REVISION C

### RECOMMENDED MATING PCB LAYOUT FOR ZA8-XX-X-X.XX-X-XX-X

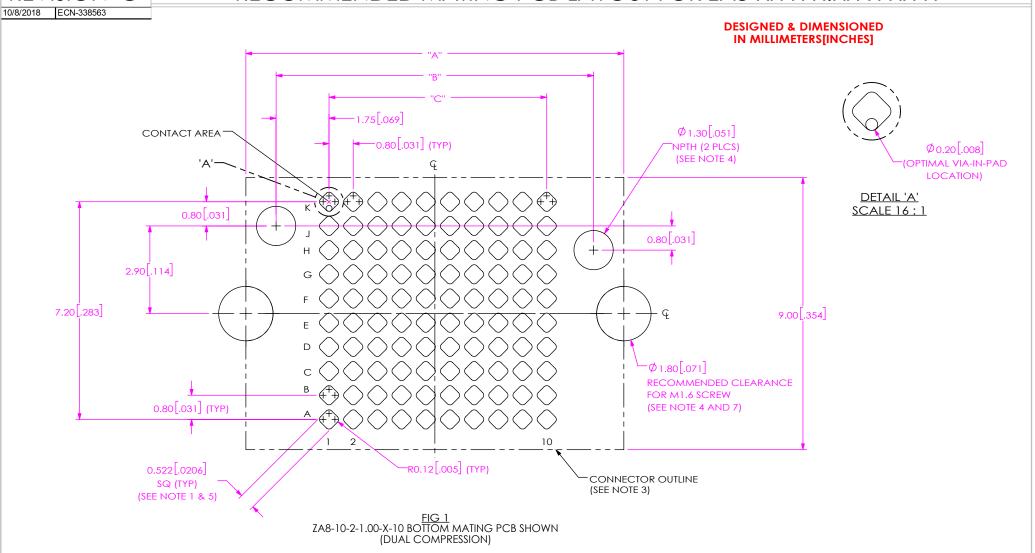


	TABLE 1			
No OF				
POS	"A"	"B"	"C"	
-10	12.50 [.492]	10.50 [.413]	7.200 [.2835]	
-20	20.50 [.807]	18.50 [.728]	15.200 [.5984]	
-30	31.70 [1.248]	29.70 [1.169]	26.400 [1.0394]	
-40	39.70 [1.563]	37.70 [1.484]	34.400 [1.3543]	

#### NOTES:



1. COMPRESSION SIDE PAD PLATING TO BE 0.000762[.000030] GOLD WITH HARDNESS OF 130-200 KNOOP PER ASTM B 488 TYPE 2, GRADE C.

- 2. SOLDER BALL PADS TO HAVE SOLDERABLE SURFACE FINISH.
- 3. COMPRESSION SIDE SOLDER MASK KEEP OUT AREA.
- 4. SEE PRODUCT SPEC SHEET AND ZAX MATED DOCUMENT FOR HARDWARE RECOMMENDATIONS.
- 5. COMPRESSION PCB PAD COPLANARITY TO BE 0.05[.002] MAXIMUM ACROSS EACH ARRAY FIELD.
- 6. RECOMMENDED PLACEMENT FOR 1.587[.0625] THICK MATING PCB.
- 7. IF NON-SAMTEC HARDWARE IS BEING USED, TOLERANCE STUDY MUST BE VERIFIED.

#### F:\dwg\misc\mktg\footprnt\ZA8-XX-X-X.XX-X-XX-FOOTPRINT.SLDDRW PROPRIETARY NOTE

UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN MILLIMETERS. TOLERANCES ARE: DECIMALS ANGLES

X.X: ±0.10 [.004] X.XX: ±0.08 [.003] X.XXX: ±0.025 [.0010]

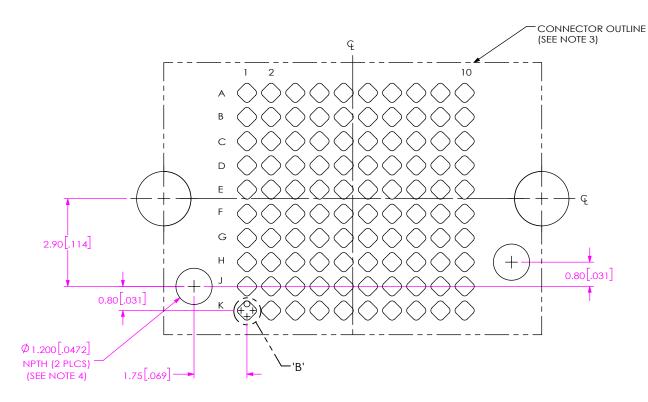
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SHEET 1 OF 6



Ø0.20[.008]
(OPTIMAL VIA-IN-PAD LOCATION)

DETAIL 'B' SCALE 16:1

EIG 2

ZA8-10-2-1.00-X-10 TOP MATING PCB SHOWN
(DUAL COMPRESSION)
(DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG 1)

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REVISION C RECOMMENDED MATING PCB LAYOUT FOR ZA8-XX-X-X.XX-X-XX-X (SEE TABLE 1, SHEET 1) **←** 4.00 [.157] **→** 1.90 .075 Ø1.80[.071] RECOMMENDED CLEARANCE ZA8-30-2-1.00-X-10 BOTTOM MATING PCB SHOWN CONNECTOR OUTLINE FOR M1.6 SCREW (SEE NOTE 3) (SEE NOTE 4) (DUAL COMPRESSION) (DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG 1) (ALSO APPLIES TO ZA8-40) CONNECTOR OUTLINE (SEE NOTE 3) ZA8-30-2-1.00-X-10 TOP MATING PCB SHOWN (DUAL COMPRESSION) PROPRIETARY NOTE THIS DOCUMENT CONTAINS CONFIDENTIAL AND (DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG 2 & 3) PROPRIETARY INFORMATION AND ALL DESIGN, (ALSO APPLIES TO ZA8-40) MANUFACTURING, REPRODUCTION, USE, PATENT RIGHTS AND SALES RIGHTS ARE EXPRESSLY RESERVED BY SAMTED INC. THIS DOCUMENT SHALL NOT BE DISCLOSED, IN WHOLE OR PART TO ANY LINALITHORIZED PERSON OR ENTITY NOR 520 PARK EAST BLVD, NEW ALBANY, IN 47150 REPRODUCED, TRANSFERRED OR INCORPORATED IN ANY PHONE: 812-944-6733 FAX: 812-948-5047 OTHER PROJECT IN ANY MANNER WITHOUT THE EXPRESS WRITTEN CONSENT OF SAMTEC, INC.

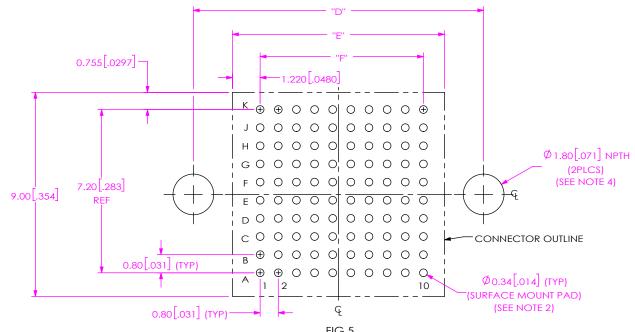
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code 55322 SHEET 3 OF 6

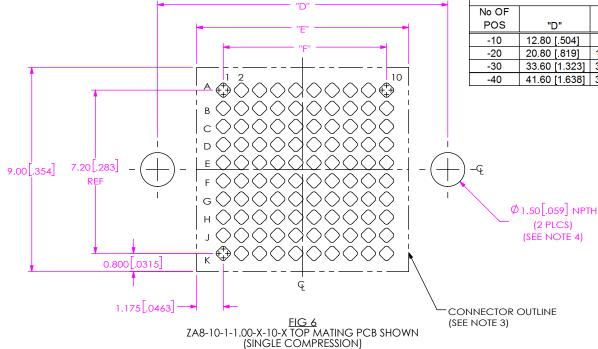
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#### RECOMMENDED MATING PCB LAYOUT FOR ZA8-XX-X-X.XX-X-XX-X



EIG 5 ZA8-10-1-1.00-X-10-X BOTTOM MATING PCB SHOWN (SINGLE COMPRESSION)



(DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG 2)

"F" "E" "G" "H" "J" 9.350 [.3681] 7.200 [.2835] N/A N/A 3.460 [.1362] 7.460 [.2937] 17.350 [.6831] 15.200 [.5984] N/A N/A 30.150 [1.1870] 28.000 [1.1024] 11.20 [.441 18.020 [.7094] N/A 41.60 [1.638] | 38.150 [1.5020] 36.000 [1.4173] 15.20 [.598] 22.020 [.8669] N/A

TABLE 2

 $F:\dwg\mbox{misc}\mbox{mktg}\footprnt\ZA8-XX-X-X.XX-X-X-FOOTPRINT.SLDDRW$ 

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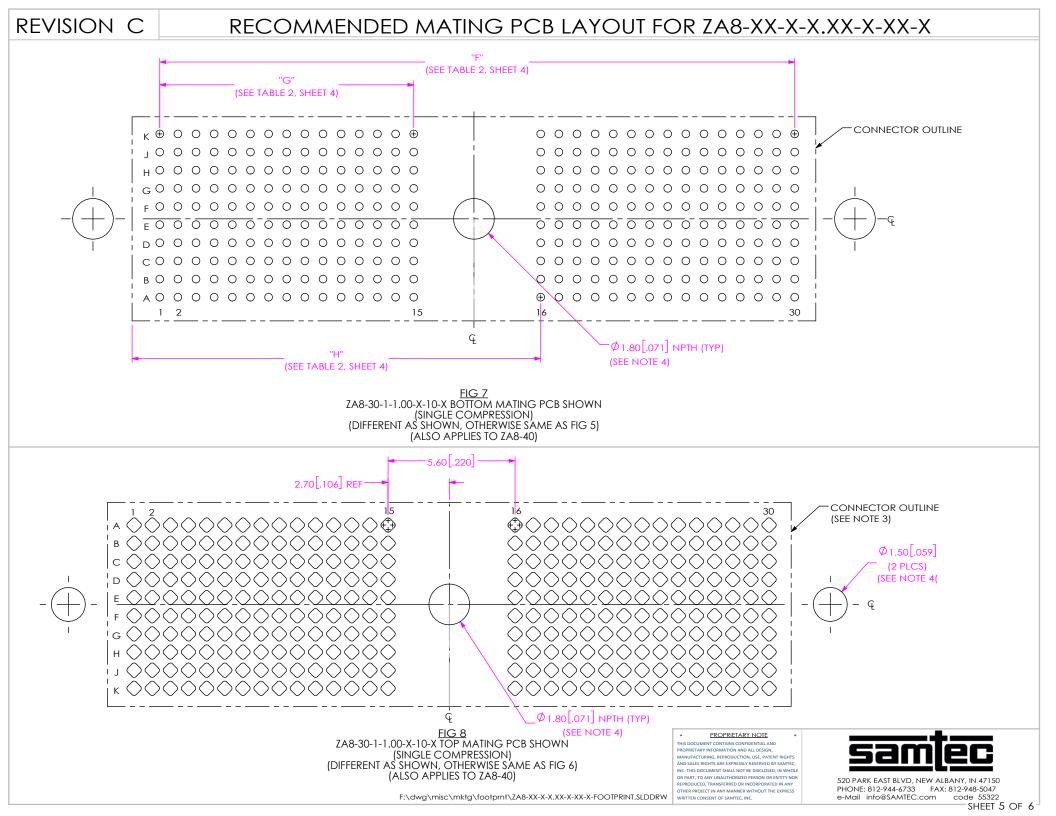
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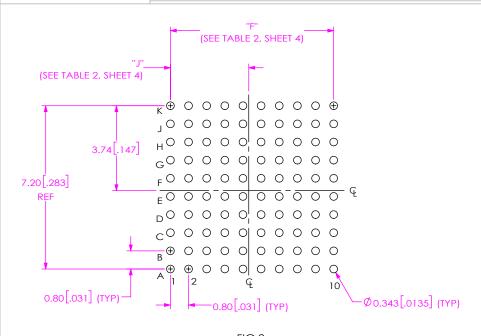
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#### REVISION C

### RECOMMENDED STENCIL LAYOUT FOR ZA8-XX-X-X.XX-X-XX-X



(SEE TABLE 2, SHEET 4) (SEE TABLE 2, SHEET 4) HO O O O O O O O O O O O O O O O O O GO O O O O O O O O O O O O O O O O FO O O O O O O O O O O O O O O O O EOOOOOOOOOOOOOOO DO O O O O O O O O O O O O O O O O O c0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 во о о о о о о о о о о о о о о о о о о 

FIG 10 ZA8-20-1-1.00-X-10-X BOTTOM STENCIL SHOWN (SINGLE COMPRESSION STENCIL)

FIG 9 ZA8-10-1-1.00-X-10-X BOTTOM STENCIL SHOWN (SINGLE COMPRESSION STENCIL)

(SEE TABLE 2, SHEET 4) 5.60 .220 2.66[.105] REF K + O O O O O O O O O O O O O 1000000000000000 0 0 0 0 0 0 0 0 0 0 0 0 0 нооооооооооо 0 0 0 0 0 0 0 0 0 0 0 0 0 6000000000000000 0 0 0 0 0 0 0 0 0 0 0 0 0 FOOOOOOOOOOOO 0 FOOOOOOOOO DOOOOOOOOOOO 0 0 0 0 0 0 0 0 0 0 0 0 0 c000000000000000 0 0 0 0 0 0 0 0 0 0 0 0 0 BOOOOOOOOOOO 0 0 0 0 0 0 0 0 0 0 0 0 0 AOOOOOOOOOOOO 0 0 0 0 0 0 0 0 0 0 0 0 0 30 FIG 11 PROPRIETARY NOTE

STENCIL TO BE 0.127[.0050] THICK.

ZA8-30-1-1.00-X-10-X BOTTOM STENCIL SHOWN (SINGLE COMPRESSION STENCIL) (DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG 9) (ALSO APPLIES TO ZA8-40)

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