

DO NOT  
SCALE FROM  
THIS PRINT

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

No OF POSITIONS

-04 THRU -50  
(USE ZF5-XX AND  
ZF5C-XX-XX)

LEAD STYLE

-01: USE C-297-01-X  
-02: USE C-298-01-X  
-03: USE C-297-02-X  
& C-298-02-X

OPTION  
-TR: TAPE AND REEL  
(SEE SHEET 4, FIG 3)

OPTION  
-K: KAPTON PAD  
(N/A IN -03 LEAD STYLE)  
(USE K-DOT-.118-.219-.005)  
(SEE SHEET 5, FIG 4)

WELD TAB  
USE WT-60-01-T

PLATING SPECIFICATION  
-T: PURE TIN, MATTE FINISH

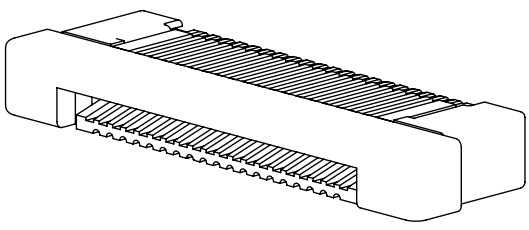
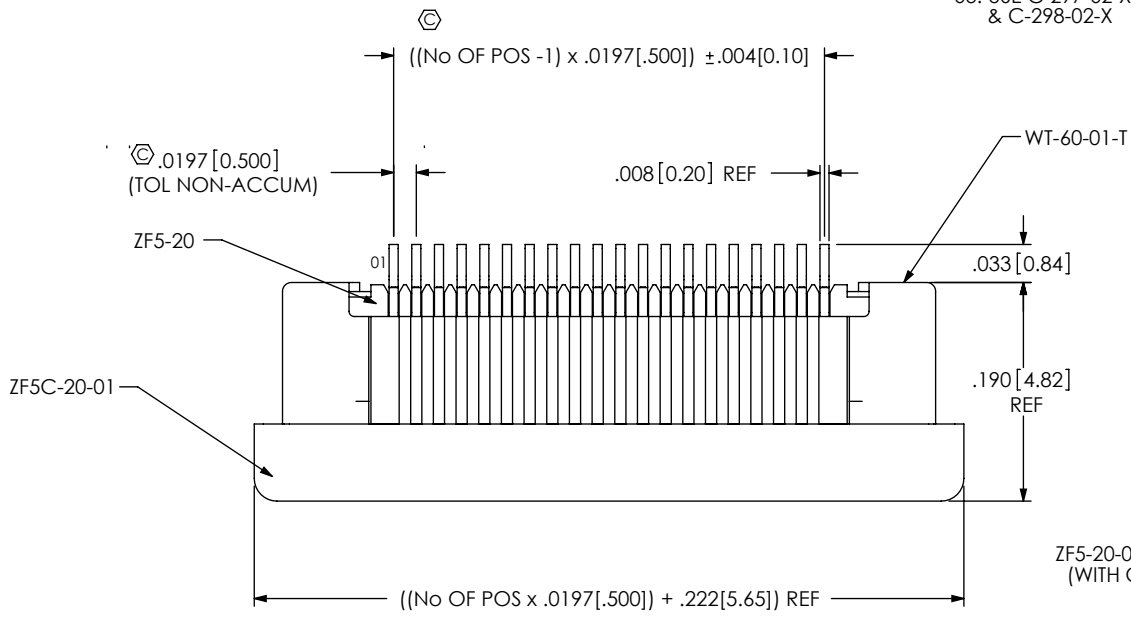


FIG 1  
ZF5-20-01-X-WT SHOWN  
(WITH CAM CLOSED)

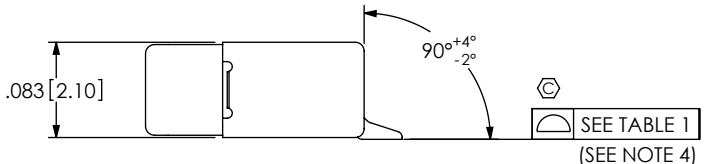
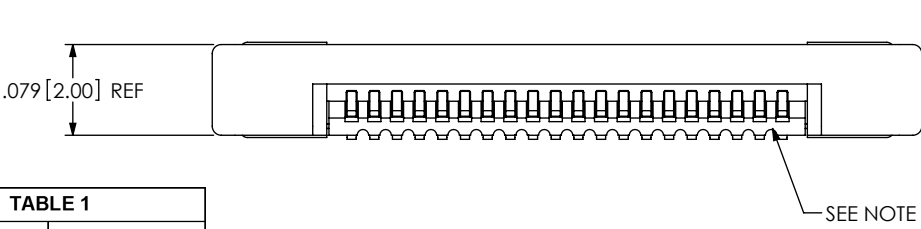
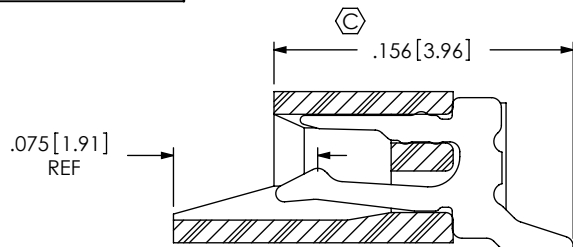


TABLE 1	
No OF POS.	COPLANARITY
-04 THRU -30	.0040[0.101]
-31 THRU -50	.0060[0.152]

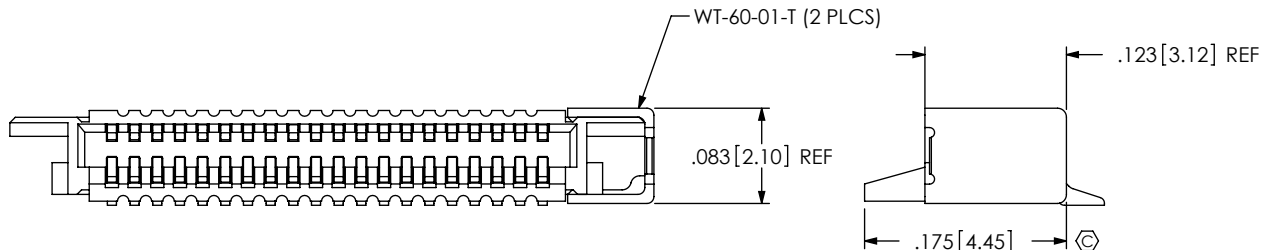
- NOTES:
1.  $\phi$  REPRESENTS A CRITICAL DIMENSION.
  2. MAXIMUM BURR ALLOWANCE: .0010[.025]
  3. MINIMUM PUSHOUT FORCE: 6 OZ.
  4. CO-PLANARITY INCLUDES TAILS AND WELD TABS.
  5. WELD TAB RETENTION: 6 OZ.
  6. BREAKOFF BURR NOT TO EXCEED .007[0.18] AND MUST REMAIN ATTACHED.
  7. PIN 1 TO HAVE ORIENTATION AS SHOWN.  $\phi$
  8. VOIDS TO BE RAN AT VENDOR'S DISCRETION.

UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES. TOLERANCES ARE: DECIMALS ANGLES .XX: $\pm .01 [0.3]$ 2° .XXX: $\pm .005 [0.13]$ .XXXX: $\pm .0020 [0.051]$		<b>PROPRIETARY NOTE</b> THIS DOCUMENT CONTAINS INFORMATION CONFIDENTIAL AND PROPRIETARY TO SAMTEC, INC. AND SHALL NOT BE REPRODUCED OR TRANSFERRED TO OTHER DOCUMENTS OR DISCLOSED TO OTHERS OR USED FOR ANY PURPOSE OTHER THAN THAT WHICH IT WAS OBTAINED WITHOUT THE EXPRESSED WRITTEN CONSENT OF SAMTEC, INC.	
<b>MATERIAL:</b> DO NOT SCALE DRAWING HOUSING: LCP, COLOR: NATURAL CAM SLIDER: LCP, COLOR: BLACK CONTACT: PHOS BRONZE WELD TAB: BRASS MAX FLASH ALLOWED: .002 MAX GATE VESTIGE: .002 F:\DWG\MISC\MKTG\ZF5S-XX-XX-XX-WT-X-XX-MKT.SLDDRW		<b>SHEET SCALE:</b> 6:1	
		<b>DESCRIPTION:</b> ZERO INSERTION FORCE .5mm ASSEMBLY	
		<b>DWG. NO.</b> ZF5S-XX-XX-XX-WT-X-XX	
		<b>BY:</b> G PURVIS 01/20/2011 <b>SHEET 1 OF 5</b>	

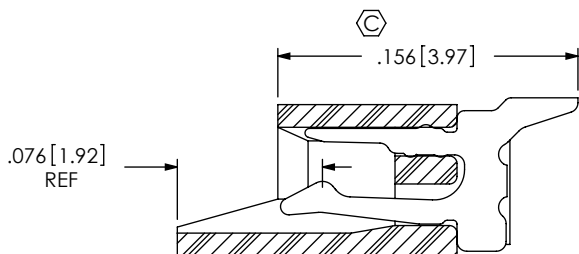
REVISION N



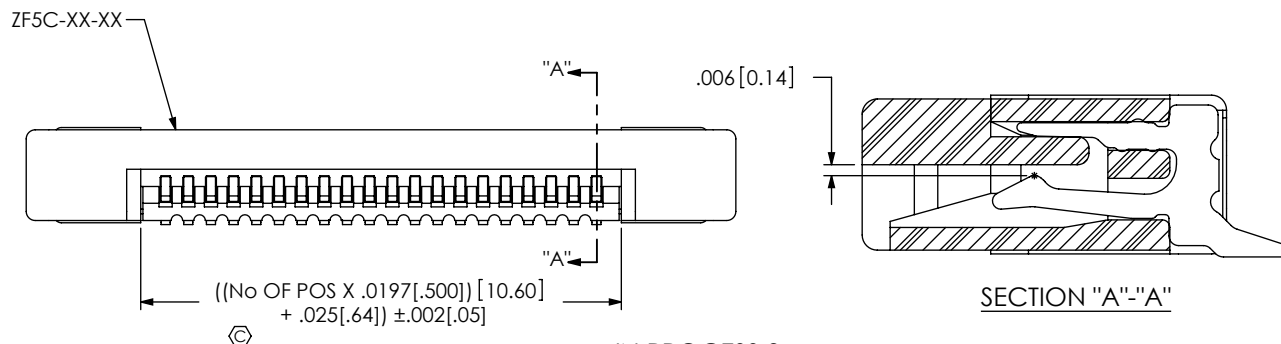
-01 LEAD STYLE  
IN PROCESS 1  
FILL C-297-01-X



IN PROCESS 2  
FILL WT-60-01-X  
(SOME FEATURES REMOVED FOR CLARITY)



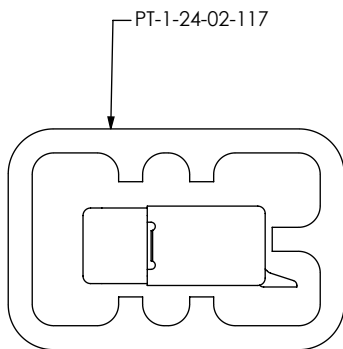
-02 LEAD STYLE  
IN PROCESS 1  
FILL C-298-01-X



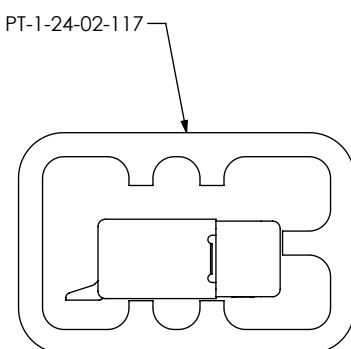
SECTION "A"-"A"

IN PROCESS 3  
INSERT ZF5C-XX-XX  
(CAM SHOWN IN CLOSED POSITION)

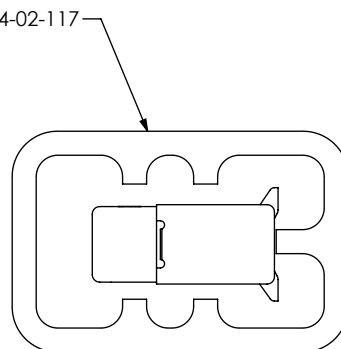
PACKAGING VIEWS  
(-TR OPTION SHOWN ON SHEET 4)  
[PARTS TO HAVE POSITION #1 LOADED IN  
SAME DIRECTION AS ARROW ON TUBE]



-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-XX-WT-X-XX-MKT.SLDDRW

PROPRIETARY NOTE

THIS DOCUMENT CONTAINS INFORMATION  
CONFIDENTIAL AND PROPRIETARY TO  
SAMTEC, INC. AND SHALL NOT BE REPRODUCED  
OR TRANSFERRED TO OTHER DOCUMENTS OR  
DISCLOSED TO OTHERS OR USED FOR ANY  
PURPOSE OTHER THAN THAT WHICH IT WAS  
OBTAINED WITHOUT THE EXPRESSED WRITTEN  
CONSENT OF SAMTEC, INC.

DO NOT SCALE DRAWING

SHEET SCALE: 10:1

**samtec**

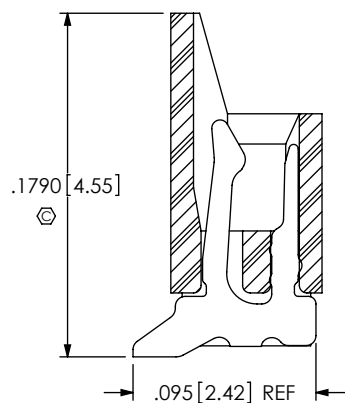
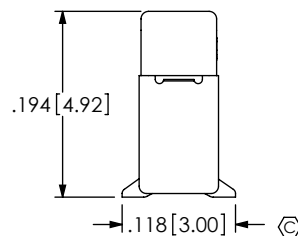
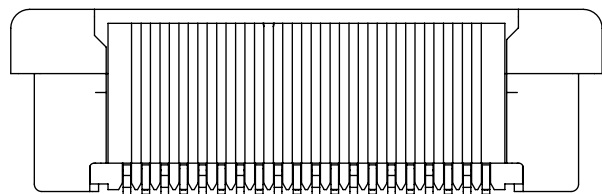
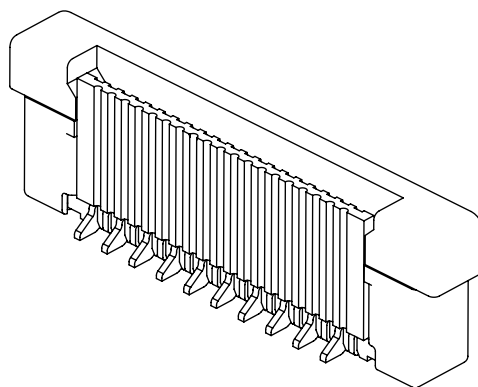
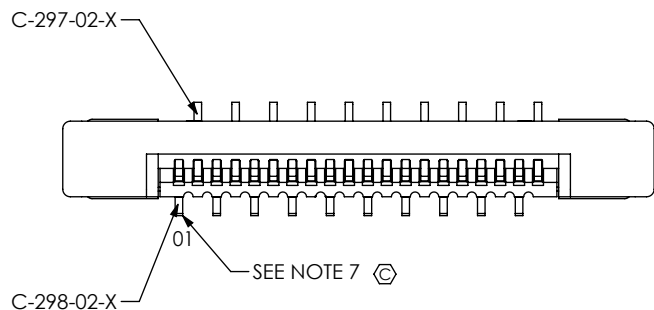
520 PARK EAST BLVD, NEW ALBANY, IN 47150  
PHONE: 812-944-6733 FAX: 812-948-5047  
e-Mail info@SAMTEC.com code 55322

DESCRIPTION:  
ZERO INSERTION FORCE .5mm ASSEMBLY

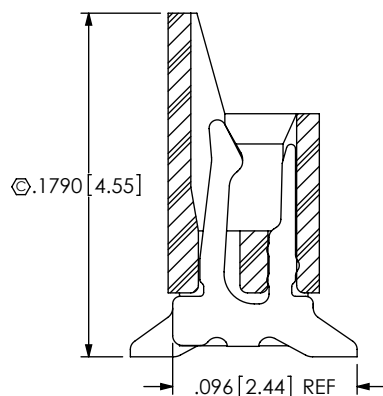
DWG. NO. ZF5S-XX-XX-XX-WT-X-XX

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

-03 LEAD STYLE  
(DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG 1)  
(ZF5-20-03-T-WT SHOWN)

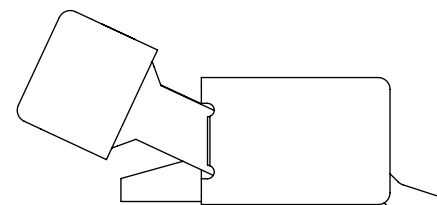


-03 LEAD STYLE  
IN PROCESS 1A  
FILL C-298-02-X  
(SAME AS IN PROCESS 1 FOR -01 LEAD  
STYLE EXCEPT AS SHOWN)  
(ODD POSITIONS FILLED ONLY)

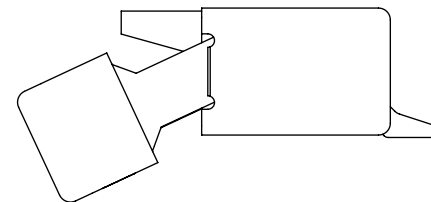


-03 LEAD STYLE  
IN PROCESS 1B  
FILL C-297-02-X  
(SAME AS IN PROCESS 1 FOR -01 LEAD  
STYLE EXCEPT AS SHOWN)  
(EVEN POSITIONS FILLED ONLY)

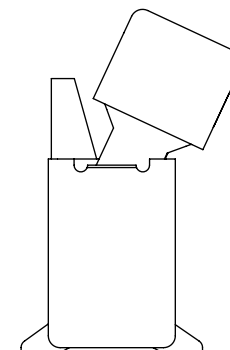
APPLICATION VIEWS



-01 LEAD STYLE SHOWN  
(WITH CAM OPEN)



-02 LEAD STYLE SHOWN  
(WITH CAM OPEN)



-03 LEAD STYLE SHOWN  
(WITH CAM OPEN)

F:\DWG\MISC\MKTG\ZF5S-XX-XX-XX-WT-X-XX-MKT.SLDDRW

PROPRIETARY NOTE

THIS DOCUMENT CONTAINS INFORMATION  
CONFIDENTIAL AND PROPRIETARY TO  
SAMTEC, INC. AND SHALL NOT BE REPRODUCED  
OR TRANSFERRED TO OTHER DOCUMENTS OR  
DISCLOSED TO OTHERS OR USED FOR ANY  
PURPOSE OTHER THAN THAT WHICH IT WAS  
OBTAINED WITHOUT THE EXPRESSED WRITTEN  
CONSENT OF SAMTEC, INC.

DO NOT SCALE DRAWING

SHEET SCALE: 5:1

**samtec**

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

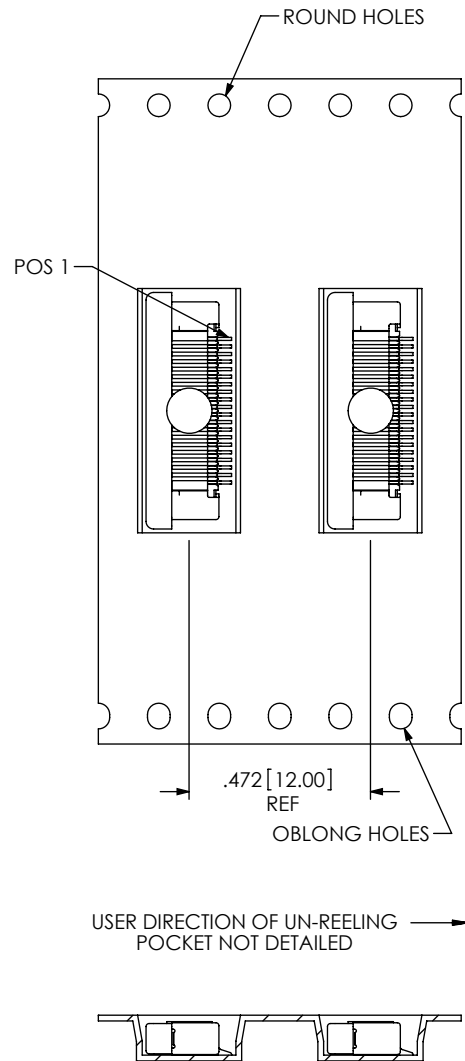
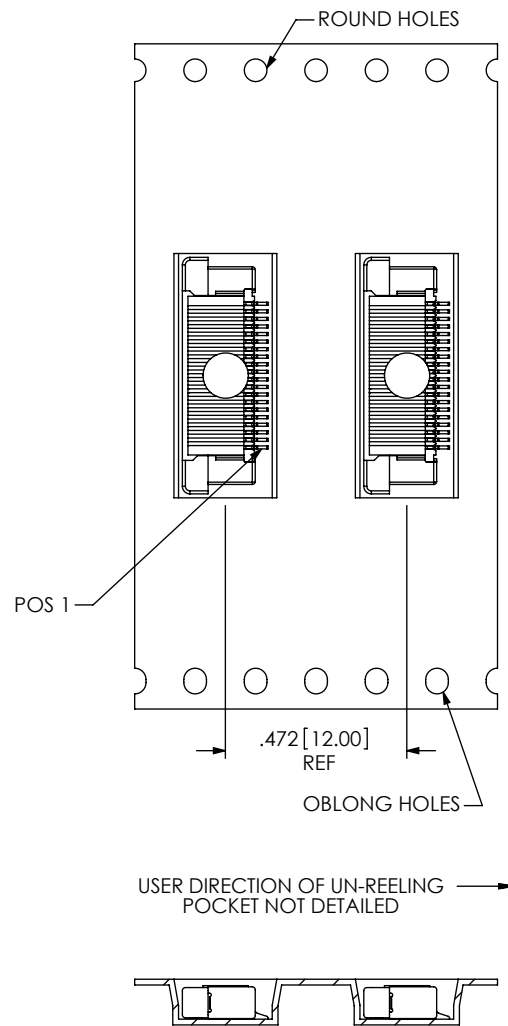
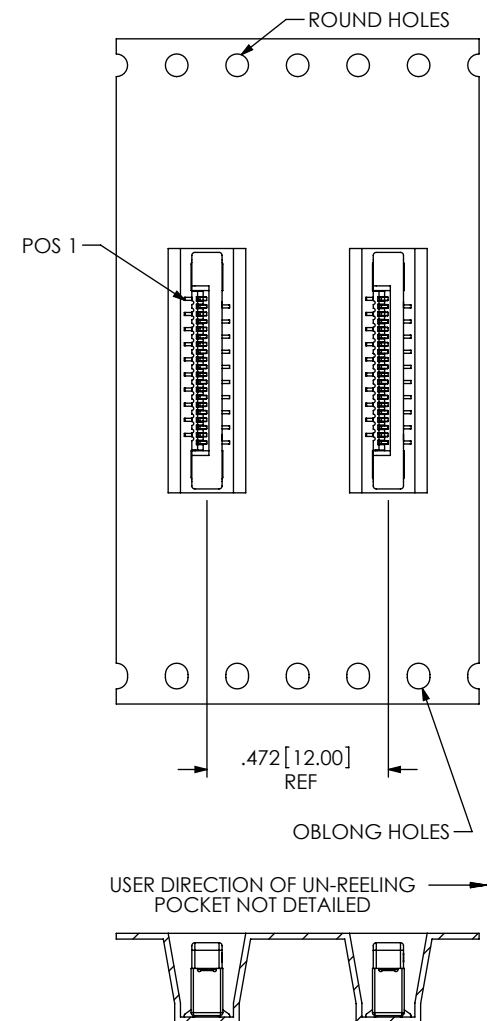
DESCRIPTION:

ZERO INSERTION FORCE .5mm ASSEMBLY

DWG. NO.

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

BY: G PURVIS 01/20/2011 SHEET 3 OF 5

**-01 LEAD STYLE**  
SHOWN WITH -K OPTION**-02 LEAD STYLE**  
SHOWN WITH -K OPTION**-03 LEAD STYLE****PROPRIETARY NOTE**

THIS DOCUMENT CONTAINS INFORMATION  
CONFIDENTIAL AND PROPRIETARY TO  
SAMTEC, INC. AND SHALL NOT BE REPRODUCED  
OR TRANSFERRED TO OTHER DOCUMENTS OR  
DISCLOSED TO OTHERS OR USED FOR ANY  
PURPOSE OTHER THAN THAT WHICH IT WAS  
OBTAINED WITHOUT THE EXPRESSED WRITTEN  
CONSENT OF SAMTEC, INC.

SHEET SCALE: 2:1

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

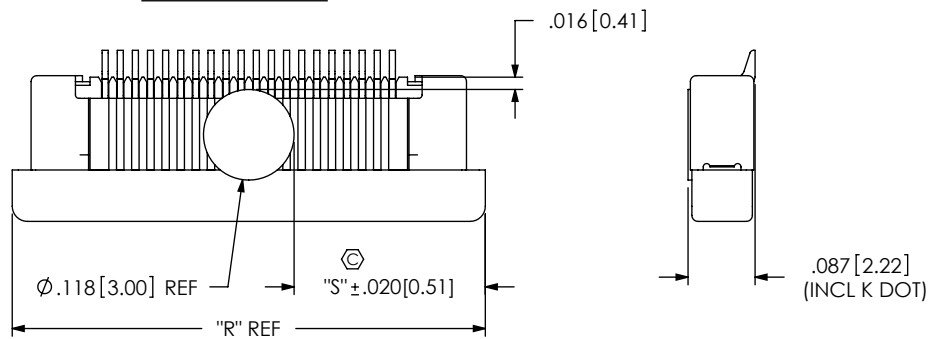
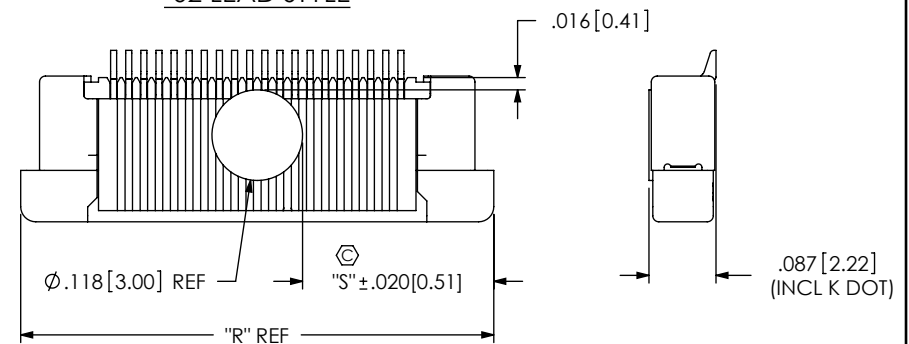
DESCRIPTION:  
ZERO INSERTION FORCE .5mm ASSEMBLY

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

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

FIG 4  
KAPTON PAD  
(USE K-DOT-.118-.219-.005)  
(DIFFERENT AS SHOWN, OTHERWISE SAME AS FIG 1)

NOTE: "R" = OVERALL LENGTH  
"S" =  $\{("R" - .118[3.00]) / 2\} \pm .020[.51]$

-01 LEAD STYLE-02 LEAD STYLEPROPRIETARY NOTE

THIS DOCUMENT CONTAINS INFORMATION  
CONFIDENTIAL AND PROPRIETARY TO  
SAMTEC, INC. AND SHALL NOT BE REPRODUCED  
OR TRANSFERRED TO OTHER DOCUMENTS OR  
DISCLOSED TO OTHERS OR USED FOR ANY  
PURPOSE OTHER THAN THAT WHICH IT WAS  
OBTAINED WITHOUT THE EXPRESSED WRITTEN  
CONSENT OF SAMTEC, INC.

SHEET SCALE: 4:1

**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-XX-WT-X-XX

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

# Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[Samtec:](#)

[ZF5S-31-01-T-WT-K-TR](#)