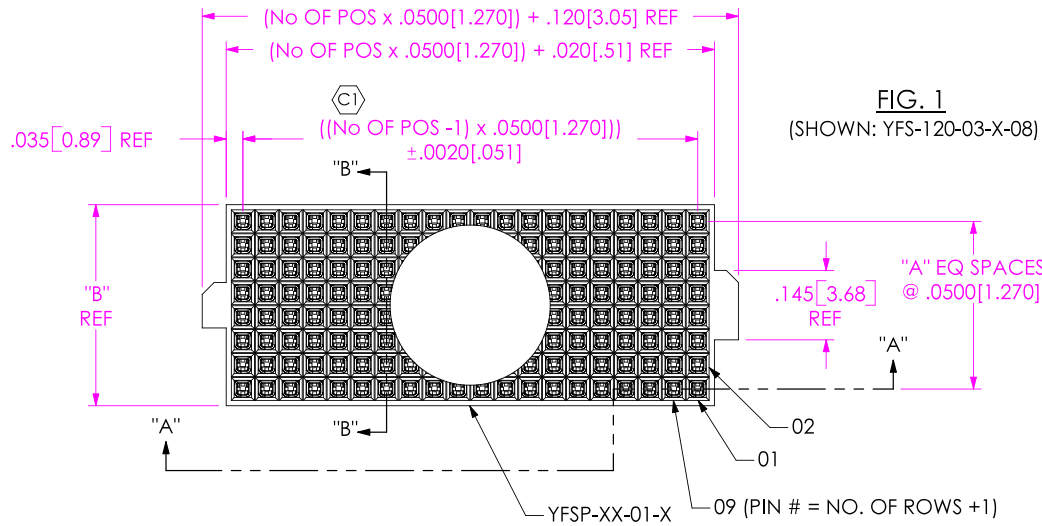
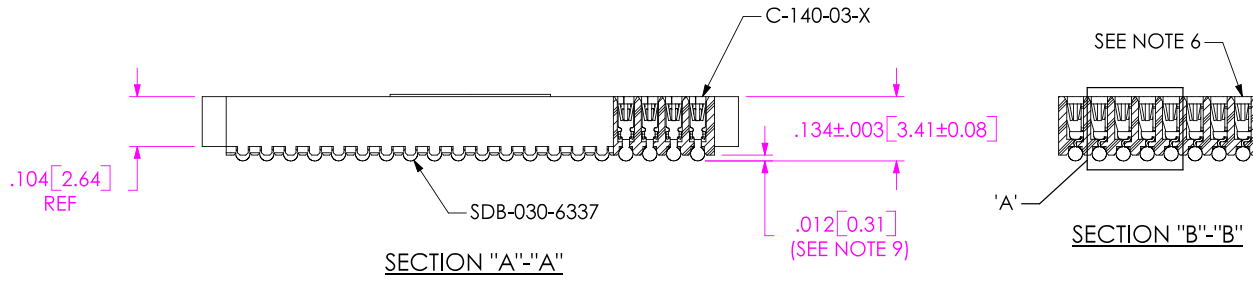


DO NOT SCALE FROM THIS PRINT



- YFS-XX-XX-X-XX-SB-XX
- No OF POSITIONS
-20, -30, -40, -50
(PER ROW)
 - LEAD STYLE
-03: PIN / SOLDERBALLS
(USE C-140-03-X, SEE FIG. 1)
 - PLATING SPECIFICATION
-G: GOLD (USE C-140-03-G)
(SEE NOTE 7)
-H: HEAVY GOLD (USE C-140-03-H)
-E: EXTRA GOLD (USE C-140-03-E)
(SEE NOTE 7)
 - OPTION
-K: KAPTON PAD
(SEE FIG. 2, SHT. 2)
-TR: TAPE & REEL
 - SOLDER BALLS
SDB-030-6337
 - ROW SPECIFICATION
-05: FIVE (USE YFSP-XX-01-F)
-08: EIGHT (USE YFSP-XX-01-E)
-10: TEN (USE YFSP-XX-01-T)
-06: SIX (USE YFSP-XX-01-6)
(AVAILABLE IN 20 POS. ONLY)
-03: THREE (USE YFSP-XX-01-3)
(AVAILABLE IN 20 POS. ONLY)



- NOTES:
1. C REPRESENTS A CRITICAL DIMENSION.
 2. NOTE DELETED.
 3. BURR ALLOWANCE: $.0005[0.013]$ MAX.
 4. MINIMUM PUSHOUT FORCE: .5 LB.
 5. NOTE DELETED.
 6. CONTACT TO BE FLUSH $\pm .002[0.05]$ RECESSED.
 7. ONE REEL MINIMUM PLATING REQUIREMENT (85,000 CONTACTS PER REEL)
 8. ALL DIMS TO BE SYMMETRICAL ABOUT THE CENTERLINE WITHIN $\pm .001[0.03]$.
 9. $.0025[0.064]$ MAX VARIATION BETWEEN SOLDERBALLS.
 10. REFER TO VISUAL INSPECTION BOARD FOR SOLDERBALL APPEARANCE CHECKS.
 11. THE DISTANCE FROM THE CENTER OF ANY SOLDERBALL TO THE CENTER OF ANY ADJACENT INNER PEG SHALL BE $.025 \pm .005[0.64 \pm 0.13]$.
 12. SOLDER JOINTS TO BE INSPECTED PER IPC SPECIFICATION 12.2.12 (IPC-A-610C).

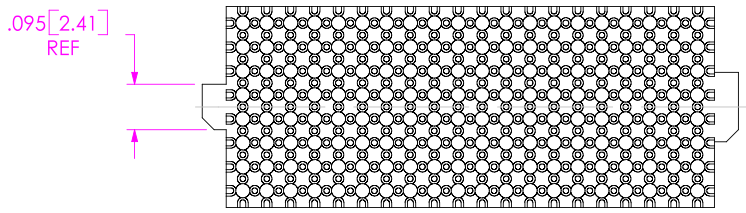


TABLE 1

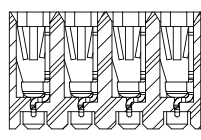
| ROW | "A" | "B" |
|-----|-----|-------------|
| -05 | 4 | .270[6.86] |
| -08 | 7 | .420[10.67] |
| -10 | 9 | .520[13.21] |
| -06 | 5 | .320[8.13] |
| -03 | 2 | .170[4.32] |

TABLE 2 - SOLDERBALL PARTS ONLY

| PART (POSITION) | 20 | 30 | 40 | 50 |
|-----------------|------------|------------|------------|--------------|
| MAX COPLANARITY | .004[0.10] | .007[0.18] | .008[0.20] | .008[0.20] |
| MAX T/B BOW * | .002[0.05] | .002[0.05] | .002[0.05] | .0025[0.064] |

* AFTER SOLDERBALL ATTACHMENT

IN-PROCESS WITHOUT SOLDERBALLS



DETAIL 'A'
SCALE 5:1

UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES.

TOLERANCES ARE:

| | |
|--------------------------|--------|
| DECIMALS | ANGLES |
| .XX: $\pm .01[.3]$ | 2° |
| .XXX: $\pm .005[.13]$ | |
| .XXXX: $\pm .0020[.051]$ | |

PROPRIETARY NOTE
 THIS DOCUMENT CONTAINS INFORMATION CONFIDENTIAL AND PROPRIETARY TO SAMTEC, INC. AND SHALL NOT BE REPRODUCED OR TRANSFERRED TO OTHER DOCUMENTS OR DISCLOSED TO OTHERS OR USED FOR ANY PURPOSE OTHER THAN THAT WHICH IT WAS OBTAINED WITHOUT THE EXPRESSED WRITTEN CONSENT OF SAMTEC, INC.

SAMTEC

520 PARK EAST BLVD, NEW ALBANY, IN 47150
 PHONE: 812.944.6733 FAX: 812.948.5047
 e-Mail: INFO@SAMTEC.COM CODE: 55322

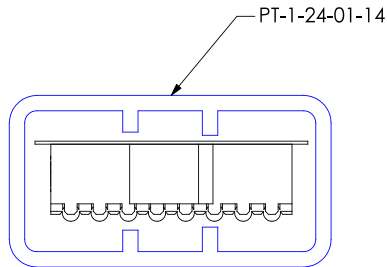
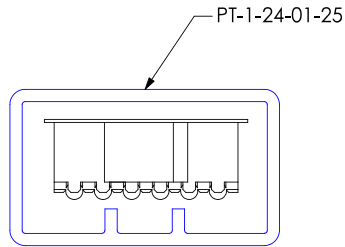
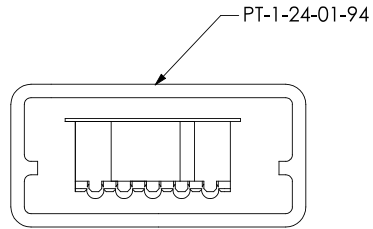
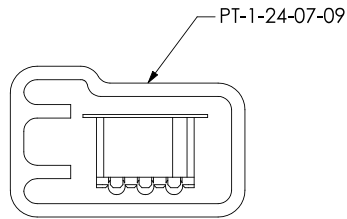
MATERIAL: DO NOT SCALE DRAWING SHEET SCALE: 2.5:1
 INSULATOR: LCP, COLOR: BLACK
 CONTACT: PHOS BRONZE

DESCRIPTION: .050[1.27] MULTI-ROW SOCKET ASM.

DWG. NO. YFS-XX-XX-X-XX-SB-XX

BY: KEVIN B 4/22/99 SHEET 1 OF 2

PACKAGING VIEWS



| TABLE 4 | | |
|----------|----------------|-------|
| ROW SPEC | PACKAGING TUBE | PLUG |
| -05 | PT-1-24-01-94 | TP-09 |
| -08 | PT-1-24-01-14 | TP-07 |
| -10 | PT-1-24-03-75 | TP-09 |
| -06 | PT-1-24-01-25 | TP-03 |
| -03 | PT-1-24-07-09 | TP-24 |

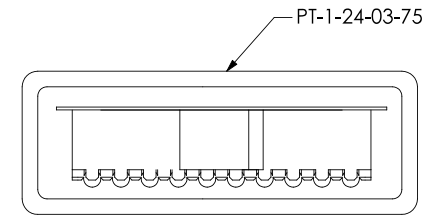
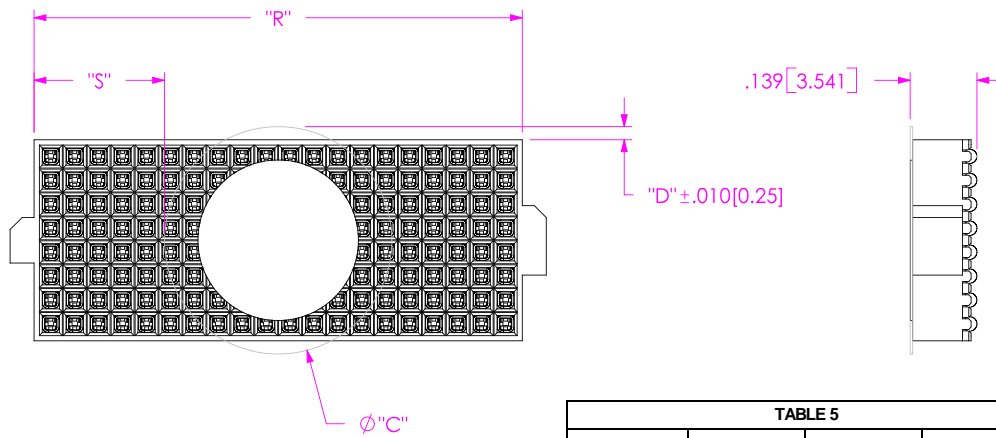


FIG. 2
-K: KAPTON PAD OPTION



$R = (N_o \text{ OF POS} \times .0500 [1.270]) + .020 [.51]$
 $S = ("R" - "C" / 2) \pm .020 [.51]$

| TABLE 5 | | | |
|------------|--------------|------------|-------------|
| ROW OPTION | "C" | "D" | KAPTON TAPE |
| -05 | .305 [7.75] | .018 [.46] | K-850-650 |
| -08 | .475 [12.07] | .028 [.71] | K-850-650 |
| -10 | .575 [14.61] | .028 [.71] | K-850-650 |
| -06 | .354 [9.00] | .017 [.43] | K-850-650 |
| -03 | .217 [5.50] | .024 [.61] | K-500-300 |

PROPRIETARY NOTE
 THIS DOCUMENT CONTAINS INFORMATION CONFIDENTIAL AND PROPRIETARY TO SAMTEC, INC. AND SHALL NOT BE REPRODUCED OR TRANSFERRED TO OTHER DOCUMENTS OR DISCLOSED TO OTHERS OR USED FOR ANY PURPOSE OTHER THAN THAT WHICH IT WAS OBTAINED WITHOUT THE EXPRESSED WRITTEN CONSENT OF SAMTEC, INC.

DO NOT SCALE DRAWING

SHEET SCALE: 2.5:1

F:\DWG\MISC\MKTG\YFS-XX-XX-X-XX-SB-XX-MKT.SLDDRW

SAMTEC

520 PARK EAST BLVD, NEW ALBANY, IN 47150
 PHONE: 812.944.6733 FAX: 812.948.5047
 e-Mail: INFO@SAMTEC.COM CODE: 55322

DESCRIPTION: .050 [1.27] MULTI-ROW SOCKET ASM.

DWG. NO. YFS-XX-XX-X-XX-SB-XX

BY: KEVIN B 4/22/99 SHEET 2 OF 2