

DESIGNED & DIMENSIONED  
IN MILLIMETERS [INCHES]

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

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

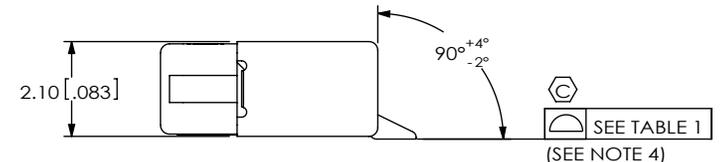
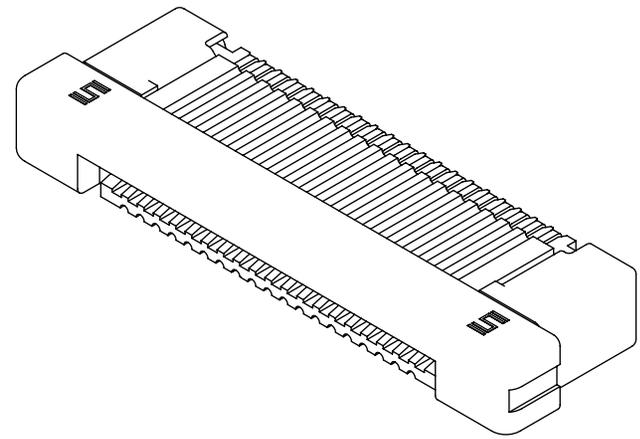
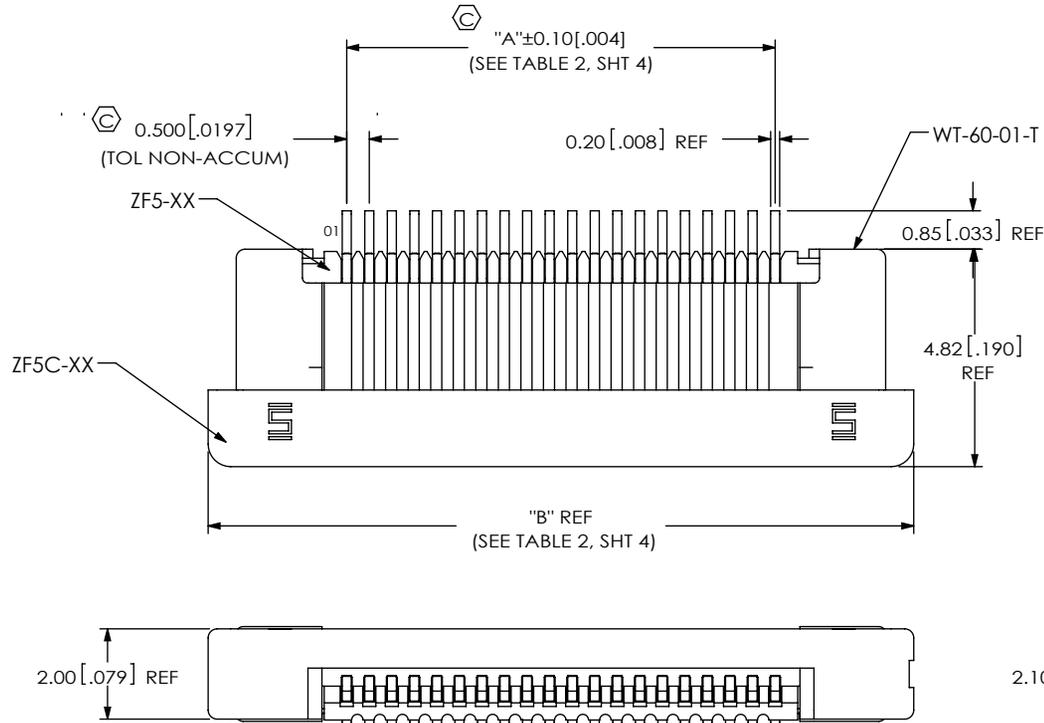
LEAD STYLE  
-01: USE C-297-01-T  
-02: USE C-297-03-T  
-03: USE C-297-02-T & C-297-04-T

OPTION  
-TR: TAPE AND REEL

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

WELD TAB  
USE WT-60-01-T

PLATING SPECIFICATION  
-T: PURE TIN, MATTE FINISH



No OF POS.	COPLANARITY
-04 THRU -30	0.10 [0.004]
-31 THRU -50	0.15 [0.006]

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

NOTES:

1.  $\text{C}$  REPRESENTS A CRITICAL DIMENSION.
2. MAXIMUM BURR ALLOWANCE: 0.025 [0.0010]
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 [0.007] AND MUST REMAIN ATTACHED.
7. PIN 1 TO HAVE ORIENTATION AS SHOWN.

UNLESS OTHERWISE SPECIFIED,  
DIMENSIONS ARE IN MILLIMETERS.  
TOLERANCES ARE:  
DECIMALS ANGLES  
X.X: ±0.3 [0.1] 2°  
X.XX: ±0.13 [0.005]  
X.XXX: ±0.051 [0.0020]

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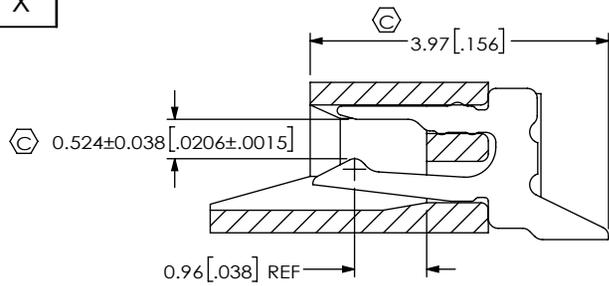


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e-Mail: info@SAMTEC.com code 55322

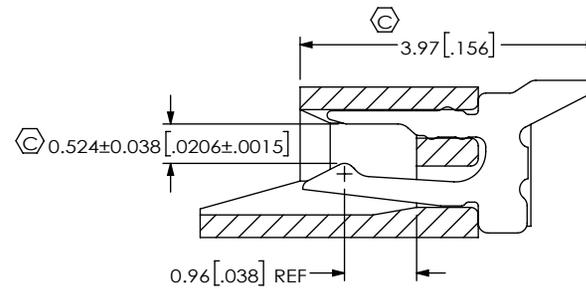
**MATERIAL:** DO NOT SCALE DRAWING SHEET SCALE: 6:1  
HOUSING: LCP, COLOR: NATURAL  
CAM: LCP, COLOR: BLACK  
CONTACT: PHOS BRONZE  
WELD TAB: BRASS

DESCRIPTION:  
ZERO INSERTION FORCE .5mm ASSEMBLY  
DWG. NO.  
ZF5S-XX-XX-X-WT-X-XX

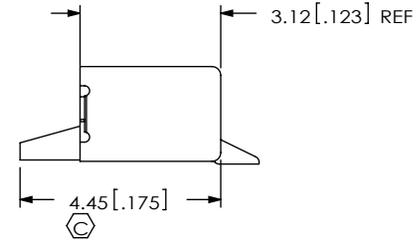
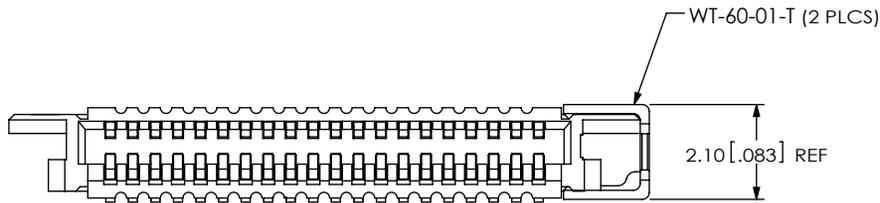
REVISION X



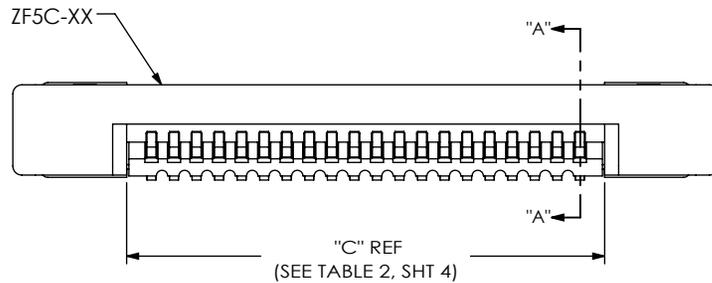
-01 LEAD STYLE  
IN PROCESS 1  
FILL C-297-01-T



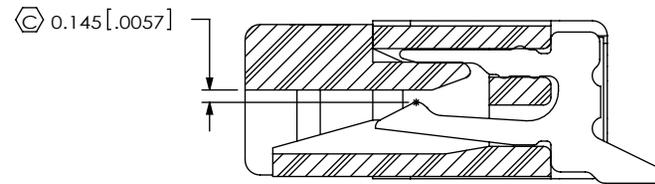
-02 LEAD STYLE  
IN PROCESS 1  
FILL C-297-03-T



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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SHEET SCALE: 10:1

**samtec**

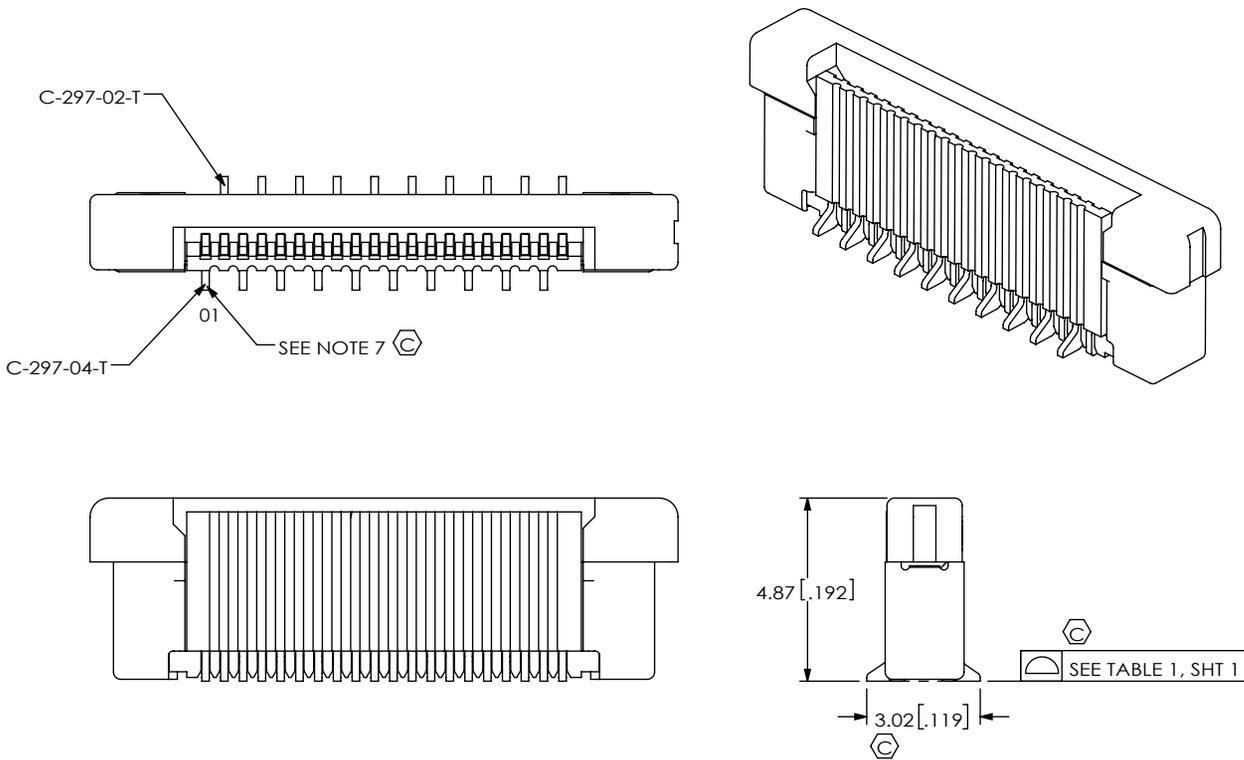
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e-Mail: info@SAMTEC.com code 55322

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ZERO INSERTION FORCE .5mm ASSEMBLY

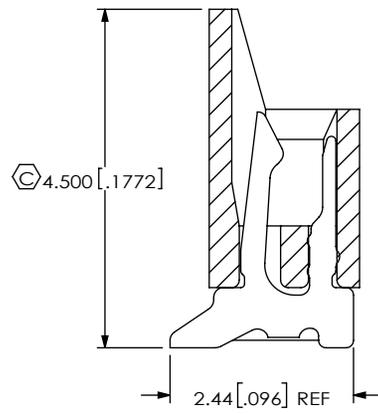
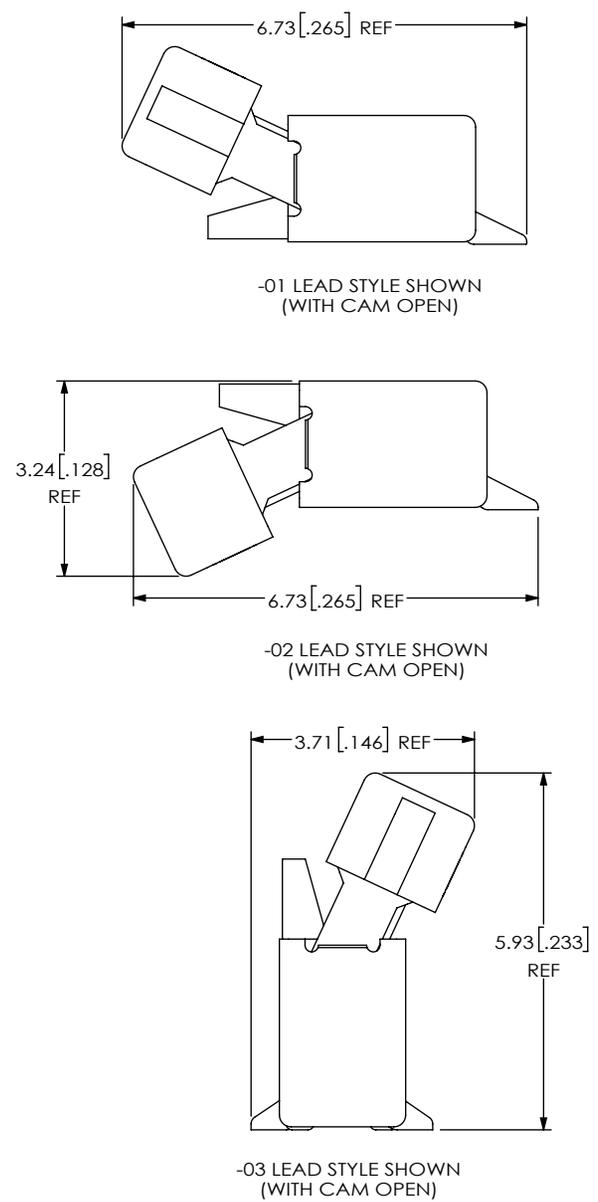
DWG. NO.  
ZF5S-XX-XX-X-WT-X-XX

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

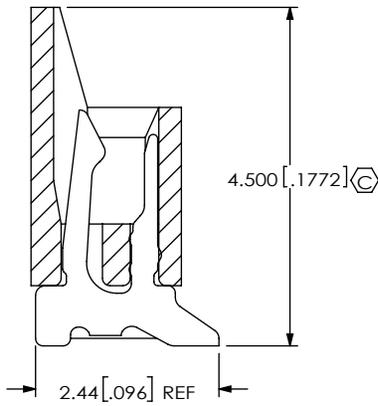
**FIG 2**  
 -03 LEAD STYLE  
 (DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG 1)  
 (ZF5S-20-03-T-WT SHOWN)



**APPLICATION VIEWS**



-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)

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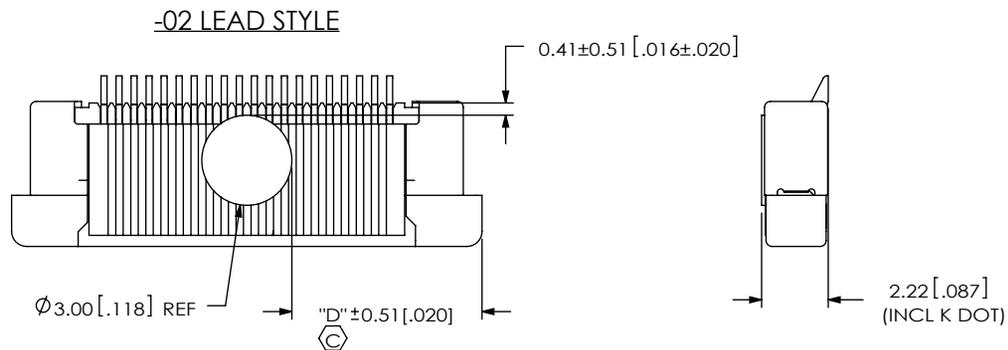
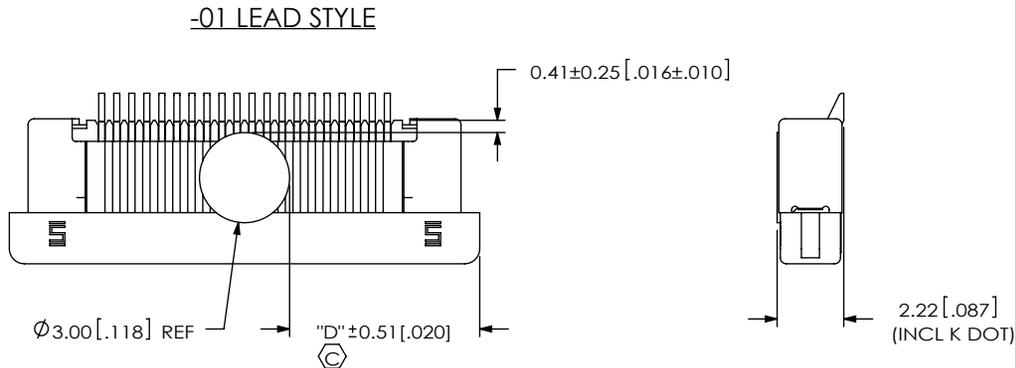
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DESCRIPTION:  
**ZERO INSERTION FORCE .5mm ASSEMBLY**  
 DWG. NO.  
**ZF5S-XX-XX-X-WT-X-XX**

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)



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SHEET SCALE: 4:1

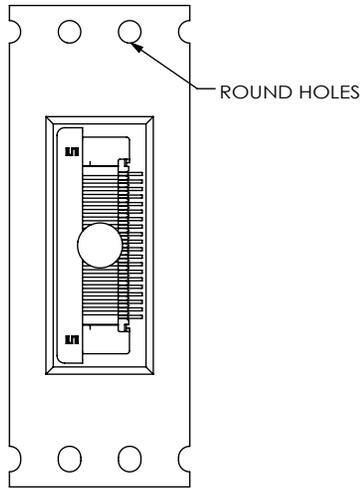
DESCRIPTION:  
ZERO INSERTION FORCE .5mm ASSEMBLY

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

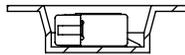
BY: G PURVIS 01/20/2011 SHEET 4 OF 5

PACKAGING VIEWS

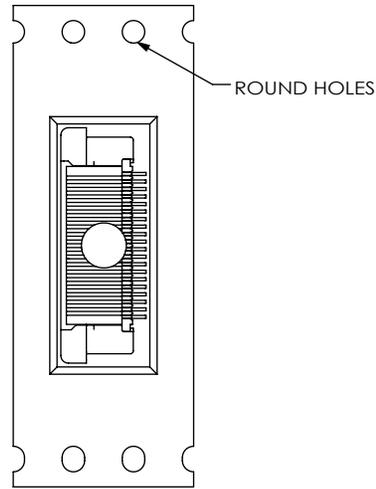
-01 LEAD STYLE  
SHOWN WITH -K OPTION



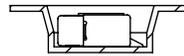
USER DIRECTION OF UN-REELING  
POCKET NOT DETAILED →



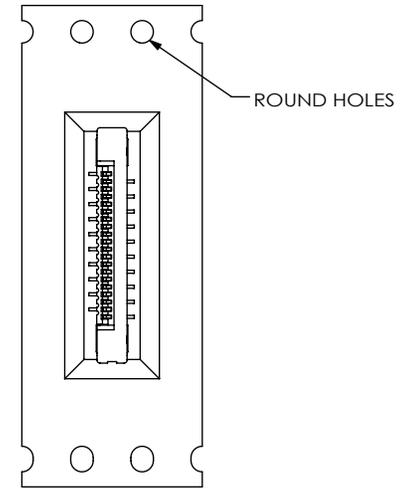
-02 LEAD STYLE  
SHOWN WITH -K OPTION



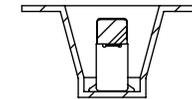
USER DIRECTION OF UN-REELING  
POCKET NOT DETAILED →



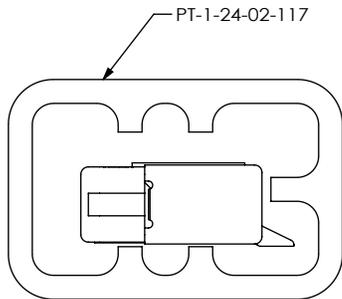
-03 LEAD STYLE



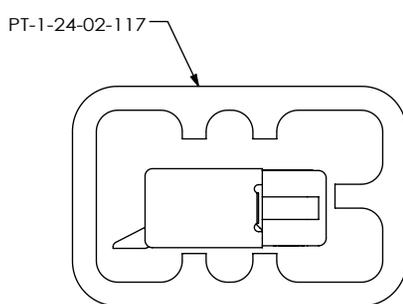
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POCKET NOT DETAILED →



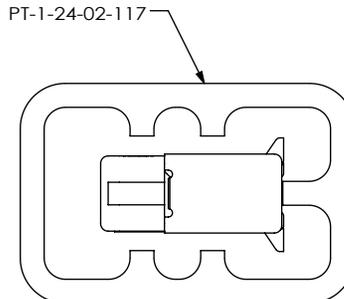
PACKAGING VIEWS  
[PARTS TO HAVE POSITION #1 LOADED IN  
SAME DIRECTION AS ARROW ON TUBE]



-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\ZF55-XX-XX-X-WT-X-XX-MKT.SLDDRW

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DWG. NO.  
**ZF55-XX-XX-X-WT-X-XX**

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