

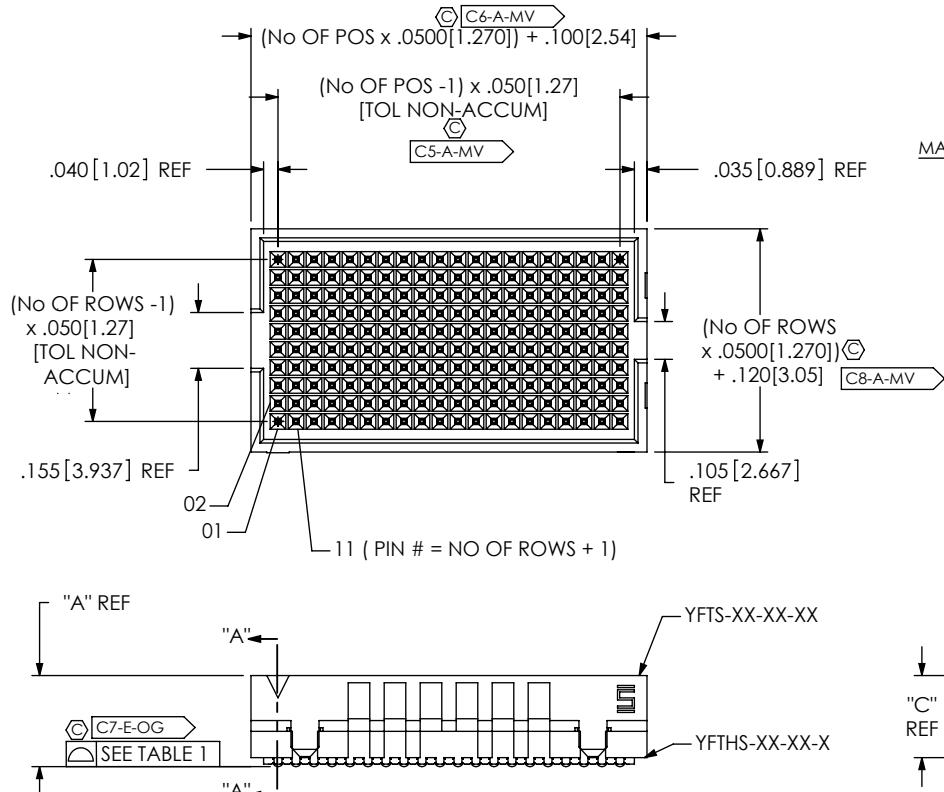
DO NOT  
SCALE FROM  
THIS PRINT

TABLE 1		
NO OF POS	ROW SPEC	COPLANARITY
-20	-05	.004[.10]
-30	-05	.006[.15]
-20 & -30	-08, -10	.006[.15]
-40	-05, -08, -10	.008[.20]
-50	-05	.008[.20]
-50	-08, -10	.010[.25]

STACK HEIGHT	MATED HEIGHT w/ YFS				
	"A" REF	"B" REF	"C"	"D"	
-07	.258[6.55]	.221[5.61]	.228[5.79]	.246[6.25]	.276[7.00]
-09	.335[8.51]	.299[7.59]	.306[7.77]	.324[8.23]	.354[9.00]
-12	.453[11.51]	.417[10.59]	.424[10.77]	.442[11.23]	.472[12.00]
-19	.728[18.49]	.692[17.58]	.699[17.75]	.717[18.21]	.748[19.00]
-25	.964[24.49]	.928[23.57]	.935[23.75]	.953[24.21]	.984[25.00]

TABLE 3

STACK HEIGHT	TERMINAL	USE YFTS	USE YFTM	USE YFTHS
-07	T-1R24-07B-X1	YFTS-XX-01-XX	N/A	YFTHS-XX-XX-X
-09	T-1R24-09B-X1	YFTS-XX-02-XX	N/A	YFTHS-XX-XX-X
-12	T-1R27-12B-X1	YFTS-XX-03-XX	N/A	YFTHS-XX-XX-X
-19	T-1R27-19B-X1	YFTS-XX-01-XX	YFTM-XX-19-XX	YFTHS-XX-XX-X
-25	T-1R27-25B-X1	YFTS-XX-01-XX	YFTM-XX-25-XX	YFTHS-XX-XX-X

TABLE 4

ROW	USE YFTS	USE YFTM	USE YFTHS
-05	YFTS-XX-XX-05	YFTM-XX-XX-05	YFTHS-XX-05-X
-08	YFTS-XX-XX-08	-----	YFTHS-XX-08-X
-10	YFTS-XX-XX-10	YFTM-XX-XX-10	YFTHS-XX-10-X

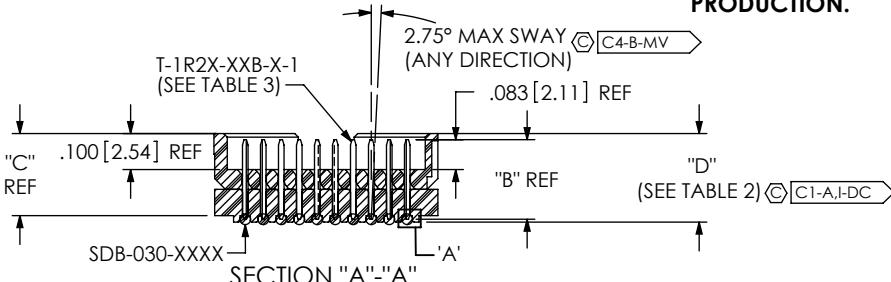
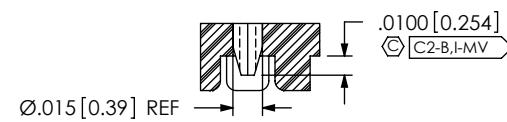
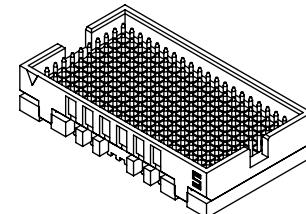
YFW-XX-XX-X-XX-XSB-XX

NO OF POSITIONS  
-20 THRU -50  
(MULTIPLES OF 10 ONLY)MATED STACK HEIGHT w/ YFS  
-07: 7mm  
-09: 9mm  
-12: 12mm  
-19: 19mm (SEE FIG. 2)  
-25: 25mm (SEE FIG. 2)

## PLATING SPECIFICATION

-H: HEAVY GOLD  
(USE T-1R2X-XXB-H-1)  
-E: EXTRA GOLD  
(USE T-1R2X-XXB-E-1)OPTION  
\*\* -K: KAPTON PAD (SEE FIG 3)  
(AVAILABLE ON -07, -09 & -12  
MATED STACKS ONLY)  
-TR: TAPE & REEL  
[STACK HEIGHT -07 & -09: ALL POSITIONS  
-12: POSITIONS UP TO 40x10  
-19 & -25: NOT AVAILABLE]  
-P: PICK AND PLACE PAD (SEE FIG 4)  
SOLDER BALLS  
-SB: SOLDER BALLS (USE SDB-030-6337)  
\* -MSB: MODIFIED SOLDER BALLS- Pb FREE  
(USE SDB-030-9653)  
C3-B-I-XR

## ROW SPECIFICATION

-05: FIVE ROWS  
-08: EIGHT ROWS  
(AVAILABLE ON -07, -09 & -12  
MATED STACKS ONLY)  
-10: TEN ROWS\*\* DO NOT DESIGN IN FOR 10-ROW VERSION. ONLY EXISTING  
CUSTOMERS, AS OF 2/10/06, WILL BE SUPPORTED. -P OPTION  
SHOULD BE USED FOR 10-ROW VERSION.\* = NOT RELEASE FOR  
PRODUCTION.FIG 1  
YFW-20-07-X-10-SB SHOWN  
[STACK HEIGHT -09 & -12 SIMILAR]DETAIL 'A'  
SCALE 10:1  
[SOLDER BALL REMOVED  
FOR CLARITY]

## NOTES:

1. (C) REPRESENTS A CRITICAL DIMENSION.  
2. BURR ALLOWANCE: .0015(.038) MAX.  
3. MINIMUM PUSHOUT FORCE: PRE-PROCESS: 8 OZ, POST-PROCESS: 5 OZ.  
4. MAXIMUM ALLOWABLE BOW: TOP/BOTTOM: .006(.15), SIDE/SIDE: .003(.08).  
5. ALL DIMS TO BE SYMMETRICAL ABOUT CENTERLINE WITHIN ±.002(.05).  
6. BODY RETENTION BETWEEN WELDED BODIES TO BE 4 LBS MINIMUM TOTAL.  
7. WELD FLASH: .020(.51) MAX.  
8. -H PLATING MAY BE SUBSTITUTED FOR -G PLATING.  
9. NOTE DELETED.  
10. TRAY PACKAGING CAN BE SUBSTITUTED FOR TUBES.

CPC  
FREQUENCY  
THIS SHEETUNLESS OTHERWISE SPECIFIED,  
DIMENSIONS ARE IN INCHES.  
TOLERANCES ARE:  
DECIMALS  
.XX: ±.01[.3]  
.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.A C1, C5, C6,  
C8, C9ANGLES  
± 2°

B C2, C3, C4

C

D

E C7

MATERIAL: DO NOT SCALE DRAWING

SHEET SCALE: 1.875:1

INSULATOR: LCP, COLOR: BLACK

TERMINAL: BRASS

SOLDER BALL: 63% TIN/ 37% LEAD

520 PARK EAST BLVD, NEW ALBANY, IN 47150

PHONE: 812-944-6733 FAX: 812-948-5047

e-Mail: info@SAMTEC.com code: 55322

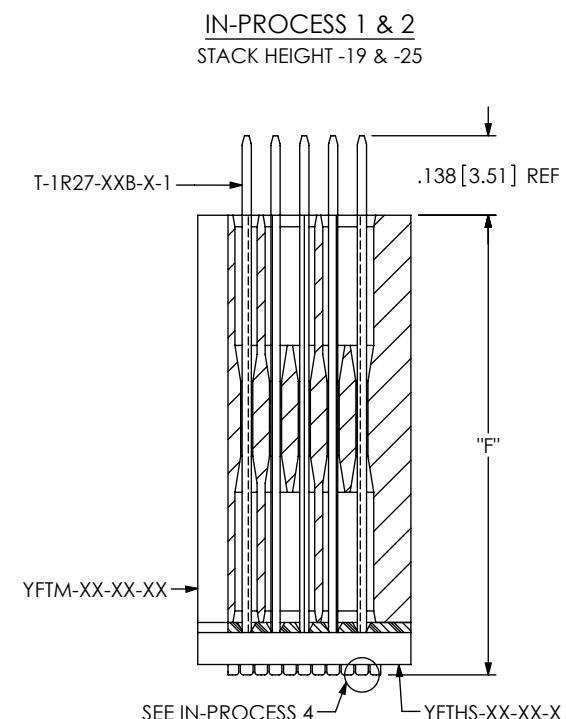
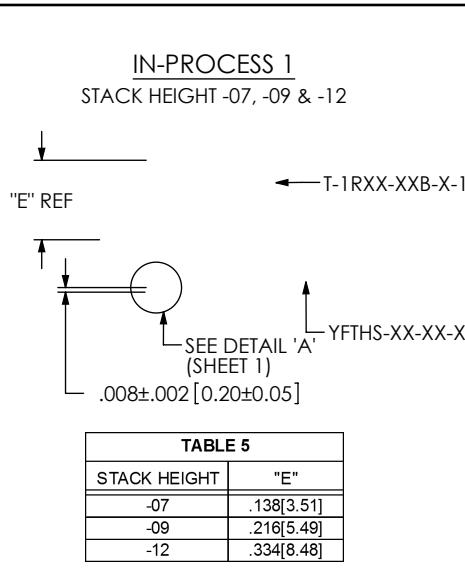
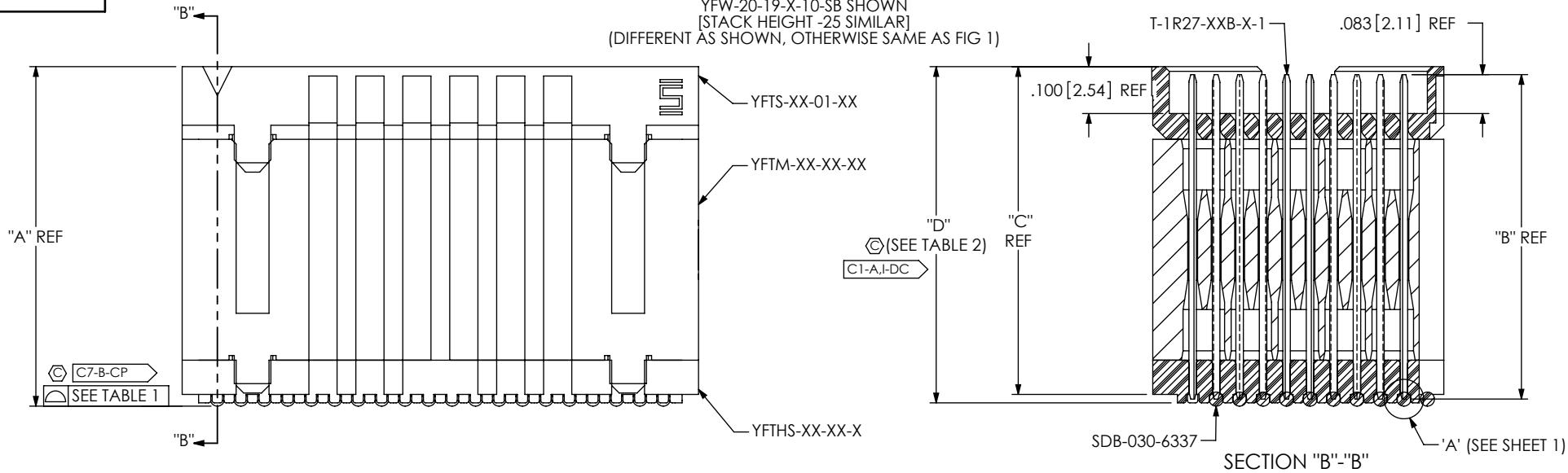
DESCRIPTION: FleX, Y, Z, .050 CENTERLINE TERMINAL ASSEMBLY

DWG. NO.

YFW-XX-XX-X-XX-XSB-XX

BY: DEAN P 5/11/2001 SHEET 1 OF 4

YFW-20-19-X-10-SB SHOWN  
[STACK HEIGHT -25 SIMILAR]  
(DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG 1)



CPC FREQUENCY THIS SHEET	
A	C1
B	C7
C	
D	

**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: 1.875:1

**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:  
Flex, Y, Z, .050 CENTERLINE TERMINAL ASSEMBLY

DWG. NO.  
YFW-XX-XX-X-XX-XSB-XX

BY: DEAN P 5/11/2001 SHEET 2 OF 4

REVISION AD

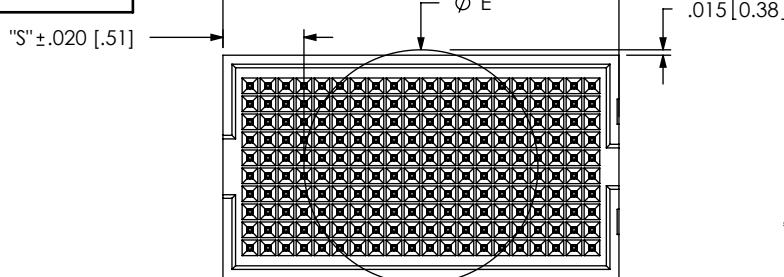


FIG 3  
-K: KAPTON PAD OPTION  
YFW-20-XX-X-10-SB-K SHOWN  
[KAPTON = .005 THICK]

TABLE 7

ROW OPTION	"E"	KAPTON TAPE
-05	.404 [10.25]	K-DOT-.404-.500-.005
-08	.550 [13.97]	K-850-650
-10**	.650 [16.50]	K-1000-800

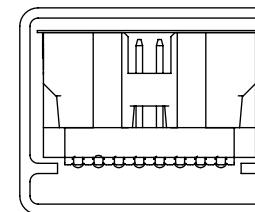
\*\* DO NOT DESIGN IN FOR 10-ROW VERSION. ONLY EXISTING CUSTOMERS, AS OF 2/10/06, WILL BE SUPPORTED. -P OPTION SHOULD BE USED FOR 10-ROW VERSION.

"R" = (No OF POSITIONS x .0500[1.270]) + .100[2.54]  
"S" = ("R" - "E" / 2)

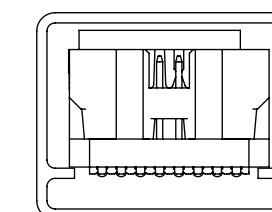
### PACKAGING TUBE (SEE NOTE 10)

(PARTS TO HAVE POSITION #1 LOADED IN SAME DIRECTION AS ARROW ON TUBE)

-08 ROW  
YFW-XX-09-X-08-SB-K SHOWN



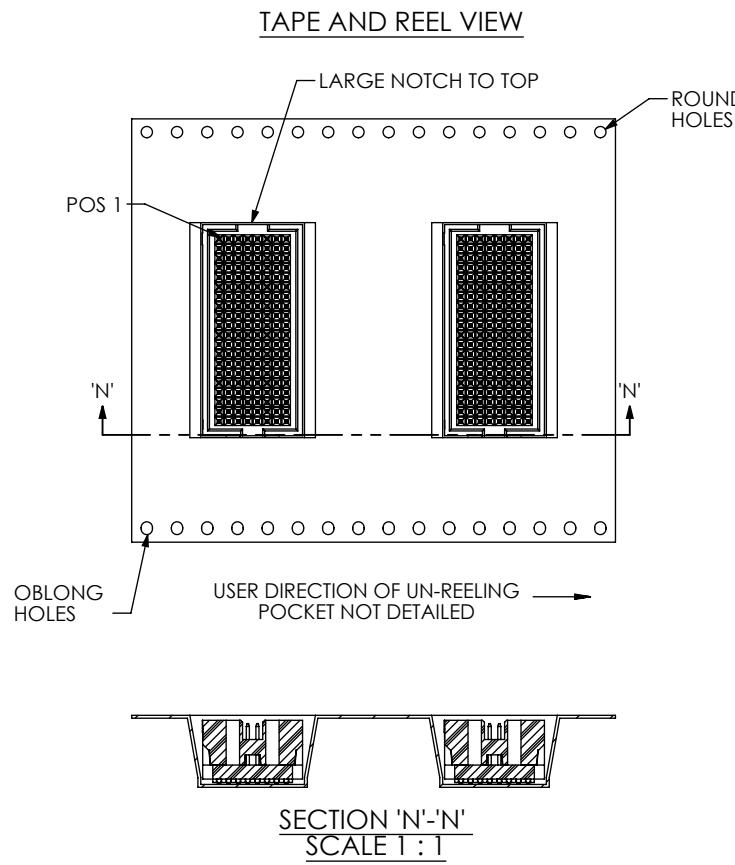
-08 ROW  
YFW-XX-09-X-08-SB-P SHOWN



### PACKAGING TUBES

ROW	STACK HEIGHT	TUBE W/ NONE, -K	TUBE W/ -P	PLUG
-05	-07	PT-1-24-07F-109	PT-YFW-07F-P	TP-29
-05	-09	PT-1-24-09F-109	PT-YFW-09F-P	TP-29
-05	-12	PT-YFW-12F-P	PT-YFW-12F-P	TP-13
-05	-19	PT-1-24-19F-109	PT-1-24-01-131	TP-13
-05	-25	PT-1-24-25F-109	PT-YFW-25F-P	TP-29
-08	-07	PT-YFW-07E-P	PT-YFW-07E-P	TP-13
-08	-09	PT-1-24-09E-109	PT-YFW-09E-P	TP-29
-08	-12	PT-1-24-12E-109	PT-YFW-12E-P	TP-29
-10	-07	PT-1-24-07T-109	PT-1-24-07T-109	TP-13
-10	-09	PT-1-24-09T-109	PT-YFW-09T-P	TP-13
-10	-12	PT-1-24-12T-109	PT-YFW-12T-P	TP-28
-10	-19	PT-1-24-19T-109	PT-YFW-19T-P	TP-26
-10	-25	PT-1-24-25T-109	PT-YFW-25T-P	TP-28

F:\DWG\MISC\Mktg\YFW-XX-XX-X-XX-XSB-XX-MKT.SLDDRW



CPC FREQUENCY THIS SHEET	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.	DESCRIPTION: Flex, Y, Z, .050 CENTERLINE TERMINAL ASSEMBLY
A		DWG. NO. YFW-XX-XX-X-XX-XSB-XX
B		
C	DO NOT SCALE DRAWING SHEET SCALE: 1.875:1	
D		

BY: DEAN P 5/11/2001 SHEET 3 OF 4

**Samtec**

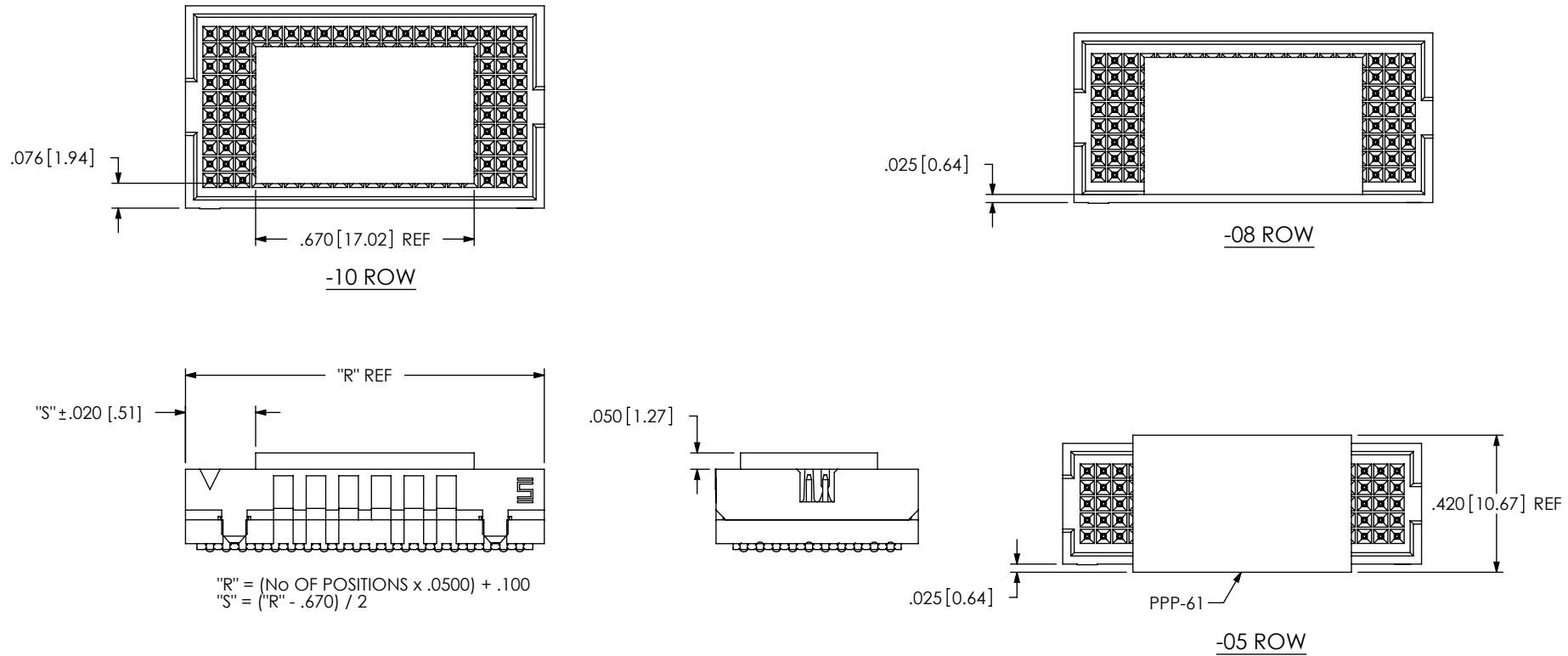
520 PARK EAST BLVD, NEW ALBANY, IN 47150  
PHONE: 812-944-6733 FAX: 812-948-5047  
e-Mail: info@SAMTEC.com code: 55322

DESCRIPTION:  
Flex, Y, Z, .050 CENTERLINE TERMINAL ASSEMBLY

DWG. NO.  
YFW-XX-XX-X-XX-XSB-XX

FIG 4

-P: PICK AND PLACE OPTION



CRITICAL DIMENSION INSPECTION INSTRUCTION TABLE	
ASSEMBLY OPERATION	IN-PROCESS INSPECTION
FILL T-1R2X-XXX-X-X	C2, C5, C6, C8
MOUNT YFTS-XX-XX-XX	C1, C4, C9
FINISHED GOOD INSPECTION	C1, C3, C4, C5, C6, C8, C9

CPC  
FREQUENCY  
THIS SHEET

A

B

C

D

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: 2:1

**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:  
Flex, Y, Z, .050 CENTERLINE TERMINAL ASSEMBLY

DWG. NO.  
**YFW-XX-XX-X-XX-XSB-XX**

BY: DEAN P 5/11/2001 SHEET 4 OF 4