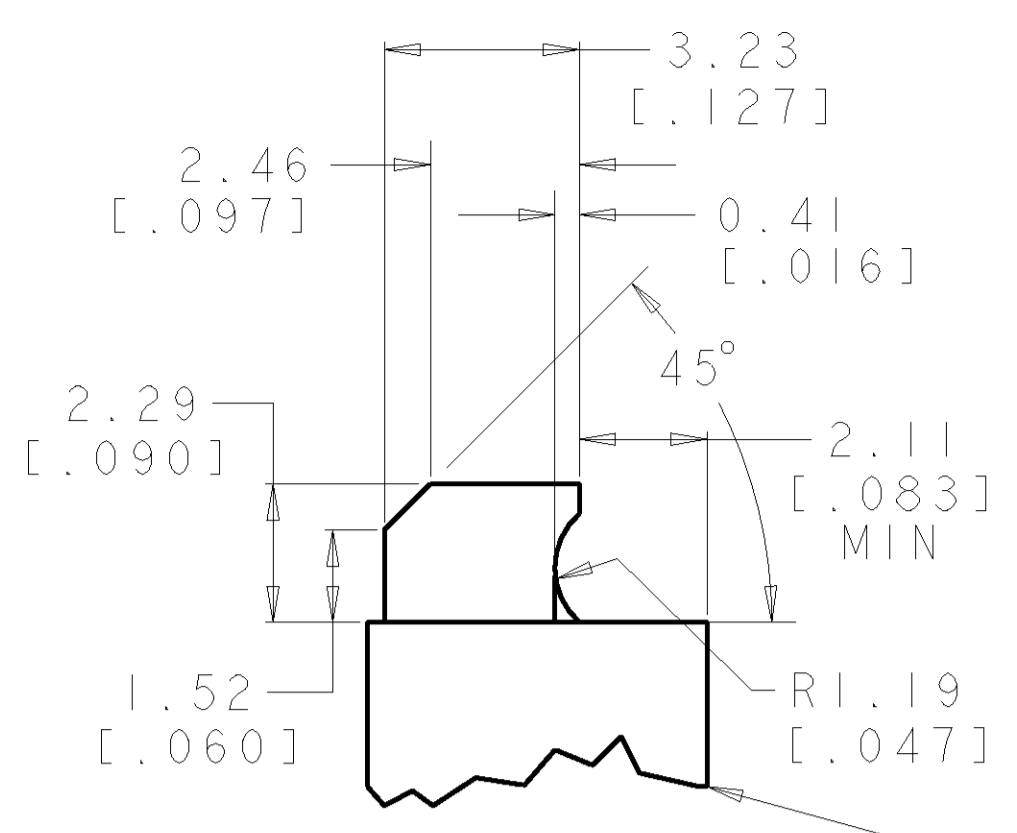
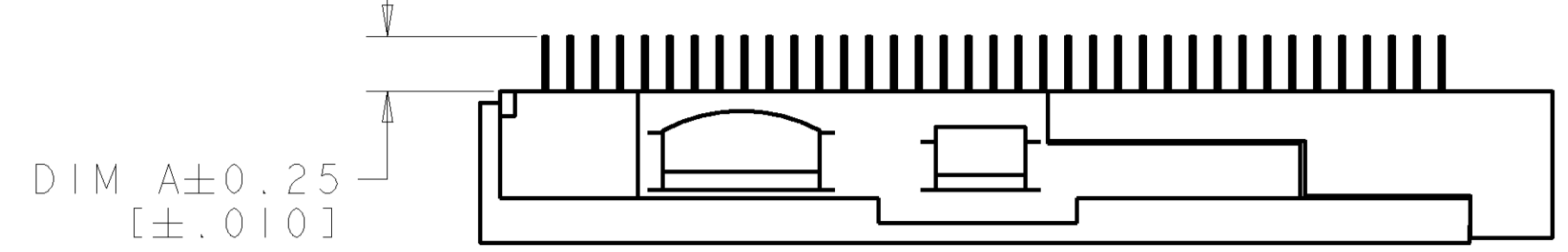
- 1 MATERIAL: HOUSING AND COVER ARE HIGH TEMPERATURE THERMOPLASTIC, LIQUID CRYSTAL POLYMER (LCP), COLOR: NATURAL, FOR 1-916783-5, 1-916783-8 AND 3-916783-5, COVER IS BLACK. LP SLZ LEVER MATERIAL IS STAINLESS STEEL. CONTACT MATERIAL IS COPPER ALLOY.
 - 2 FINISH: CONTACT AREA-GOLD THICKNESS PER TABLE OVER 0.00381[.000150] MIN. THICK NICKEL PLATE. SOLDER TAIL- 0.00381-0.00635 [.000150-.000250] MIN. THICK TIN-LEAD OVER 0.00127[.000050] MIN. THICK NICKEL PLATE. CONTACT AREA SHALL BE FREE OF LUBRICANT.
 - 3 PRODUCT LINE: LOW PROFILE SINGLE LEVER ZIF (LP SLZ). PRODUCT SPEC 108-1572, APPLICATION SPEC 114-1100.
 - 4 PRODUCT LINE: LOW PROFILE SCREWDRIVER ACTUATED ZIF (LP SAZ). PRODUCT SPEC 108-1572-1, APPLICATION SPEC 114-1105, INSTRUCTION SHEET 408-3355.
 - 5 PRODUCT CONFORMS TO NOTE 4 EXCEPT DURABILITY PER PRODUCT SPECIFICATION IS 20 CYCLES AND SMALL INDENTATIONS IN SCREWDRIVER SLOTS PERMISSIBLE AFTER ACTUATION.
- 6 DATE CODE MAY VARY IN LOCATION AND FORMAT DEPENDING ON MANUFACTURING LOCATION.

DRAWING	TRAY PACKAGED NUMBER OF SOCKETS PER SHIPPING BOX	POSITIONS	SOLDERTAIL LENGTH DIM A±0.25 [±.010]	MIN GOLD THICKNESS 2?	FC-PGA/PPGA	HANDLE STYLE	PRODUCT LINE	PART NUMBER
SEE SHEET 6	160	370	2.03 [.080]	0.00076 [.000030]	FLIP CHIP PGA (FC-PGA) OR PPGA	-	LP SAZ 4 5	6-916783-1
SEE SHEET 5	160	370	2.79 [.110]	0.00038 [.000015]	PLASTIC PGA (PPGA)	-	LP SAZ 4	5-916783-6
SEE SHEET 5	160	370	2.36 [.093]	0.00038 [.000015]	PLASTIC PGA (PPGA)	-	LP SAZ 4	5-916783-5
SEE SHEET 5	160	370	2.36 [.093]	0.00076 [.000030]	PLASTIC PGA (PPGA)	-	LP SAZ 4	5-916783-2
SEE SHEET 4	160	370	3.56 [.140]	0.00038 [.000015]	PLASTIC PGA (PPGA)	-	LP SAZ 4	4-916783-7
SEE SHEET 4	160	370	2.79 [.110]	0.00038 [.000015]	PLASTIC PGA (PPGA)	-	LP SAZ 4	4-916783-6
SEE SHEET 4	160	370	2.36 [.093]	0.00038 [.000015]	PLASTIC PGA (PPGA)	-	LP SAZ 4	4-916783-5
SEE SHEET 4	160	370	2.36 [.093]	0.00076 [.000030]	PLASTIC PGA (PPGA)	-	LP SAZ 4	4-916783-2
SEE SHEET 3	90	371	2.36 [.093]	0.00038 [.000015]	PLASTIC PGA (PPGA)	LOW PROFILE	LP SLZ 3	3-916783-5
SEE SHEET 3	90	370	2.36 [.093]	FLASH	FLIP CHIP PGA (FC-PGA) OR PPGA	LOW PROFILE	LP SLZ 3	1-916783-8
SEE SHEET 3	60	370	2.36 [.093]	0.00038 [.000015]	FLIP CHIP PGA (FC-PGA) OR PPGA	JOG	LP SLZ 3	1-916783-5
SEE SHEET 2	90	370	2.79 [.110]	FLASH	FLIP CHIP PGA (FC-PGA) OR PPGA	LOW PROFILE	LP SLZ 3	2-916783-9
SEE SHEET 2	90	370	2.36 [.093]	FLASH	FLIP CHIP PGA (FC-PGA) OR PPGA	LOW PROFILE	LP SLZ 3	2-916783-8
SEE SHEET 2	90	370	2.03 [.080]	FLASH	FLIP CHIP PGA (FC-PGA) OR PPGA	LOW PROFILE	LP SLZ 3	2-916783-7
SEE SHEET 2	90	370	2.79 [.110]	0.00038 [.000015]	FLIP CHIP PGA (FC-PGA) OR PPGA	LOW PROFILE	LP SLZ 3	2-916783-6
SEE SHEET 2	90	370	2.36 [.093]	0.00038 [.000015]	FLIP CHIP PGA (FC-PGA) OR PPGA	LOW PROFILE	LP SLZ 3	2-916783-5
SEE SHEET 2	90	370	2.03 [.080]	0.00038 [.000015]	FLIP CHIP PGA (FC-PGA) OR PPGA	LOW PROFILE	LP SLZ 3	2-916783-4
SEE SHEET 2	90	370	2.79 [.110]	0.00076 [.000030]	FLIP CHIP PGA (FC-PGA) OR PPGA	LOW PROFILE	LP SLZ 3	2-916783-3
SEE SHEET 2	90	370	2.36 [.093]	0.00076 [.000030]	FLIP CHIP PGA (FC-PGA) OR PPGA	LOW PROFILE	LP SLZ 3	2-916783-2
SEE SHEET 2	90	370	2.03 [.080]	0.00076 [.000030]	FLIP CHIP PGA (FC-PGA) OR PPGA	LOW PROFILE	LP SLZ 3	2-916783-1
SEE SHEET 2	90	370	3.56 [.140]	0.00076 [.000030]	FLIP CHIP PGA (FC-PGA) OR PPGA	LOW PROFILE	LP SLZ 3	2-916783-0
OBSOLETE	-	90	2.79 [.110]	FLASH	PLASTIC PGA (PPGA)	SHORT	LP SLZ 3	916783-9
OBSOLETE	-	90	2.36 [.093]	FLASH	PLASTIC PGA (PPGA)	SHORT	LP SLZ 3	916783-8
OBSOLETE	-	90	2.03 [.080]	FLASH	PLASTIC PGA (PPGA)	SHORT	LP SLZ 3	916783-7
OBSOLETE	-	90	2.79 [.110]	0.00038 [.000015]	PLASTIC PGA (PPGA)	SHORT	LP SLZ 3	916783-6
OBSOLETE	-	90	2.36 [.093]	0.00038 [.000015]	PLASTIC PGA (PPGA)	SHORT	LP SLZ 3	916783-5
OBSOLETE	-	90	2.03 [.080]	0.00038 [.000015]	PLASTIC PGA (PPGA)	SHORT	LP SLZ 3	916783-4
OBSOLETE	-	90	2.79 [.110]	0.00076 [.000030]	PLASTIC PGA (PPGA)	SHORT	LP SLZ 3	916783-3
OBSOLETE	-	90	2.36 [.093]	0.00076 [.000030]	PLASTIC PGA (PPGA)	SHORT	LP SLZ 3	916783-2
OBSOLETE	-	90	2.03 [.080]	0.00076 [.000030]	PLASTIC PGA (PPGA)	SHORT	LP SLZ 3	916783-1

RESTRICTED TO INTEL

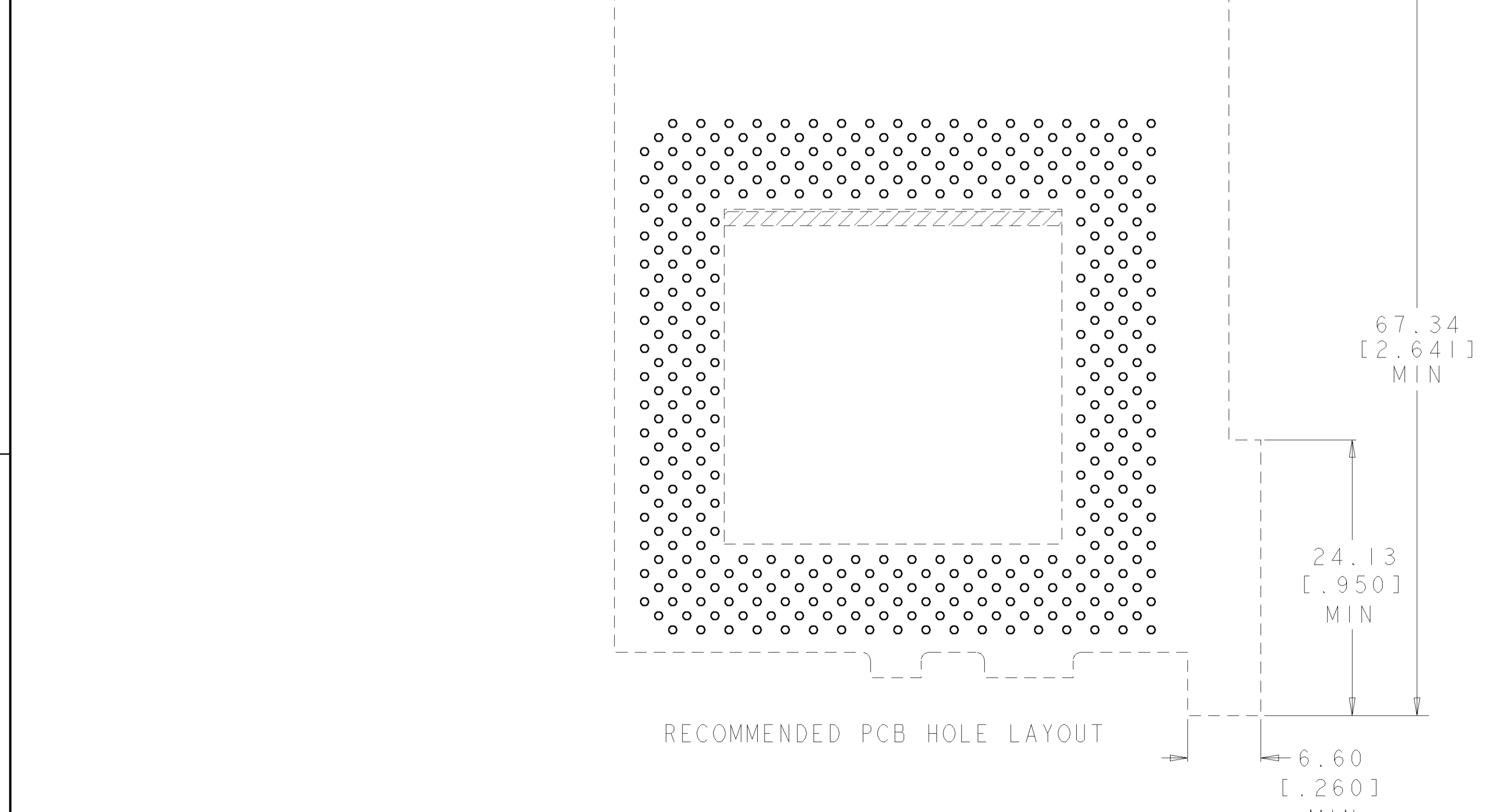
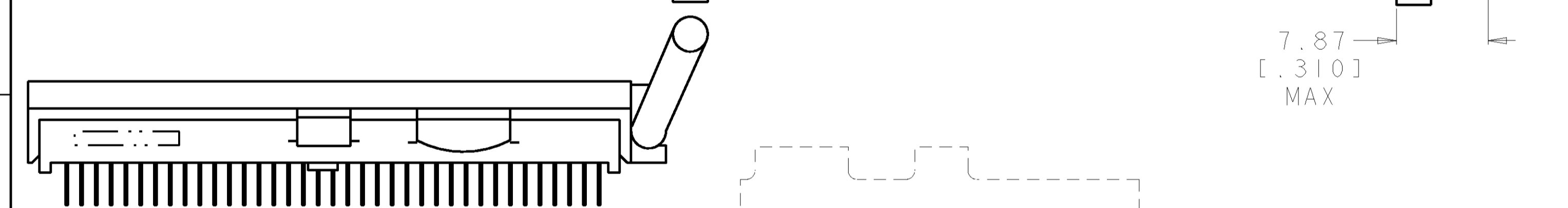
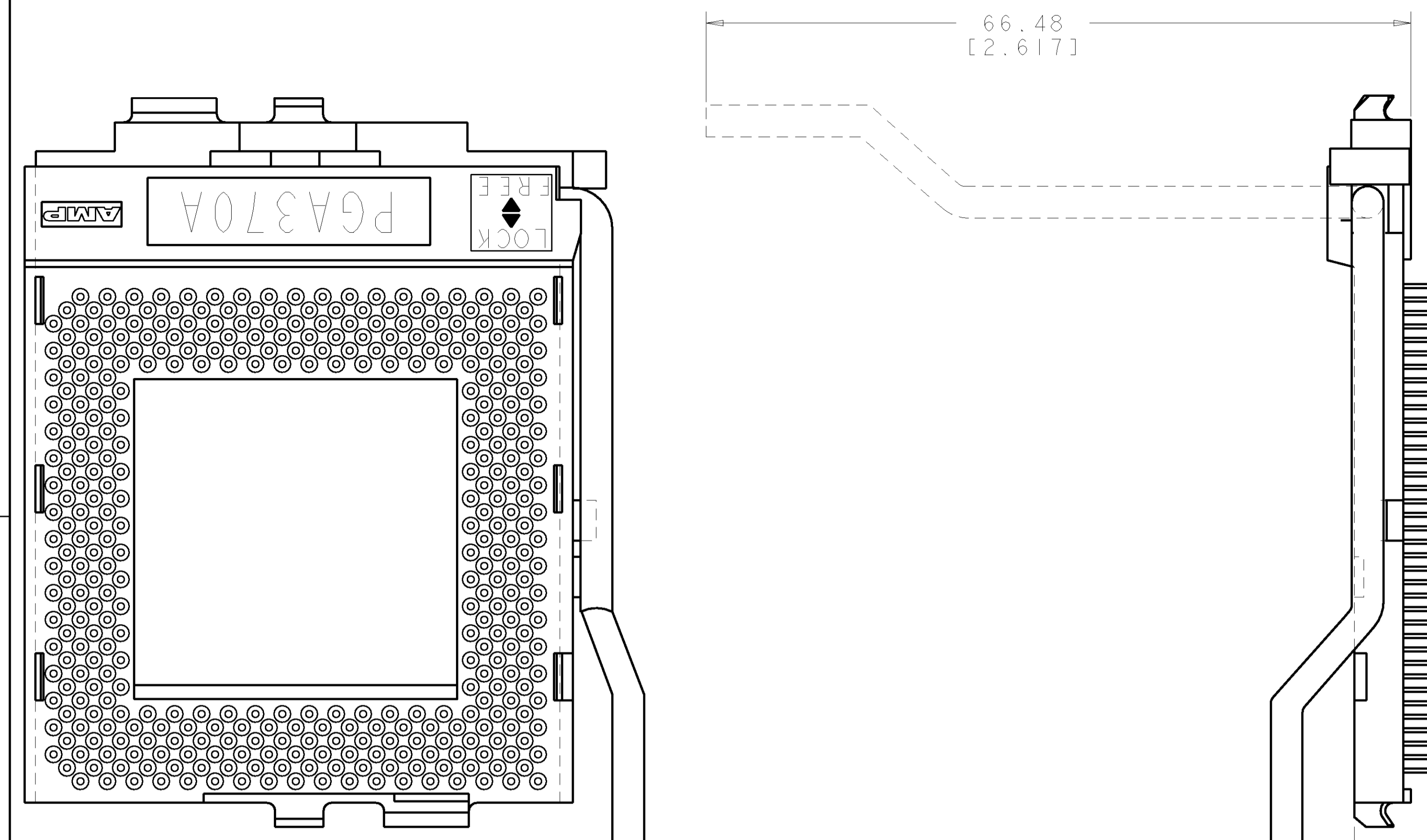
THIS DRAWING IS A CONTROLLED DOCUMENT.		DATE: 11SEP98	AMP MANUFACTURING (SINGAPORE) PTE. LTD.
DIMENSIONS: mm [INCHES]	TOLERANCES UNLESS OTHERWISE SPECIFIED:	NAME: B. KUHNLY	PRODUCT SPEC: SOCKET ASSEMBLY, LOW PROFILE, ZIF PGA, 19 X 19 GRID
0 PLC ±	1 PLC ±0.30 [0.012]	APPROVED: SE LEONG	APPLICATION SPEC: SEE TABLE
2 PLC ±	3 PLC ±	DATE: 11SEP98	SIZE: A1
4 PLC ±	5 PLC ±	SCALE: 3:1	SHEET: 1 OF 6
MATERIAL: 1	FINISH: 2	WEIGHT: 00779	DRAWING NO: 916783
CUSTOMER DRAWING		REV: PI	

LOC	DATE	DESCRIPTION	DATE	BY	APP'D
DY		SEE SHEET 1			



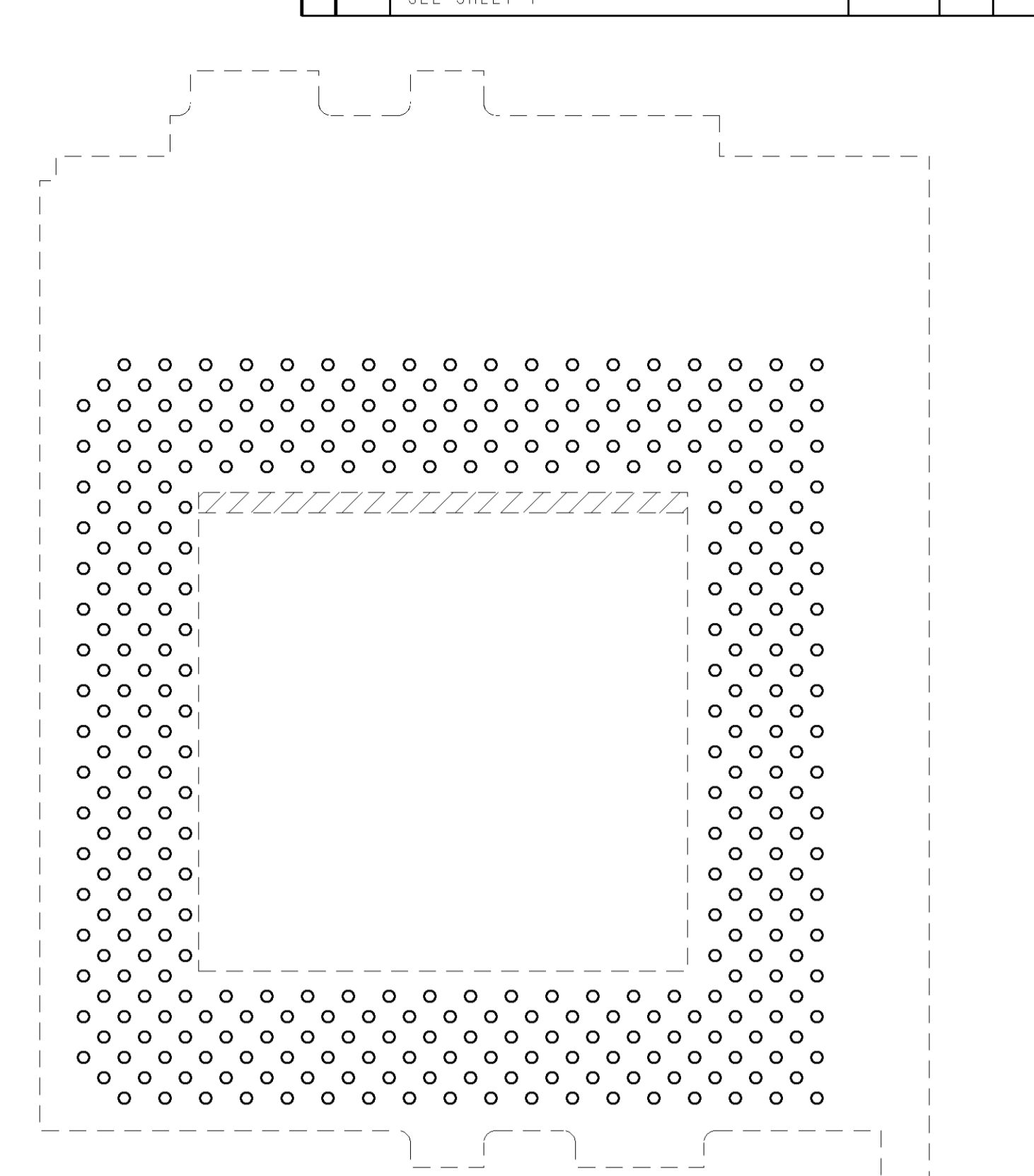
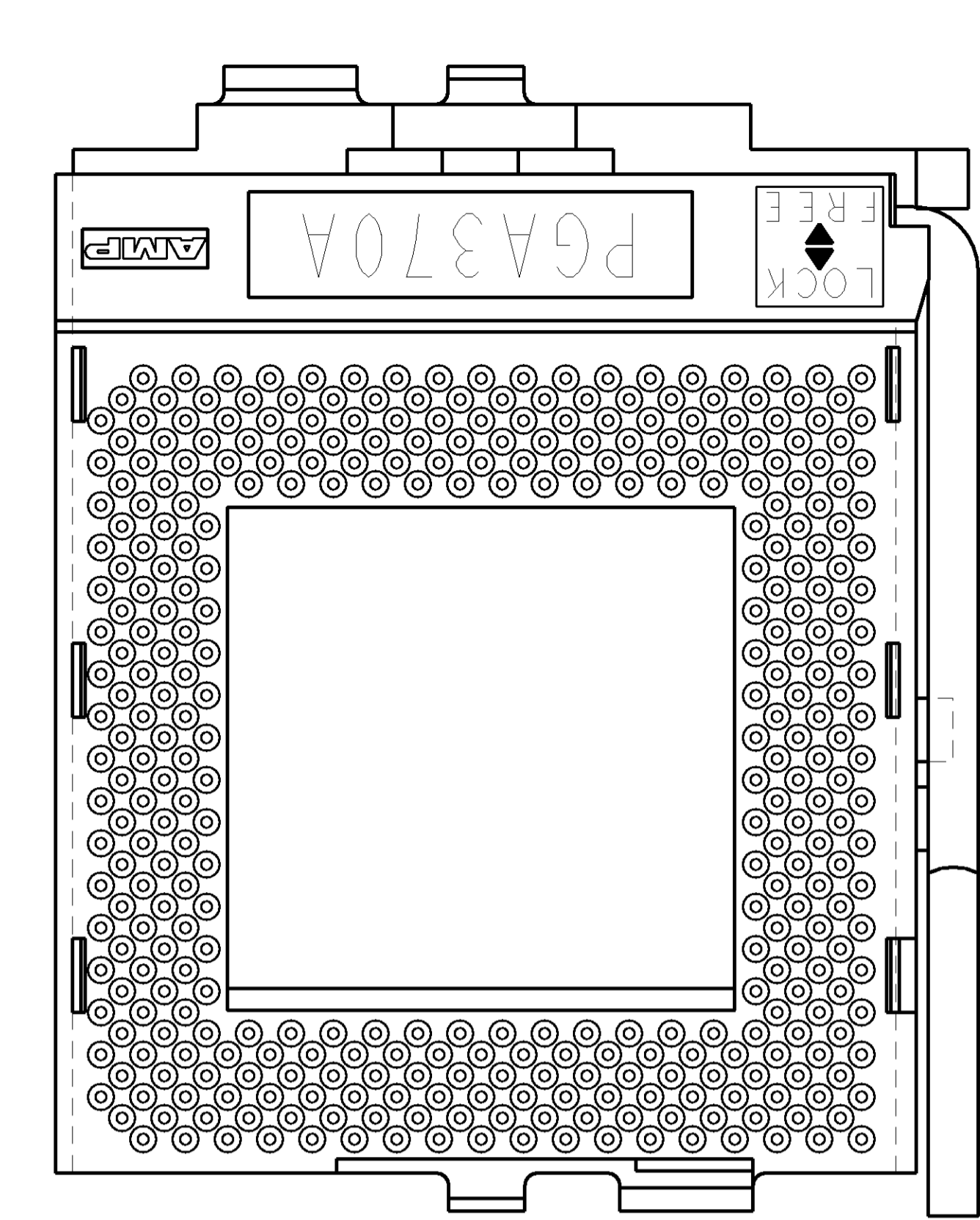
PART NUMBERS 2-916783-1 THRU 2-916783-9

THIS DRAWING IS A CONTROLLED DOCUMENT.		OWN: B. HOLT 13 JAN 89	AMP MANUFACTURING (SINGAPORE) PTE. LTD.	
DIMENSIONS: mm (INCHES)		ENG: B. KUHNLY 13 JAN 89	NAME: SOCKET ASSEMBLY, LOW PROFILE, ZIF PGA, 19 X 19 GRID	
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APPROV: SE LEONG	PRODUCT SPEC: SEE TABLE	
Ø PLC ±		APPLICATION SPEC: SEE TABLE	SIZE: CODE: DRAWING NO: AI 00779	
Ø PLC ±0.30 [.012]		RESTRICTED TO: -		
Ø PLC ±		MATERIAL: FINISH: CUSTOMER DRAWING		
Ø PLC ±		SCALE: 3:1 SHEET: 2 OF 6 REV: PI		

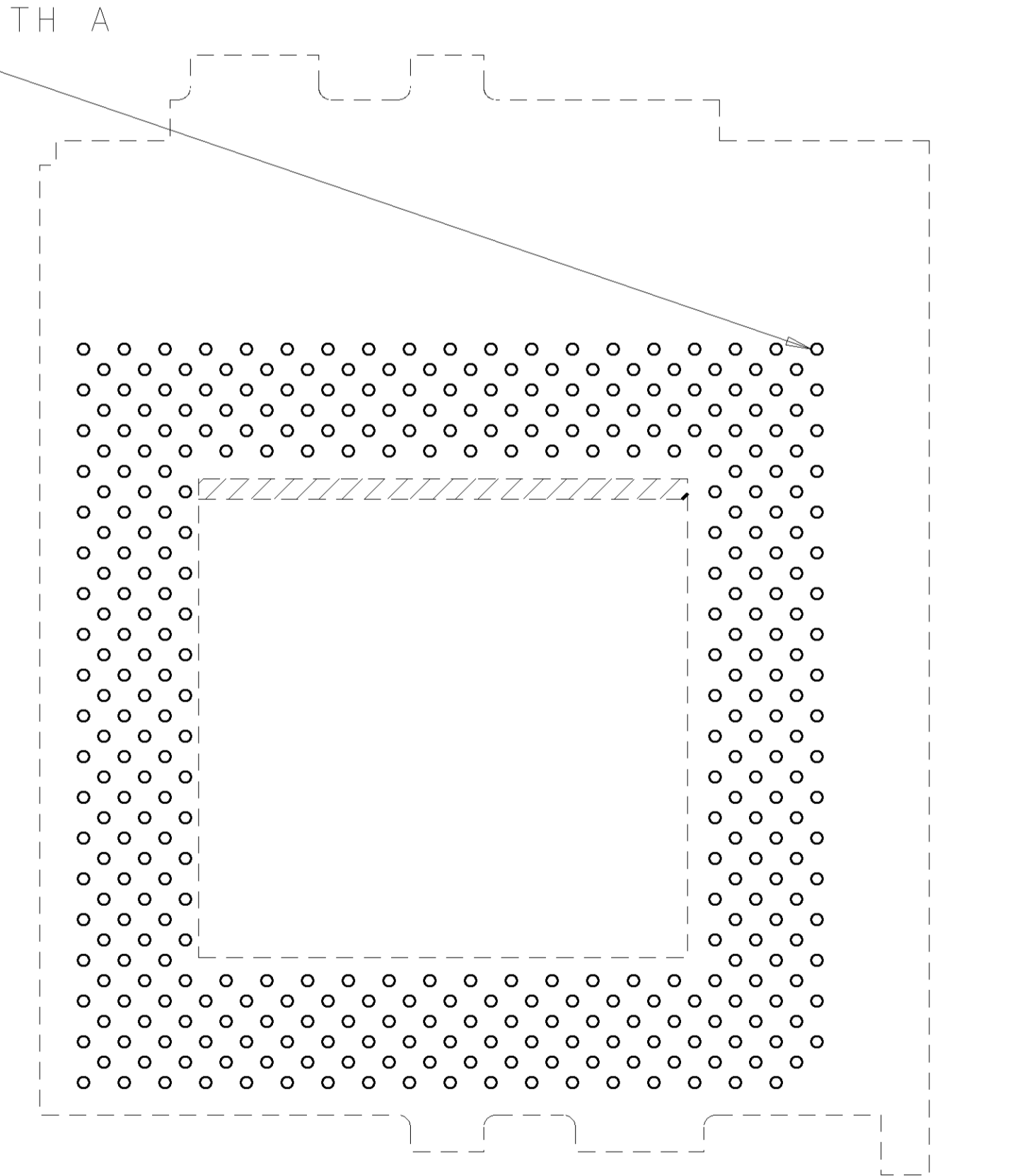
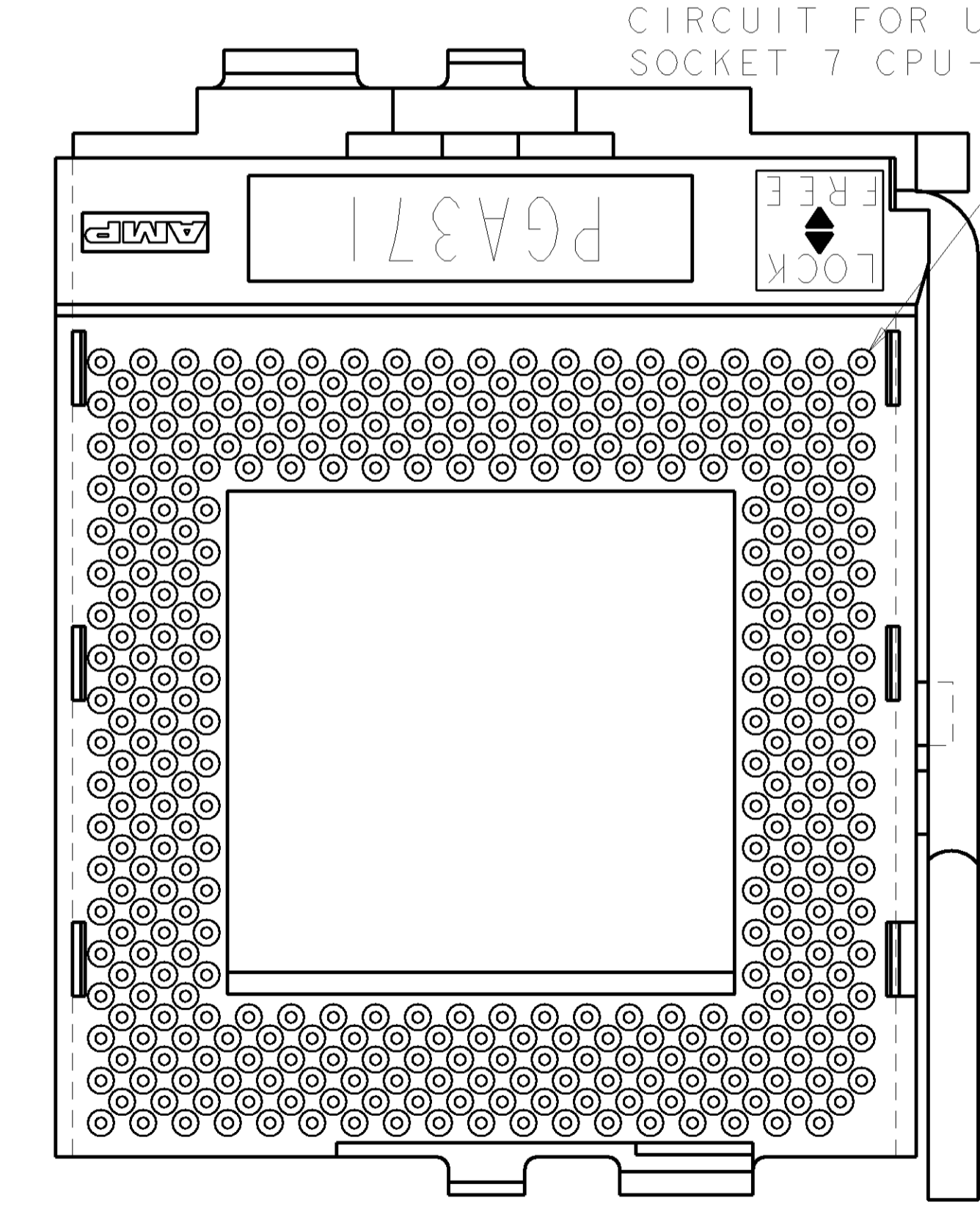


PART NUMBER 1-916783-5
 EXCEPT ROTATED PATTERN, PGA370A LOGO AND HANDLE, ALL OTHER DETAILS SAME AS ON SHEET 2.

LOC	DATE	DESCRIPTION	DATE	BY	APP'D
DY		SEE SHEET 1			



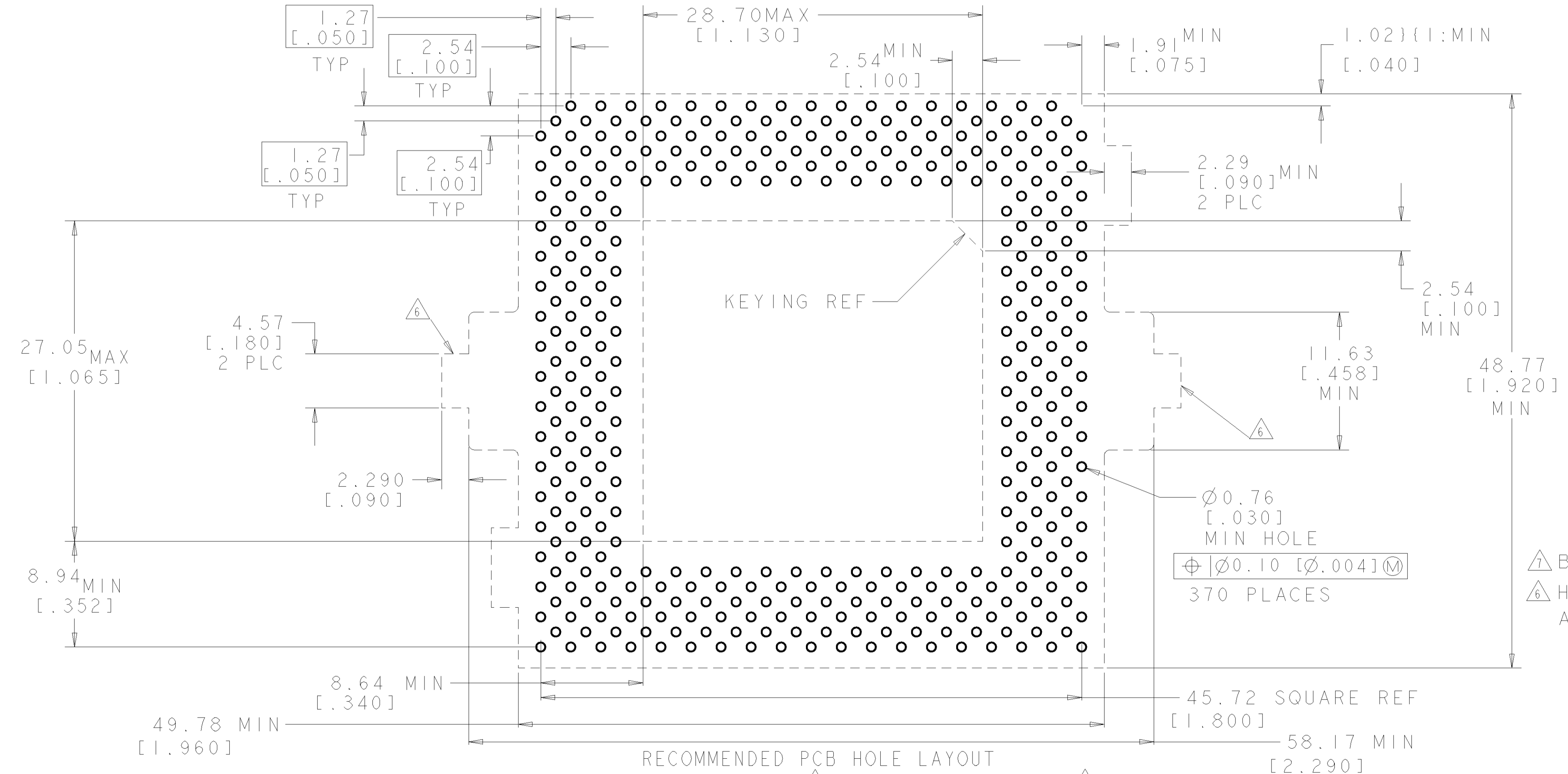
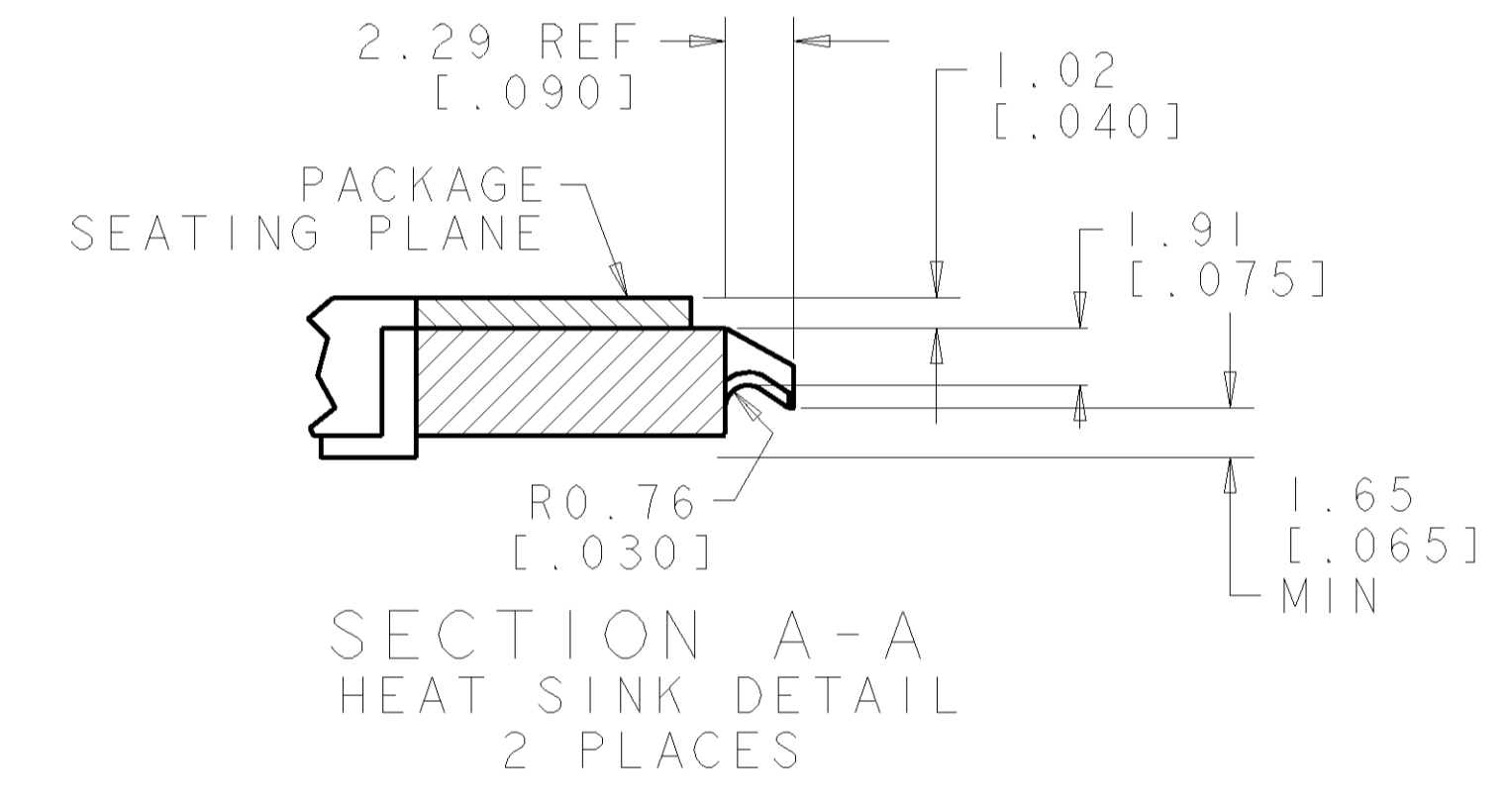
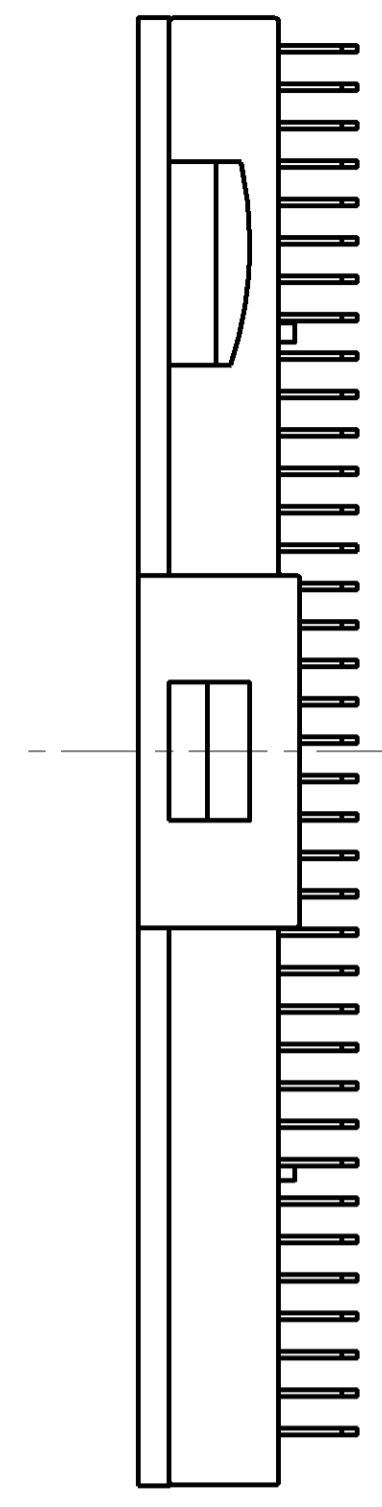
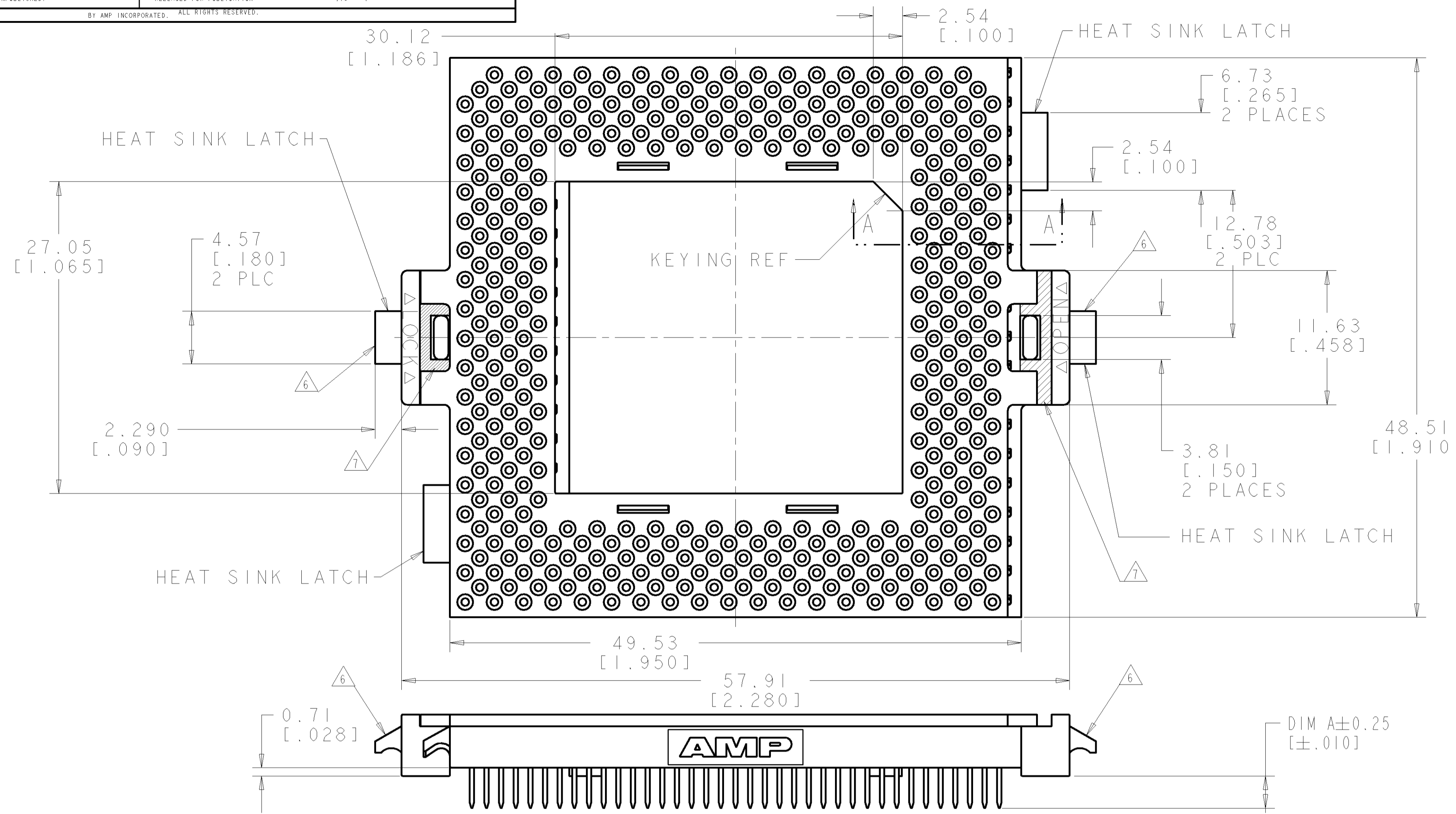
PART NUMBER 1-916783-8
 EXCEPT ROTATED PATTERN AND PGA370A LOGO, ALL OTHER DETAILS SAME AS ON SHEET 2.



PART NUMBER 3-916783-5, 371 POSITIONS
 EXCEPT 371 POSITIONS PATTERN AND PGA371 LOGO, ALL OTHER DETAILS SAME AS ON SHEET 2.

THIS DRAWING IS A CONTROLLED DOCUMENT.		OWN: B. HOLT	DSMATS9	AMP AMP MANUFACTURING (SINGAPORE) PTE. LTD.
DIMENSIONS: mm (INCHES)		CHK: B. KUHNLY	DSMATS9	
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APP'D: SE. LEONG	NAME:	SOCKET ASSEMBLY, LOW PROFILE, ZIF PGA, 19 X 19 GRID
Ø PLC ±		PRODUCT SPEC:	SEE TABLE	
PLC ±0.20 (.008)		APPLICATION SPEC:	SEE TABLE	SIZE: CADE CODE: DRAWING NO:
PLC ±		RESTRICTED TO:	AI 00779	916783
MATERIAL: ALUMINUM		WEIGHT:	CUSTOMER DRAWING	SCALE: 3:1 SHEET 3 OF 6 REV PI

LOC		DIST		REVISIONS			
1	2	3	4	DATE	BY	APPD	
							SEE SHEET 1

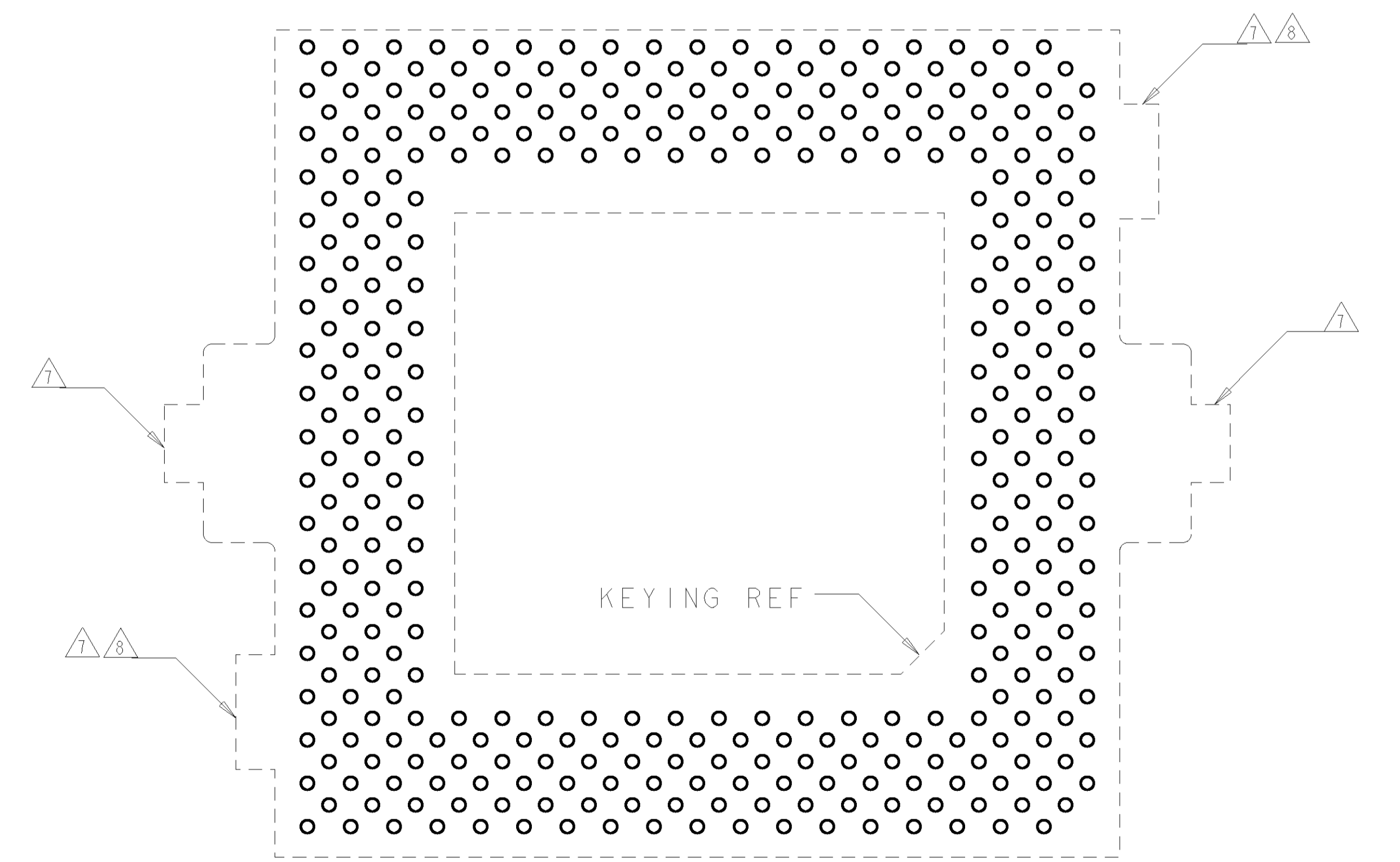
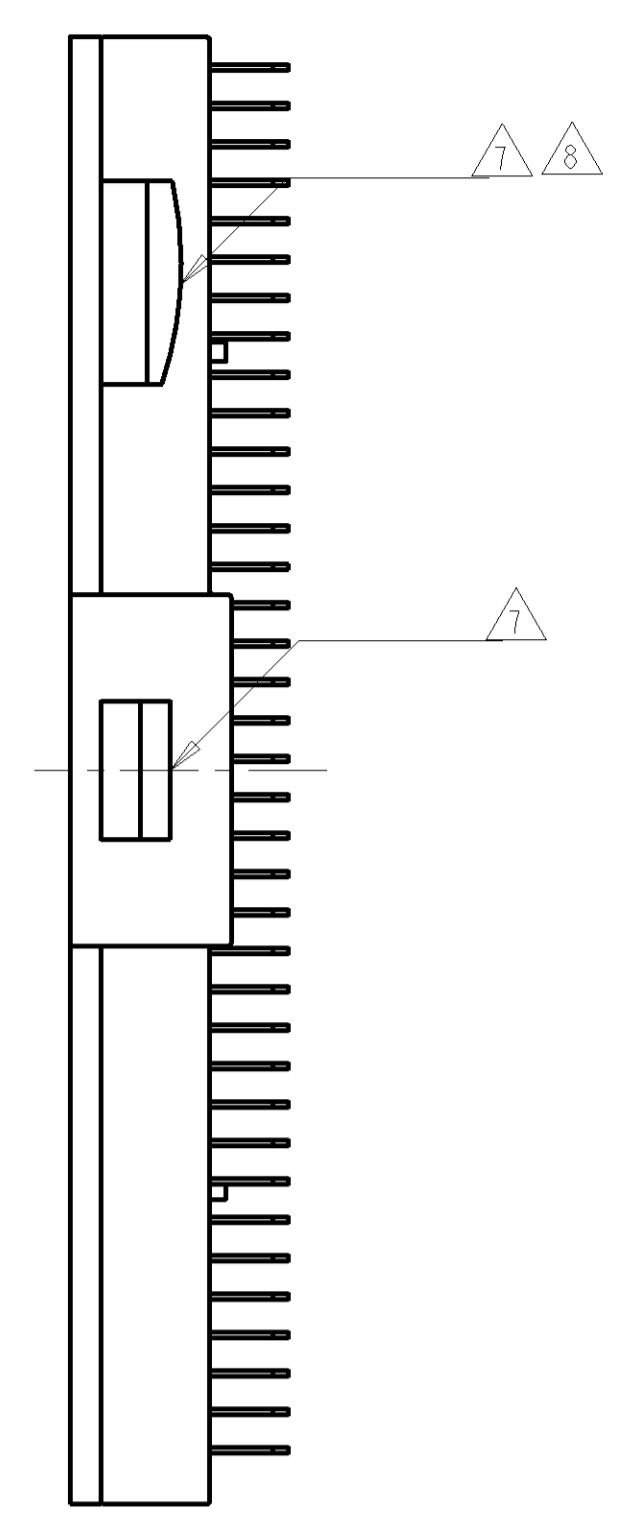
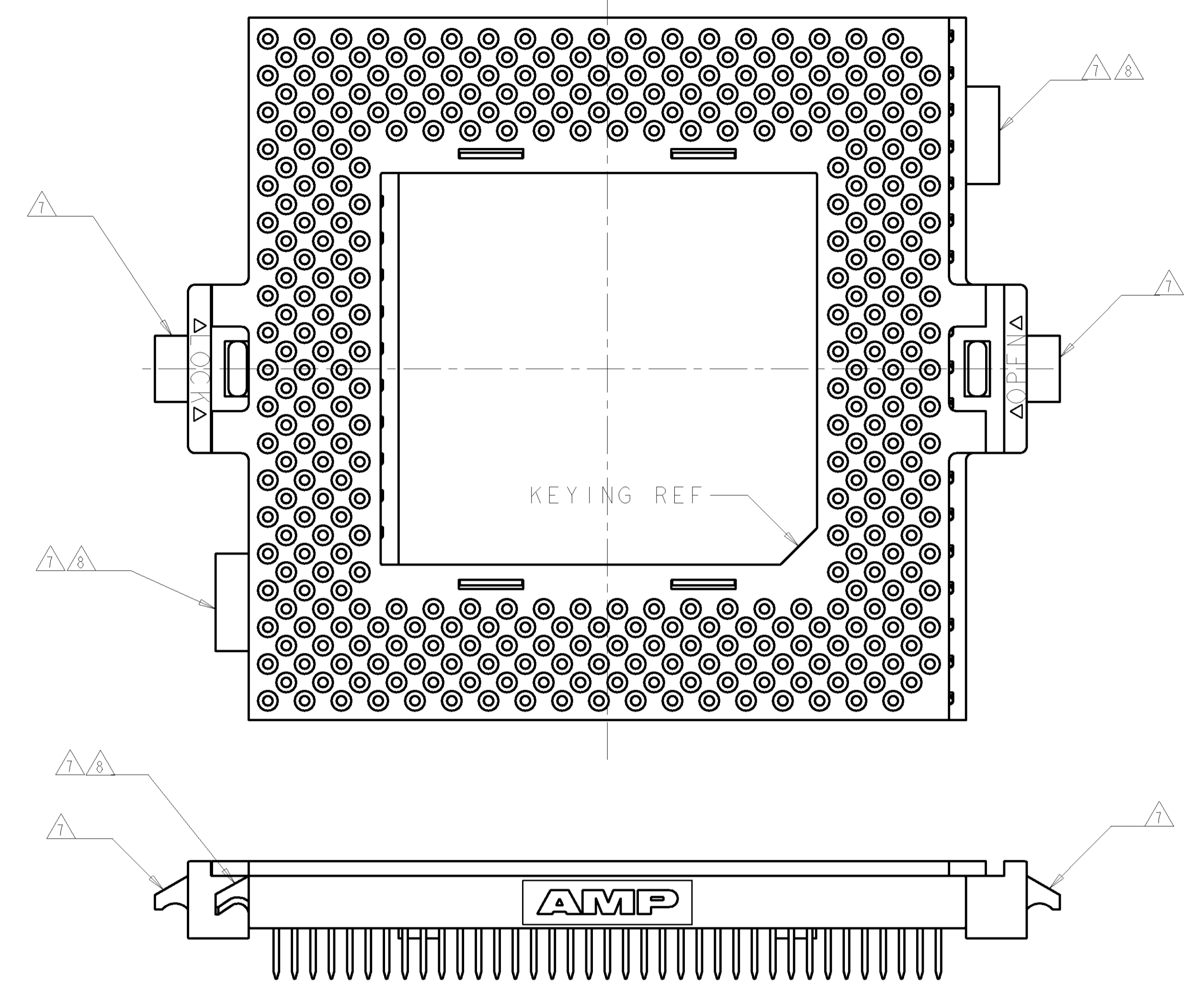


⚠ BLACK COLOUR MARKING ON HOUSING P/N: 4-916783-7 ONLY.
 ⚠ HEAT SINK LATCHES ON 4-916783-5, 4-916783-6 AND 4-916783-7

PART NUMBERS 4-916783-2, 4-916783-5 AND 4-916783-6 & 4-916783-7

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWG: A. HOLT	DSMAY99	AMP AMP MANUFACTURING (SINGAPORE) PTE. LTD.
DIMENSIONS: mm (INCHES)		CHK: B. KUHNLY	DSMAY99	
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APPD: S.F. LEONG	NAME: SOCKET ASSEMBLY, LOW PROFILE, ZIF PGA, 19 X 19 GRID	RESTRICTED TO
0 PLC ±		PRODUCT SPEC: SEE TABLE	SIZE: A1	
1 PLC ±		APPLICATION SPEC: SEE TABLE	SCALE: 4:1	SHEET 4 OF 6
2 PLC ±		MATERIAL: ⚠	REV: PI	
3 PLC ±		FINISH: ⚠	CUSTOMER DRAWING	
4 PLC ±				
ANGLES ±				

LOC	DIST	REVISIONS			
		REV	DESCRIPTION	DATE	BY
DY		-	SEE SHEET 1	-	-

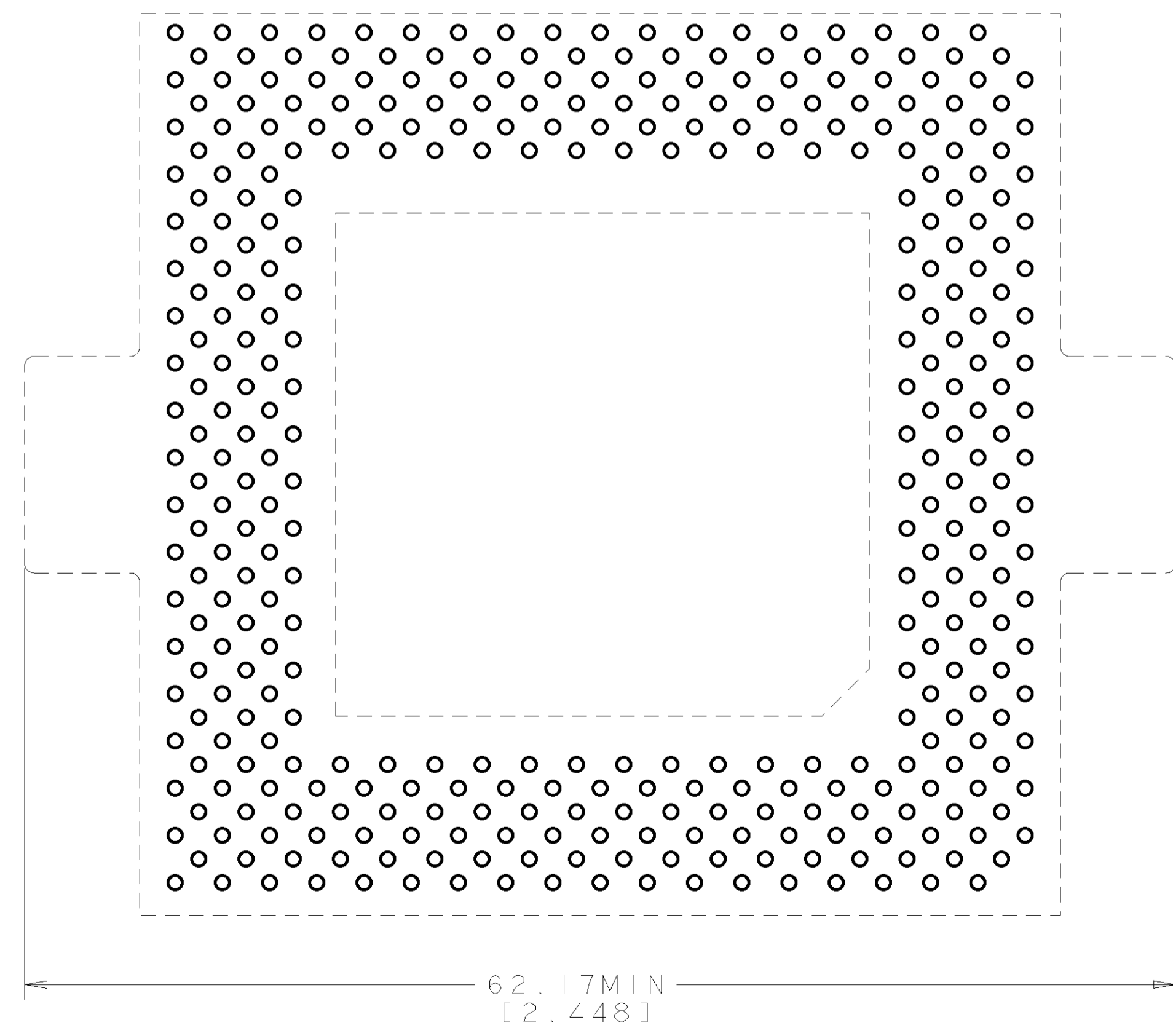
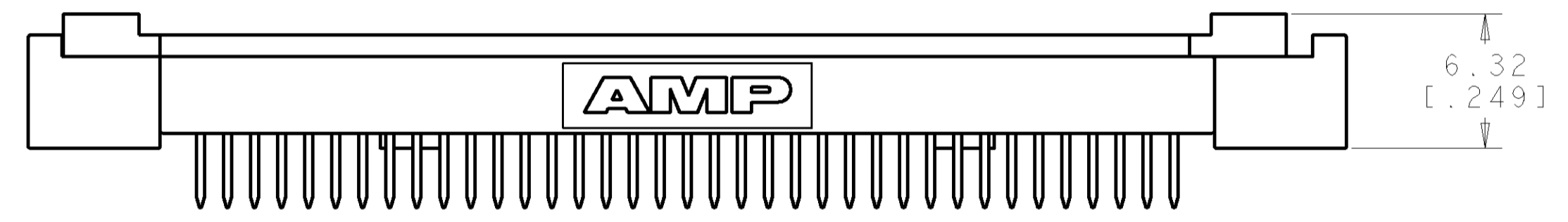
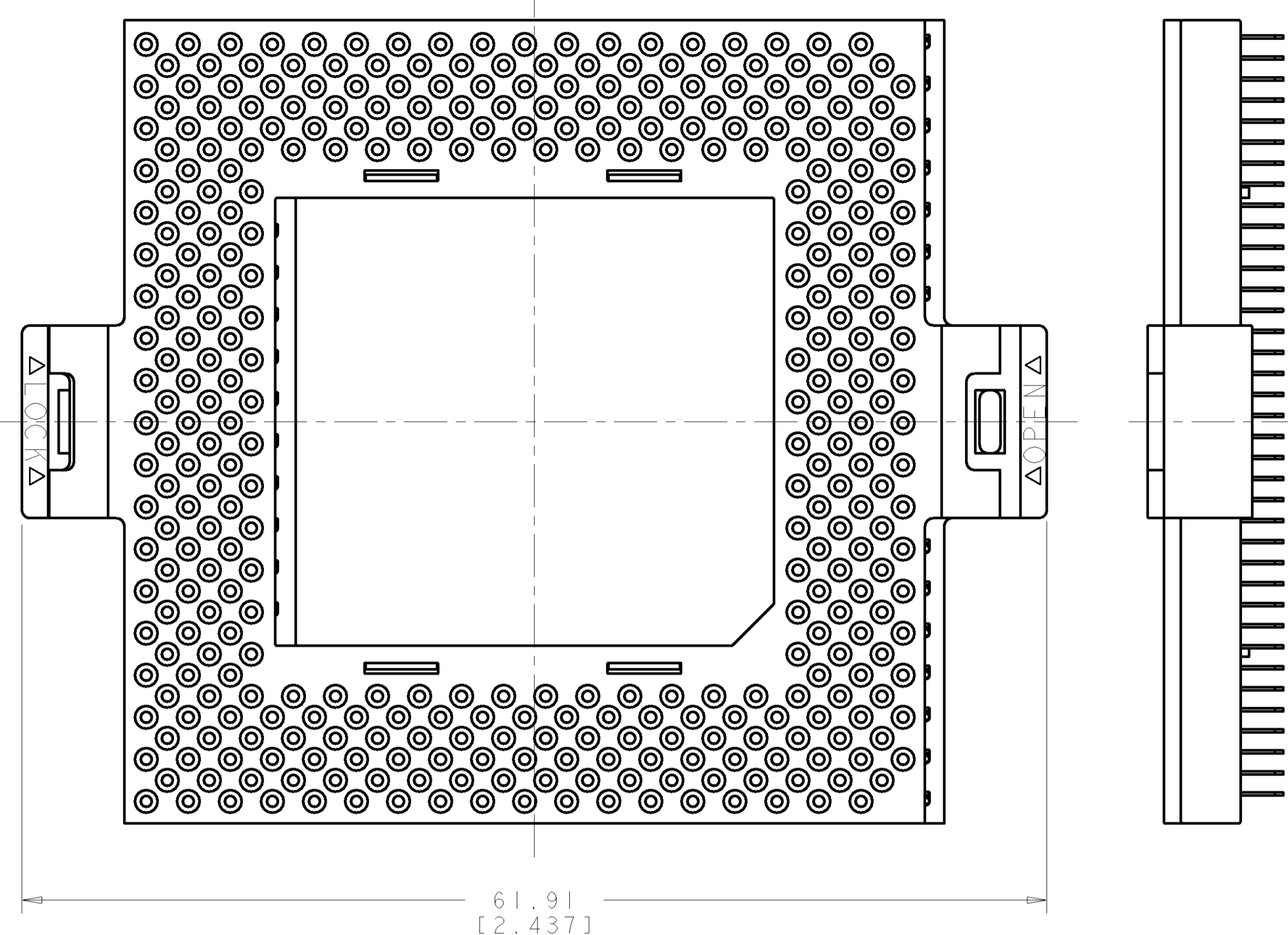


RECOMMENDED PCB HOLE LAYOUT
 PART NUMBERS 5-916783-2, 5-916783-5 AND 5-916783-6
 EXCEPT FOR PATTERN AND ROTATED KEYING
 ALL OTHER DETAILS SAME AS SHEET 4

7? HEAT SINK LATCHES ON 5-916783-5 ONLY.
 8? HEAT SINK LATCHES ON 5-916783-6 ONLY.

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN A. HOLT	OSMA199	AMP AMP MANUFACTURING (SINGAPORE) PTE. LTD.
DIMENSIONS: mm (INCHES)		CHK B. KUHNH Y	OSMA199	
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APPD S.F. LFONG	NAME SEE TABLE	SOCKET ASSEMBLY, LOW PROFILE, ZIF PGA, 19 X 19 GRID
0. PLG ±		PRODUCT SPEC	APPLICATION SPEC	RESTRICTED TO
1. PLG ±		SEE TABLE	SEE TABLE	SIZE
2. PLG ±				SCALE CODE
3. PLG ±				DRAWING NO
4. PLG ±				WEIGHT
ANGLES ±				SIZE
				SCALE CODE
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LOC		DIST		REVISIONS			
1	2	3	4	DESCRIPTION	DATE	DWN	APPD
				SEE SHEET 1			



RECOMMENDED PCB HOLE LAYOUT

PART NUMBER 6-916783-1

EXCEPT FOR PATTERN, ROTATED KEYING, NO HEAT SINK LATCHES AND EXTENDED ACTUATION TABS,
ALL OTHER DETAILS SAME AS 4-916783-2

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN A. HOLT	SIMAROO	AMP AMP MANUFACTURING (SINGAPORE) PTE. LTD.
DIMENSIONS: mm (INCHES)		CHK B. KUHN Y	SIMAROO	
TOLERANCES UNLESS OTHERWISE SPECIFIED:		NAME SE L FONG	PRODUCT SPEC	SOCKET ASSEMBLY, LOW PROFILE, ZIF PGA, 19 X 19 GRID
0 PLG ±		APPLICATION SPEC	SEE TABLE	
1 PLG ±		RESTRICTED TO	SEE TABLE	
2 PLG ±		SIZE	SEE TABLE	
3 PLG ±		CAGE CODE		
4 PLG ±		DRAWING NO		
ANGLES ±		WEIGHT		
MATERIAL	FINISH	AL	00779	916783
CUSTOMER DRAWING		SCALE	4:1	SHEET 6 OF 6