#### REVISION B RECOMMENDED PCB LAYOUT FOR SIR1-XX-X-S-X-X-TR 12/11/2016 ECN-291025 **DESIGNED & DIMENSIONED** IN INCHES[MILLIMETERS] (SEE NOTE 2) (SEE NOTE 2) Ø.028[0.71] PTH (4 PLCS) (TO BE SOLDERED USING PASTE-IN-HOLE TECHNOLOGY) .100 [2.54] (TYP) CONNECTOR OUTLINE (SEE NOTE 2) .052[1.32] (TYP) .080 [2.03] CONNECTOR OUTLINE -.036 [0.91] (SEE NOTE 2) (-E & -M OPTIONS ONLY) .200 | 5.08 | (NOT TOOLED) .089[2.25] .172[4.36] (SEE NOTE 2) FRONT EDGE OF PRINTED CIRCUIT **BOARD** .008[0.21] FIG 1 (SIR1-03-X-<del>S-X-A-T</del>R SHOWN) (FOR POSITIONS -03, -05, -07, -10, & -15) **B** "A" (SEE NOTE 2) "B" (SEE NOTE 2) <sup>25</sup> 01 Ø.028[0.71] PTH (6 PLCS) (TO BE SOLDERED USING .100[2.54] (TYP) PASTE-IN-HOLE TECHNOLOGY) NOTES: 1. ALL DIMENSIONS ARE SYMMETRIC ABOUT THE CENTERLINE, EXCEPT AS SHOWN. 2. CONNECTOR ENVELOPE DIMENSIONS. OTHER COMPONENTS PLACED ON PCB SHALL AVOID THIS ZONE. TABLE 1 FIG 2 (SIR1-25-X-5-X-A-TR SHOWN) "B" "C" "F" "F" No. OF POS "A" "D" "G" .340 [8.64] -03 .880 [22.35] .400 [10.16] .200 [5.08] N/A N/A N/A (SAME AS FIG 1, EXCEPT AS SHOWN) (FOR POSITIONS -20, -25, & -30) .600 [15.24] .540 [13.72] -05 1.080 [27.43] .400 [10.16] N/A N/A N/A (NOT TOOLED) .740 [18.80] N/A N/A N/A В -07 1.280 [32.51] .800 [20.32] .600 [15.24]

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1.040 [26.42] -10 1.580 [40.13] 1.100 [27.94] .900 [22.86] N/A N/A N/A -15 1.540 [39.12] N/A N/A N/A 2.080 [52.83] 1.600 [40.64] 1.400 [35.56] \*-20 2.140 [54.36] 2.680 [68.07] 2.200 [55.88] 2.000 [50.80] 1.070 [27.18] 1.100 [27.94] .900 [22.86] \*-25 2.640 [67.06] 1.370 [34.80] 3.180 [80.77] 2.700 [68.58] 2.500 [63.50 1.400 [35.56] 1.200 [30.48] 3.000 [76.20] \*-30 3.680 [93.47] 3.200 [81.28] 3.140 [79.76] 1.570 [39.88] 1.600 [40.64] 1.400 [35.56] = NOT TOOLED)

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SHEET 1 OF 3

# RECOMMENDED STENCIL LAYOUT FOR SIR1-XX-X-S-X-X-TR REVISION B NOTE: STENCIL TO BE .0060[.152] THICK. .100[2.54] (TYP) .052[1.32] (TYP) $\emptyset$ .059[1.50] (4 PLCS) .036[0.91] .089 [2.25] FIG 3 (SIR1-03-X-S-X-A-TR SHOWN) (FOR POSITIONS -03, -05, -07, -10, & -15) .100[2.54] (TYP) Ø.059[1.50] (6 PLCS)



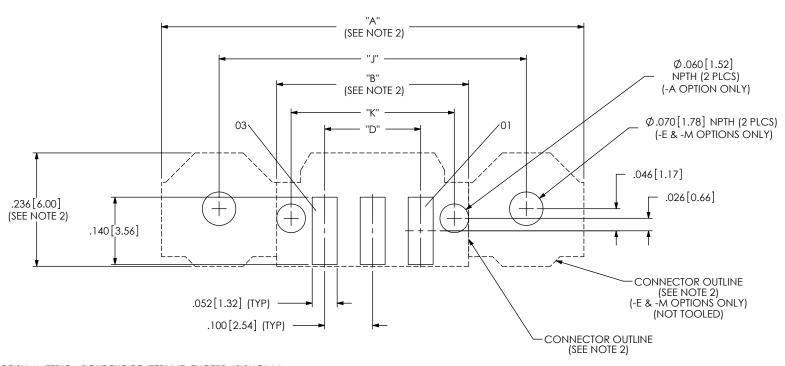
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## REVISION B

## RECOMMENDED MATING CARD LAYOUT FOR SIR1-XX-X-S-X-X-TR



### NOTES:

- 1. ALL DIMENSIONS ARE SYMMETRIC ABOUT THE CENTERLINE, EXCEPT AS SHOWN. 2. CONNECTOR ENVELOPE DIMENSIONS. OTHER COMPONENTS
- PLACED ON PCB SHALL AVOID THIS ZONE.
- 3. PLATING TO BE .000030 INCHES GOLD WITH A HARDNESS OF 130-200 KNOOP PER ASTM B 488 TYPE 2, GRADE C.

FIG 5 (SIR1-03-X-S-X-A-TR SHOWN) (FOR POSITIONS -03, -05, ,-07, -10, & -15)

| TABLE 2    |               |               |
|------------|---------------|---------------|
| No. OF POS | "J"           | "K"           |
| -03        | .640 [16.26]  | .340 [8.64]   |
| -05        | .840 [24.56]  | .540 [13.72]  |
| -07        | 1.040 [26.42] | .740 [18.80]  |
| -10        | 1.340 [34.04] | 1.040 [26.42] |
| -15        | 1.840 [46.74] | 1.540 [39.12] |
| *-20       | 2.440 [61.98] | 2.140 [54.36] |
| *-25       | 2.940 [74.68] | 2.640 [67.06] |
| *-30       | 3.440 [87.38] | 3.140 [79.76] |

В

(\* = NOT TOOLED)

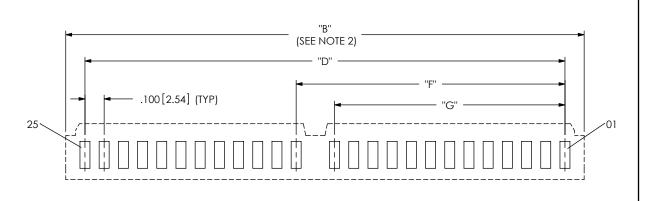


FIG 6 (SIR1-25-X-S-TR SHOWN) (SAME AS FIG 5, EXCEPT AS SHOWN) (FOR POSITIONS -20, -25, & -30) (NOT TOOLED)

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