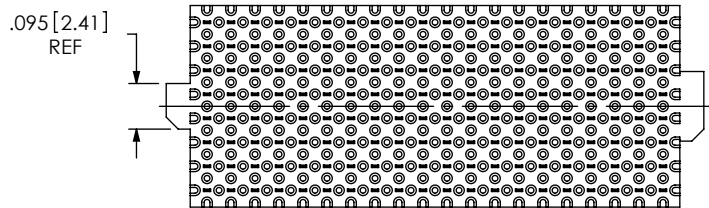
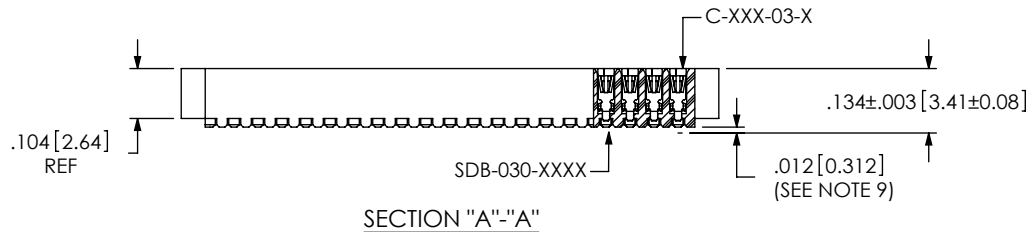
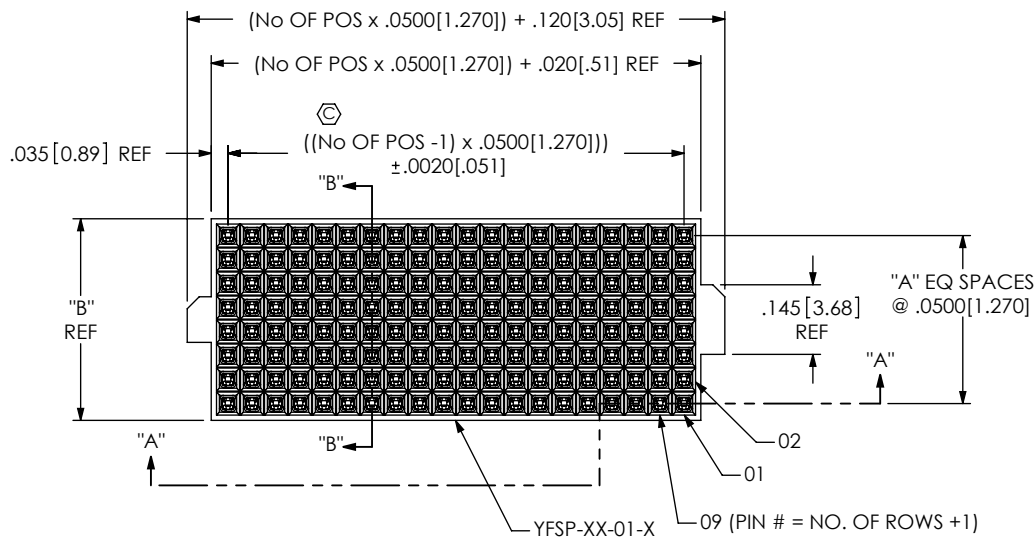


REVISION K

DO NOT  
SCALE FROM  
THIS PRINT



YFS-XX-X3-X-XX-XSB-XX

No OF POSITIONS  
-20, -30, -40, -50  
(PER ROW)

LEAD STYLE  
-03: PIN / SOLDERBALLS  
(USE C-140-03-X, SEE FIG. 1)  
-L3: PIN / SOLDERBALLS  
(LOW INSERTION FORCE)  
(USE C-226-03-X)

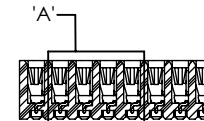
PLATING SPECIFICATION  
-G: GOLD (USE C-XXX-03-G)  
(SEE NOTE 7)  
-H: HEAVY GOLD (USE C-XXX-03-H)  
-E: EXTRA GOLD (USE C-XXX-03-E)  
(SEE NOTE 7)

OPTION  
-K: KAPTON PAD  
(SEE FIG. 2, SHT. 2)  
-TR: TAPE & REEL

SOLDER BALLS  
-SB: SOLDER BALL  
(USE SDB-030-6337)  
\* -MSB: MODIFIED SOLDER BALL  
(USE SDB-030-9653, Pb  
FREE, SEE NOTE 14)

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)

\* = NOT ENGINEERING APPROVED



SECTION "B"-"B"

NOTES:

1. 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 ±.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 ±.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±.005[0.64±0.13].
12. NOTE DELETED.
13. NOTE DELETED.
14. CONTACT SAMTEC CES DEPARTMENT FOR PROCESSING INFORMATION.

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]

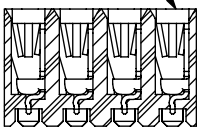
TABLE 2 - SOLDERBALL PARTS ONLY

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

SEE NOTE 6



DETAIL 'A'  
SCALE 5:1

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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CONSENT OF SAMTEC, INC.

MATERIAL: DO NOT SCALE DRAWING

INSULATOR: LCP, COLOR: BLACK  
CONTACT: PHOS BRONZE

SHEET SCALE: 2.5:1

DESCRIPTION:

.050[1.27] MULTI-ROW SOCKET ASM.

DWG. NO.

YFS-XX-X3-X-XX-XSB-XX

BY: KEVIN B

4/22/99

SHEET 1 OF 2

FIG 2  
-K: KAPTON PAD OPTION

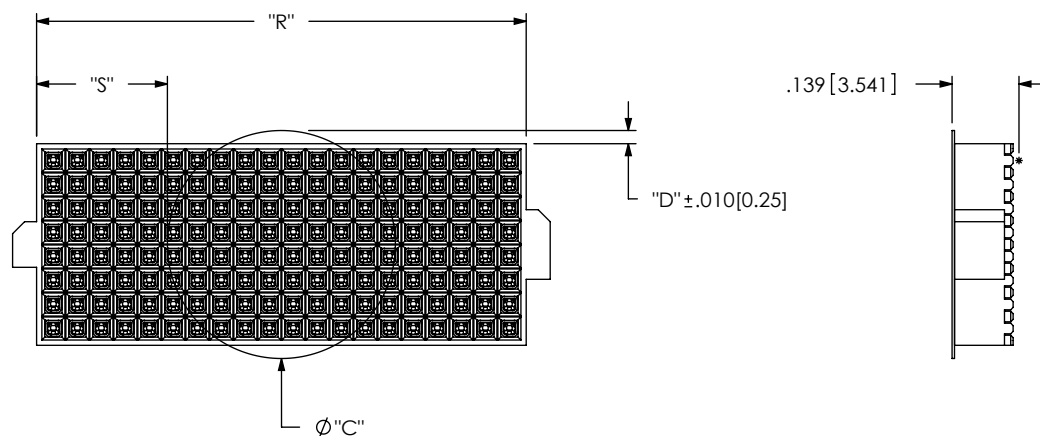


TABLE 5

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

$$R = (\text{No OF POS} \times .0500[1.270]) + .020[.51]$$

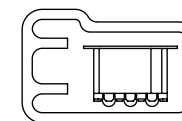
$$S = ("R" - "C" / 2) \pm .020[.51]$$

## PACKAGING VIEWS

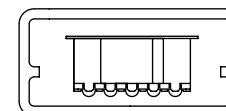
TABLE 4

ROW SPEC	PACKAGING TUBE	PLUG
-05	PT-1-24-01-94	TP-09
-08	PT-1-24-03-75	TP-09
-10	PT-1-24-03-75	TP-09
-06	PT-1-24-01-61	TP-03
-03	PT-1-24-07-09	TP-12

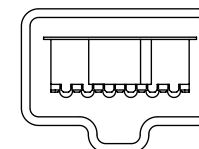
-03



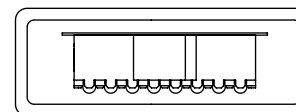
-05



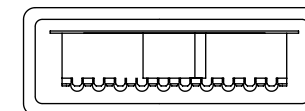
-06



-08



-10



F:\DWG\MISC\MKTG\YFS-XX-X3-X-XX-XSB-XX-MKT.SLDDRW

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SHEET SCALE: 2.5:1

**samtec**

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

DESCRIPTION:	.050[1.27] MULTI-ROW SOCKET ASM.
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DWG. NO. YFS-XX-X3-X-XX-XSB-XX

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