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SHEET SCALE: 1:1



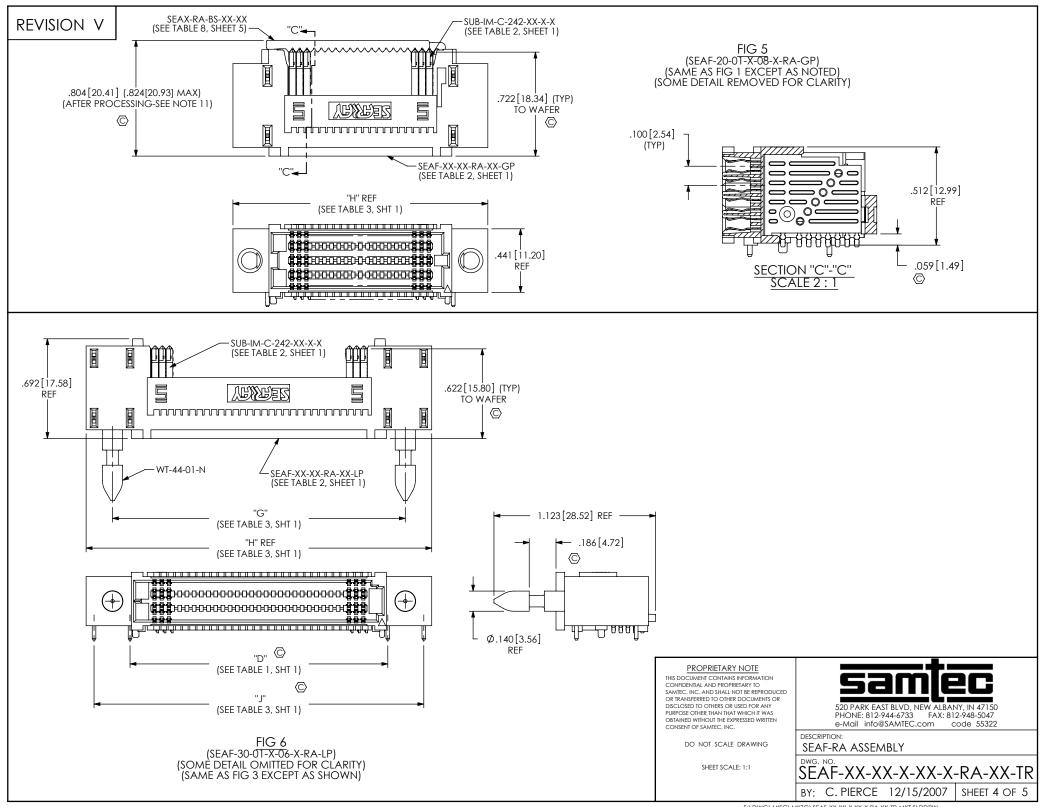
520 PARK EAST BLVD, NEW ALBANY, IN 47150 PHONE: 812-944-6733 FAX: 812-948-5047 e-Mail info@SAMTEC.com code 55322

DESCRIPTION:

SEAF-RA ASSEMBLY

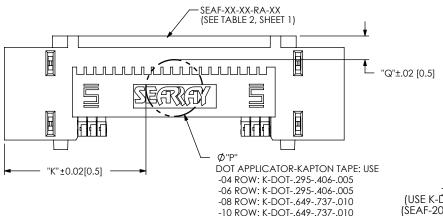
SEAF-XX-XX-X-XX-X-RA-XX-TR

BY: C. PIERCE 12/15/2007 | SHEET 3 OF 5



REVISION V

| | TABLE 5 | | | | | | | | | | | | | | | | | |
|------|---------|---------|-------|---------|-------------------|--------------|---------------|---------------------|--------------|--------------|---------------------|---------------|--------------|---------------|---------------|---------------|------|--------|
| ROWS | " | L" | "Р" ф | | "K" NO -GP OPTION | | | "K" WITH -GP OPTION | | | "K" WITH -LP OPTION | | | | "Q | !" | | |
| | | | | | 20 POS | 30 POS | 40 POS | 50 POS | 20 POS | 30 POS | 40 POS | 50 POS | 20 POS | 30 POS | 40 POS | 50 POS | | |
| -04 | .276 | [7.01] | .295 | [7.49] | .538 [13.65] | .788 [20.00] | 1.038 [26.35] | 1.288 [32.70] | .738 [18.73] | .988 [25.08] | 1.238 [31.43] | 1.488 [37.78] | N/A | N/A | N/A | N/A | .124 | [3.15] |
| -06 | .376 | [9.55] | .295 | [7.49] | .538 [13.65] | .788 [20.00] | 1.040 [26.40] | 1.288 [32.70] | .738 [18.73] | .988 [25.08] | 1.238 [31.43] | 1.488 [37.78] | .803 [20.38] | 1.053 [26.73] | 1.303 [33.08] | 1.553 [39.43] | .124 | [3.15] |
| -08 | .483 | [12.27] | .649 | [16.48] | .361 [9.16] | .611 [15.51] | .861 [21.86] | 1.111 [28.21] | .561 [14.24] | .811 [20.59] | 1.061 [26.94] | 1.311 [33.29] | N/A | N/A | N/A | N/A | .030 | [0.76] |
| -10 | .583 | [14.81] | .649 | [16.48] | .361 [9.16] | .611 [15.51] | .861 [21.86] | 1.111 [28.21] | .561 [14.24] | .811 [20.59] | 1.061 [26.94] | 1.311 [33.29] | N/A | N/A | N/A | N/A | .030 | [0.76] |



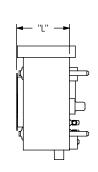
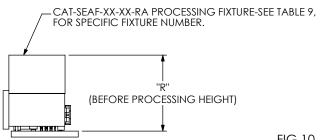


FIG 8 -K OPTION (USE K-DOT-.XXX-.XXX-.XXX) (SEAF-20-01-X-04-X-RA-GP-K)



| FIG 10 |
|---------------------------------|
| SEAF-RA PROCESSING FIXTURE |
| (USE CAT-SEAF-XX-XX-RA FIXTURE) |

| TABLE 7 | | | | | | |
|------------------------------|--------------|--|--|--|--|--|
| ROW | "R" | | | | | |
| -04 | N/A | | | | | |
| **-06 | .792 [20.12] | | | | | |
| -08 | .892 [22.66] | | | | | |
| -10 | .992 [25.20] | | | | | |
| (** = NOT ENGINEERING APPVD) | | | | | | |

NOTE:

FIG 8, DIMENSION "R" INDICATES CONNECTOR/FIXTURE HEIGHT ON PCB. TO GUARANTEE ENOUGH REFLOW OVEN WORKING SPACE, DIMENSION "R", PCB THICKNESS, AND THE HEIGHT OF THE COMPONENTS ON THE OPPOSITE SIDE OF THE BOARD NEED TO BE CONSIDERED.

| TABLE 9 | | | | | | |
|-----------------------------------|-----------|-------------|--|--|--|--|
| SEARAY [™] FIXTURE TOOLS | | | | | | |
| PART NUMBER | POSITIONS | ROW | | | | |
| CAT-SEAF-20-01-RA | 20 | -08 AND -10 | | | | |
| CAT-SEAF-30-01-RA | 30 | -08 AND -10 | | | | |
| CAT-SEAF-40-01-RA | 40 | -08 AND -10 | | | | |
| CAT-SEAF-50-01-RA | 50 | -08 AND -10 | | | | |

(SEE TABLE 8) AFTER APPLYING BACKSTRAP HEAT STACK IN THIS AREA TO MAKE PERMANENT

FIG 11 HEAT STAKING BACKSTRAP

| TABLE 8 | | | | |
|-----------|------------------|--|--|--|
| No. OF | "BACKSTRAP" | | | |
| POSITIONS | | | | |
| -20 | SEAX-RA-BS-20-01 | | | |
| -30 | SEAX-RA-BS-30-01 | | | |
| -40 | SEAX-RA-BS-40-01 | | | |
| -50 | SEAX-RA-BS-50-01 | | | |

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DESCRIPTION:

SEAF-RA ASSEMBLY

DWG. NO. SEAF-XX-XX-X-XX-X-RA-XX-TR

BY: C. PIERCE 12/15/2007 SHEET 5 OF 5