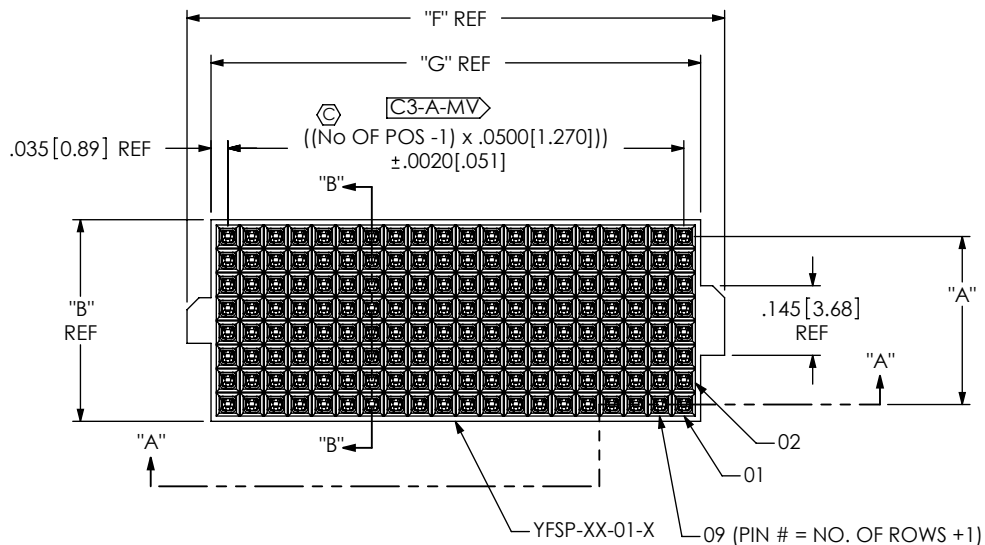


DO NOT SCALE FROM THIS PRINT



R YFS-XX-X3-X-XX-SB-XX

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

OPTION

-K: KAPTON PAD  
(SEE FIG 2, SHT 2)  
-TR: TAPE & REEL  
(SEE NOTE 17)

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)

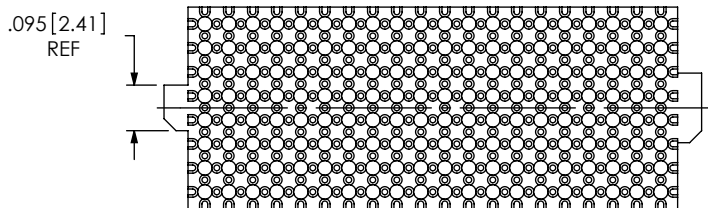
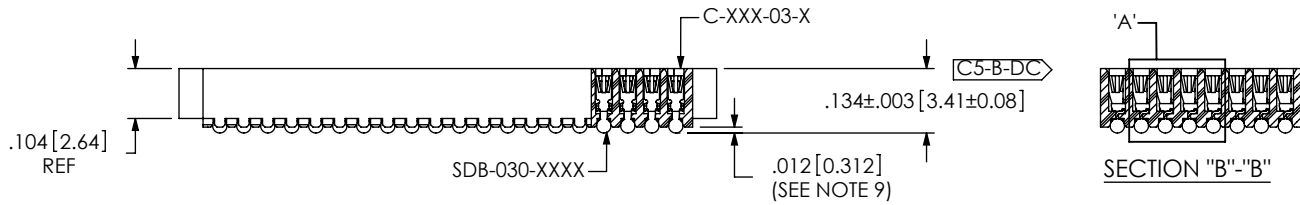
SOLDER BALLS

-SB: SOLDER BALL  
(USE SDB-030-6337)  
37% Pb/63% Sn

C-T-B-I-XR

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)



**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

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

**TABLE 1**

ROW	"A"	"B"
-03	.1000	.170
-05	.2000	.270
-06	.2500	.320
-08	.3500	.420
-10	.4500	.520

**TABLE 3**

POS	"F"	"G"
-20	1.120	1.020
-30	1.620	1.520
-40	2.120	2.020
-50	2.620	2.520

NOTES:

1. Ⓢ REPRESENTS A CRITICAL DIMENSION.
2. NOTE DELETED.
3. MAXIMUM BURR ALLOWANCE: .0005[0.013]
4. MINIMUM PUSHOUT FORCE: .5 LB.
5. NOTE DELETED.
6. CONTACT TO BE FLUSH ±.002[0.05]. TO BE MEASURED AT ALL FOUR CORNERS.
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. NOTE DELETED.
15. NOTE DELETED.
16. NO FLASH ALLOWED ON THE PIN TIPS.
17. IF -TR OPTION IS NOT SPECIFIED, PARTS TO BE PACKAGED IN TRAYS. PARTS WITH -03 ROW SPECIFICATION NOT VALID WITHOUT -TR OPTION.

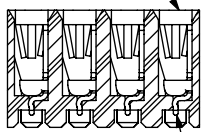
C2-B-I-MV

R

C4-B-VS

IN-PROCESS WITHOUT SOLDERBALLS

SEE NOTE 6



DETAIL 'A'  
SCALE 5:1

SEE NOTE 16

CRITICAL DIMENSION INSPECTION INSTRUCTION TABLE

ASSEMBLY OPERATION	IN-PROCESS INSPECTION
FILL C-XXX-XX-X	C2, C3
ATTACH SDB-XXX-XXXX	C3, C4
REPRESS SOLDER BALL	C5
FINISHED GOOD INSPECTION	C1, C2, C3, C5

UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES.

TOLERANCES ARE:

DECIMALS ANGLES  
.XX: ±.01[.3]  
.XXX: ±.005[.13]  
.XXXX: ±.0020[.051]

PROPRIETARY NOTE

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MATERIAL:

INSULATOR: LCP, COLOR: BLACK  
CONTACT: PHOS BRONZE

DO NOT SCALE DRAWING

SHEET SCALE: 2.5:1

F:\DWG\MISC\VKMTG\YFS-XX-X3-X-XX-SB-XX-MKT.SLDDRW



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

DESCRIPTION:

.050[1.27] MULTI-ROW SOCKET ASSEMBLY

DWG. NO.

YFS-XX-X3-X-XX-SB-XX

BY: KEVIN B

4/22/99

SHEET 1 OF 2

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

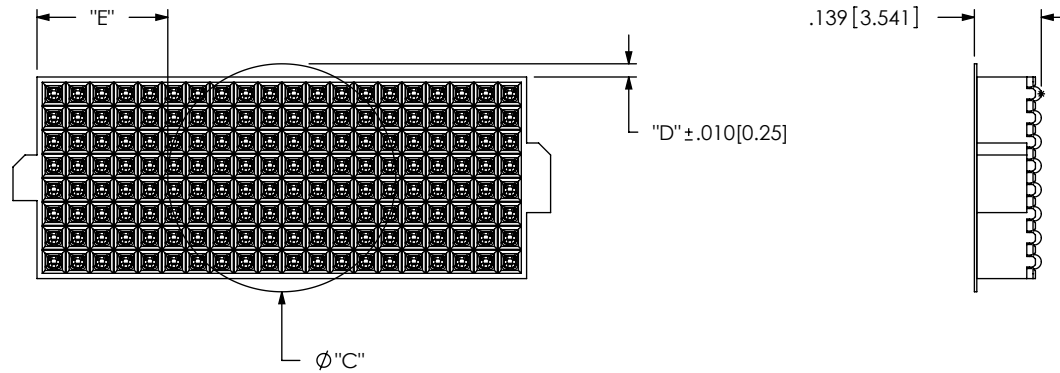


TABLE 5

ROW	"C"	"D"	"E"				KAPTON TAPE
			-20 POS	-30 POS	-40 POS	-50 POS	
-03	.217	.024	.4015	.6515	.9015	1.1515	K-500-300
-05	.305	.018	.3575	.3075	.8595	1.1075	K-850-650
-06	.354	.017	.3330	.5830	.8330	1.0830	K-850-650
-08	.475	.028	.2725	.5225	.7725	1.0225	K-850-650
-10	.575	.028	.2225	.4725	.7225	0.9725	K-850-650

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

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DO NOT SCALE DRAWING

SHEET SCALE: 2.5:1



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 PHONE: 812-944-6733 FAX: 812-948-5047  
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DESCRIPTION:  
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DWG. NO. YFS-XX-X3-X-XX-SB-XX

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