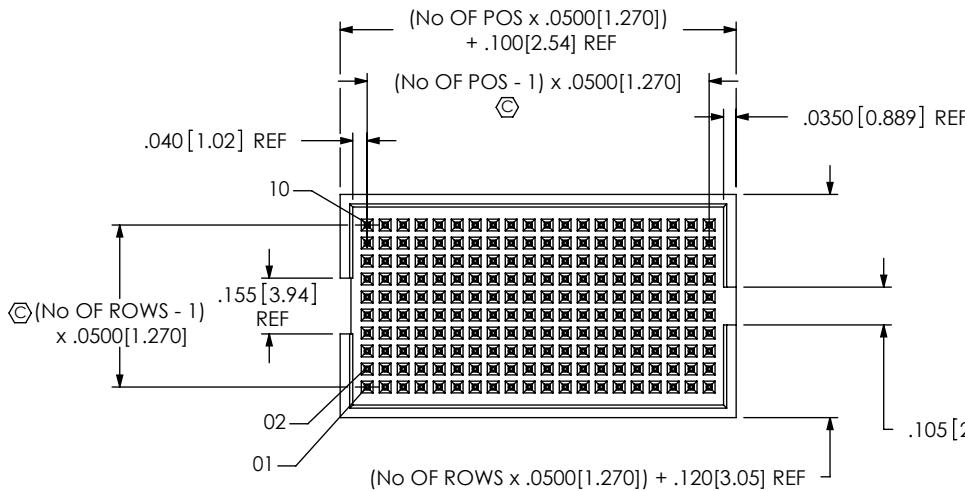
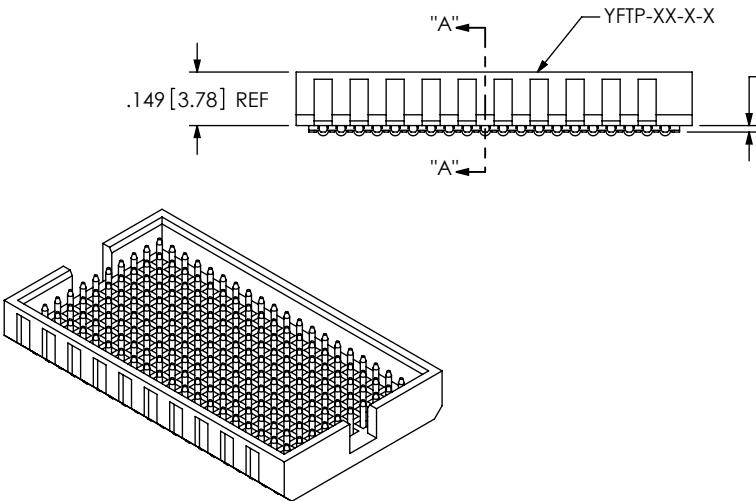


DO NOT
SCALE FROM
THIS PRINT

TABLE 1 - SOLDERBALL PARTS ONLY				
PART (POSITION)	20	30	40	50
MAX COPLANARITY	.0040	.0080	.0080	.0100
MAX T/B BOW *	.0020	.0020	.0020	.0025
* AFTER SOLDERBALL ATTACHMENT				

FIG 1
YFT-20-05-X-10-SB SHOWN

NOTES:

1. NOTE DELETED.
2. \odot REPRESENTS A CRITICAL DIMENSION.
3. BURR ALLOWANCE: .0015 MAX.
4. NOTE DELETED.
5. MINIMUM PUSHOUT FORCE: .5 LB.
6. NOTE DELETED.
7. MAXIMUM ALLOWABLE DISTANCE FOR SOLDER WICKING UP TERMINAL.
8. .0040 MAX VARIATION BETWEEN SOLDERBALLS.
9. REFER TO VISUAL INSPECTION BOARD FOR SOLDERBALL APPEARANCE CHECKS.
10. THE DISTANCE FROM THE CENTER OF ANY SOLDERBALL TO THE CENTER OF ANY ADJACENT INNER PEG SHALL BE $.025 \pm .005$.
11. NOTE DELETED.
12. TRAY PACKAGING CAN BE SUBSTITUTED FOR TUBES.

YFT-XX-05-X-XX-SB-XX

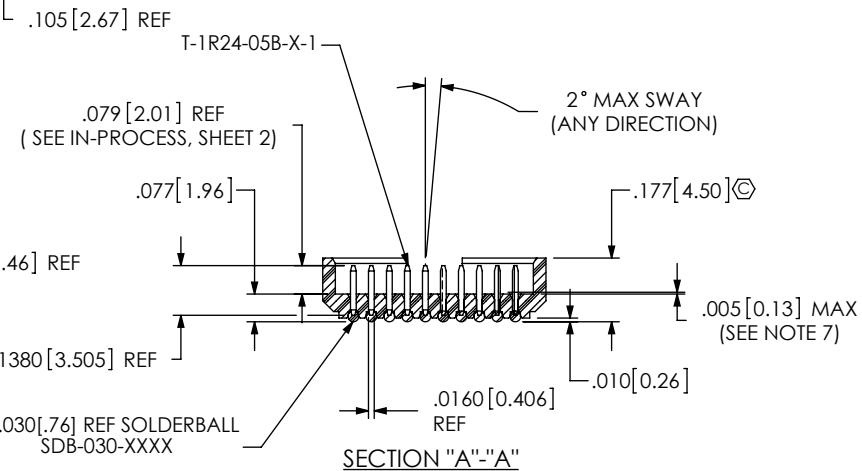
No OF POSITIONS
-20 THRU -50
(MULTIPLES OF 10 ONLY)

LEAD STYLE

OPTION
-K: KAPTON PAD OPTION
(SEE TABLE 3 & FIG. 4, SHEET 2)
-TR: TAPE & REEL
OPTION \odot
-SB: SOLDER BALLS: 37% PB/63% SN
(USE SDB-030-6337)

ROW SPECIFICATION
-10: TEN ROWS (USE YFTP-XX-X)
-08: EIGHT ROWS (USE YFTP-XX-X)
-05: FIVE ROWS (USE YFTP-XX-X)
-06: SIX ROWS (USE YFTP-XX-X)
(AVAILABLE IN 20 POS. ONLY)
-03: THREE ROWS (USE YFTP-XX-X)
(AVAILABLE IN 20 POS. ONLY)

PLATING SPECIFICATION
-G: GOLD (USE T-1R24-05B-G-1)
-H: HEAVY GOLD (USE T-1R24-05B-H-1)
-E: EXTRA HEAVY GOLD
(USE T-1R24-05B-E-1)



ϕ .030 [7.6] REF SOLDERBALL
SDB-030-XXXX

UNLESS OTHERWISE SPECIFIED,
DIMENSIONS ARE IN INCHES.
TOLERANCES ARE:
DECIMALS ANGLES
.XX: $\pm .01$ $\pm 2^\circ$
.XXX: $\pm .005$
.XXXX: $\pm .0020$

* PROPRIETARY NOTE
* THIS DOCUMENT CONTAINS CONFIDENTIAL AND
PROPRIETARY INFORMATION AND ALL DESIGN,
MANUFACTURING, REPRODUCTION, USE, PATENT RIGHTS
AND SALES RIGHTS ARE EXPRESSLY RESERVED BY SAMTEC
INC. THIS DOCUMENT SHALL NOT BE DISCLOSED, IN WHOLE
OR PART, TO ANY UNAUTHORIZED PERSON OR ENTITY NOR
REPRODUCED, TRANSFERRED OR INCORPORATED IN ANY
OTHER PROJECT IN ANY MANNER WITHOUT THE EXPRESS
WRITTEN CONSENT OF SAMTEC, INC.

MATERIAL: DO NOT SCALE DRAWING SHEET SCALE: 1.875:1
INSULATOR: LCP, COLOR: BLACK
TERMINAL: BRASS AND ALLOY 260

F:\DWG\MISC\MKTG\YFT-XX-05-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:
Flex, Y, Z, .050 CENTERLINE TERMINAL ASSEMBLY
DWG. NO.
YFT-XX-05-X-XX-SB-XX
BY: ERIC M 5/27/99 SHEET 1 OF 2

IN-PROCESS WITHOUT SOLDERBALLS

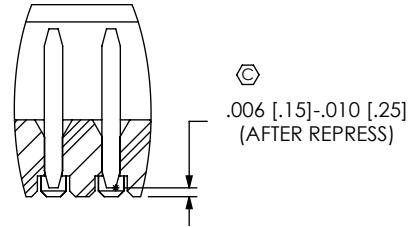


TABLE 2

PART (POSITION)	20	30	40	50
MAX T/B BOW	.0015	.0020	.0020	.0020

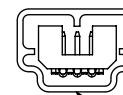
PACKAGING TUBE
(SEE NOTE 12)

TABLE 4

ROW OPTION	TUBE	PLUG
-03	PT-1-24-01-59	TP-24
-05	PT-1-24-01-61	TP-03
-06	PT-1-24-14-29	TP-07
-08	PT-1-24-02-09	TP-07
-10	PT-1-24-16-29	TP-07

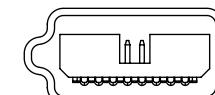
[PLACE PARTS IN RESPECTIVE TUBES SIMILAR TO SHOWN BELOW]

-03 ROW

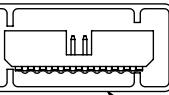


PT-1-24-01-59

-08 ROW

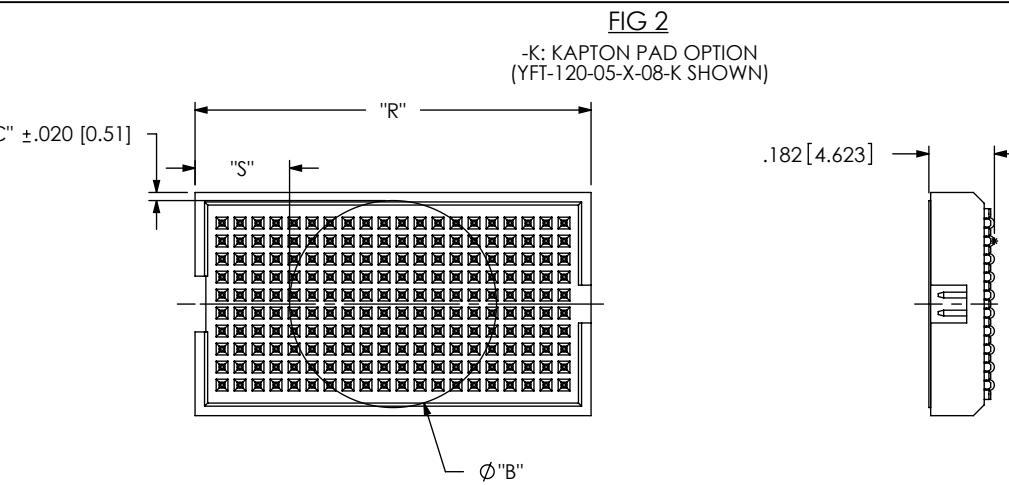


PT-1-24-02-09



PT-1-24-16-29

-10 ROW



$$R = (\text{No OF POS} \times .0500 [1.270]) + .100 [2.54]$$

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

TABLE 3

ROW OPTION	"B"	"C"	KAPTON
-05	.404 [10.25]	.017 [.43]	K-DOT-.404-.500-.005
-08	.575 [14.60]	.028 [.71]	K-850-650
-10	.650 [16.50]	.015 [.38]	K-1000-800
-06	.460 [11.68]	.020 [.51]	K-850-650
-03	.325 [8.26]	.028 [.71]	K-DOT-.325-.450-.005

* PROPRIETARY NOTE *

THIS DOCUMENT CONTAINS CONFIDENTIAL AND PROPRIETARY INFORMATION AND ALL DESIGN, MANUFACTURING, REPRODUCTION, USE, PATENT RIGHTS AND SALES RIGHTS ARE EXPRESSLY RESERVED BY SAMTEC, INC. THIS DOCUMENT SHALL NOT BE DISCLOSED, IN WHOLE OR PART, TO ANY UNAUTHORIZED PERSON OR ENTITY NOR REPRODUCED, TRANSFERRED OR INCORPORATED IN ANY OTHER PROJECT IN ANY MANNER WITHOUT THE EXPRESS WRITTEN CONSENT OF SAMTEC, INC.

DO NOT SCALE DRAWING

SHEET SCALE: 1.875:1

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.

YFT-XX-05-X-XX-SB-XX

Samtec