

**DESIGNED & DIMENSIONED
IN MILLIMETERS[INCHES]**

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

DO NOT
SCALE FROM
THIS PRINT

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

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)

WELD TAB

USE WT-60-01-T

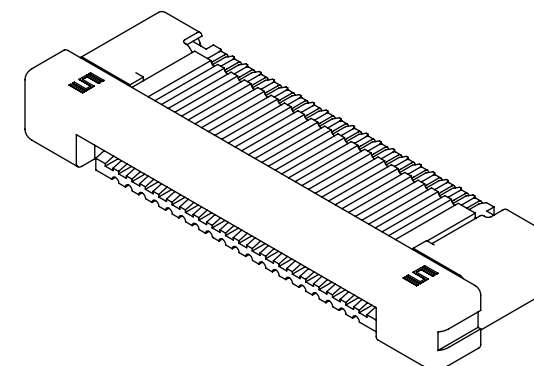
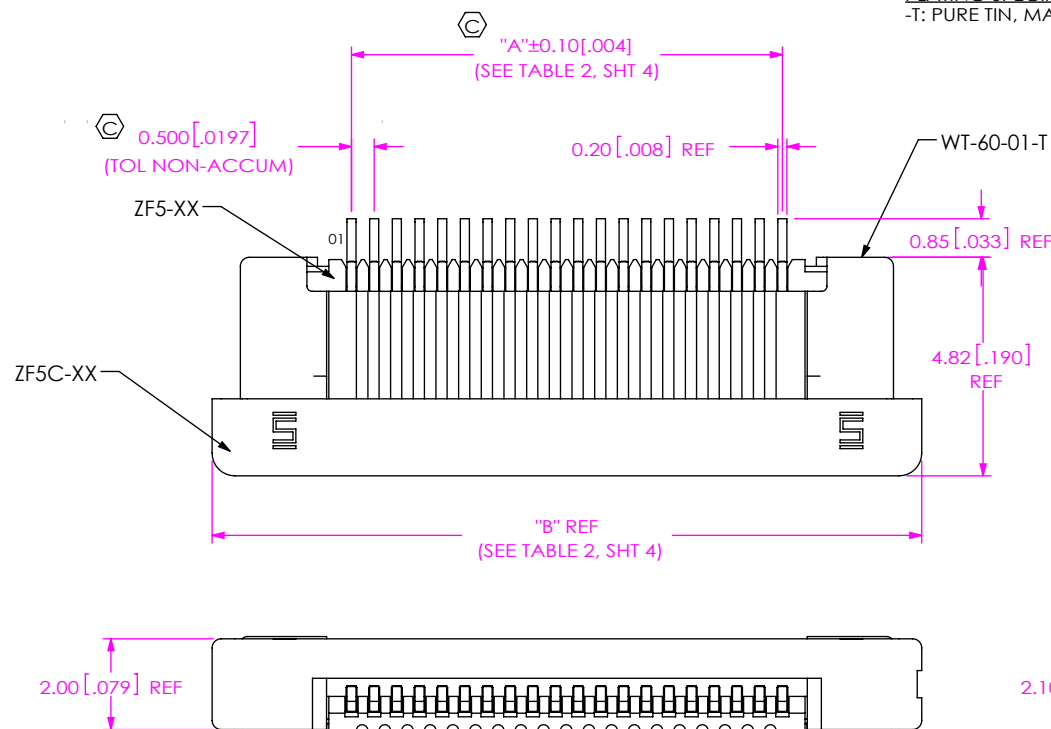


FIG 1

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

TABLE 1	
No OF POS.	COPLANARITY
-04 THRU -30	0.10 [0.004]
-31 THRU -50	0.15 [0.006]

NOTES:

1. 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.
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	ANGLES
X.X: ±0.3 [0.01]	2°
X.XX: ±0.13 [0.005]	
X.XXX: ±0.051 [0.0020]	

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MATERIAL: DO NOT SCALE DRAWING

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

SHEET SCALE: 6:1

DESCRIPTION:

ZERO INSERTION FORCE .5mm ASSEMBLY

DWG. NO.

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

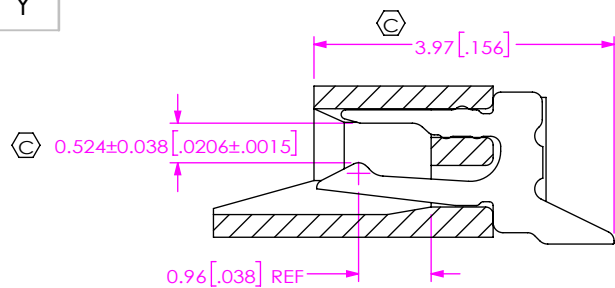
BY: G PURVIS

01/20/2011

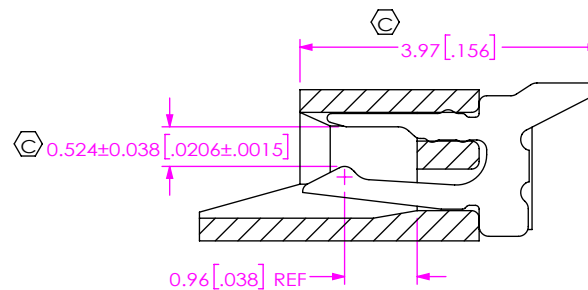
SHEET 1 OF 5

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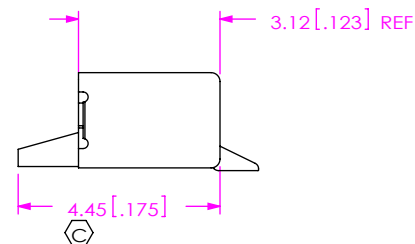
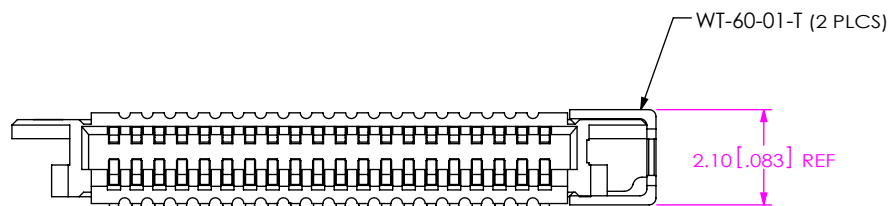
520 PARK EAST BLVD, NEW ALBANY, IN 47150
PHONE: 812-944-6733 FAX: 812-948-5047
e-Mail: info@SAMTEC.com code 55322



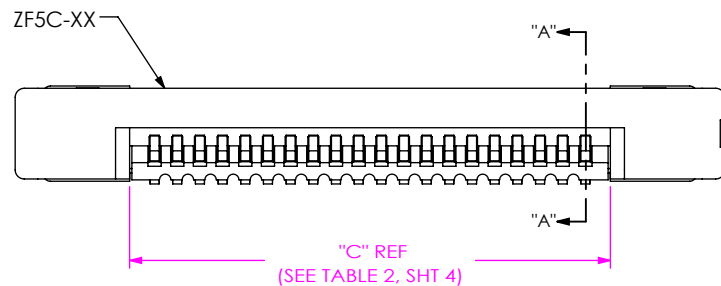
-01 LEAD STYLE
IN PROCESS 1
FILL C-297-01-T



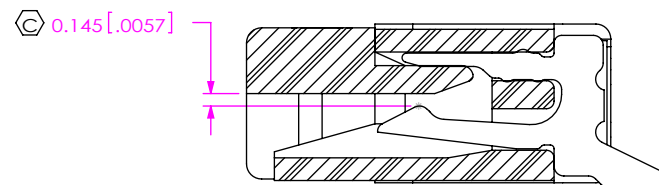
-02 LEAD STYLE
IN PROCESS 1
FILL C-297-03-T



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

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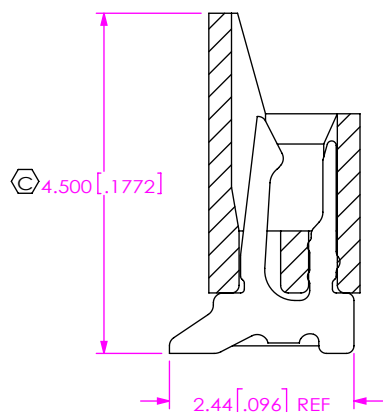
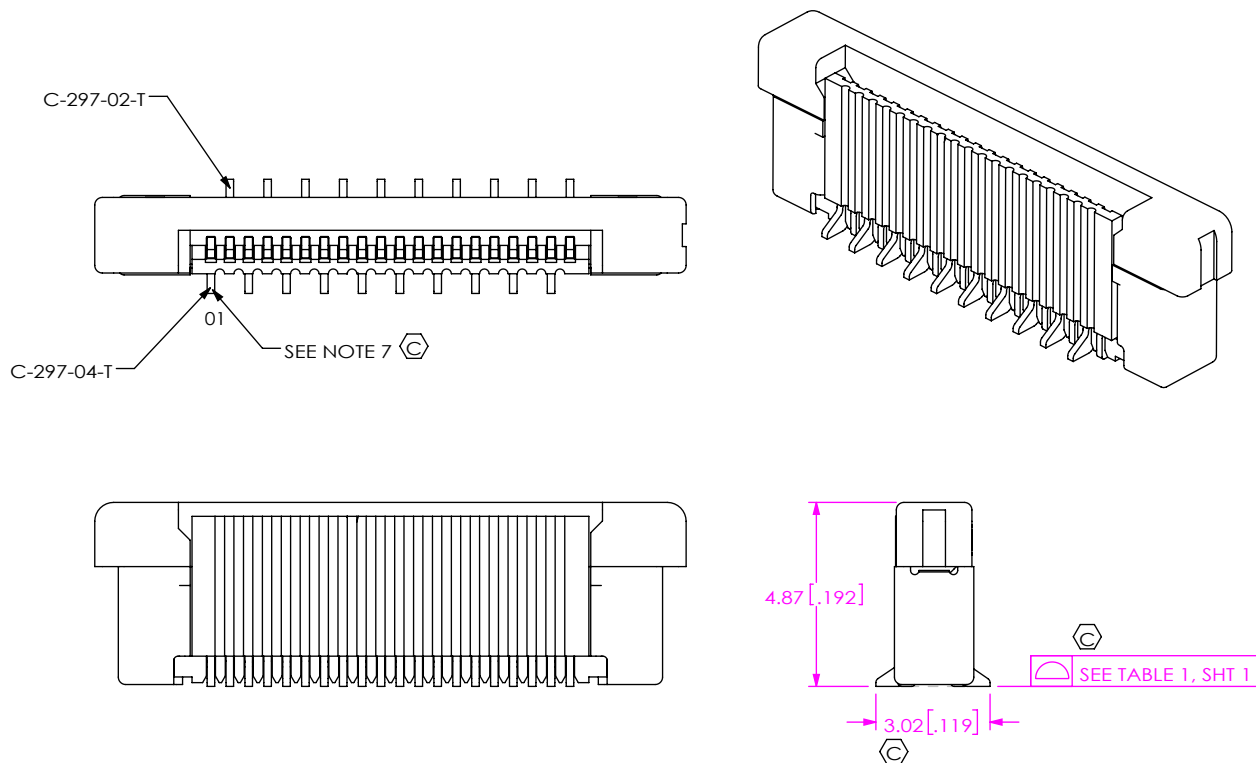
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e-Mail: info@SAMTEC.com code 55322

DESCRIPTION:
ZERO INSERTION FORCE .5mm ASSEMBLY

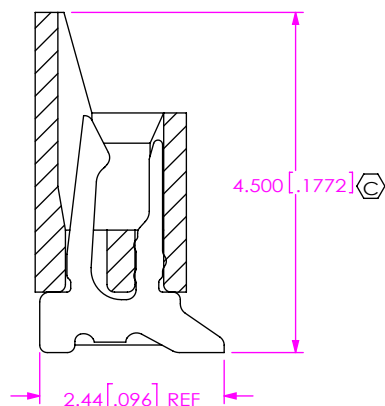
DWG. NO.
ZF5S-XX-XX-X-WT-X-XX

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

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

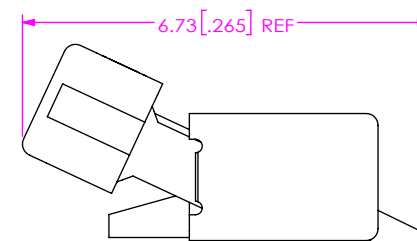


-03 LEAD STYLE
IN PROCESS 1A
FILL C-297-04-T
(SAME AS IN PROCESS 1 FOR -01 LEAD
STYLE EXCEPT AS SHOWN)
(ODD POSITIONS FILLED ONLY)

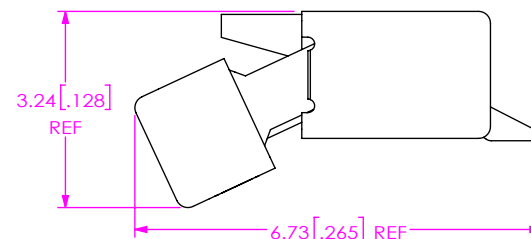


-03 LEAD STYLE
IN PROCESS 1B
FILL C-297-02-T
(SAME AS IN PROCESS 1 FOR -01 LEAD
STYLE EXCEPT AS SHOWN)
(EVEN POSITIONS FILLED ONLY)

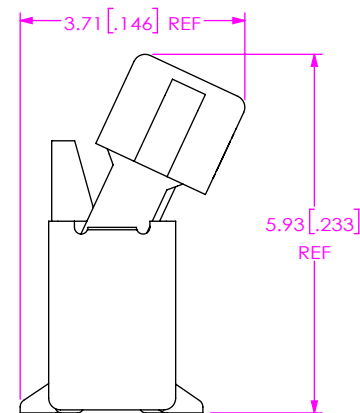
APPLICATION VIEWS



-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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DESCRIPTION:
ZERO INSERTION FORCE .5mm ASSEMBLY

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

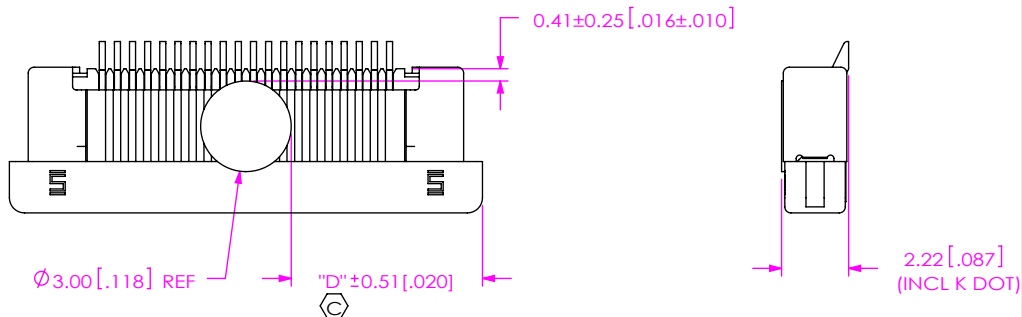
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TABLE 2

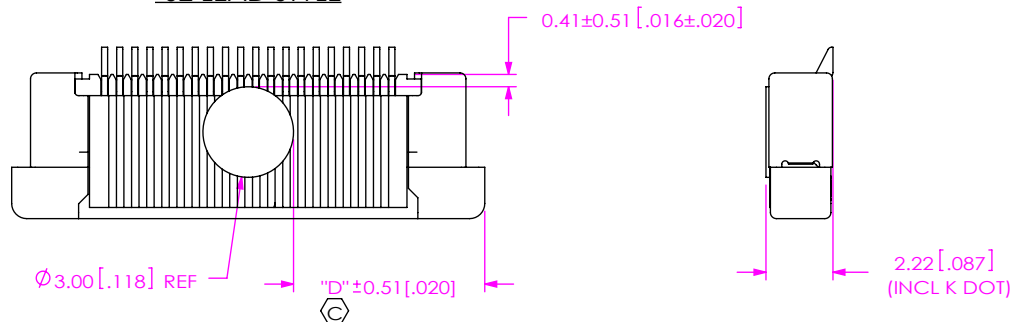
No OF POS	"A"	"B"	"C"	"D"
-04	1.50 [0.059]	7.65 [0.301]	2.60 [0.102]	2.32 [0.091]
-05	2.00 [0.079]	8.15 [0.321]	3.10 [0.122]	2.57 [0.101]
-06	2.50 [0.098]	8.65 [0.341]	3.60 [0.142]	2.82 [0.111]
-07	3.00 [0.118]	9.15 [0.360]	4.10 [0.161]	3.07 [0.121]
-08	3.50 [0.138]	9.65 [0.380]	4.60 [0.181]	3.32 [0.131]
-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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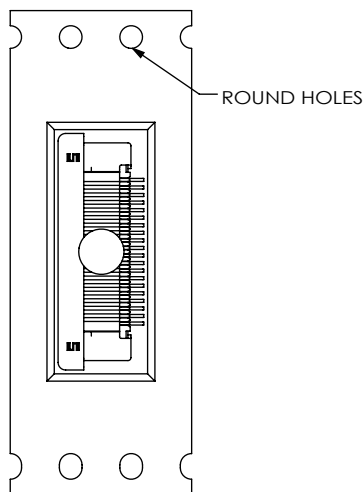
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ZERO INSERTION FORCE .5mm ASSEMBLY

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

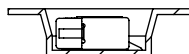
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PACKAGING VIEWS

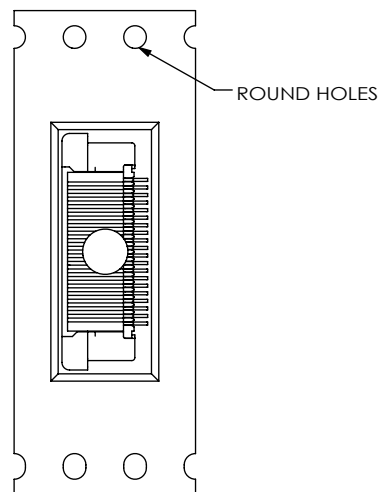
-01 LEAD STYLE
SHOWN WITH -K OPTION



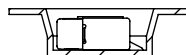
USER DIRECTION OF UN-REELING
POCKET NOT DETAILED →



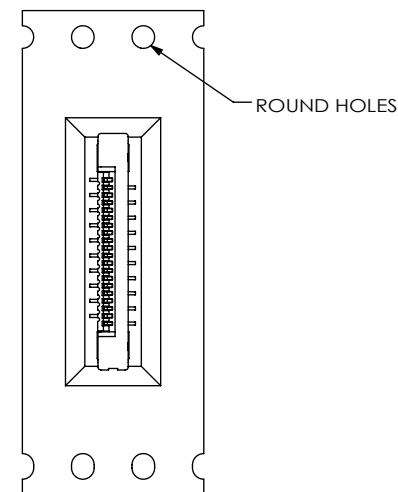
-02 LEAD STYLE
SHOWN WITH -K OPTION



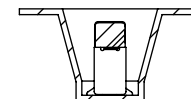
USER DIRECTION OF UN-REELING
POCKET NOT DETAILED →



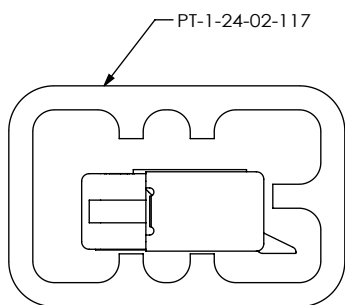
-03 LEAD STYLE



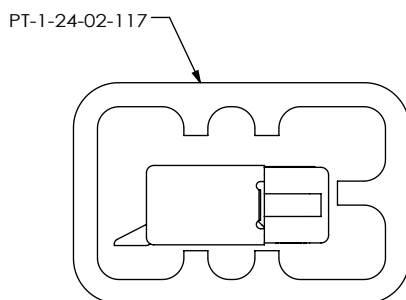
USER DIRECTION OF UN-REELING
POCKET NOT DETAILED →



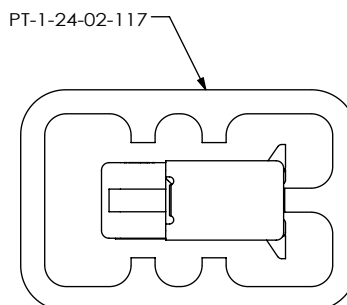
PACKAGING VIEWS
[PARTS TO HAVE POSITION #1 LOADED IN
SAME DIRECTION AS ARROW ON TUBE]



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

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SHEET SCALE: 10:1

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ZERO INSERTION FORCE .5mm ASSEMBLY

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

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[ZF5S-24-02-T-WT-K](#) [ZF5S-26-02-T-WT-K-TR](#) [ZF5S-45-02-T-WT-K-TR](#)