



**THE DATASHEET OF
TEMS-130-02-04.0-H-D-A-K-TR**



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

**DO NOT
SCALE FROM
THIS PRINT**

TEMX-1XX-XX-XX.X-XX-D-XX-X-XX

PACKAGING
 BLANK: TRAY (SEE NOTES 4 & 9)
 -TR: TAPE & REEL (SEE NOTES 9 & 10)
 -FR: FULL REEL QTY TAPE & REEL (SEE NOTES 9 & 10)

PICK & PLACE OPTION
 -K: POLYIMIDE FILM (USE K-DOT-217-.313-.005, SEE FIG 5, SHT 2)

OPTION
 -A: ALIGNMENT PIN (SEE FIG 2, SHT 2) (NOT AVAILABLE WITH -LC, -WT, -L1)
 -LC: LOCKING CLIP (SEE FIG 3, SHT 2) (NOT AVAILABLE WITH -A, -WT, -L1)
 -WT: WELD TAB (SEE FIG 4, SHT 2) (NOT AVAILABLE WITH -A, -LC, -L1)
 -L1: LATCHING (SEE FIG 7, SHT 3) (ONLY AVAILABLE ON -03.0 STACK HEIGHT AND 5 - 20 POS) (NOT AVAILABLE WITH -A, -LC, -WT)

ROW SPECIFICATION
 -D: DOUBLE ROW

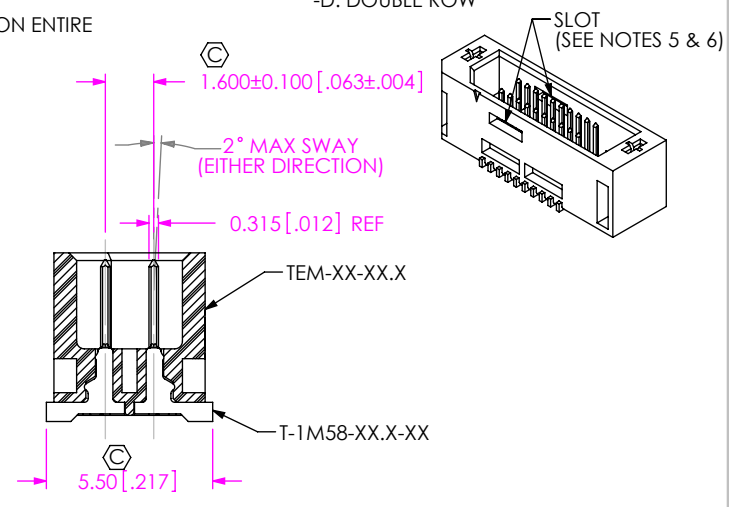
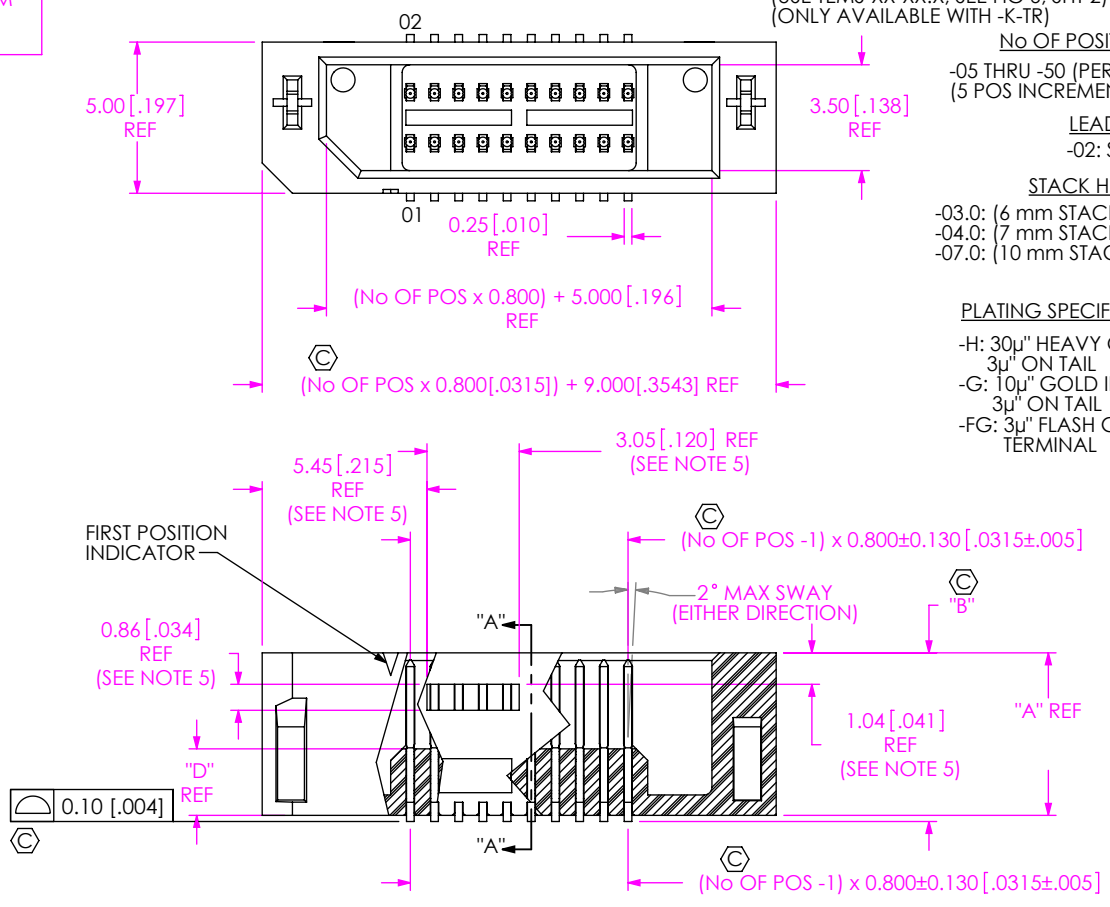
BODY OPTION
 (LEAVE BLANK IF OPTION NOT USED)
 S: SLIM (NOT AVAILABLE WITH -LC, -WT OR -L1) (USE TEMS-XX-XX.X, SEE FIG 6, SHT 2) (ONLY AVAILABLE WITH -K-TR)

No OF POSITIONS
 -05 THRU -50 (PER ROW) (5 POS INCREMENTS)

LEAD STYLE
 -02: SURFACE MOUNT

STACK HEIGHT
 -03.0: (6 mm STACK HEIGHT) (T-1M58-03.0-XX)
 -04.0: (7 mm STACK HEIGHT) (T-1M58-04.0-XX)
 -07.0: (10 mm STACK HEIGHT) (T-1M58-07.0-XX)

PLATING SPECIFICATION
 -H: 30µ" HEAVY GOLD IN CONTACT AREA 3µ" ON TAIL
 -G: 10µ" GOLD IN CONTACT AREA 3µ" ON TAIL
 -FG: 3µ" FLASH GOLD ON ENTIRE TERMINAL



SECTION "A"- "A"

FIG 1
 TEM-110-02-03.0-XX-D SHOWN

STACK HEIGHT	"A"	"B"	"C"	"D"
-03.0	5.375 [.2116]	5.610 [.2209]	5.742 [.2261]	2.200 [.0866]
-04.0	6.375 [.2510]	6.610 [.2602]	6.742 [.2654]	3.200 [.1260]
-07.0	9.375 [.3690]	9.610 [.3783]	9.472 [.3729]	6.200 [.2441]

- NOTES:
- ① REPRESENTS A CRITICAL DIMENSION.
 - MINIMUM PUSHOUT FORCE FOR TERMINAL, LOCKING CLIP AND WELD TAB: 2.22N [0.50LBF].
 - MAXIMUM POST HEIGHT VARIATION BETWEEN ANY TWO PINS: 0.13 [.005]
 - TEM PARTS TO BE PACKAGED IN TRAYS UNLESS OTHERWISE SPECIFIED. TEMS PARTS TO BE PACKAGED IN TAPE & REEL.
 - POSITIONS -05 THRU -20 WILL HAVE ONLY ONE SLOT PER SIDE. POSITIONS -25 THRU -40 WILL HAVE TWO SLOTS PER SIDE. POSITIONS -45 THRU -50 WILL HAVE THREE SLOTS PER SIDE.
 - SLOTS ONLY AVAILABLE IN -03.0 LEAD STYLE.
 - NOTE DELETED.
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 - ORDERS WILL BE PACKAGED ACCORDING TO THE SAMTEC PACKAGING EFFICIENCY STANDARDS (SPES) FOUND ON WWW.SAMTEC.COM.
 - ATTACH LABEL -4X2 TO EACH REEL.

UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN MILLIMETERS.

TOLERANCES ARE:
 DECIMALS ANGLES
 X.X: ±0.3 [.01] 2°
 X.XX: ±0.13 [.005]
 X.XXX: ±0.051 [.0020]

MATERIAL: DO NOT SCALE DRAWING SHEET SCALE: 4:1

INSULATOR: LCP, COLOR: BLACK
 -L OPTION ONLY: LCP, COLOR: NATURAL

TERMINAL AND LOCKING CLIP: PHOS BRONZE 510
 WELD TAB: BRASS ALLOY 260, FULL HARD

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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

DESCRIPTION:
 0.8 mm TIGER EYE MICRO TERMINAL

DWG. NO.
 TEMX-1XX-XX-XX.X-XX-D-XX-X-XX

BY: B RAY 10/18/2007 SHEET 1 OF 3

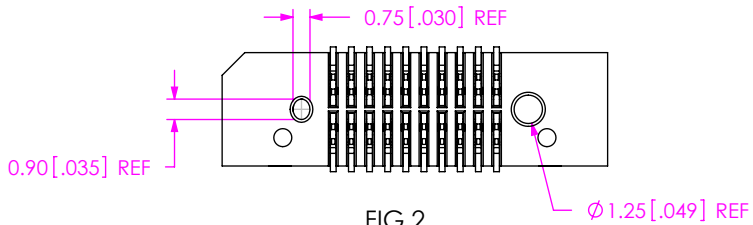
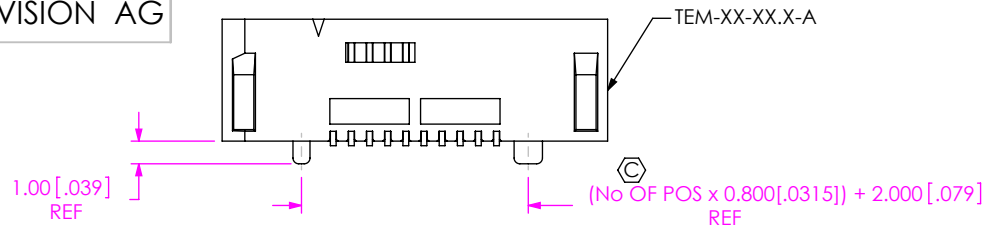


FIG 2
TEM-110-02-03.0-XX-D-A SHOWN
(SAME AS FIG 1, DIFFERENT AS SHOWN)

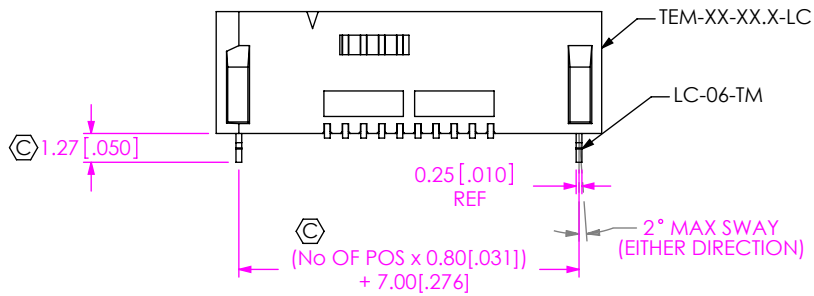


FIG 3
TEM-110-02-03.0-XX-D-LC SHOWN
(SAME AS FIG 1, DIFFERENT AS SHOWN)

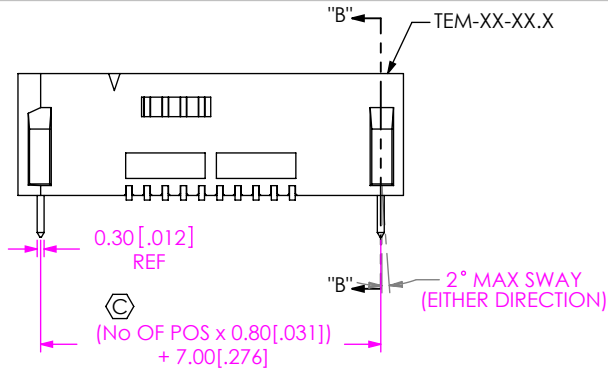
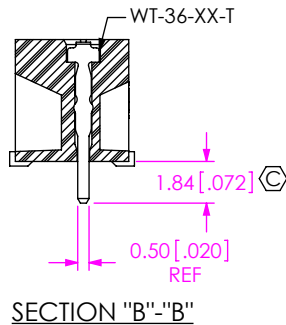


FIG 4
TEM-110-02-03.0-XX-D-WT SHOWN
(SAME AS FIG 1, DIFFERENT AS SHOWN)



SECTION "B"-"B"

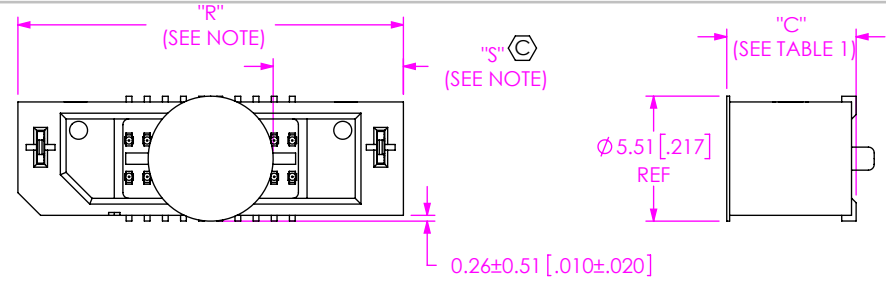


FIG 5
TEM-110-02-03.0-XX-D-K SHOWN
(SAME AS FIG 1, DIFFERENT AS SHOWN)

NOTE: "R" = OVERALL LENGTH (REF)
"S" = $\{("R" - 5.51 [.217]) / 2 [.0787]\} \pm 0.51 [.020]$

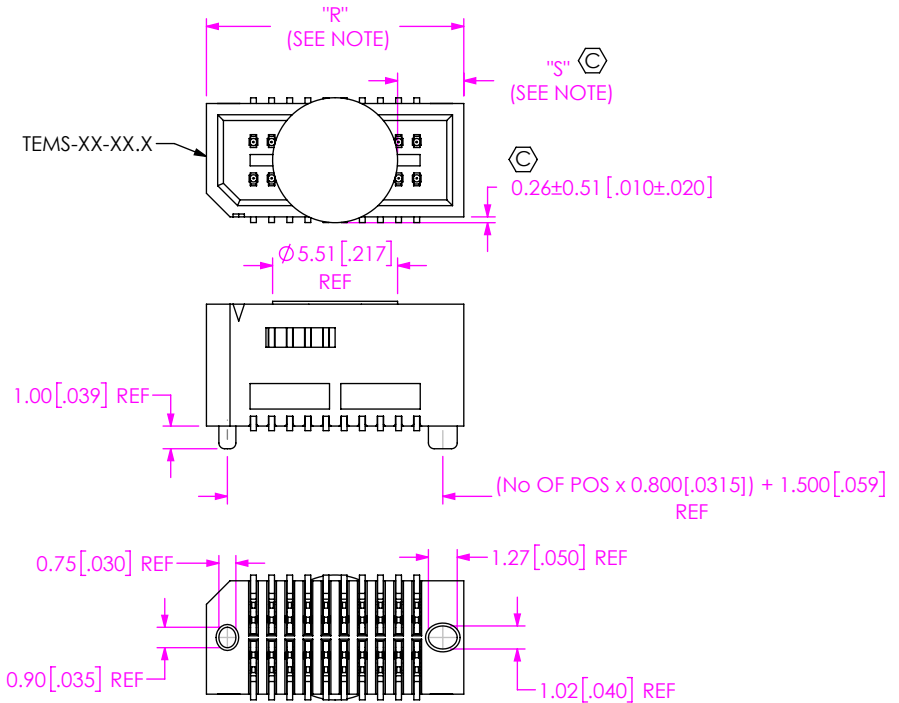


FIG 6
TEMS-110-02-03.0-XX-D-A-K SHOWN
(SAME AS FIG 1, DIFFERENT AS SHOWN)

NOTE: "R" = $((\text{No OF POS} \times 0.800) + 3.35) \pm 0.05$
"S" = $\{("R" - 5.51 [.217]) / 2 [.0787]\} \pm 0.51 [.020]$

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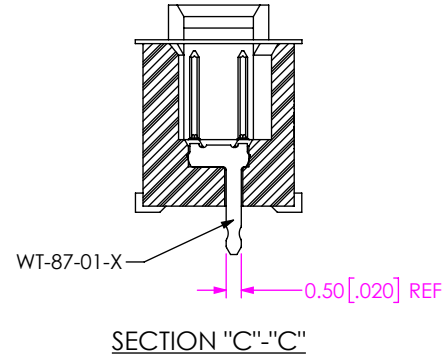
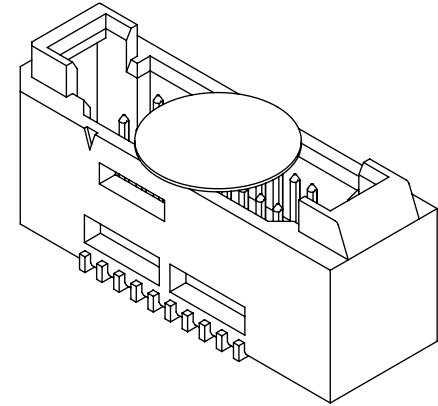
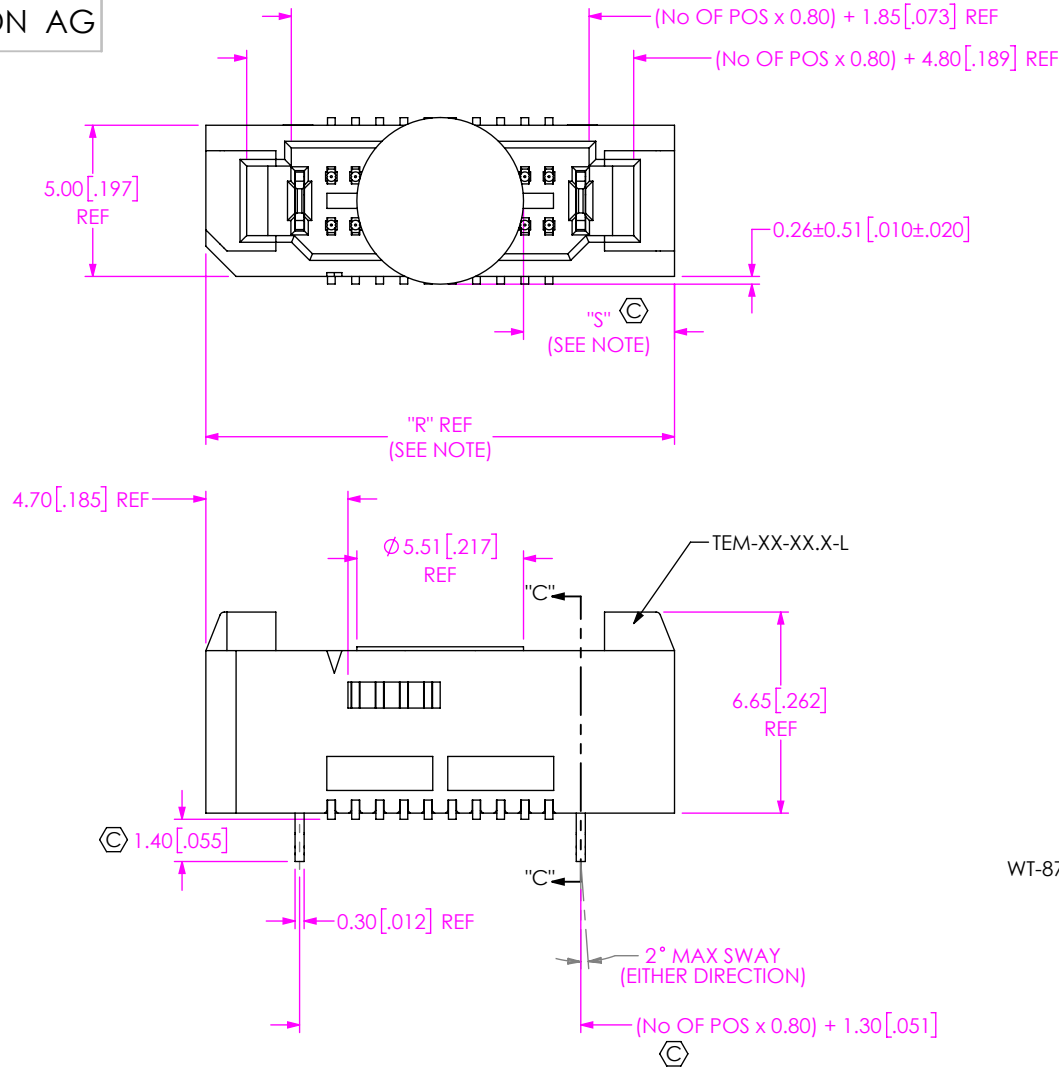
DO NOT SCALE DRAWING
SHEET SCALE: 3:1



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DWG. NO.
TEMX-1XX-XX-XX.X-XX-D-XX-X-XX
BY: B RAY 10/18/2007 SHEET 2 OF 3

TABLE 2	
STACK HEIGHT	WELD TAB
-03.0	WT-36-02-X
-04.0	WT-36-03-X
-07.0	WT-36-04-X



NOTE: "R" = (No OF POS x 0.80) + 7.50 [.295] REF
 "S" = {("R" - 5.51 [.217])/2} ± 0.51 [.020]

FIG 7
 TEM-1 10-02-03.0-XX-D-L1-K SHOWN
 (SAME AS FIG 1, DIFFERENT AS SHOWN)

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SHEET SCALE: 4:1

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