REVISION Y

DESIGNED & DIMENSIONED IN MILLIMETERS[INCHES]

DO NOT SCALE FROM THIS PRINT

ZF5S-XX-XX-X-WT-X-XX

No OF POSITIONS
-04 THRU -50
(USE ZF5-XX AND ZF5C-XX)

LEAD STYLE
-01: USE C-297-01-T
-02: USE C-297-03-T
-03: USE C-297-02-T & C-297-04-T

PLATING SPECIFICATION
-T: PURE TIN, MATTE FINISH

WELD TAB
USE WT-60-01-T

PACKAGING
BLANK: TUBES (SEE NOTE 8)
-TR: TAPE & REEL (SEE NOTES 9 & 10)
-FR: FULL REEL QTY TAPE & REEL (SEE NOTES 9 & 10)

OPTION
-K: KAPTON PAD
(N/A IN -03 LEAD STYLE)
(USE K-DOT-.118-.219-.005)
(SEE SHEET 4, FIG 3)

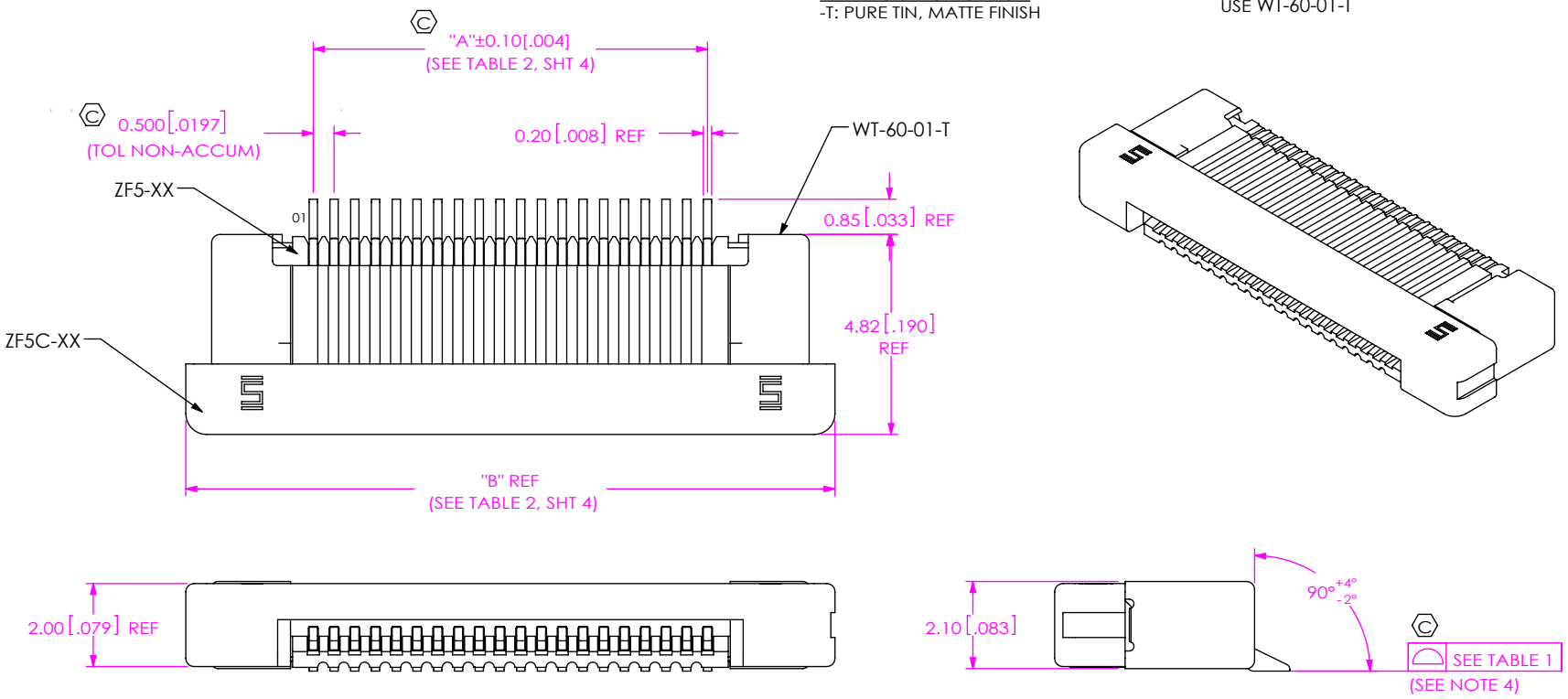

TABLE 1	
No OF POS.	COPLANARITY
-04 THRU -30	0.10 [.004]
-31 THRU -50	0.15 [.006]

FIG 1
ZF5S-20-01-T-WT SHOWN
(WITH CAM CLOSED)

NOTES:

1. Ⓒ REPRESENTS A CRITICAL DIMENSION.
2. MAXIMUM BURR ALLOWANCE: 0.025 [.0010]
3. MINIMUM PUSHOUT FORCE: 6 OZ
4. CO-PLANARITY INCLUDES TAILS AND WELD TABS.
5. WELD TAB RETENTION: 6 OZ
6. BREAKOFF BURR NOT TO EXCEED 0.18[.007] AND MUST REMAIN ATTACHED.
7. Ⓒ PIN 1 TO HAVE ORIENATATION AS SHOWN.
8. TUBES ARE STANDARD PACKAGING.
9. ORDERS WILL BE PACKAGED ACCORDING TO THE SAMTEC PACKAGING EFFICIENCY STANDARDS (SPES) FOUND ON WWW.SAMTEC.COM.
10. ATTACH LABEL TO EACH REEL.

UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN MILLIMETERS.
TOLERANCES ARE:
DECIMALS: X.X: ±0.3 [.01] X.XX: ±0.13 [.005] X.XXX: ±0.051 [.0020]
ANGLES: 2°

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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: 6:1

HOUSING: LCP, COLOR: NATURAL
CAM: LCP, COLOR: BLACK
CONTACT: PHOS BRONZE
WELD TAB: BRASS

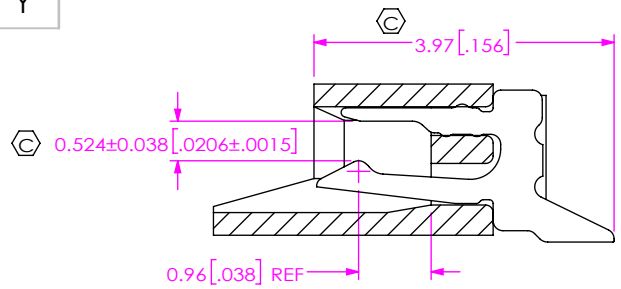
F:\dwg\misc\mktg\ZF5S-XX-XX-X-WT-X-XX-MKT.SLDDRW

DESCRIPTION:
ZERO INSERTION FORCE .5mm ASSEMBLY

DWG. NO.
ZF5S-XX-XX-X-WT-X-XX

BY: G PURVIS 01/20/2011 SHEET 1 OF 5

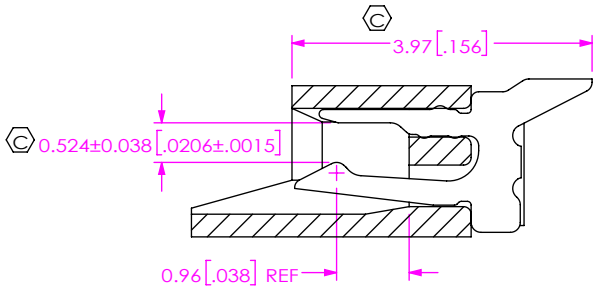
REVISION Y



-01 LEAD STYLE

IN PROCESS 1

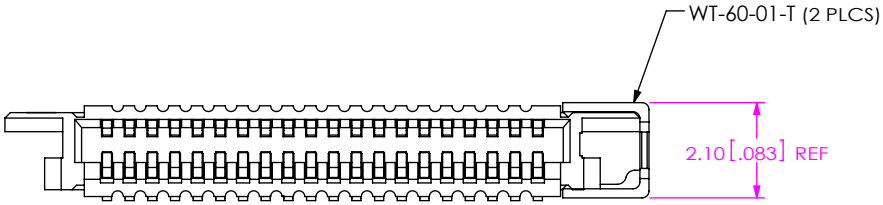
FILL C-297-01-T

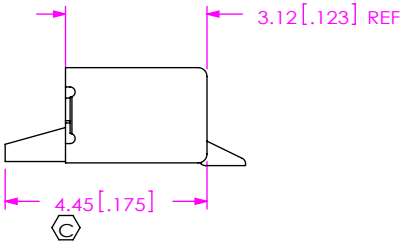


-02 LEAD STYLE

IN PROCESS 1

FILL C-297-03-T

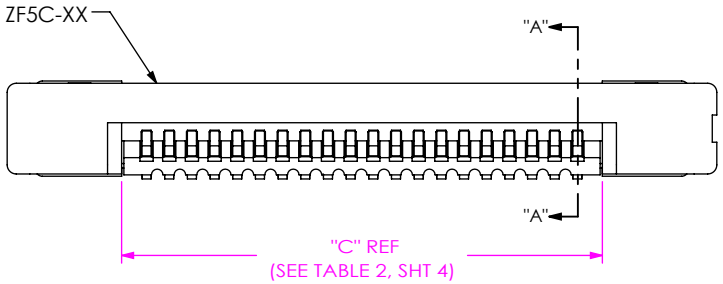




IN PROCESS 2

FILL WT-60-01-T

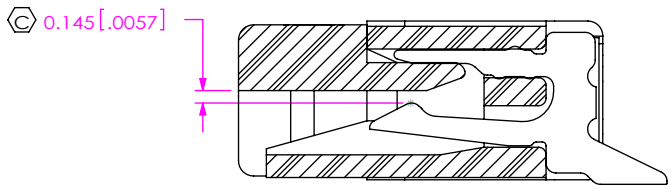
(SOME FEATURES REMOVED FOR CLARITY)



IN PROCESS 3

INSERT ZF5C-XX-XX

(CAM SHOWN IN CLOSED POSITION)



SECTION "A"-"A"

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DO NOT SCALE DRAWING

SHEET SCALE: 10:1

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

DESCRIPTION:

ZERO INSERTION FORCE .5mm ASSEMBLY

DWG. NO.

ZF5S-XX-XX-X-WT-X-XX

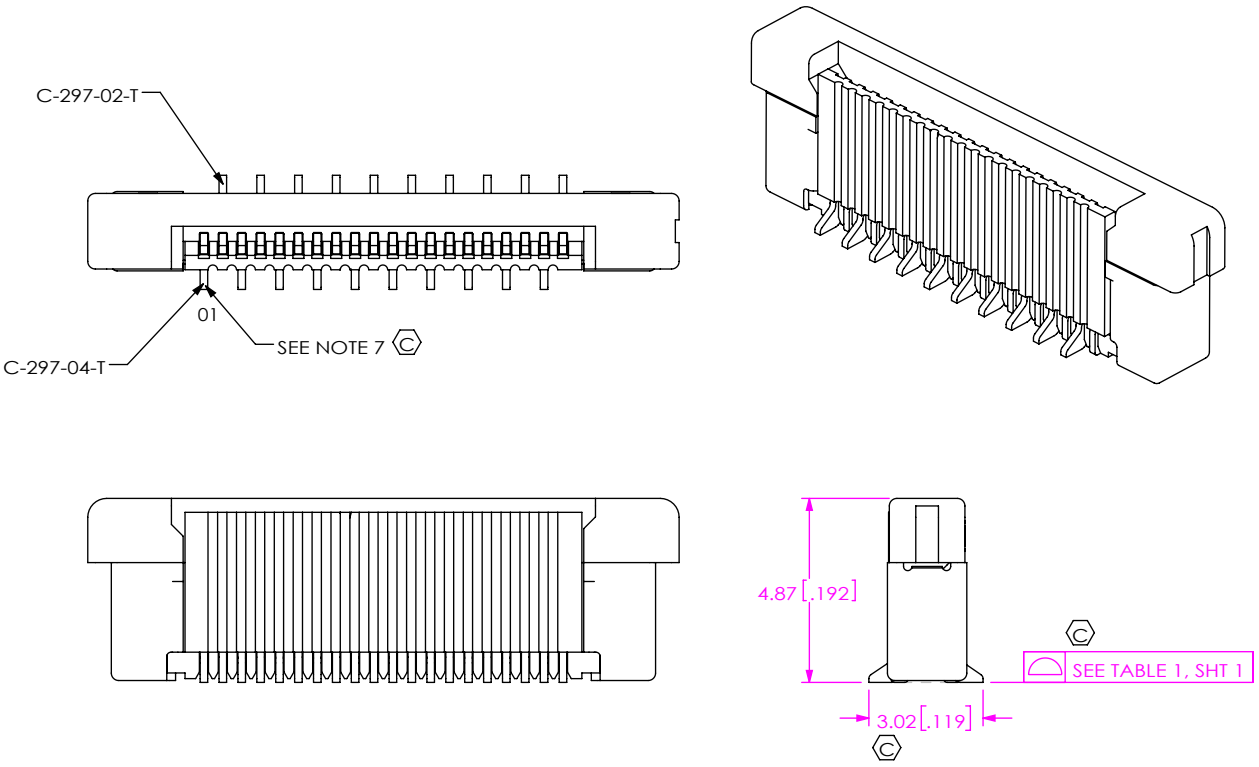
BY: G PURVIS 01/20/2011 SHEET 2 OF 5

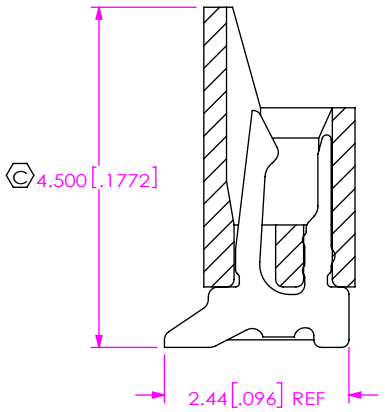
F:\dwg\misc\mktg\ZF5S-XX-XX-X-WT-X-XX-MKT.SLDDRW

REVISION Y

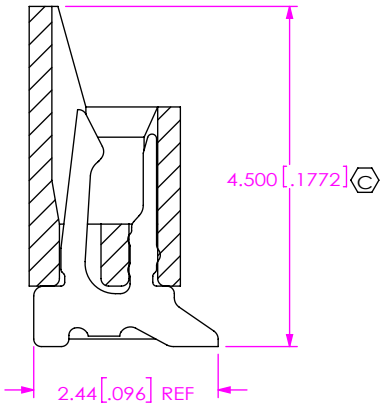
FIG 2

-03 LEAD STYLE
(DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG 1)
(ZF5S-20-03-T-WT SHOWN)



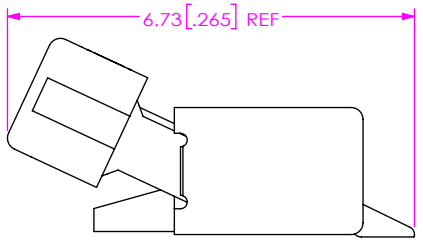


-03 LEAD STYLE
IN PROCESS 1A
FILL C-297-04-T
(SAME AS IN PROCESS 1 FOR -01 LEAD STYLE EXCEPT AS SHOWN)
(ODD POSITIONS FILLED ONLY)

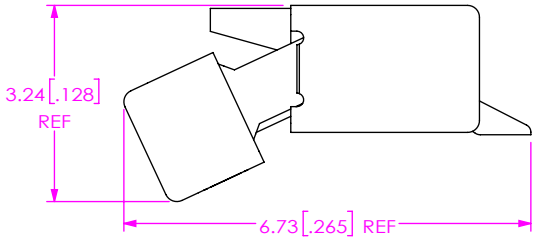


-03 LEAD STYLE
IN PROCESS 1B
FILL C-297-02-T
(SAME AS IN PROCESS 1 FOR -01 LEAD STYLE EXCEPT AS SHOWN)
(EVEN POSITIONS FILLED ONLY)

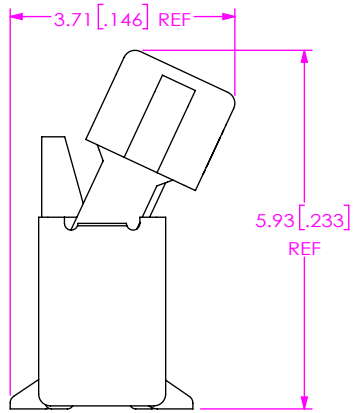
APPLICATION VIEWS



-01 LEAD STYLE SHOWN
(WITH CAM OPEN)



-02 LEAD STYLE SHOWN
(WITH CAM OPEN)



-03 LEAD STYLE SHOWN
(WITH CAM OPEN)

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SHEET SCALE: 5:1

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PHONE: 812-944-6733 FAX: 812-948-5047
e-Mail info@SAMTEC.com code 55322

DESCRIPTION:
ZERO INSERTION FORCE .5mm ASSEMBLY

DWG. NO.
ZF5S-XX-XX-X-WT-X-XX

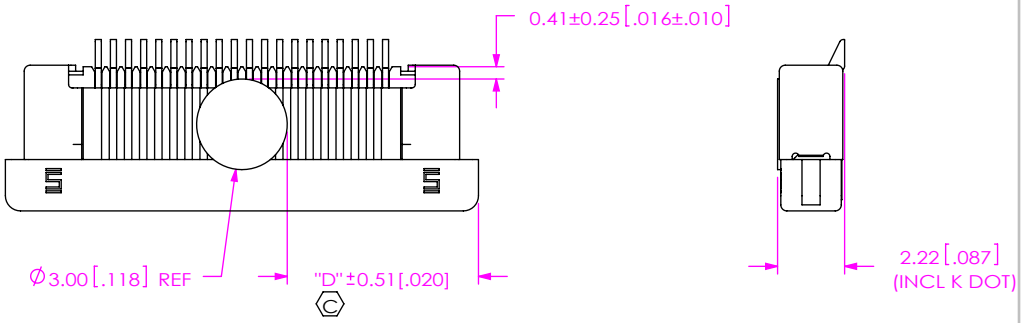
BY: G PURVIS 01/20/2011

REVISION Y

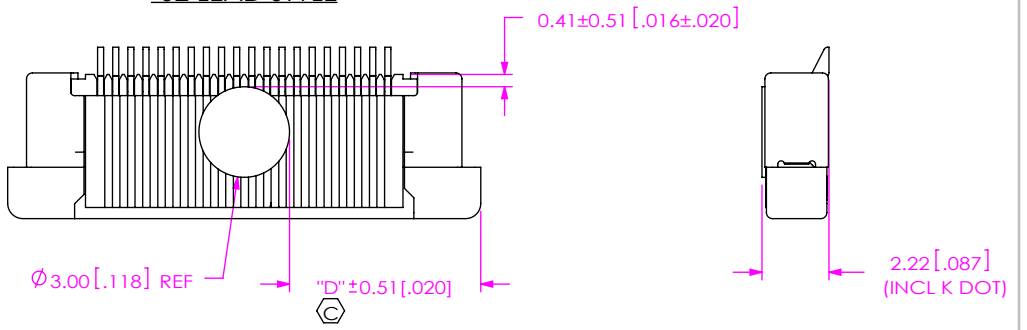
TABLE 2				
No OF POS	"A"	"B"	"C"	"D"
-04	1.50 [0.059]	7.65 [0.301]	2.60 [0.102]	2.32 [0.091]
-05	2.00 [0.079]	8.15 [0.321]	3.10 [0.122]	2.57 [0.101]
-06	2.50 [0.098]	8.65 [0.341]	3.60 [0.142]	2.82 [0.111]
-07	3.00 [0.118]	9.15 [0.360]	4.10 [0.161]	3.07 [0.121]
-08	3.50 [0.138]	9.65 [0.380]	4.60 [0.181]	3.32 [0.131]
-09	4.00 [0.157]	10.15 [0.400]	5.10 [0.201]	3.57 [0.141]
-10	4.50 [0.177]	10.65 [0.419]	5.60 [0.220]	3.82 [0.150]
-11	5.00 [0.197]	11.15 [0.439]	6.10 [0.240]	4.07 [0.160]
-12	5.50 [0.217]	11.65 [0.459]	6.60 [0.260]	4.32 [0.170]
-13	6.00 [0.236]	12.15 [0.478]	7.10 [0.280]	4.57 [0.180]
-14	6.50 [0.256]	12.65 [0.498]	7.60 [0.299]	4.82 [0.190]
-15	7.00 [0.276]	13.15 [0.518]	8.10 [0.319]	5.07 [0.200]
-16	7.50 [0.295]	13.65 [0.537]	8.60 [0.339]	5.32 [0.209]
-17	8.00 [0.315]	14.15 [0.557]	9.10 [0.358]	5.57 [0.219]
-18	8.50 [0.335]	14.65 [0.577]	9.60 [0.378]	5.82 [0.229]
-19	9.00 [0.354]	15.15 [0.596]	10.10 [0.398]	6.07 [0.239]
-20	9.50 [0.374]	15.65 [0.616]	10.60 [0.417]	6.32 [0.249]
-21	10.00 [0.394]	16.15 [0.636]	11.10 [0.437]	6.57 [0.259]
-22	10.50 [0.413]	16.65 [0.656]	11.60 [0.457]	6.82 [0.269]
-23	11.00 [0.433]	17.15 [0.675]	12.10 [0.476]	7.07 [0.278]
-24	11.50 [0.453]	17.65 [0.695]	12.60 [0.496]	7.32 [0.288]
-25	12.00 [0.472]	18.15 [0.715]	13.10 [0.516]	7.57 [0.298]
-26	12.50 [0.492]	18.65 [0.734]	13.60 [0.535]	7.82 [0.308]
-27	13.00 [0.512]	19.15 [0.754]	14.10 [0.555]	8.07 [0.318]
-28	13.50 [0.531]	19.65 [0.774]	14.60 [0.575]	8.32 [0.328]
-29	14.00 [0.551]	20.15 [0.793]	15.10 [0.594]	8.57 [0.337]
-30	14.50 [0.571]	20.65 [0.813]	15.60 [0.614]	8.82 [0.347]
-31	15.00 [0.591]	21.15 [0.833]	16.10 [0.634]	9.07 [0.357]
-32	15.50 [0.610]	21.65 [0.852]	16.60 [0.654]	9.32 [0.367]
-33	16.00 [0.630]	22.15 [0.872]	17.10 [0.673]	9.57 [0.377]
-34	16.50 [0.650]	22.65 [0.892]	17.60 [0.693]	9.82 [0.387]
-35	17.00 [0.669]	23.15 [0.911]	18.10 [0.713]	10.07 [0.396]
-36	17.50 [0.689]	23.65 [0.931]	18.60 [0.732]	10.32 [0.406]
-37	18.00 [0.709]	24.15 [0.951]	19.10 [0.752]	10.57 [0.416]
-38	18.50 [0.728]	24.65 [0.970]	19.60 [0.772]	10.82 [0.426]
-39	19.00 [0.748]	25.15 [0.990]	20.10 [0.791]	11.07 [0.436]
-40	19.50 [0.768]	25.65 [1.010]	20.60 [0.811]	11.32 [0.446]
-41	20.00 [0.787]	26.15 [1.030]	21.10 [0.831]	11.57 [0.456]
-42	20.50 [0.807]	26.65 [1.049]	21.60 [0.850]	11.82 [0.465]
-43	21.00 [0.827]	27.15 [1.069]	22.10 [0.870]	12.07 [0.475]
-44	21.50 [0.846]	27.65 [1.089]	22.60 [0.890]	12.32 [0.485]
-45	22.00 [0.866]	28.15 [1.108]	23.10 [0.909]	12.57 [0.495]
-46	22.50 [0.886]	28.65 [1.128]	23.60 [0.929]	12.82 [0.505]
-47	23.00 [0.906]	29.15 [1.148]	24.10 [0.949]	13.07 [0.515]
-48	23.50 [0.925]	29.65 [1.167]	24.60 [0.969]	13.32 [0.524]
-49	24.00 [0.945]	30.15 [1.187]	25.10 [0.988]	13.57 [0.534]
-50	24.50 [0.965]	30.65 [1.207]	25.60 [1.008]	13.82 [0.544]

FIG 3
KAPTON PAD
(USE K-DOT-.118-.219-.005)
(DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG 1)

-01 LEAD STYLE



-02 LEAD STYLE



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PHONE: 812-944-6733 FAX: 812-948-5047
e-Mail info@SAMTEC.com code 55322

SHEET SCALE: 4:1

DESCRIPTION:
ZERO INSERTION FORCE .5mm ASSEMBLY

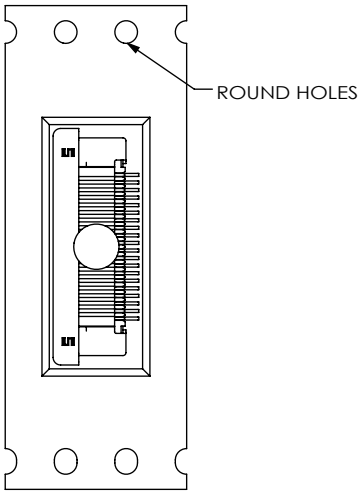
DWG. NO.
ZF5S-XX-XX-X-WT-X-XX

BY: G PURVIS 01/20/2011 SHEET 4 OF 5

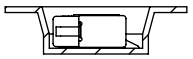
REVISION Y

PACKAGING VIEWS

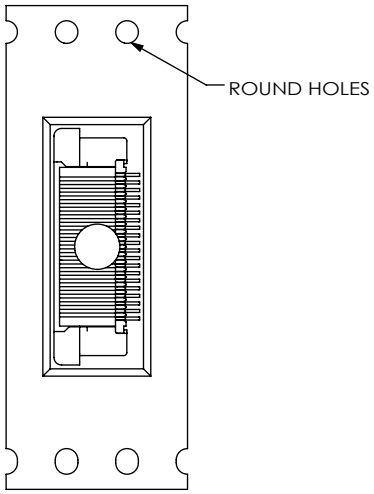
-01 LEAD STYLE
SHOWN WITH -K OPTION



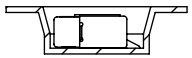
USER DIRECTION OF UN-REELING
POCKET NOT DETAILED



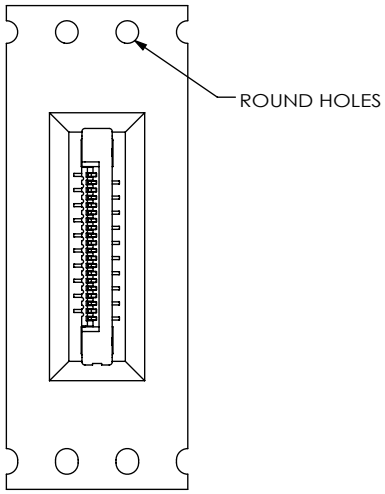
-02 LEAD STYLE
SHOWN WITH -K OPTION



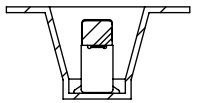
USER DIRECTION OF UN-REELING
POCKET NOT DETAILED



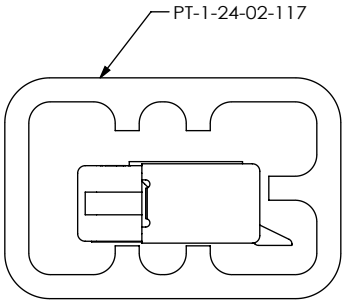
-03 LEAD STYLE



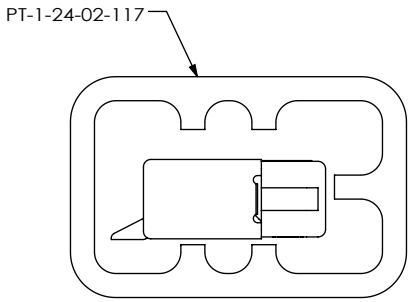
USER DIRECTION OF UN-REELING
POCKET NOT DETAILED



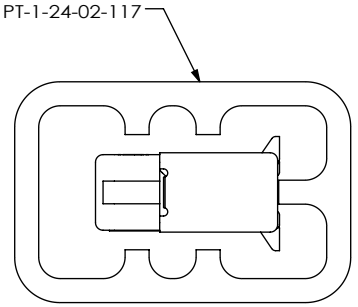
PACKAGING VIEWS
[PARTS TO HAVE POSITION #1 LOADED IN
SAME DIRECTION AS ARROW ON TUBE]



-01 LEAD STYLE
(USE TP-24-02 PLUG)



-02 LEAD STYLE
(USE TP-24-02 PLUG)



-03 LEAD STYLE
(USE TP-24-02 PLUG)

F:\dwg\misc\mktg\ZF5S-XX-XX-X-WT-X-XX-MKT.SLDDRW

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DO NOT SCALE DRAWING

SHEET SCALE: 10:1

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:
ZERO INSERTION FORCE .5mm ASSEMBLY

DWG. NO.
ZF5S-XX-XX-X-WT-X-XX

BY: G PURVIS 01/20/2011 SHEET 5 OF 5