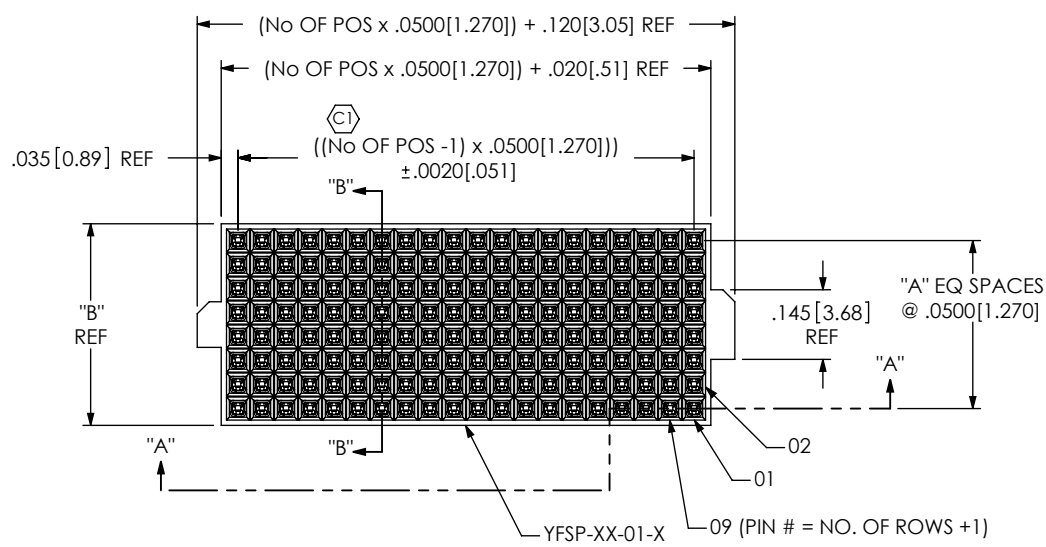


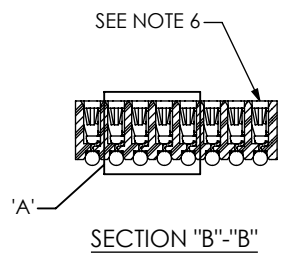
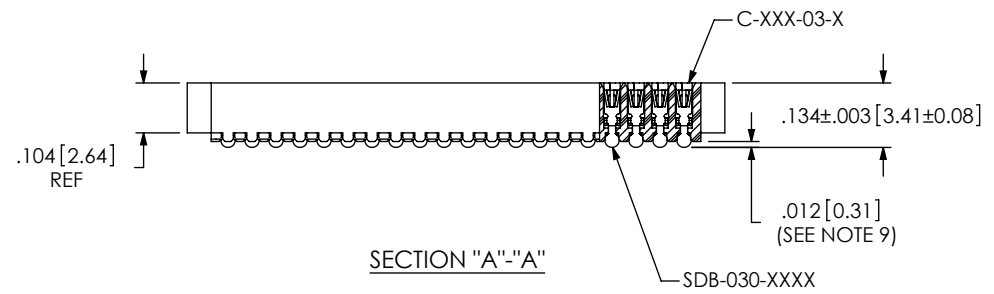
REVISION H

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



- NOTES:
- ⊕ REPRESENTS A CRITICAL DIMENSION.
 - NOTE DELETED.
 - BURR ALLOWANCE: .0005[0.013] MAX.
 - MINIMUM PUSHOUT FORCE: .5 LB.
 - NOTE DELETED.
 - CONTACT TO BE FLUSH ±.002[0.05] RECESSED.
 - ONE REEL MINIMUM PLATING REQUIREMENT (85,000 CONTACTS PER REEL)
 - 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].
 - SOLDER JOINTS TO BE INSPECTED PER IPC SPECIFICATION 12.2.12 (IPC-A-610C).
 - NOTE DELETED
 - CONTACT SAMTEC CES DEPARTMENT FOR PROCESSING INFORMATION.

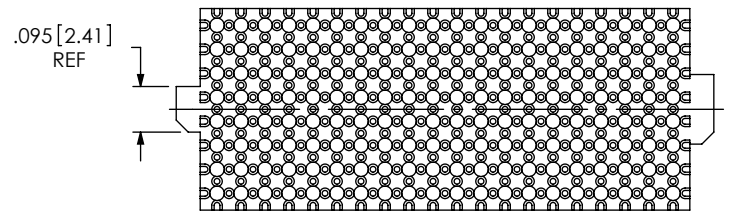


TABLE 1

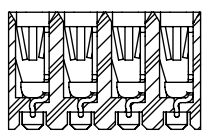
ROW	"A"	"B"
-05	4	.270[6.86]
-08	7	.420[10.67]
-10	9	.520[13.21]
-06	5	.320[8.13]
-03	2	.170[4.32]

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

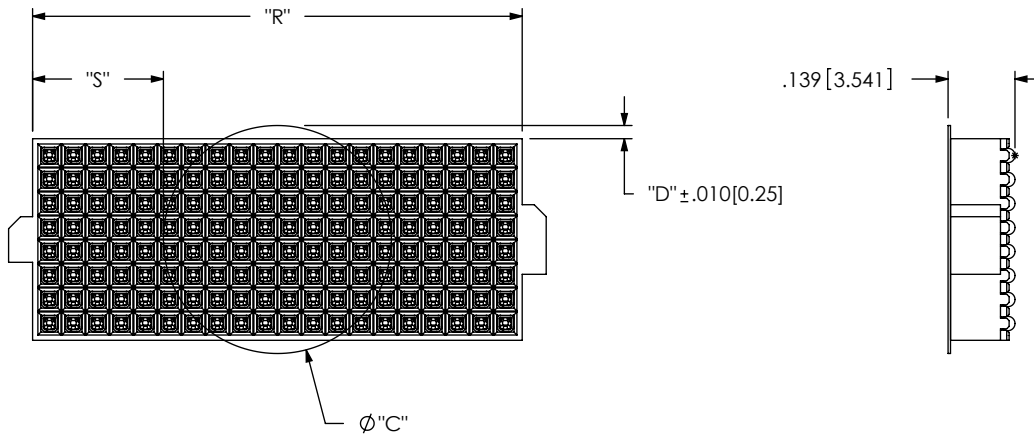
IN-PROCESS WITHOUT SOLDERBALLS



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]	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.		
		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		DESCRIPTION: .050[1.27] MULTI-ROW SOCKET ASM.	
INSULATOR: LCP, COLOR: BLACK CONTACT: PHOS BRONZE		DWG. NO. YFS-XX-X3-X-XX-XSB-XX	
BY: KEVIN B 4/22/99		SHEET 1 OF 2	

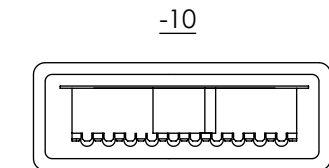
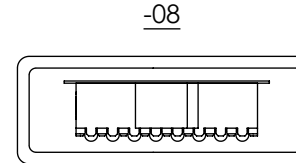
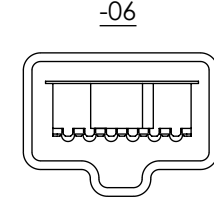
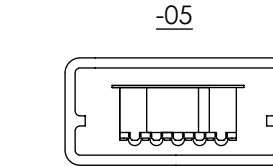
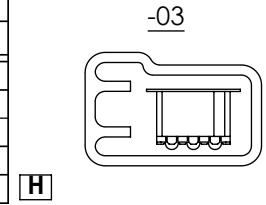
FIG. 2
-K: KAPTON PAD OPTION



$R = (\text{No OF POS} \times .0500[1.270]) + .020[.51]$
 $S = ("R" - "C" / 2) \pm .020[.51]$

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

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



F:\dwg\misc\mktg\YFS-XX-X3-X-XX-XSB-XX-MKT.SLDDRW

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DO NOT SCALE DRAWING

SHEET SCALE: 2.5:1



520 PARK EAST BLVD., NEW ALBANY, IN 47150
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 e-Mail: info@SAMTEC.com code 55322

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

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

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