REVISION C RECOMMENDED PCB LAYOUT FOR HDTF-4-XX-X-RA-XX-XXX 12/4/2023 ECN-471808 **DESIGNED & DIMENSIONED** IN MILLIMETERS[INCHES] Ø0.36±0.05 [.014±.002] PTH →  $| \oplus |$  0.10 | X | Y Ø0.450±0.130 [.0177±.0051] (DRILLED HOLE) ▶  $- \phi 0.75 \pm 0.13 [.030 \pm .01]$  (PAD) 8.0[.31] 10.7 [.42] 10.7 [.42] (SEE NOTE 5) (SEE NOTE 5) (SEE NOTE 5) -Y-**SEE NOTE 4** 0.68 [.027] REF 'A' — COPPER TIN (SEE TABLE 2 & NOTE 2) **(** (11) ⊕ 11.524 (SEE TABLE 2) ₩ 0 0 .480 (<del>(</del>) (1) (<del>(</del>) HOLE PLATING DETAIL 0 0 0 (0) 11.00 .433 0 ₩ .425 SCALE 12:1 • 0 0 0 0 .382 (0) 0 **(** 0 0 0 **(H)** 8.50 0 0 (11) 0 .291 • 0 .283 19.3 [.76] • 0 0 0 0 (11) 1.240 (SEE NOTE 5) <del>!</del> 0 0 0 0 1.197 (0) 0 0 0 (11) .150 3.80 **(** 0 3.60 .142 2.40 .094 • 0 0 **(H)** 0 11.098 (0) 1.30 .051 **(** 0 0 0 0 (0) 29.4[1.16] REF 0.20 .008 (SEE NOTE 1) 0 0 (H) (11) (0) (0) -X-TABLE 1 0  $\odot$ **(** 1.20 .047 3.80 [.150] "A" COLUMNS **(** 0 0 2.30 .091 MAX 1.50 [.059] REF -04 7.2 [0.283] 10.8 [0.425] -06 3 5 6 -08 14.4 [0.567] (FRONT EDGE OF PCB) -SIGNAL A 1 (SEE NOTE 4) 13.90 [.547] REF CONNECTOR OUTLINE (SEE NOTE 1)

## NOTES:

- 1. CONNECTOR ENVELOPE DIMENSION. OTHER COMPONENTS PLACED ON PCB SHALL AVOID THIS ZONE.
- 2. COPPER PLATING THICKNESS MAY NOT VARY BY MORE THAN 0.02[.001] WITHIN ANY VIA.

FIG 1

(HDTF-4-06-X-RA-XX-XXX FOOTPRINT SHOWN)

- 3. CONTACT SAMTEC FOR CONNECTOR PRESS FIT INSTRUCTIONS AND REQUIRED FIXTURES.
- 4. 1.10[.043] MIN BOARD THICKNESS FOR .450[0.0177] DRILL.
- 5. USE KEEPOUT AREA FOR CONNECTOR REPAIR.
- 6. FOR -HS OPTION, ALL GROUNDS WITHIN A COLUMN ARE COMMON.

## TABLE 2 0.025-0.050 [.0010-.0020] Cu TIN (IMMERSION) 0.001-0.002 [.00004-.00008] Sn 0.025-0.050 [.0010-.0020] NI **ENIG** Au 0.000076-0.000254 [.000003-.000010] C OSP 0.025-0.050 [.0010-.0020] Cu

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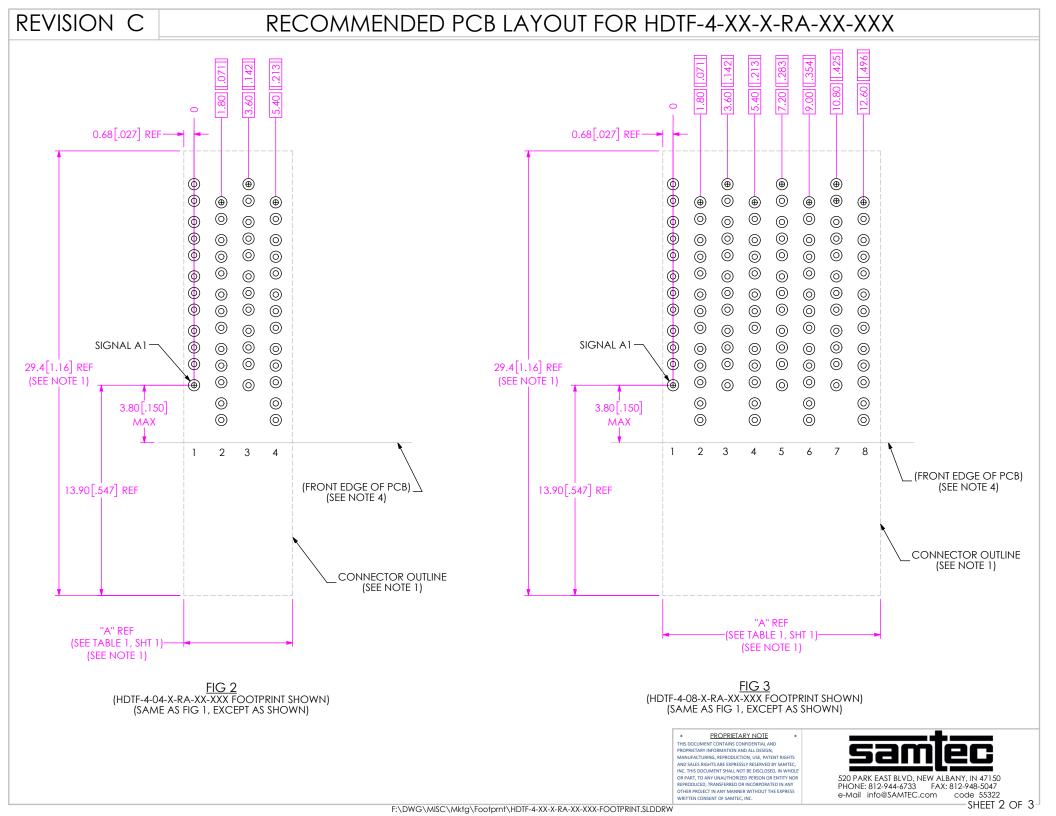


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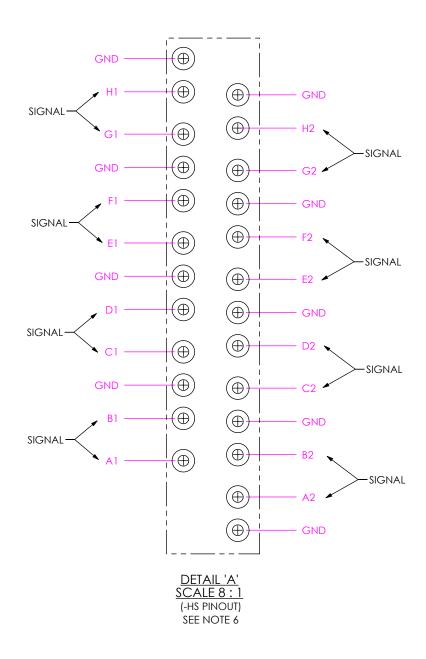
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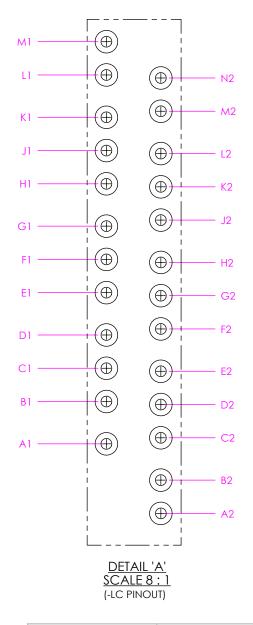
"A" REF

(SEE NOTE 1 & 5)



## RECOMMENDED PCB LAYOUT FOR HDTF-4-XX-X-RA-XX-XXX





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