

DO NOT
SCALE FROM
THIS PRINT

DESIGNED & DIMENSIONED
IN MILLIMETERS[INCHES]

PETC-XX-XX-XX-01-X-RA-XX-X

* POWER POSITIONS (PER END)
-01, -02, -04

* SIGNAL POSITIONS
-12
-40

* POWER POSITIONS (PER END)
-01, -02, -04

LEAD STYLE
-01

OPTION
-L: LATCH EARS
(SEE FIG 5, SHT 3)

OPTION **
-SD: SCREW DOWN
(SEE FIG 1, SHT 1)
-LC: LOCKING CLIP
(USE LC-11-TM)
(SEE FIG 2, SHT 2)

RIGHT ANGLE

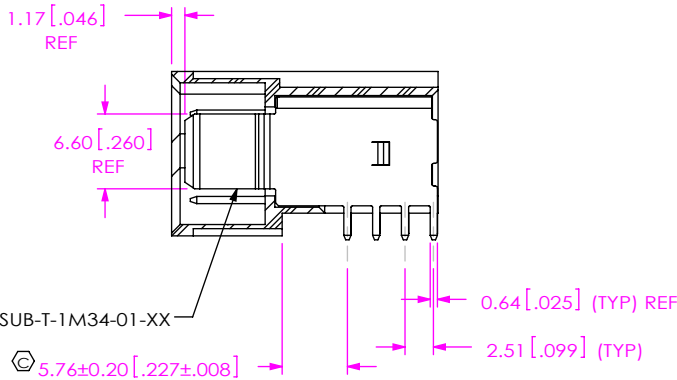
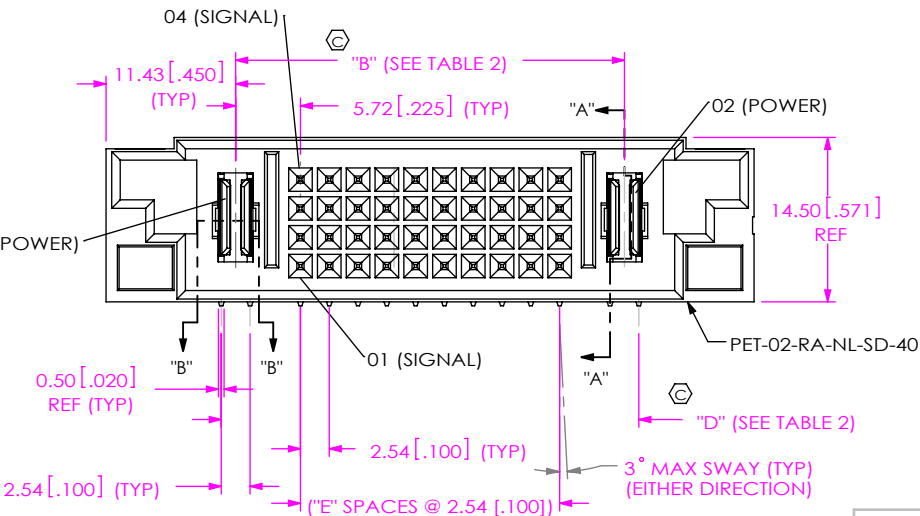
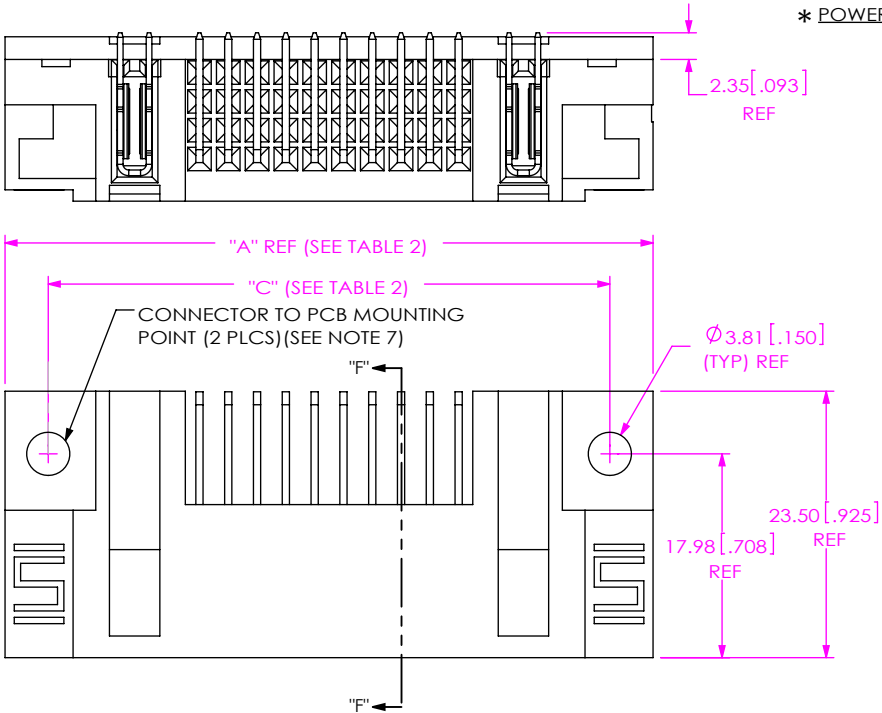
PLATING SPECIFICATION

-S: 30µ" SELECTIVE GOLD IN CONTACT
AREA, MATTE TIN ON TAIL
-T: MATTE TIN CONTACT AND TAIL
-L: 10µ" LIGHT SELECTIVE GOLD IN
CONTACT AREA, MATTE TIN ON TAIL

* - SEE TABLE 1 FOR AVAILABLE COMBINATIONS
** - BLANK ONLY FOR EXISTING CUSTOMERS

TABLE 1

PART NUMBER	MAX	"E"
PETC-01-40-01-01-X-RA-XX	0.15 [.006]	9
PETC-02-40-02-01-X-RA-XX	0.15 [.006]	9
PETC-04-40-04-01-X-RA-XX	0.20 [.008]	9
PETC-01-12-01-01-X-RA-XX	0.15 [.006]	2
PETC-02-12-02-01-X-RA-XX	0.15 [.006]	2
PETC-04-12-04-01-X-RA-XX	0.15 [.006]	2



SECTION "A"- "A"

NOTES:

1. Ⓢ REPRESENTS A CRITICAL DIMENSION.
2. MAXIMUM BURR ALLOWANCE: 0.13[.005]
3. MINIMUM PUSHOUT FORCE: 2.22N [.5 LB].
4. PARTS TO BE PACKAGED IN TRAYS.
5. PARTS PLACED IN TRAY WITH PIN #1 FACING THE RIGHT SIDE, DUE TO PIN NUMBERING ORDER.
6. IF EMPTY SPACE EXISTS IN THE TRAY POCKETS, INSERT A PLUG TP-07 PLACED IN THE POCKET SO THAT THE FLAT EDGE LAYS FLAT IN THE BOTTOM OF THE POCKET AND THE PLUG IS AGAINST THE CONNECTOR.
7. TORQUE TO BE 20 IN-OZ USING 6-32 UNC, 6-40 UNF OR M3 SCREW.

FIG 1
PETC-01-40-01-X-RA-SD SHOWN

UNLESS OTHERWISE SPECIFIED,
DIMENSIONS ARE IN MILLIMETERS.

TOLERANCES ARE:

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

MATERIAL: DO NOT SCALE DRAWING SHEET SCALE: 1:0.666667

INSULATOR: LCP, COLOR: BLACK

TERMINAL: COPPER ALLOY

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520 PARK EAST BLVD, NEW ALBANY, IN 47150
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e-Mail: info@SAMTEC.com code 55322

DESCRIPTION:
RIGHT ANGLE POWER TERMINAL

DWG. NO.
PETC-XX-XX-XX-01-X-RA-XX-X

BY: CLAY W 1/12/2006 SHEET 1 OF 3

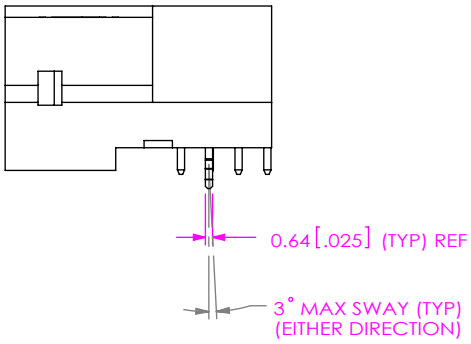
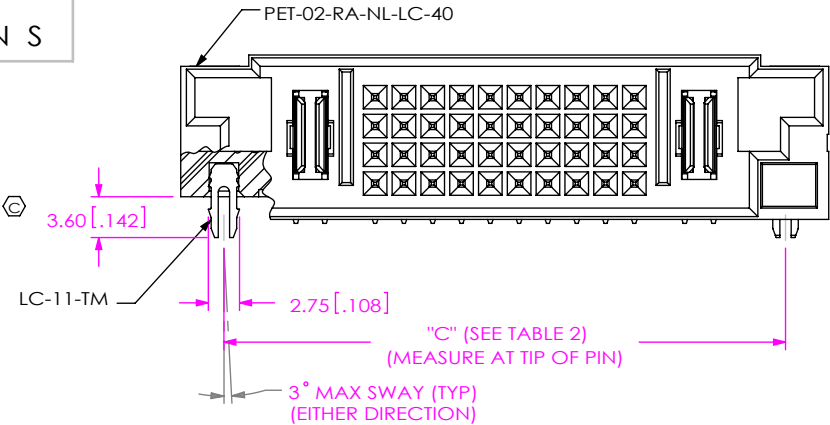


FIG 2
PETC-01-40-01-01-X-RA-LC SHOWN
(SAME AS FIG 1, UNLESS OTHERWISE STATED)

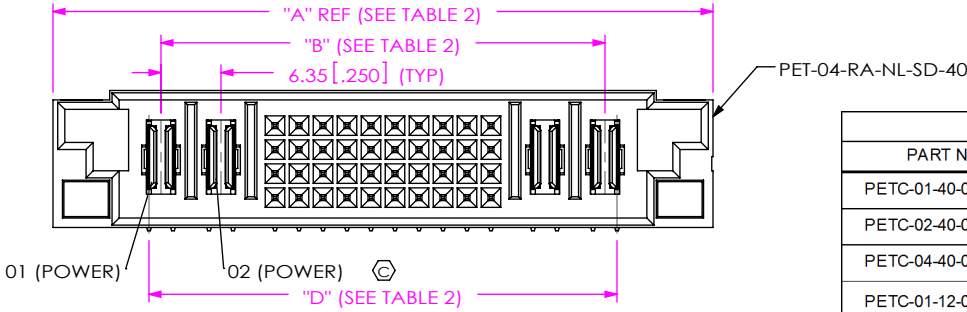


FIG 3
PETC-02-40-02-01-X-RA-SD SHOWN
(SAME AS FIG 1, UNLESS OTHERWISE STATED)

TABLE 2									
PART NUMBER	"A"	"B"		"C"		"D"			
PETC-01-40-01-01-X-RA-XX	57.15 [2.250]	34.29	+0.20 -0.13	[1.350]	+0.08 -0.05	49.53	+0.05 -0.30	[1.950]	+0.02 -0.12
PETC-02-40-02-01-X-RA-XX	69.85 [2.750]	46.99	+0.20 -0.13	[1.850]	+0.08 -0.05	62.23	+0.05 -0.35	[2.450]	+0.02 -0.14
PETC-04-40-04-01-X-RA-XX	95.25 [3.750]	72.39	+0.25 -0.13	[2.850]	+0.10 -0.05	87.63		[3.450]	
PETC-01-12-01-01-X-RA-XX	39.37 [1.550]	16.51	+0.20 -0.13	[0.650]	+0.08 -0.05	31.75	+0.05 -0.35	[1.250]	+0.02 -0.14
PETC-02-12-02-01-X-RA-XX	52.07 [2.050]	29.21	+0.20 -0.13	[1.150]	+0.08 -0.05	44.45	+0.05 -0.35	[1.750]	+0.02 -0.14
PETC-04-12-04-01-X-RA-XX	77.47 [3.050]	54.61	+0.20 -0.13	[2.150]	+0.08 -0.05	69.85	+0.05 -0.35	[2.750]	+0.02 -0.14

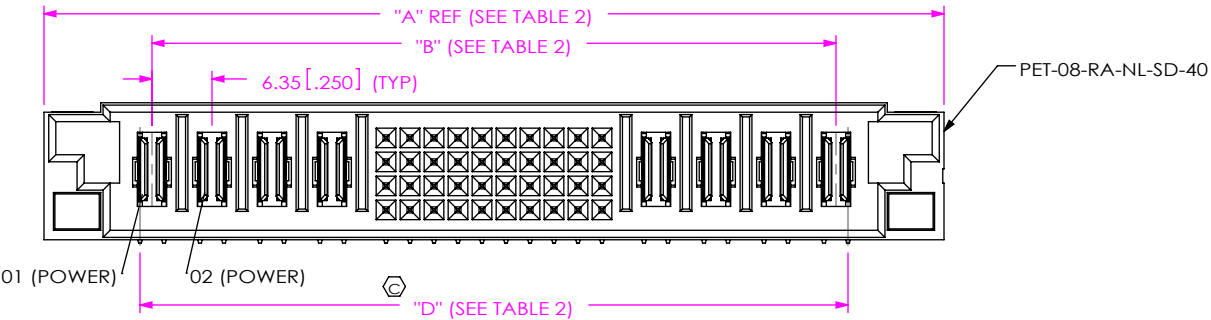


FIG 4
PETC-04-40-04-01-X-RA-SD SHOWN
(SAME AS FIG 1, UNLESS OTHERWISE STATED)

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SHEET SCALE: 1:5:1

F:\DWG\MISC\MKTG\PETC-XX-XX-XX-01-X-RA-XX-X-MKT.SLDDRW

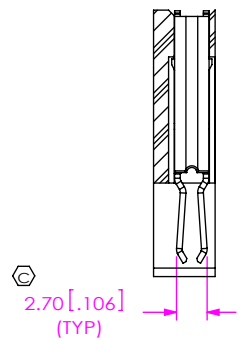


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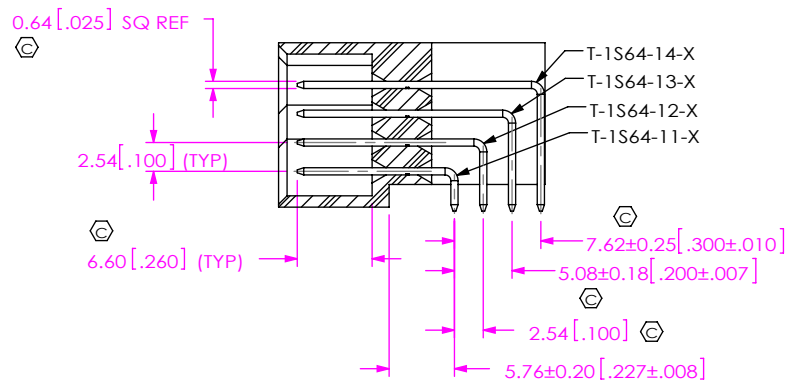
DESCRIPTION:
RIGHT ANGLE POWER TERMINAL

DWG. NO.
PETC-XX-XX-XX-01-X-RA-XX-X

BY: CLAY W 1/12/2006 SHEET 2 OF 3



SECTION "B"-"B"



SECTION "F"-"F"

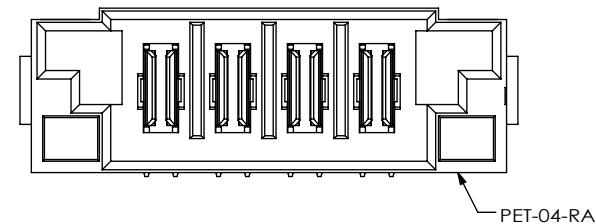


FIG 5
PETC-04-XX-X-RA-L SHOWN
(SAME AS FIG 1, UNLESS OTHERWISE STATED)

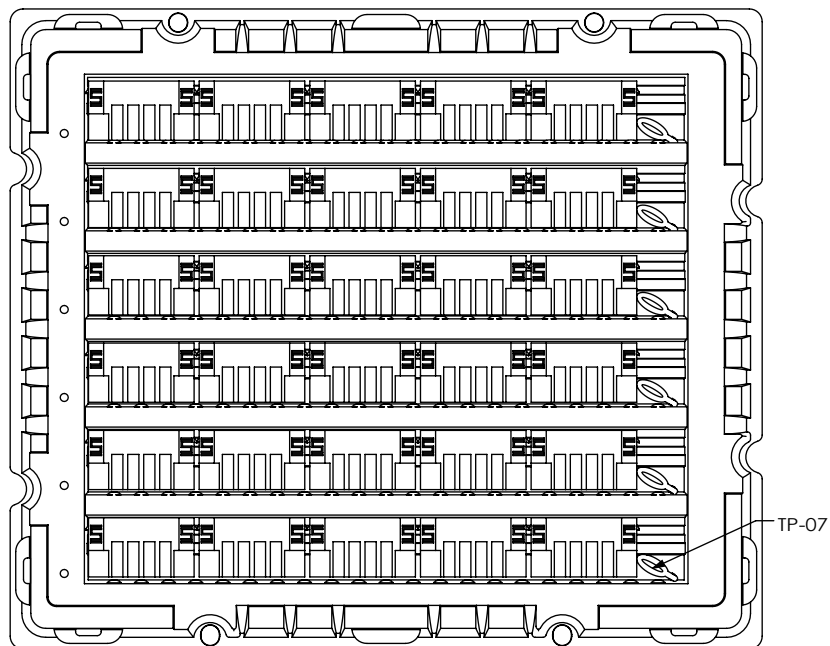
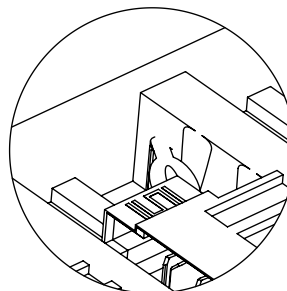
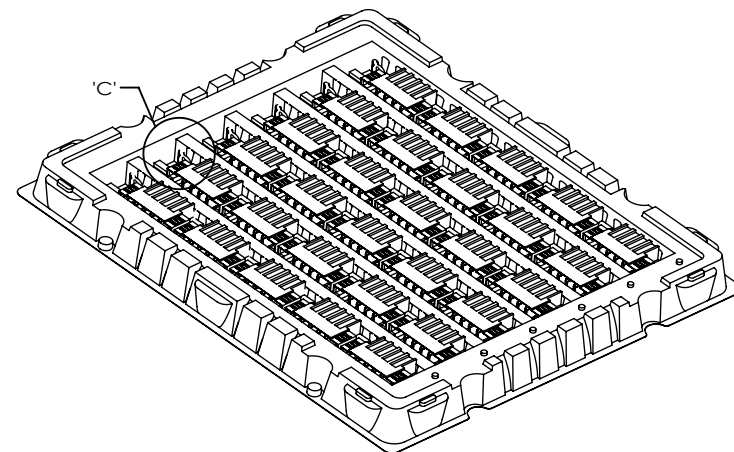


FIG 6
TRAY VIEW
(SEE NOTE 6)



DETAIL 'C'
SCALE 1:1



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BY: CLAY W 1/12/2006 SHEET 3 OF 3

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