



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



Contact us

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832

Email & Skype: info@chipsmall.com Web: www.chipsmall.com

Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China

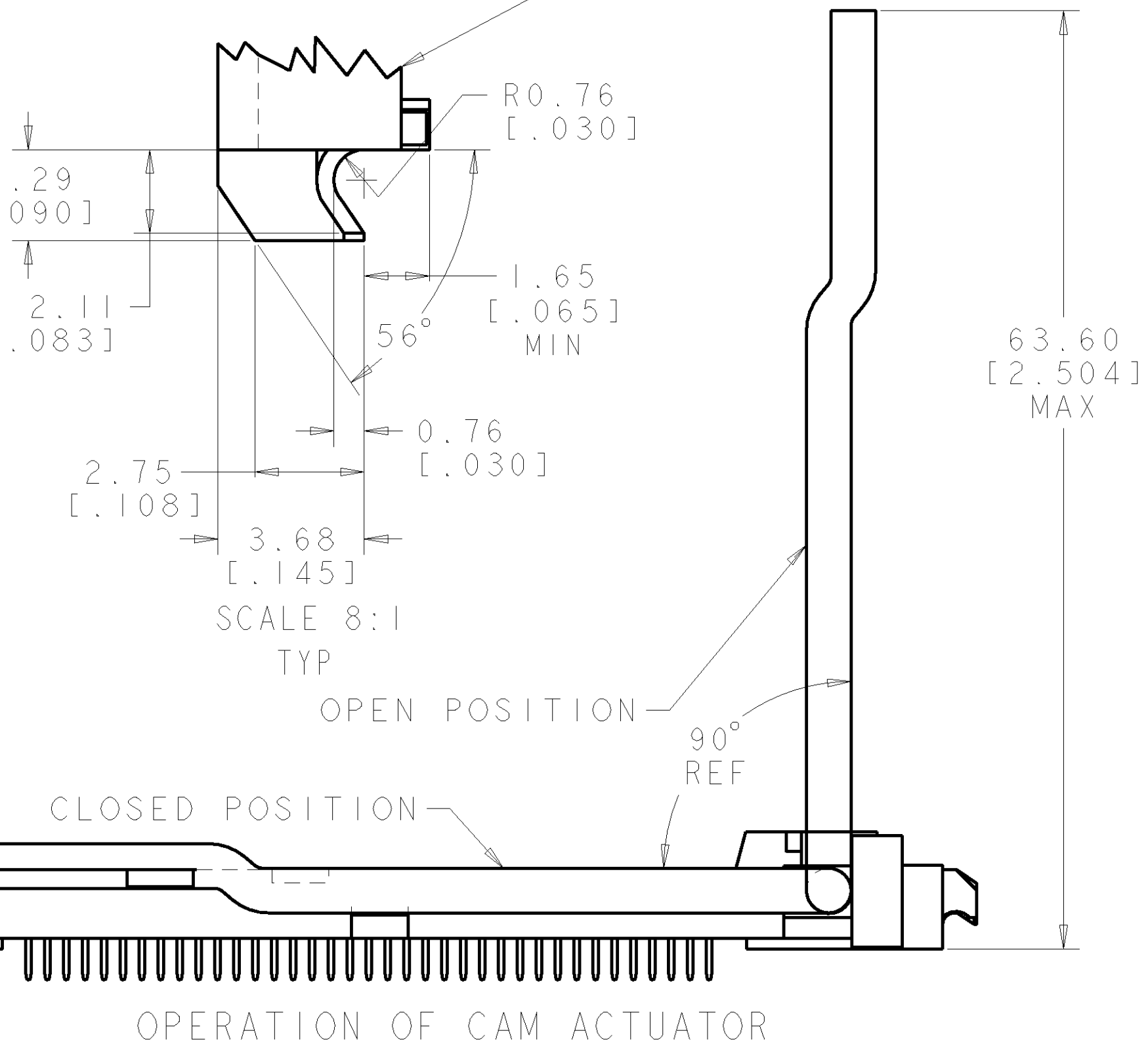
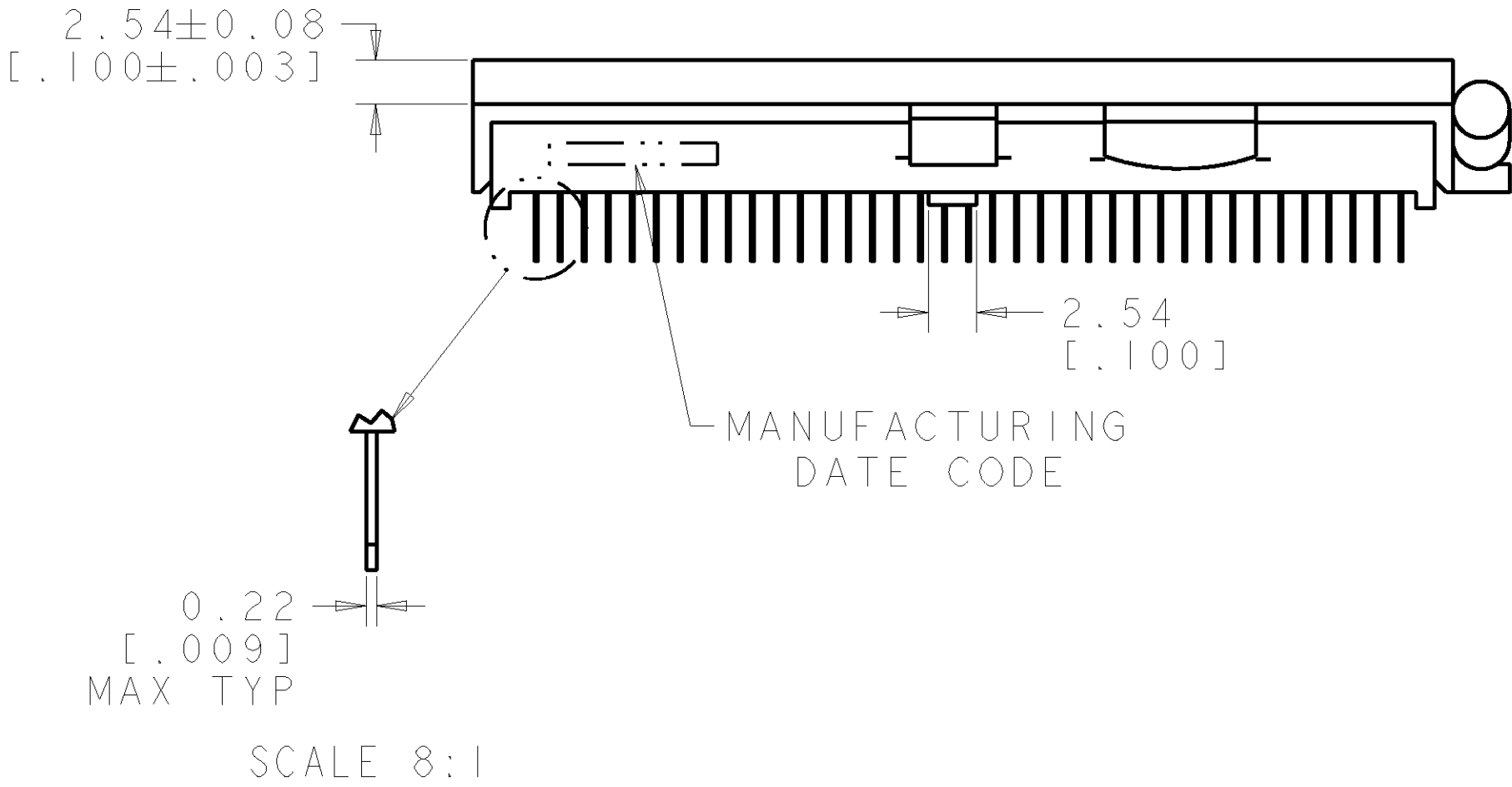
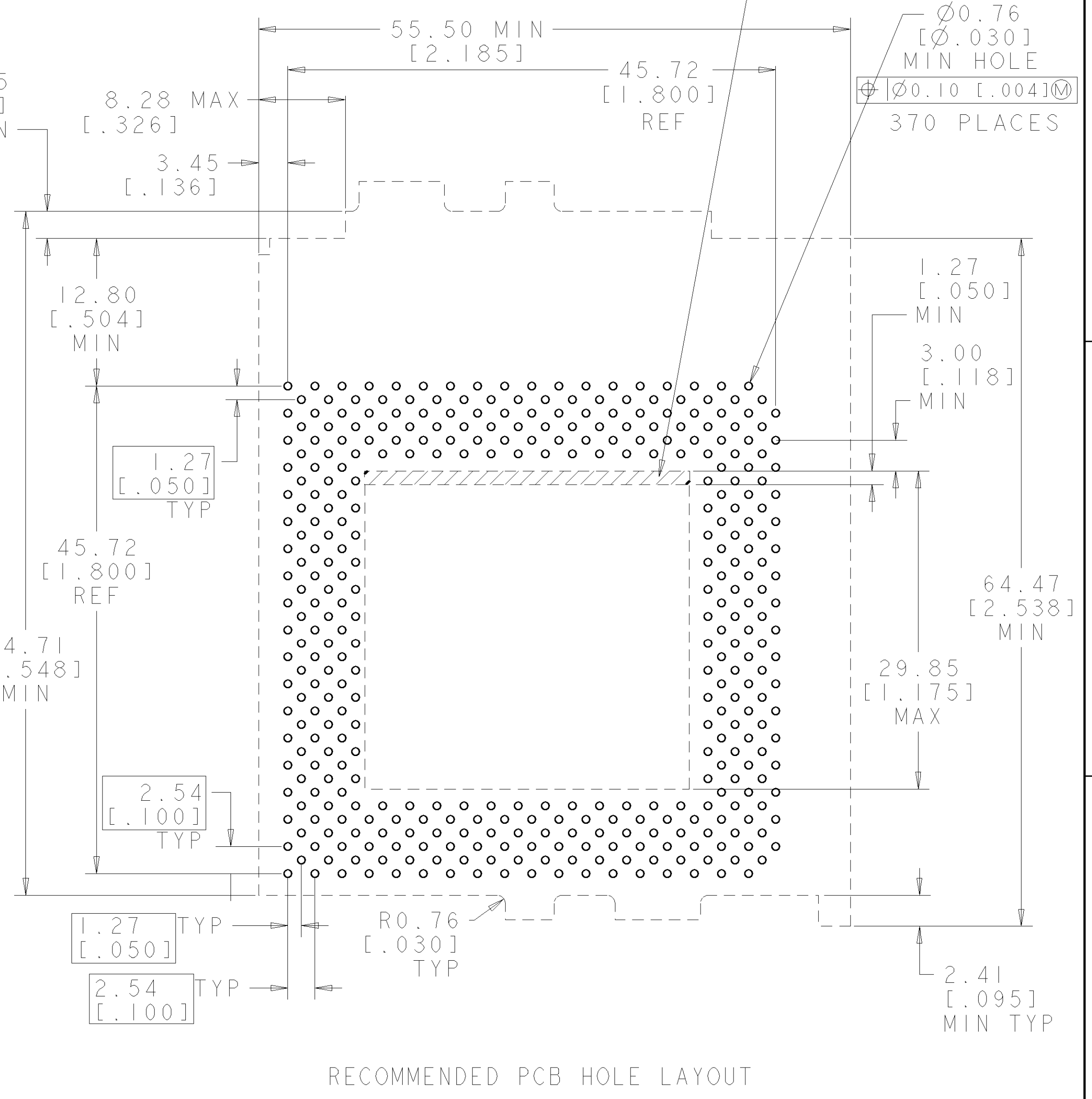
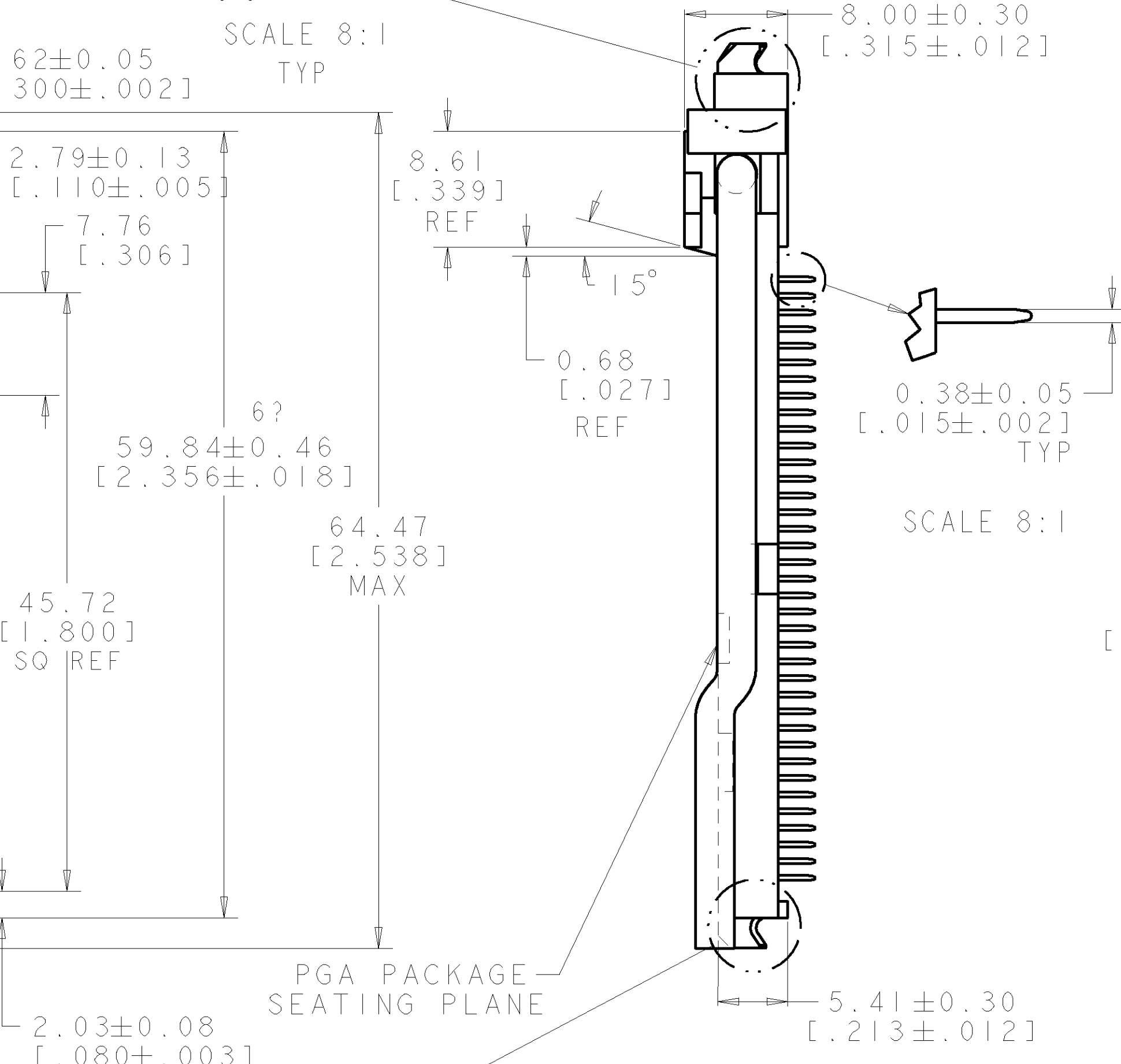
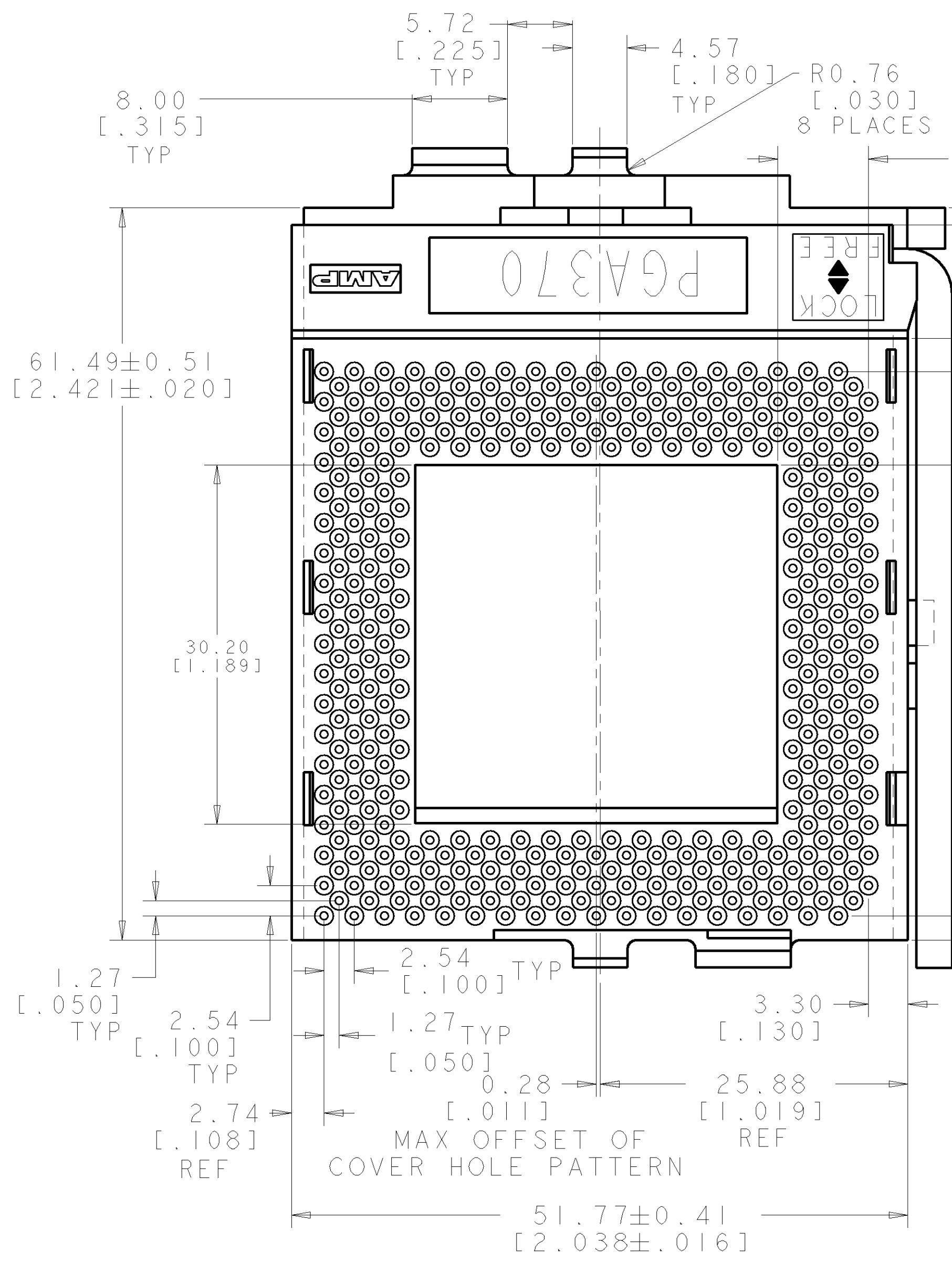
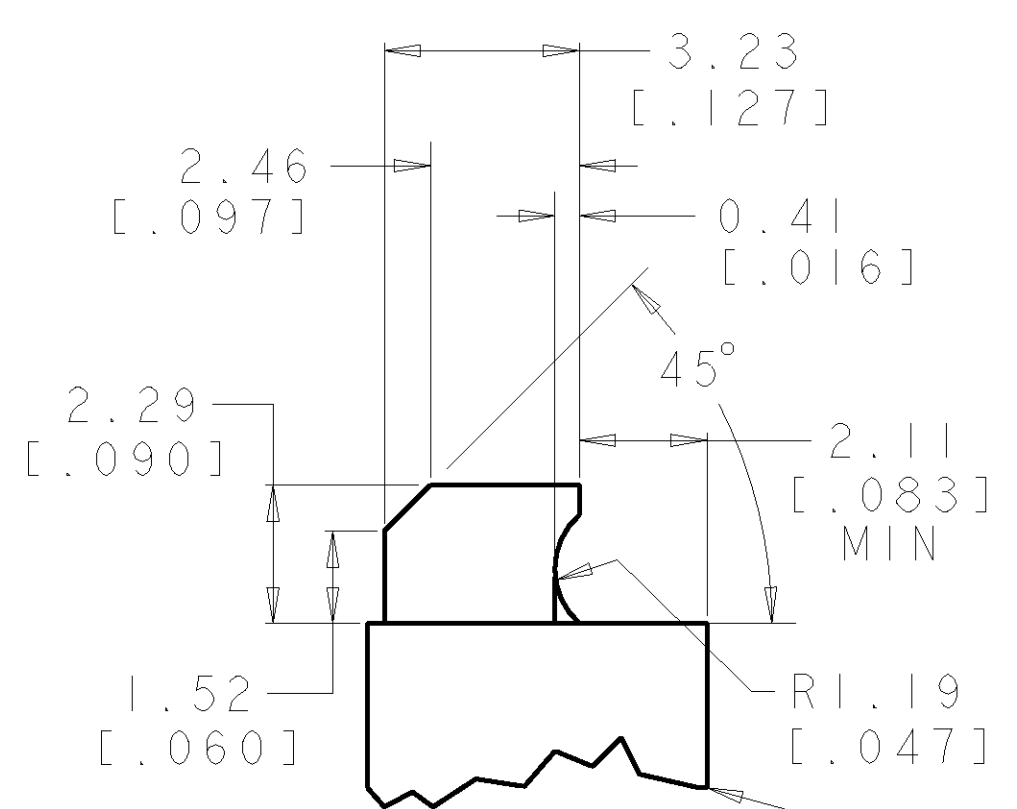
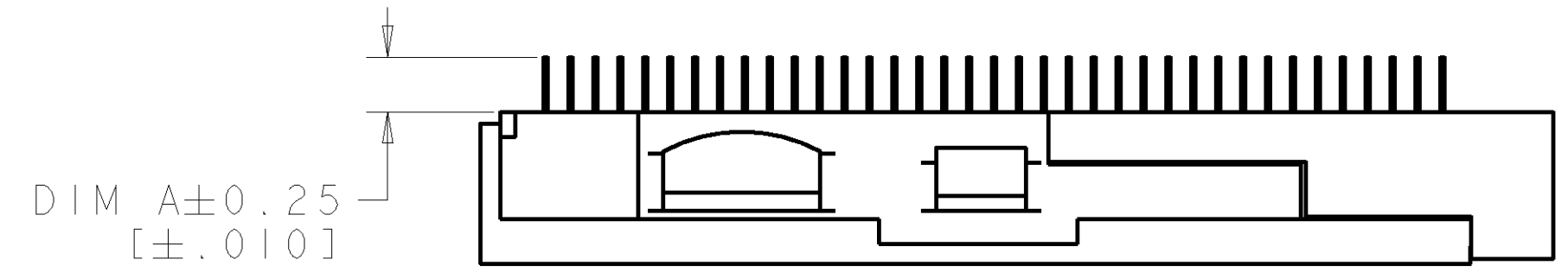


- ① MATERIAL: HOUSING AND COVER ARE HIGH TEMPERATURE THERMOPLASTIC, LIQUID CRYSTAL POLYMER (LCP), COLOR: NATURAL, FOR 1-916783-5 AND 3-916783-5, COVER IS BLACK. LP SLZ LEVER MATERIAL IS STAINLESS STEEL. CONTACT MATERIAL IS COPPER ALLOY.
 - ② FINISH: CONTACT AREA-GOLD THICKNESS PER TABLE OVER 0.00381[.000150] 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

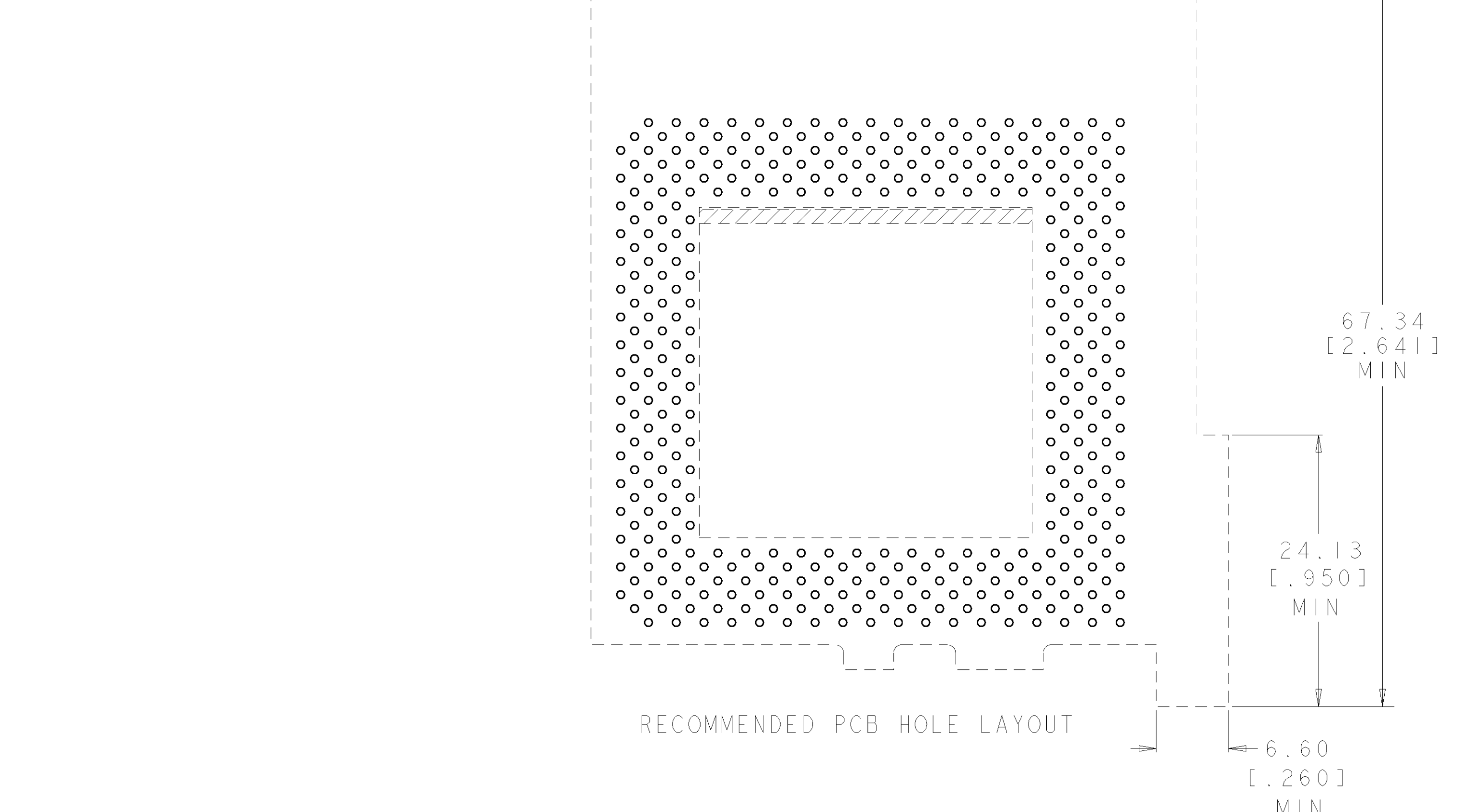
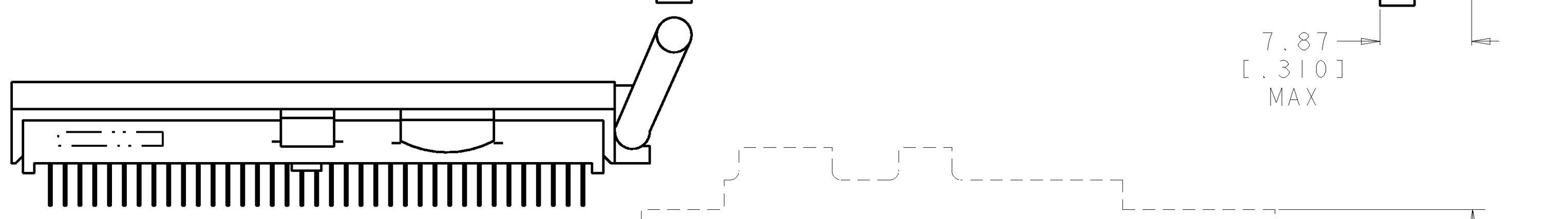
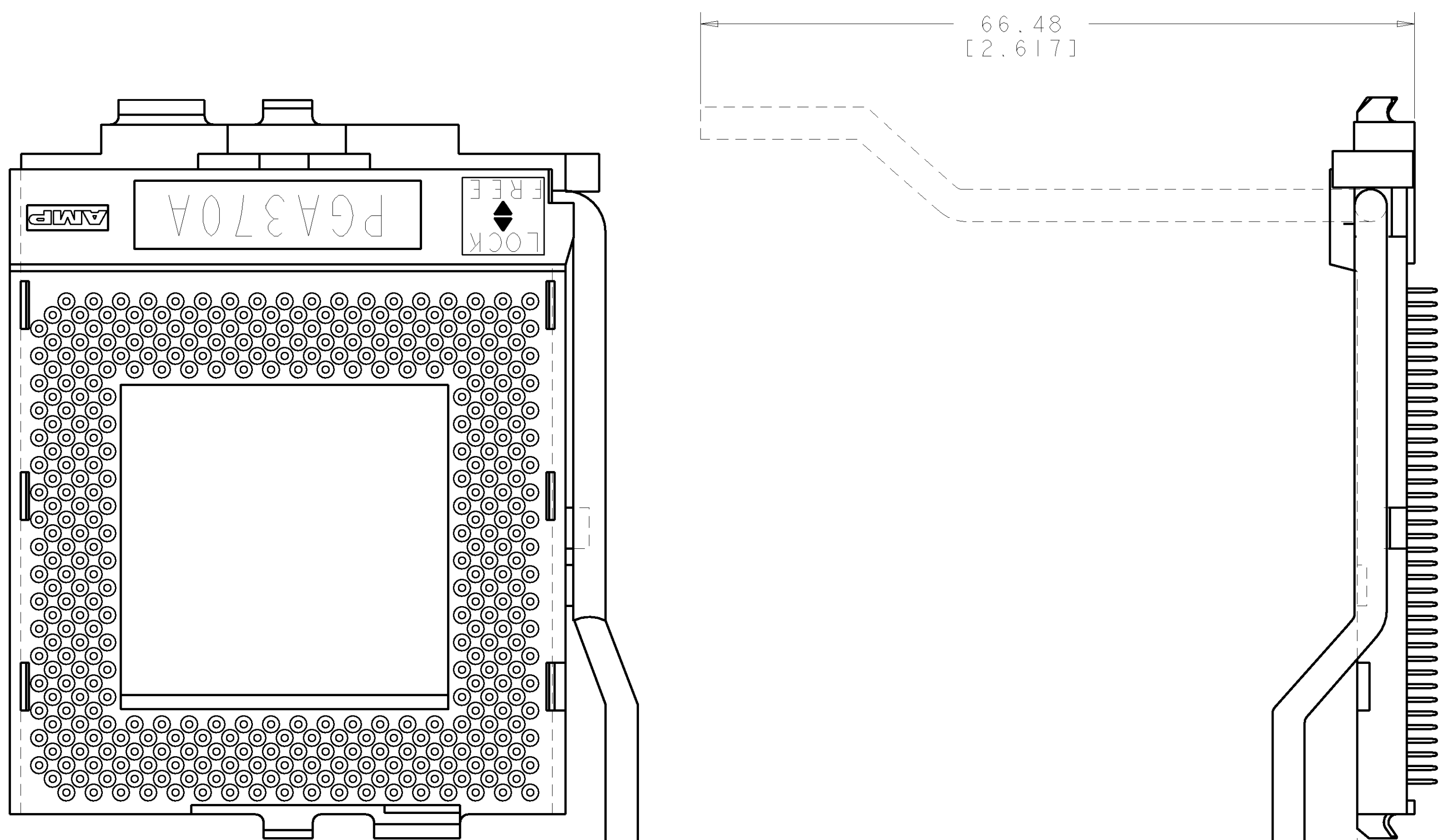
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DIMENSIONS: mm (INCHES)		CHK: B. KUHNLY	11SEP98	
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APVD: S.F. LEONG	NAME: SOCKET ASSEMBLY, LOW PROFILE, ZIF PGA, 19 X 19 GRID	RESTRICTED TO
0 PLC ± 1 PLC ±0.30 [.012] 2 PLC ± 3 PLC ± 4 PLC ± ANGLE ±2° FINISH		PRODUCT SPEC: SEE TABLE	APPLICATION SPEC: SEE TABLE	
MATERIAL: ①	②	WEIGHT:	SIZE: A1	CAGE CODE: 00779
CUSTOMER DRAWING		DRAWING NO: 916783	SCALE: 3:1	SHEET: 1 OF 6

LOC	DATE	DESCRIPTION	BY	CHK	APPD
DY		SEE SHEET 1			



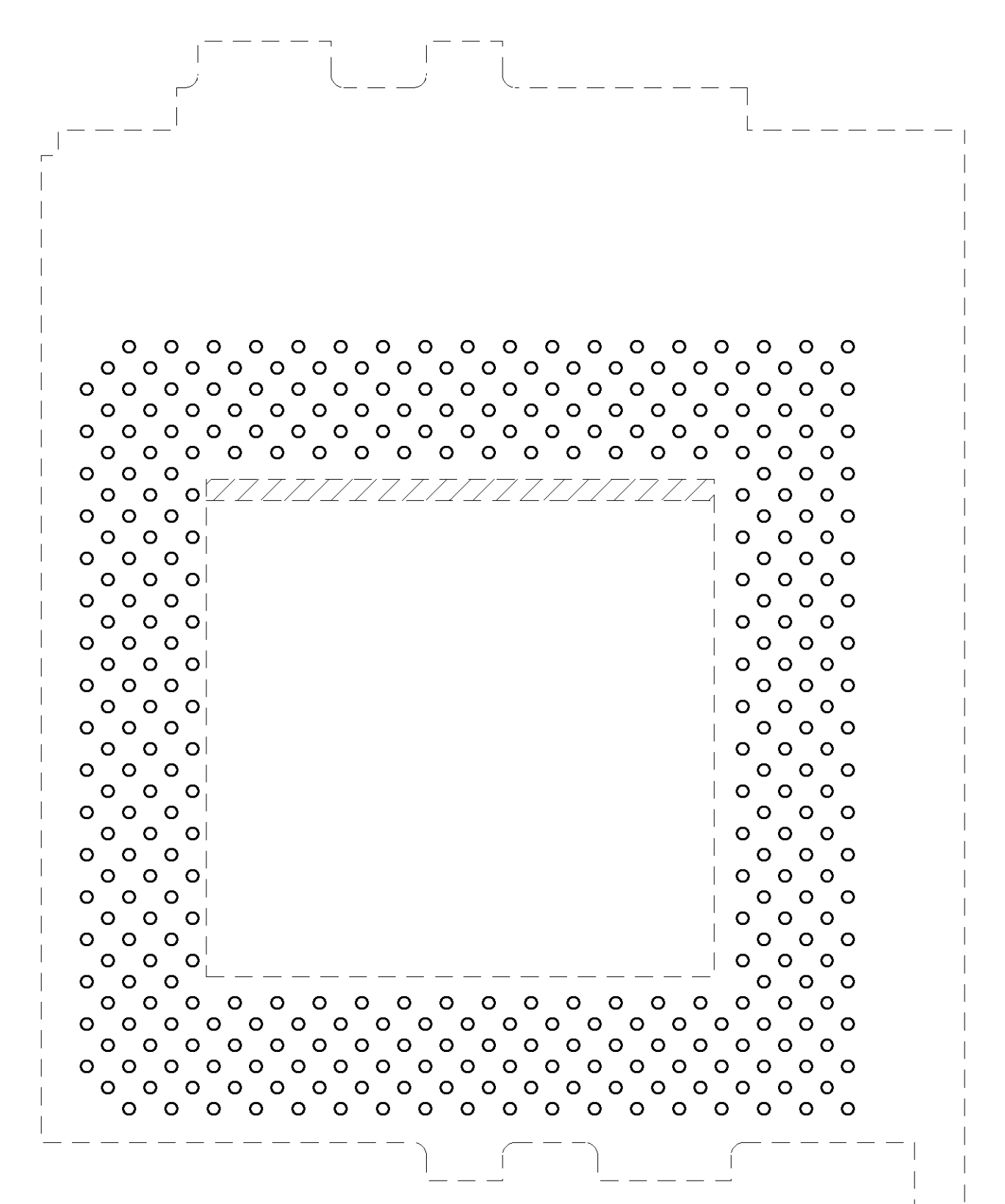
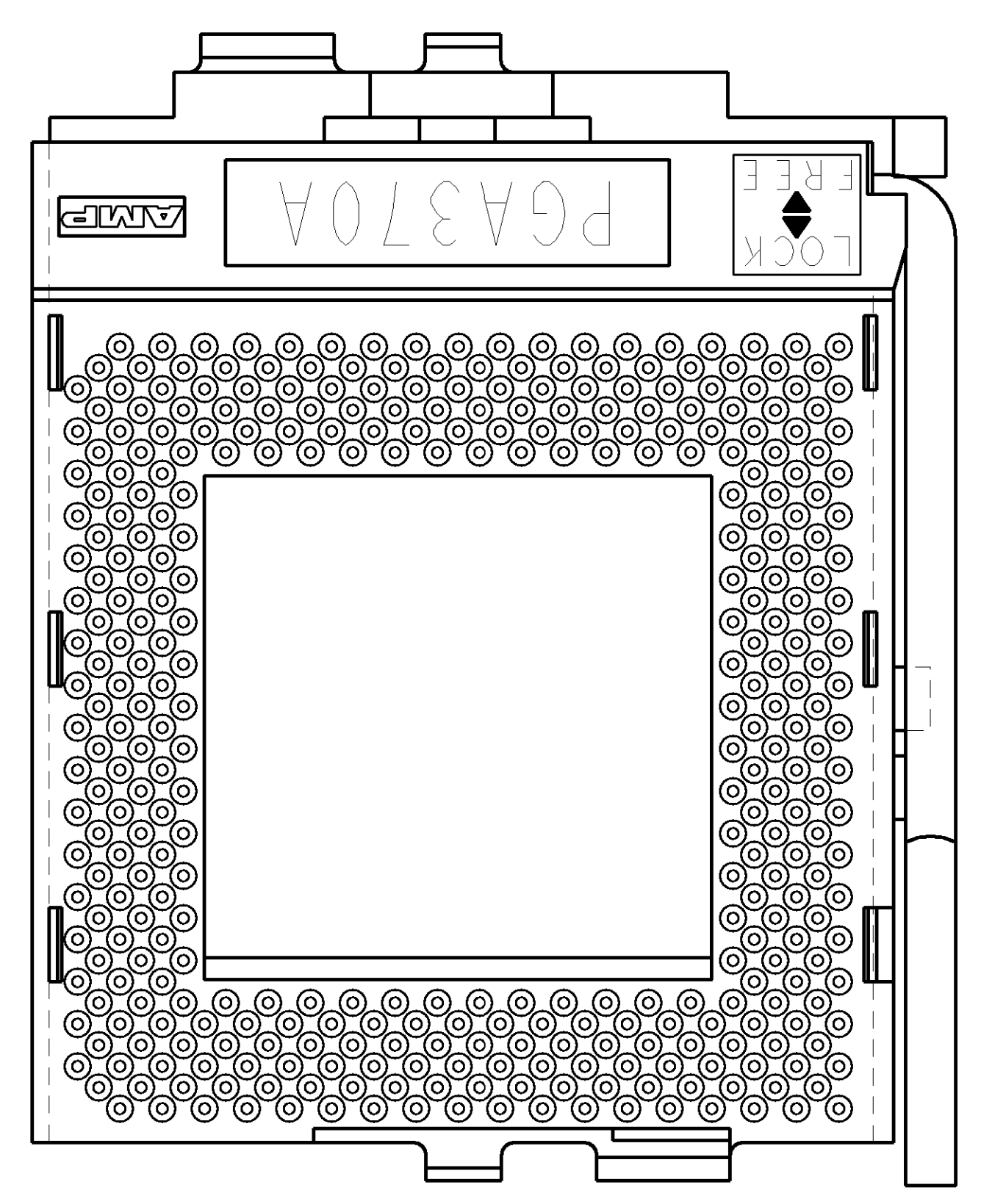
PART NUMBERS 2-916783-1 THRU 2-916783-9

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DIMENSIONS: mm (INCHES)		CHK: B. KUHNLY 13JAN99	NAME: SOCKET ASSEMBLY, LOW PROFILE, ZIF PGA, 19 X 19 GRID	
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APPD: S.F. LEONG	PRODUCT SPEC: SEE TABLE	
Ø ±			APPLICATION SPEC: SEE TABLE	
HOLE ±			SIZE: A1	
ANGLE ±			CAGE CODE: 916783	
FINISH			DRAWING NO: 916783	
MATERIAL			RESTRICTED TO: -	
WEIGHT			SCALE: 3:1	
CUSTOMER DRAWING			SHEET: 2 OF 6	
			REV: P	

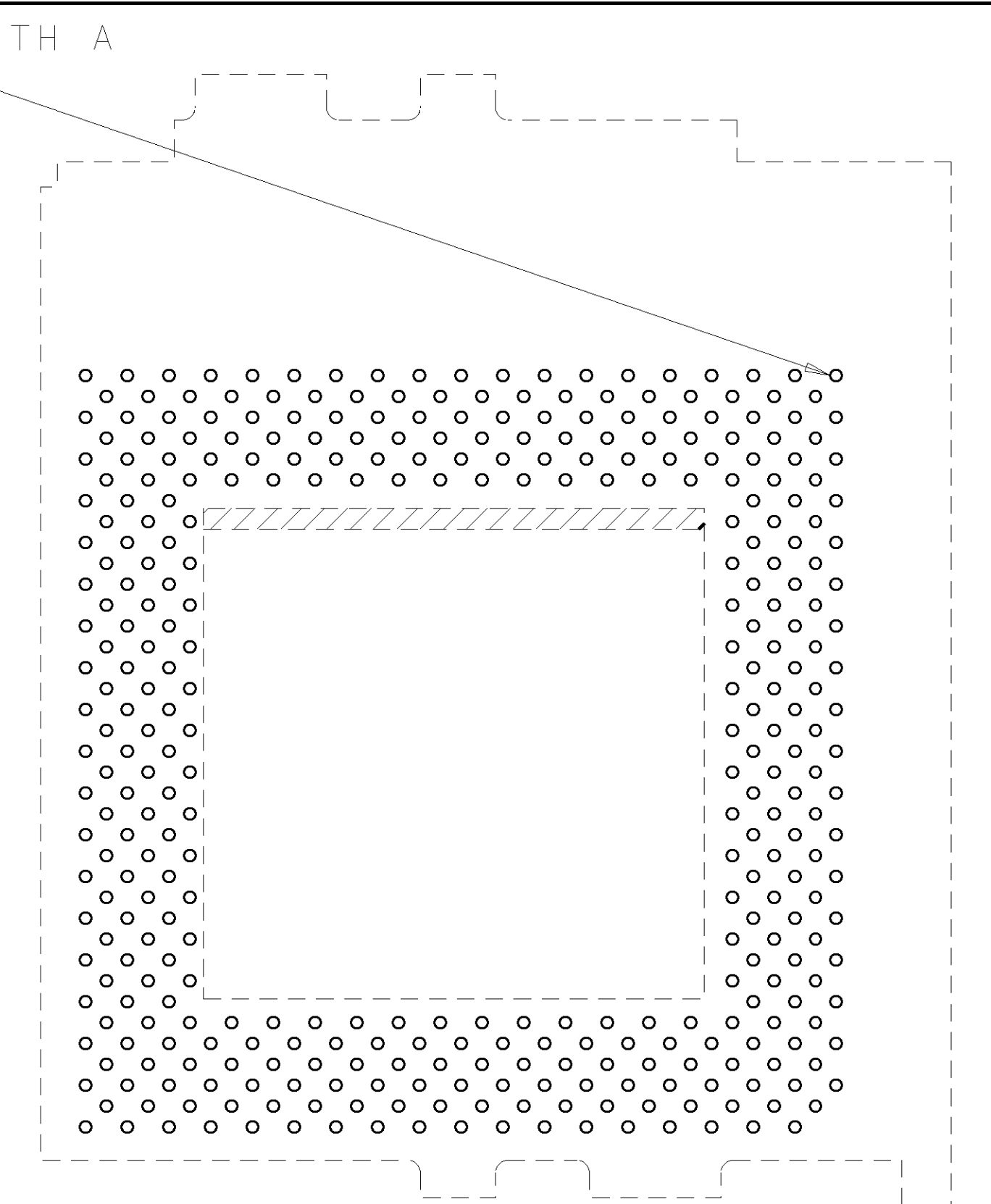
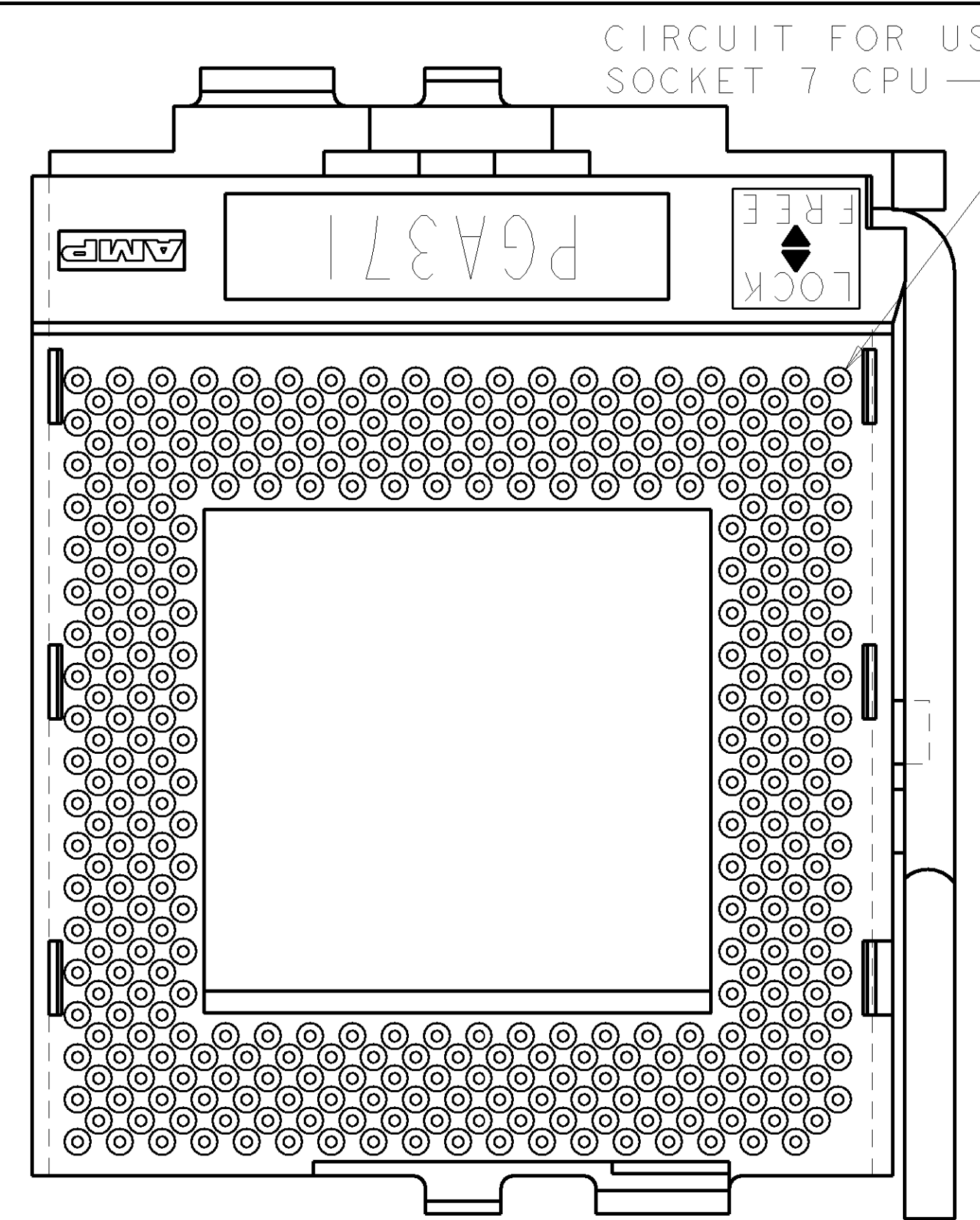


PART NUMBER 1-916783-5
 EXCEPT ROTATED PATTERN, PGA370A LOGO AND HANDLE, ALL OTHER DETAILS SAME AS ON SHEET 2.

LOC	DISP	REV	DATE	OWN	APPR
DY		1			



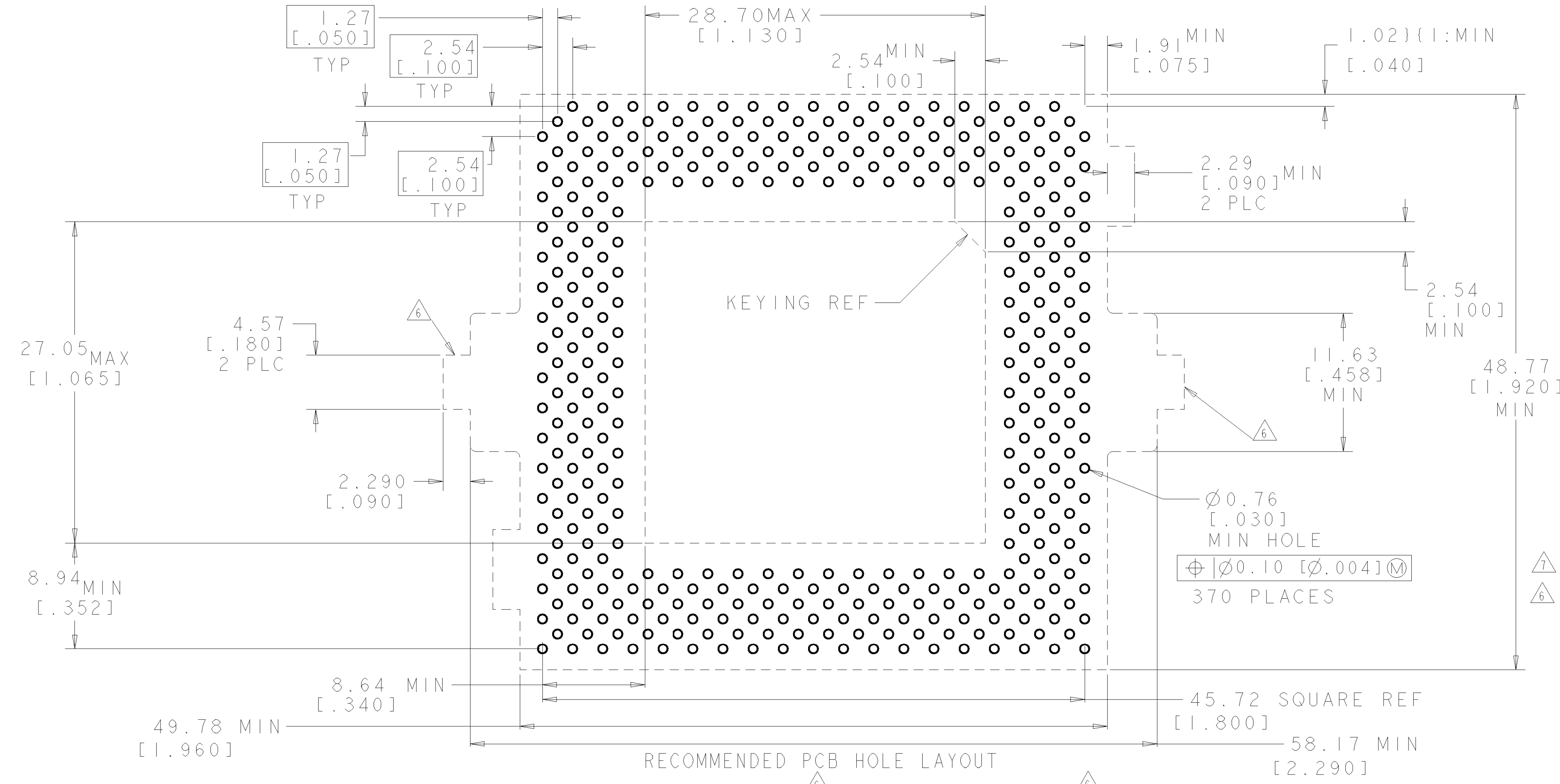
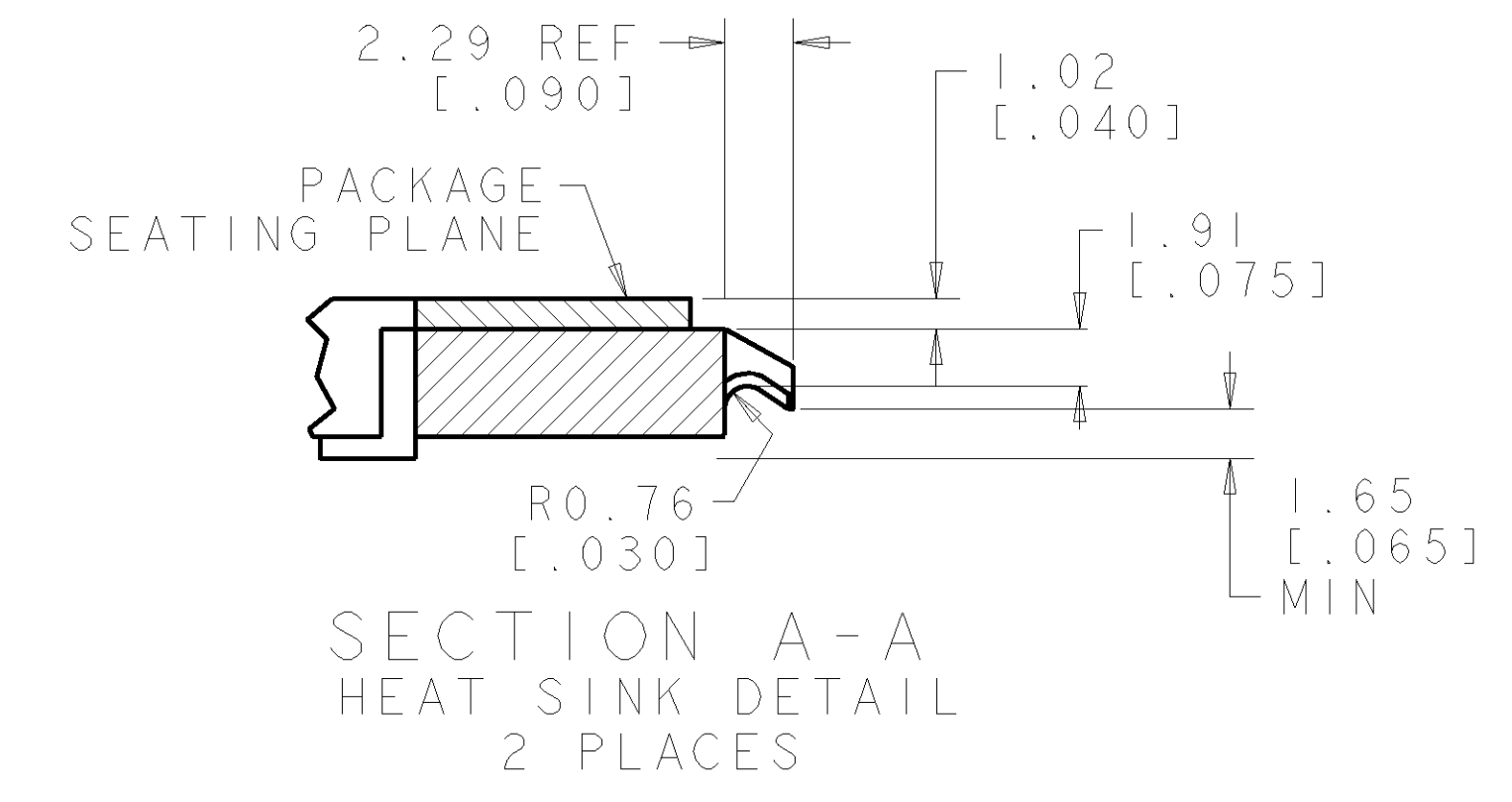
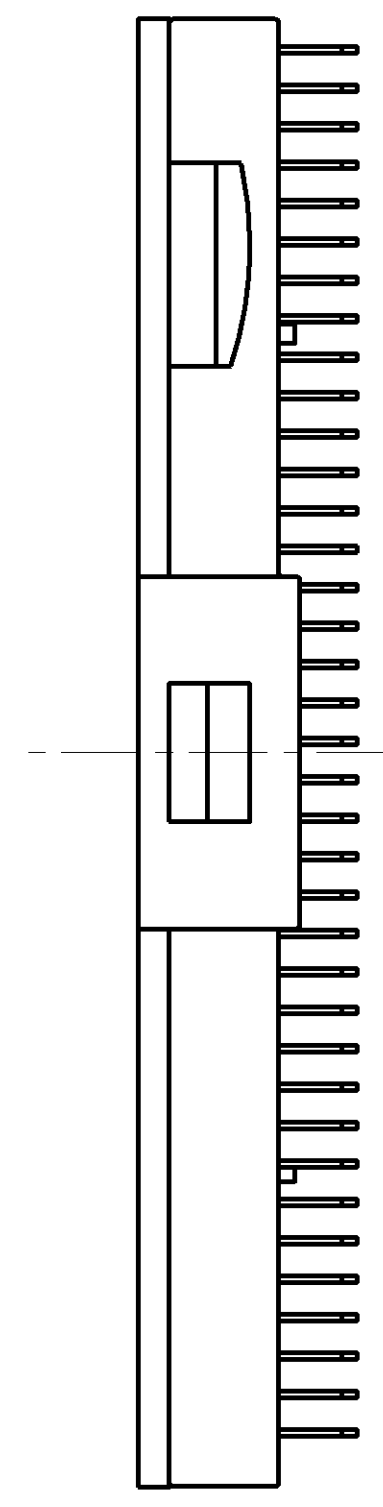
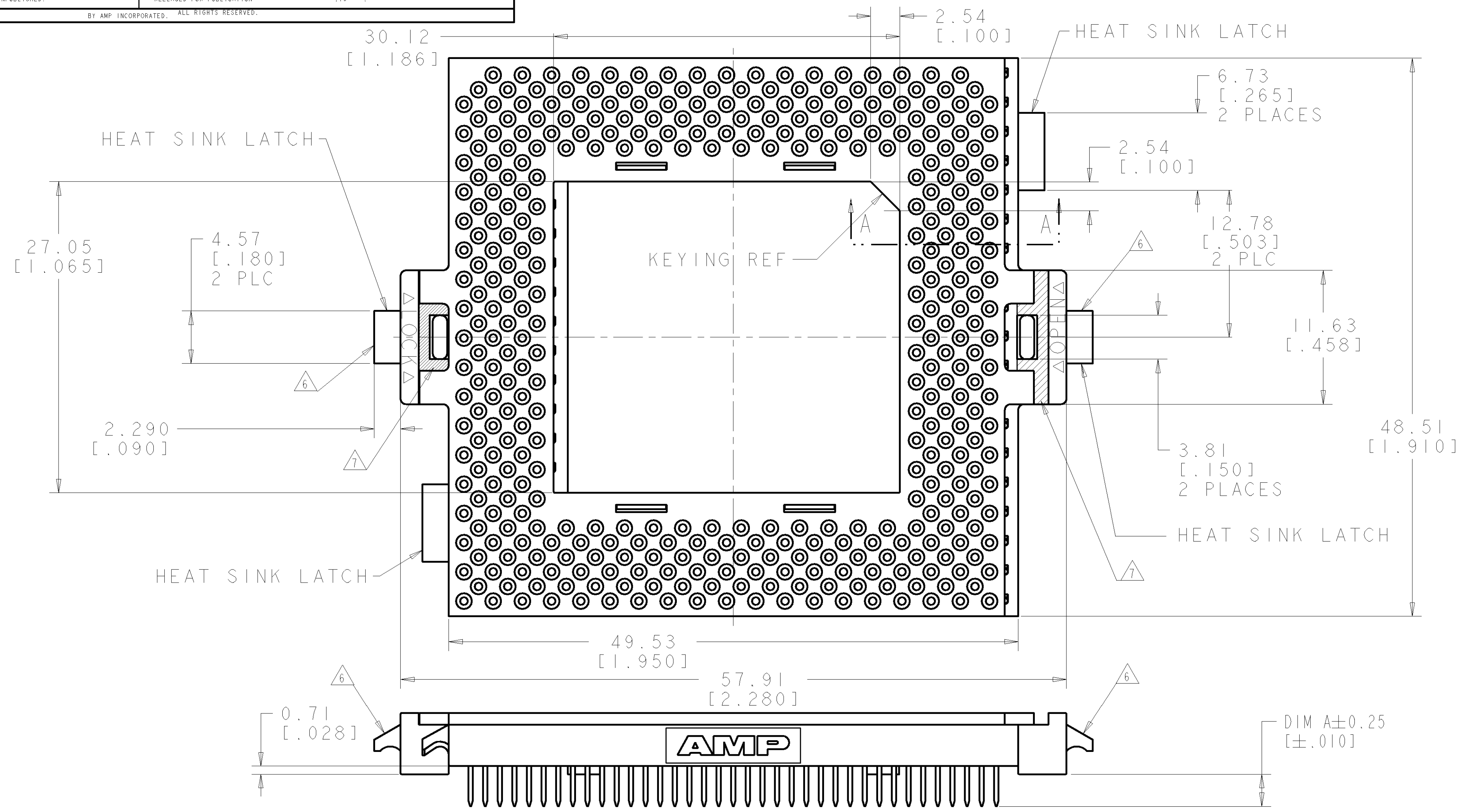
RECOMMENDED PCB HOLE LAYOUT
 PART NUMBER 1-916783-8
 EXCEPT ROTATED PATTERN AND PGA370A LOGO, ALL OTHER DETAILS SAME AS ON SHEET 2.



RECOMMENDED PCB HOLE LAYOUT
 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.		DSN: B. HOLT FOR: B. KUHNLY APVD: S.F. LEONG PRODUCT SPEC: SEE TABLE APPLICATION SPEC: SEE TABLE	NAME: AMP AMP MANUFACTURING (SINGAPORE) PTE. LTD.
DIMENSIONS: mm (INCHES) TOLERANCES UNLESS OTHERWISE SPECIFIED: Ø PLC ± .20 (.008) H ANGLE ±	MATERIAL:	SIZE: AI CASE CODE: 00779 DRAWING NO: 916783 RESTRICTED TO:	CUSTOMER DRAWING SCALE: 3:1 SHEET: 3 OF 6 REV: P

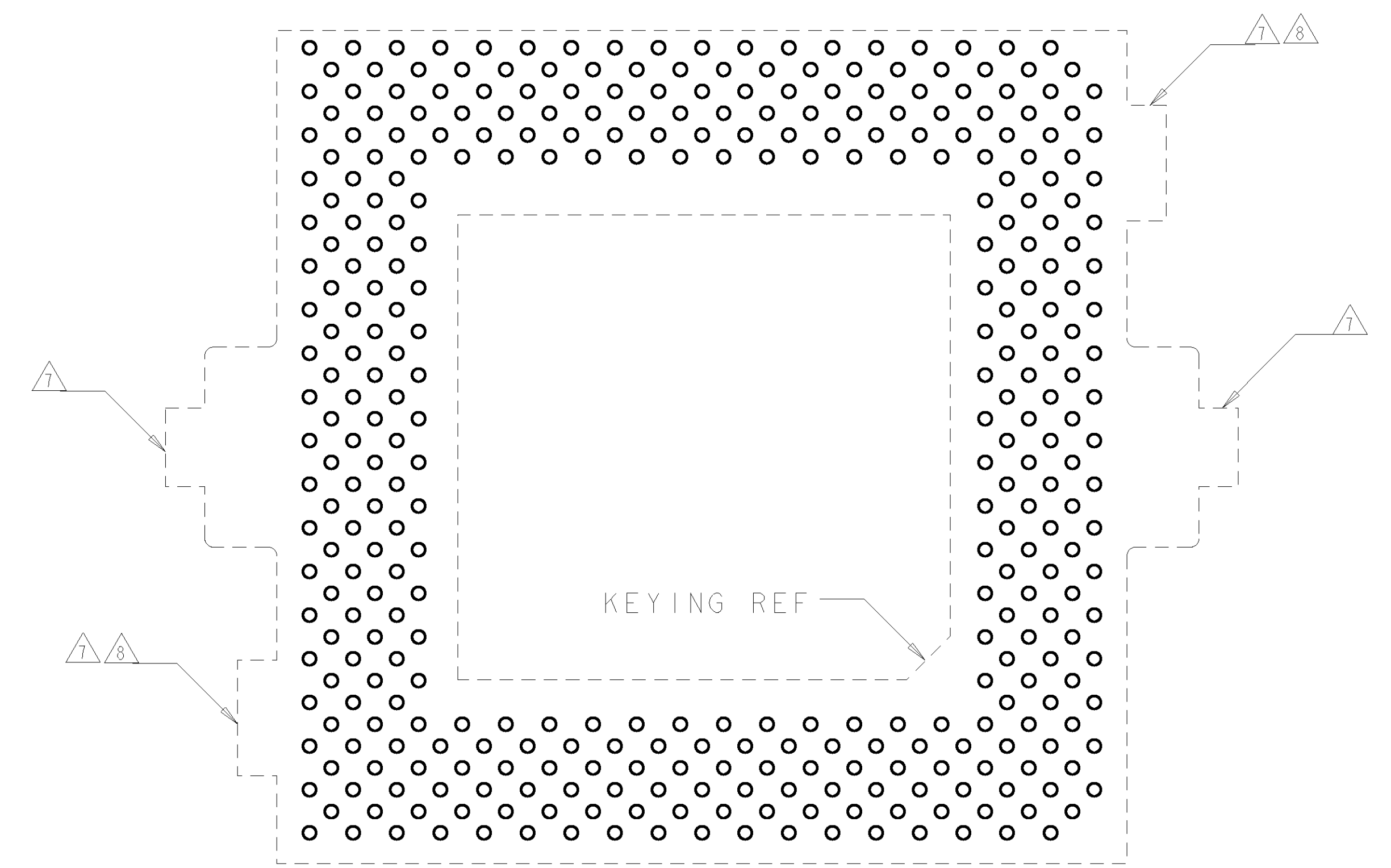
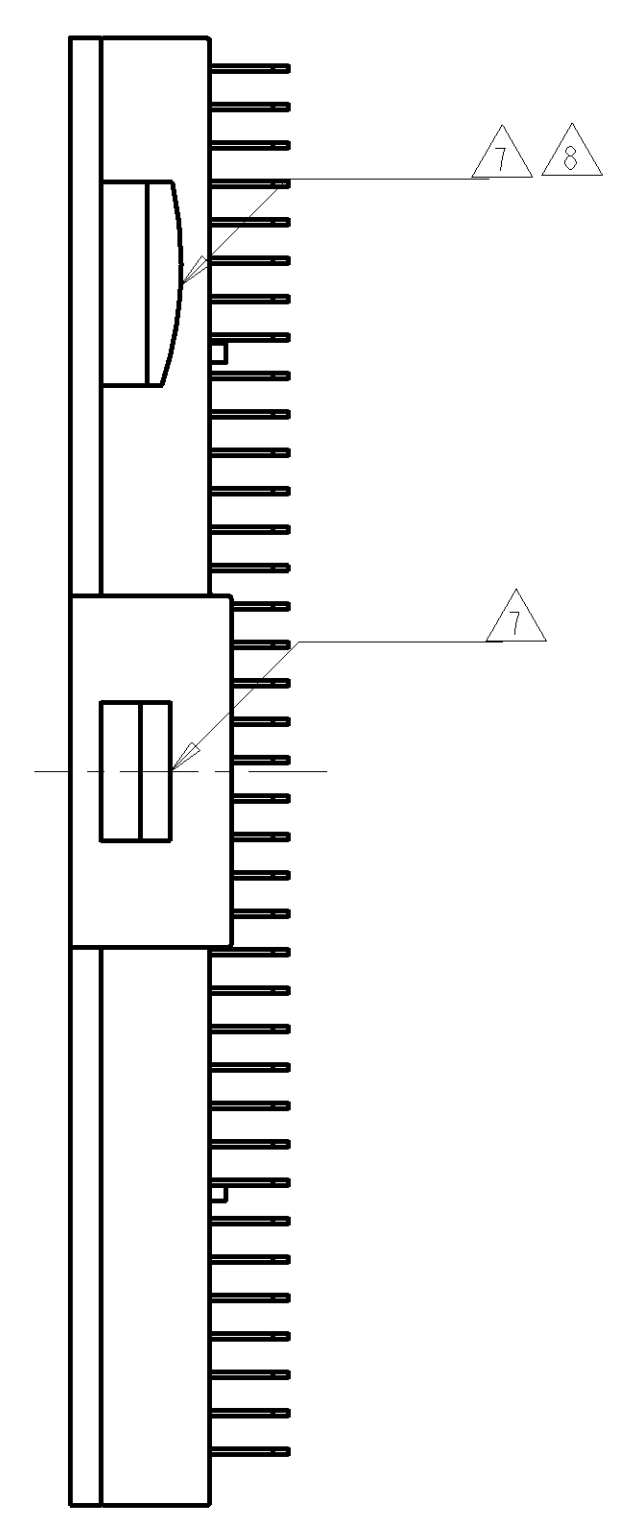
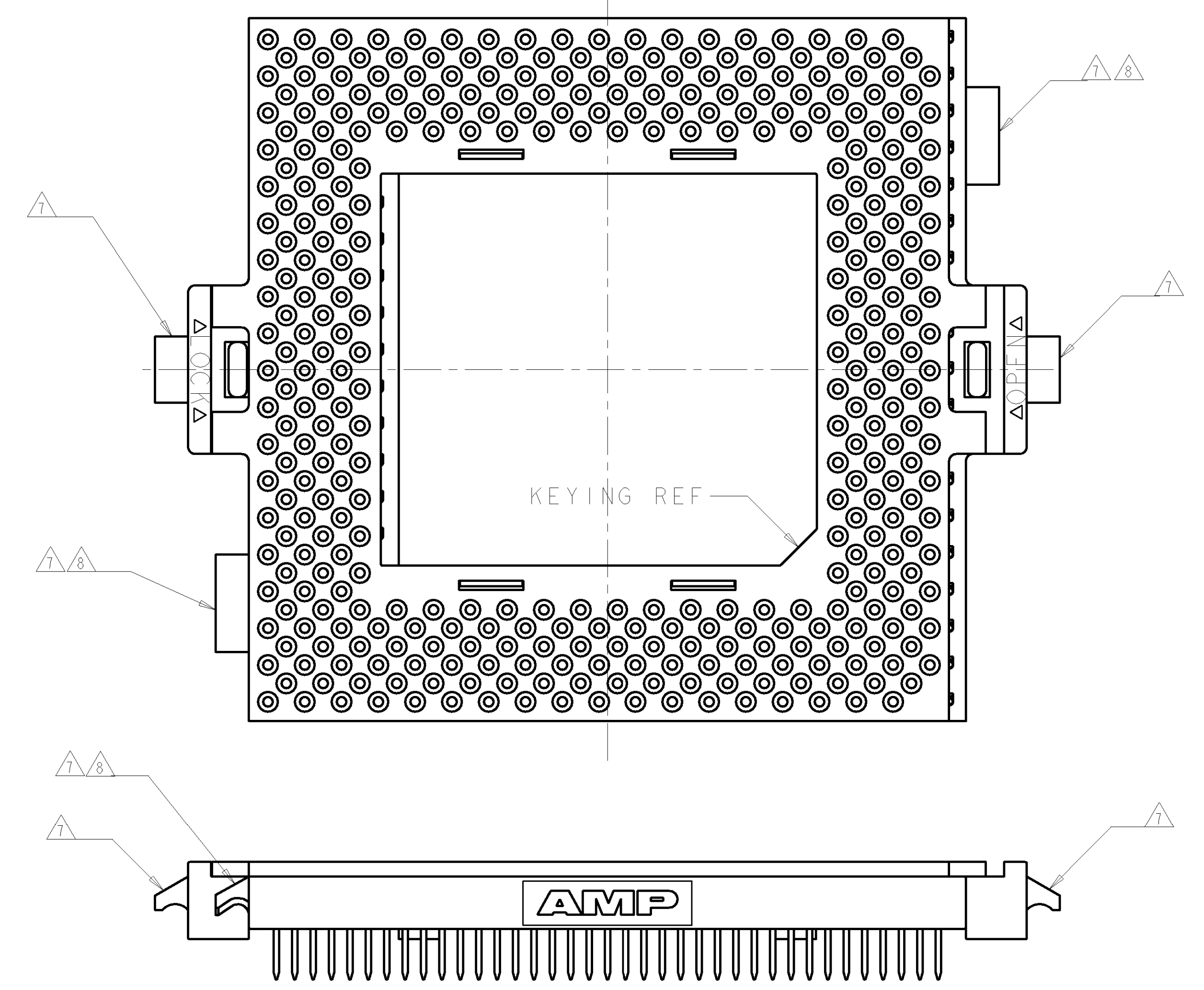
LOC	DIST	REV	DESCRIPTION	DATE	BY	APPD
DY			SEE SHEET 1			



▲ 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.		DRW: A. HOLT	DSMA199	AMP AMP MANUFACTURING (SINGAPORE) PTE. LTD.
DIMENSIONS: mm (INCHES)		CHK: B. KUHNLY	DSMA199	
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 ±0.20 (.008)		APPLICATION SPEC: SEE TABLE	SCALE: 4:1	SHEET 4 OF 6
2 PLC ±		WEIGHT: 0.0779g	DRAWING NO: 916783	
3 PLC ±		CUSTOMER DRAWING	REV: P	
4 PLC ±				
ANGLES				

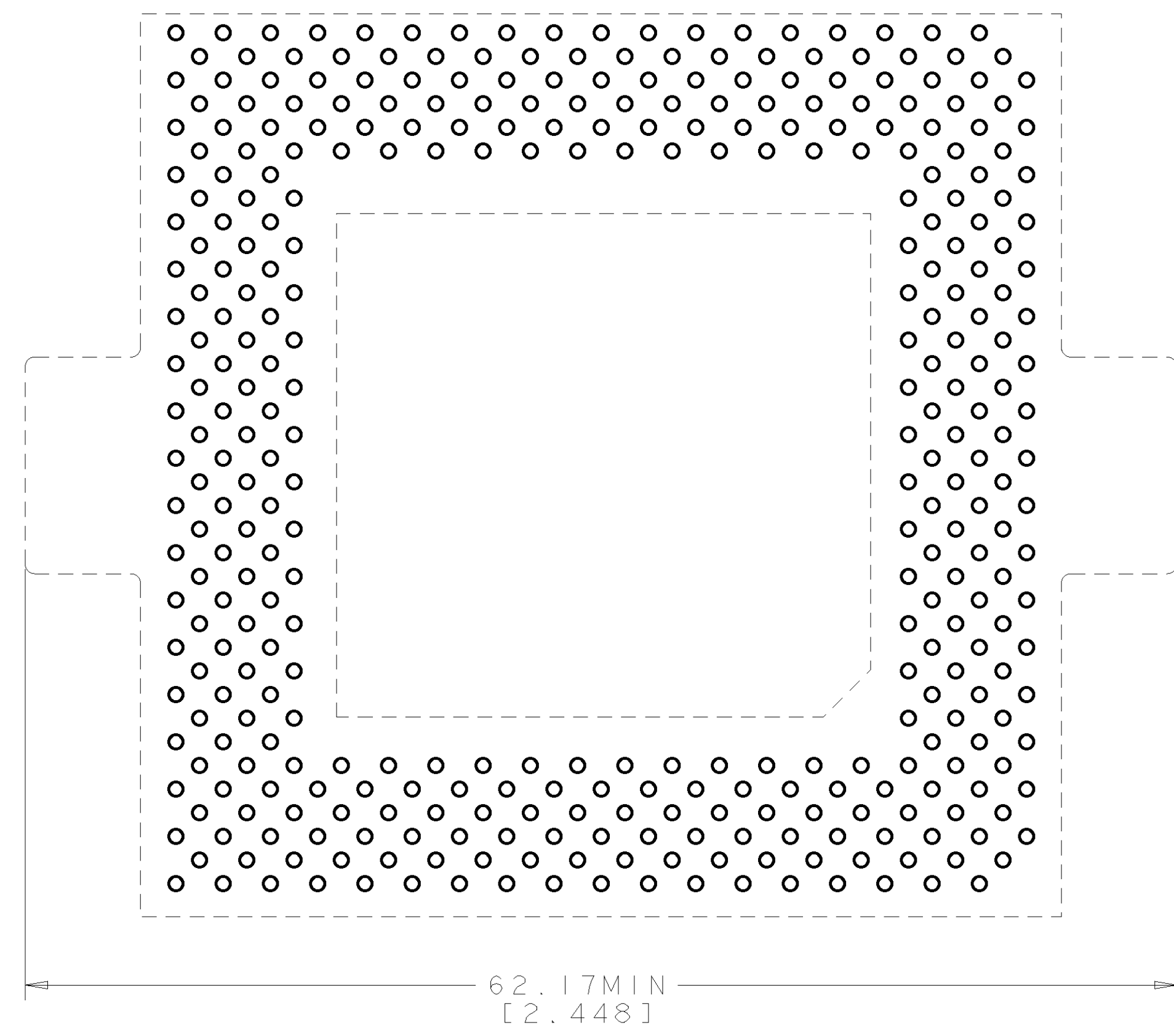
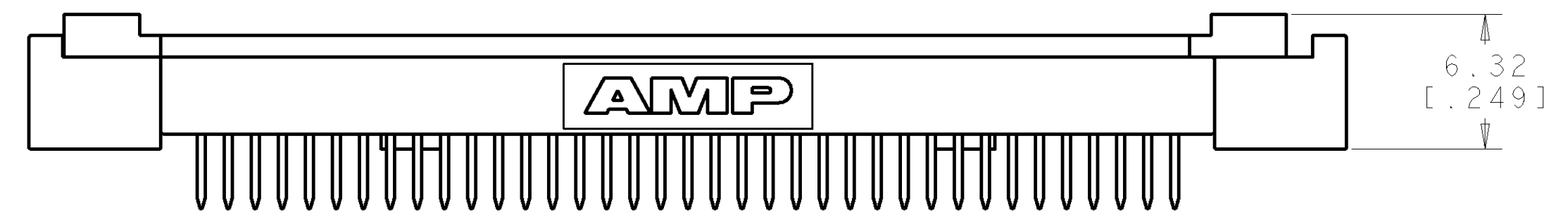
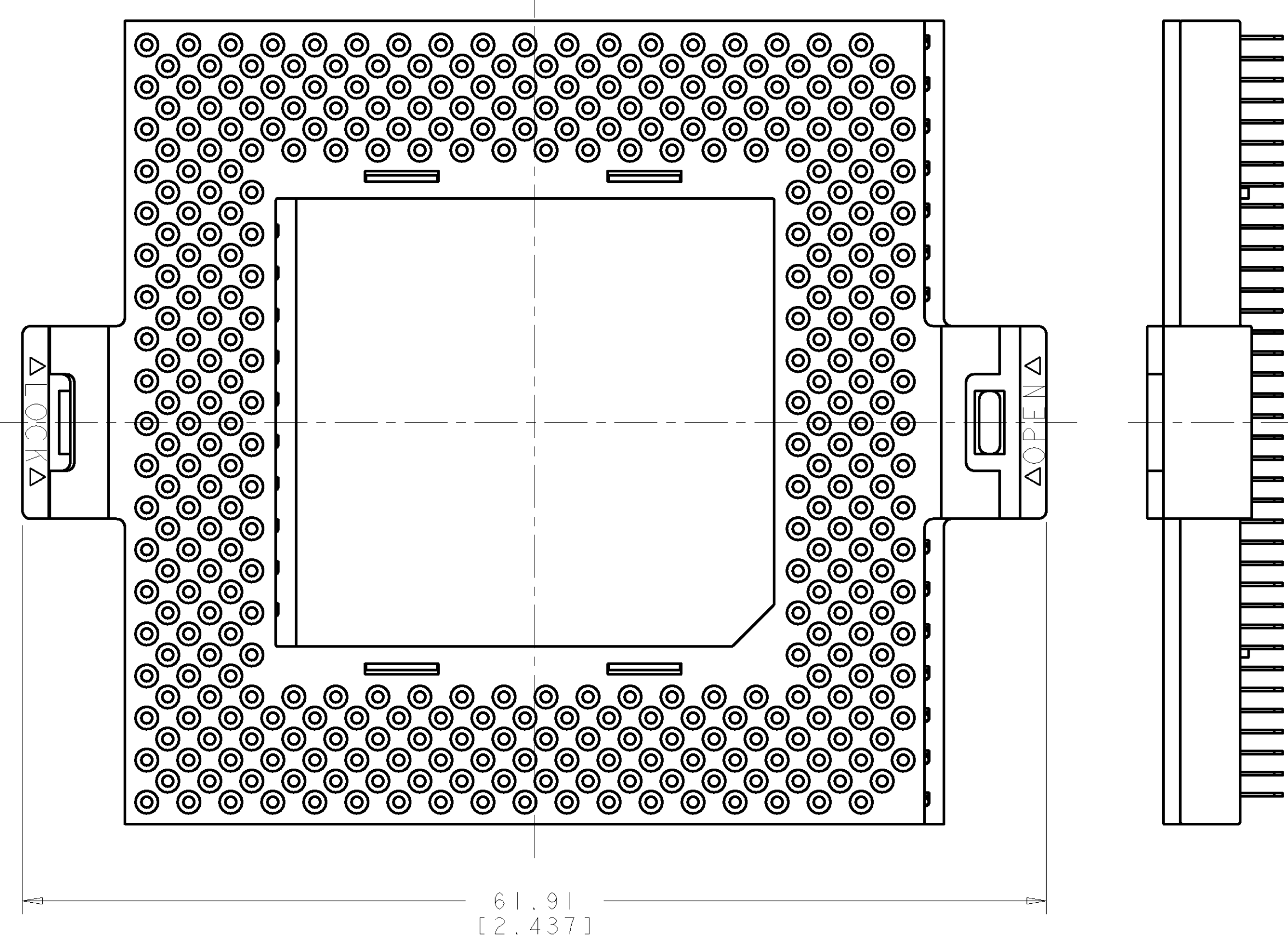


RECOMMENDED PCB HOLE LAYOUT
 PART NUMBERS 5-916783-2, 5-916783-5 AND 5-916783-6
 EXCEPT FOR PATTERN AND ROTATED KEYING
 ALL OTHER DETAILS SAME AS SHEET 4

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

THIS DRAWING IS A CONTROLLED DOCUMENT.		ENR A. HOLT 05M4199	AMP MANUFACTURING (SINGAPORE) PTE. LTD.
DIMENSIONS: mm (INCHES)		CHK B. KUHNLY 05M4199	NAME SOCKET ASSEMBLY, LOW PROFILE, ZIF PGA, 19 X 19 GRID
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APPD S.F. LFONG	PRODUCT SPEC SEE TABLE
0.0125 (±0.0005)		APPROV S.F. LFONG	APPLICATION SPEC SEE TABLE
0.025 (±0.001)		MATERIAL AL	SIZE A1
0.050 (±0.002)		FINISH 2	SCALE 4:1
0.100 (±0.004)		WEIGHT CUSTOMER DRAWING	RESTRICTED TO REV P
0.150 (±0.006)		SCALE 4:1	SHEET 5 OF 6
0.200 (±0.008)		DRAWING NO 916783	REV P

LOC	DIST	REVISIONS			
		REV	DATE	BY	APPD
DY		-	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.		DRN A. HOLT	SINAROO	AMP AMP MANUFACTURING (SINGAPORE) PTE. LTD.
DIMENSIONS: mm (INCHES)		CHK B. KUHNLY	SINAROO	
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APPD SEI L'ONG	NAME	SOCKET ASSEMBLY, LOW PROFILE, ZIF PGA, 19 X 19 GRID
0.150 ±		PRODUCT SPEC	SEE TABLE	
0.250 ±		APPLICATION SPEC	SEE TABLE	RESTRICTED TO
0.500 ±		SIZE	A1	00779
0.750 ±		SCALE	4:1	SHEET 6 OF 6
0.750 ±		WEIGHT	916783	REV P
MATERIAL		CUSTOMER DRAWING		