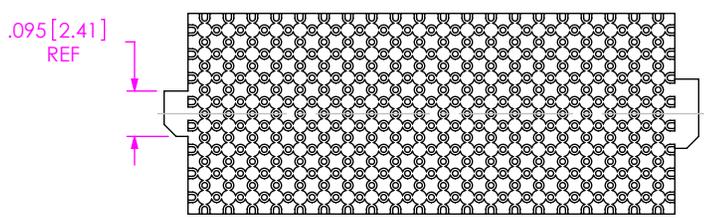
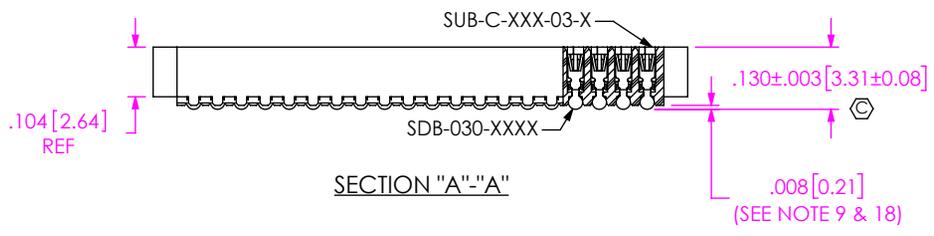
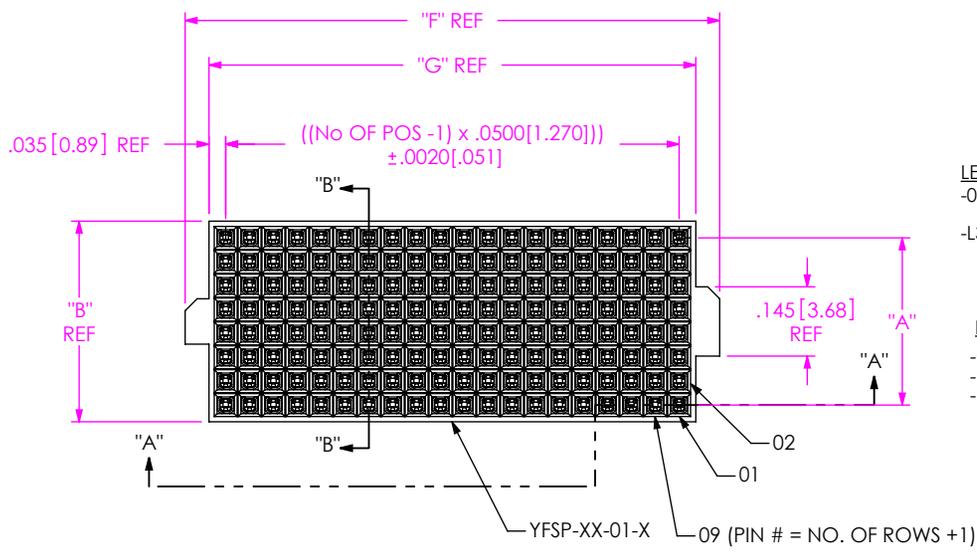


DO NOT SCALE FROM THIS PRINT



- YFS-XX-X3-X-XX-SB-X-XX**
- No OF POSITIONS**
-20, -30, -40, -50 (PER ROW)
 - PACKAGING**
BLANK: TRAY (SEE NOTES 19 & 20)
-TR: TAPE & REEL (SEE NOTES 17, 20 & 21)
-FR: FULL REEL QTY TAPE & REEL (SEE NOTES 17, 20 & 21)
 - PICK & PLACE OPTION**
-K: POLYAMIDE FILM (SEE FIG 2, SHT 2)
 - SOLDER BALLS**
-SB: SOLDER BALL (USE SDB-030-6337) 37% Pb/63% Sn
 - 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) (SEE NOTE 17)
 - LEAD STYLE**
-03: PIN / SOLDERBALLS (USE SUB-C-140-03-X, SEE FIG 1)
-L3: PIN / SOLDERBALLS (LOW INSERTION FORCE) (USE SUB-C-226-03-X)
 - PLATING SPECIFICATION**
-G: GOLD (USE SUB-C-XXX-03-G)
-H: HEAVY GOLD (USE SUB-C-XXX-03-H)
-E: EXTRA GOLD (USE SUB-C-XXX-03-E)

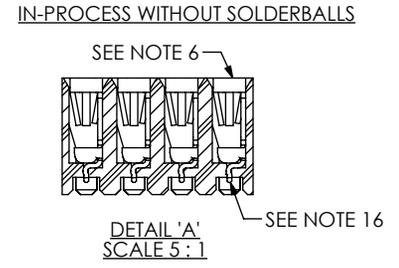
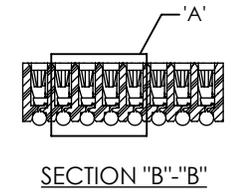


TABLE 1

| ROW | "A" | "B" |
|-----|----------------|---------------|
| -03 | .1000 [2.540] | .170 [4.318] |
| -05 | .2000 [5.080] | .270 [6.858] |
| -06 | .2500 [6.350] | .320 [8.128] |
| -08 | .3500 [8.890] | .420 [10.668] |
| -10 | .4500 [11.430] | .520 [13.208] |

TABLE 3

| POS | "F" | "G" |
|-----|---------------|---------------|
| -20 | 1.120 [28.45] | 1.020 [25.91] |
| -30 | 1.620 [41.15] | 1.520 [38.61] |
| -40 | 2.120 [53.85] | 2.020 [51.31] |
| -50 | 2.620 [66.55] | 2.520 [64.01] |

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

NOTES:

- REPRESENTS A CRITICAL DIMENSION.
- NOTE DELETED.
- MAXIMUM BURR ALLOWANCE: .0005[0.013]
- MINIMUM PUSHOUT FORCE: .5 LB.
- NOTE DELETED.
- CONTACT TO BE FLUSH ±.002[0.05]. TO BE MEASURED AT ALL FOUR CORNERS.
- NOTE DELETED.
- ALL DIMS TO BE SYMMETRICAL ABOUT THE CENTERLINE WITHIN ±.001[0.03].
- .0025[0.064] MAX VARIATION BETWEEN SOLDERBALLS.
- REFER TO VISUAL INSPECTION BOARD FOR SOLDERBALL APPEARANCE CHECKS.
- THE DISTANCE FROM THE CENTER OF ANY SOLDERBALL TO THE CENTER OF ANY ADJACENT INNER PEG SHALL BE .025±.005[0.64±0.13].
- NOTE DELETED.
- NO FLASH ALLOWED ON THE PIN TIPS.
- PARTS WITH -03 ROW SPECIFICATION NOT VALID WITHOUT -TR OR -FR OPTION.
- SOLDERBALLS MAY HAVE A FLATTENED SURFACE AND APPEARANCE AFTER REPRESS.
- TRAYS ARE STANDARD PACKAGING.
- ORDERS WILL BE PACKAGED ACCORDING TO THE SAMTEC PACKAGING EFFICIENCY STANDARDS (SPES) FOUND ON WWW.SAMTEC.COM.
- ATTACH LABEL TO EACH REEL.

FIG 1
YFS-20-X3-X-08-SB SHOWN

UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES.
TOLERANCES ARE:
DECIMALS ANGLES
.XX: ±.01[.3] 2°
.XXX: ±.005[.13]
.XXXX: ±.0020[.051]

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DO NOT SCALE DRAWING SHEET SCALE: 2.5:1

MATERIAL:
INSULATOR: LCP, COLOR: BLACK
CONTACT: PHOS BRONZE

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

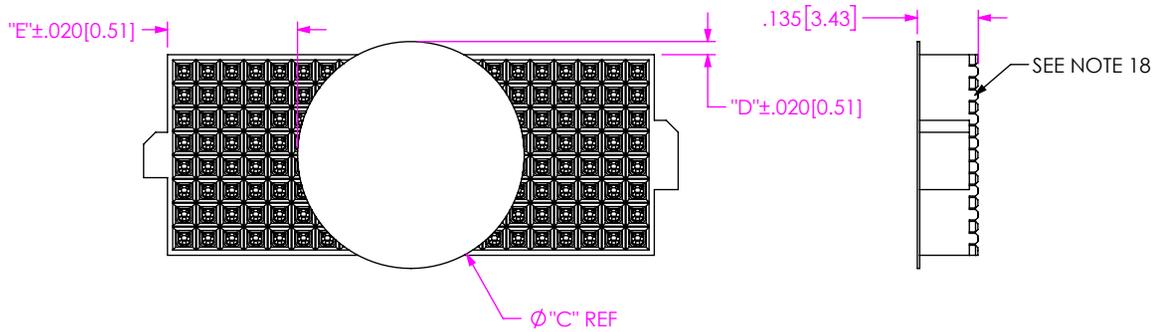
DWG. NO. **YFS-XX-X3-X-XX-SB-X-XX**

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

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

c:\enterprise\vaull\DWG\MISC\MKTG\YFS-XX-X3-X-XX-SB-X-XX-MKT.SLDDRW

FIG 2
 -K: KAPTON PAD
 YFS-20-X3-X-08-SB-K SHOWN



| TABLE 5 | | | | | | | |
|---------|--------------|-------------|-----------------|-----------------|-----------------|-----------------|----------------------|
| ROW | "C" | "D" | "E" | | | | KAPTON TAPE |
| | | | -20 POS | -30 POS | -40 POS | -50 POS | |
| -03 | .217 [5.51] | .024 [0.61] | 0.4015 [10.198] | 0.6515 [16.548] | 0.9015 [22.898] | 1.1515 [29.248] | K-DOT-.217-.313-.005 |
| -05 | .310 [7.87] | .020 [0.51] | 0.3550 [9.017] | 0.6050 [15.367] | 0.8550 [21.717] | 1.1050 [28.067] | K-DOT-.310-.406-.005 |
| -06 | .354 [8.99] | .017 [0.43] | 0.3330 [8.458] | 0.5830 [14.808] | 0.8330 [21.158] | 1.0830 [27.508] | K-DOT-.354-.469-.005 |
| -08 | .475 [12.07] | .028 [0.71] | 0.2725 [6.922] | 0.5225 [13.272] | 0.7725 [19.622] | 1.0225 [25.972] | K-850-650 |
| -10 | .575 [14.61] | .028 [0.71] | 0.2225 [5.652] | 0.4725 [12.002] | 0.7225 [18.352] | 0.9725 [24.702] | K-850-650 |

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DO NOT SCALE DRAWING

SHEET SCALE: 2.5:1

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 e-Mail info@SAMTEC.com code 55322

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

DWG. NO. YFS-XX-X3-X-XX-SB-X-XX

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