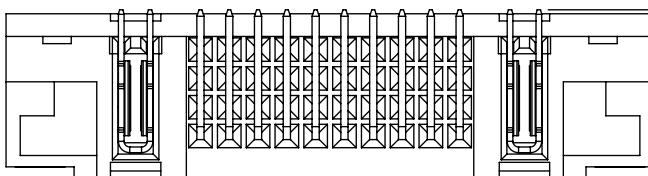


DO NOT  
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THIS PRINTDESIGNED & DIMENSIONED  
IN MILLIMETERS [INCHES]

\* 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: SINK 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

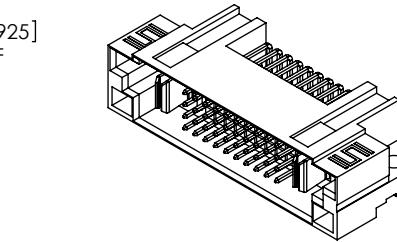
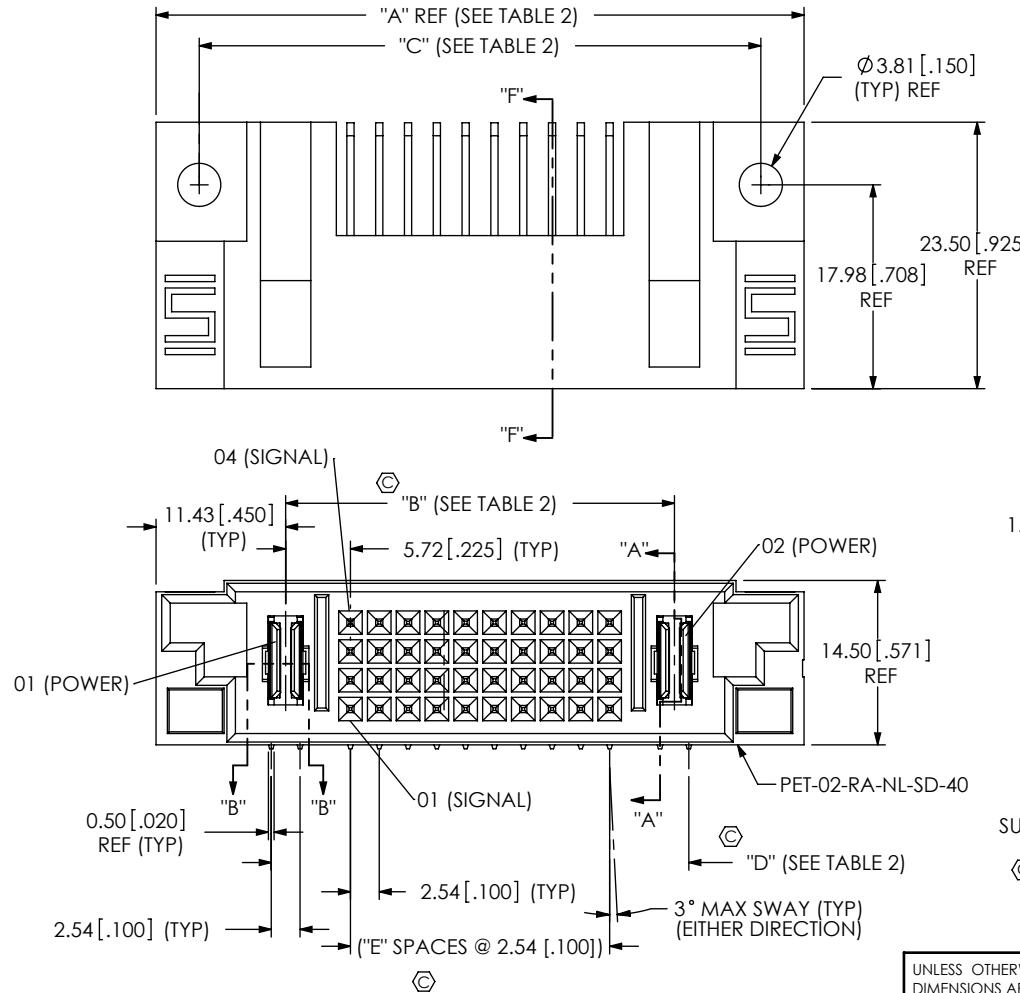
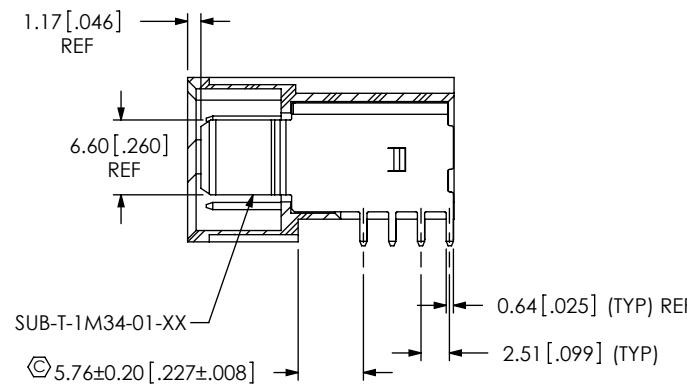
-L: 10μ" LIGHT SELECTIVE GOLD IN  
CONTACT AREA, MATTE TIN ON TAIL\* - SEE TABLE 1 FOR AVAILABLE COMBINATIONS  
\*\* - BLANK ONLY FOR EXISTING CUSTOMERS

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.
- MAXIMUM BURR ALLOWANCE: 0.13[.005]
- MINIMUM PUSHOUT FORCE: 2.22N [.5 LB]
- PARTS TO BE PACKAGED IN TRAYS.
- PARTS PLACED IN TRAY WITH PIN #1 FACING THE RIGHT SIDE, DUE TO PIN NUMBERING ORDER.
- 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.
- RECOMMENDED TORQUE ON HOLD DOWN SCREWS TO BE 20 IN-OZ.

FIG 1  
PETC-01-40-01-X-RA-SD SHOWNUNLESS OTHERWISE SPECIFIED,  
DIMENSIONS ARE IN MILLIMETERS.  
TOLERANCES ARE:

DECIMALS ANGLES

.X: ±0.3 [.01]

.XX: ±0.13 [.005]

.XXX: ±0.051 [.0020]

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PHONE: 812-944-6733 FAX: 812-948-5047  
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

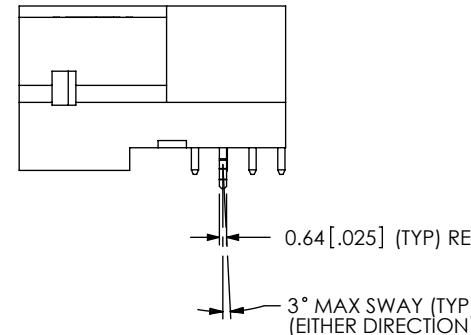
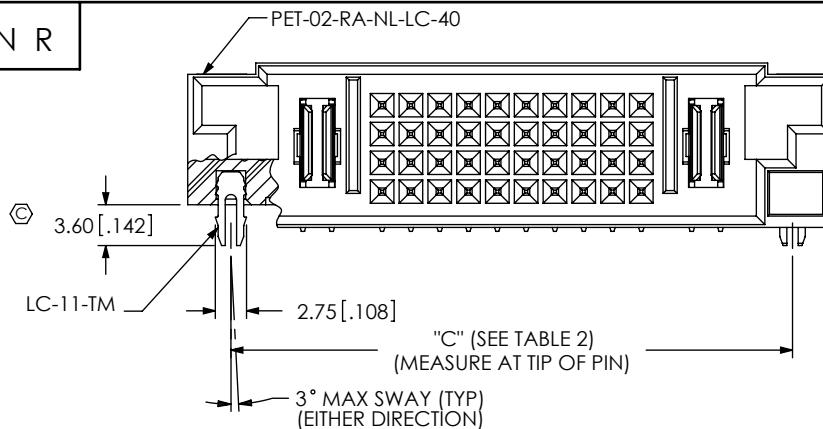


FIG 2  
PETC-01-40-01-X-RA-LC SHOWN  
(SAME AS FIG 1, UNLESS OTHERWISE STATED)

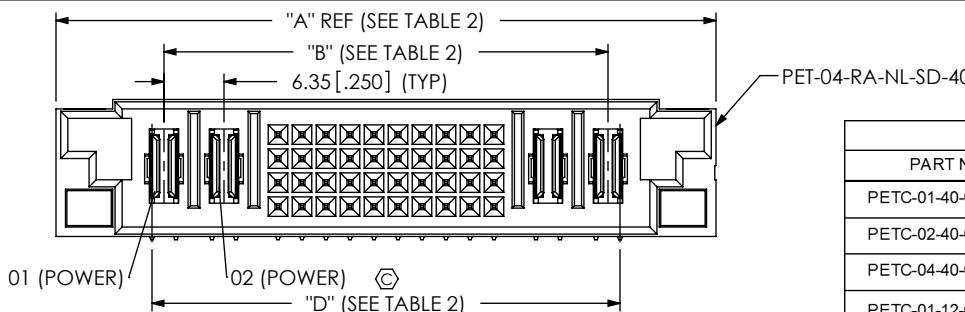


FIG 3  
PETC-02-40-02-01-X-RA-SD SHOWN  
(SAME AS FIG 1, UNLESS OTHERWISE STATED)

PART NUMBER	"A"	"B"	"C"	"D"
PETC-01-40-01-01-X-RA-XX	57.15 [2.250]	34.29 <sup>+0.20</sup> <sub>-0.13</sub> [1.350] <sup>+0.08</sup> <sub>-0.05</sub>	49.53 <sup>+0.05</sup> <sub>-0.30</sub> [1.950] <sup>+0.02</sup> <sub>-0.12</sub>	36.83 $\pm 0.20$ [1.450] $\pm 0.08$
PETC-02-40-02-01-X-RA-XX	69.85 [2.750]	46.99 <sup>+0.20</sup> <sub>-0.13</sub> [1.850] <sup>+0.08</sup> <sub>-0.05</sub>	62.23 <sup>+0.05</sup> <sub>-0.35</sub> [2.450] <sup>+0.02</sup> <sub>-0.14</sub>	49.53 $\pm 0.20$ [1.950] $\pm 0.08$
PETC-04-40-04-01-X-RA-XX	95.25 [3.750]	72.39 <sup>+0.25</sup> <sub>-0.13</sub> [2.850] <sup>+0.10</sup> <sub>-0.05</sub>	87.63 [3.450]	74.93 $\pm 0.20$ [2.950] $\pm 0.08$
PETC-01-12-01-01-X-RA-XX	39.37 [1.550]	16.51 <sup>+0.20</sup> <sub>-0.13</sub> [0.650] <sup>+0.08</sup> <sub>-0.05</sub>	31.75 <sup>+0.05</sup> <sub>-0.35</sub> [1.250] <sup>+0.02</sup> <sub>-0.14</sub>	19.05 $\pm 0.20$ [0.750] $\pm 0.08$
PETC-02-12-02-01-X-RA-XX	52.07 [2.050]	29.21 <sup>+0.20</sup> <sub>-0.13</sub> [1.150] <sup>+0.08</sup> <sub>-0.05</sub>	44.45 <sup>+0.05</sup> <sub>-0.35</sub> [1.750] <sup>+0.02</sup> <sub>-0.14</sub>	31.75 $\pm 0.20$ [1.250] $\pm 0.08$
PETC-04-12-04-01-X-RA-XX	77.47 [3.050]	54.61 <sup>+0.20</sup> <sub>-0.13</sub> [2.150] <sup>+0.08</sup> <sub>-0.05</sub>	69.85 <sup>+0.05</sup> <sub>-0.35</sub> [2.750] <sup>+0.02</sup> <sub>-0.14</sub>	57.15 $\pm 0.20$ [2.250] $\pm 0.08$

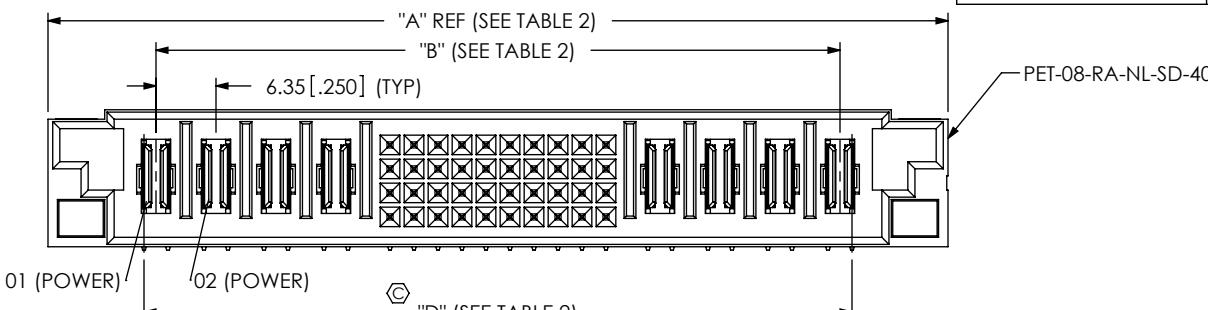


FIG 4  
PETC-04-40-04-01-X-RA-SD SHOWN  
(SAME AS FIG 1, UNLESS OTHERWISE STATED)

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

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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 2 OF 3

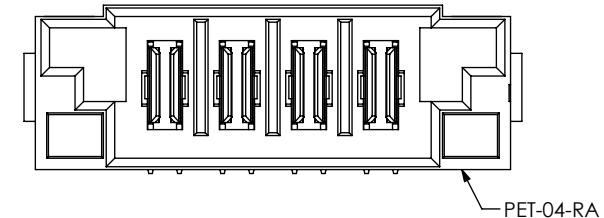
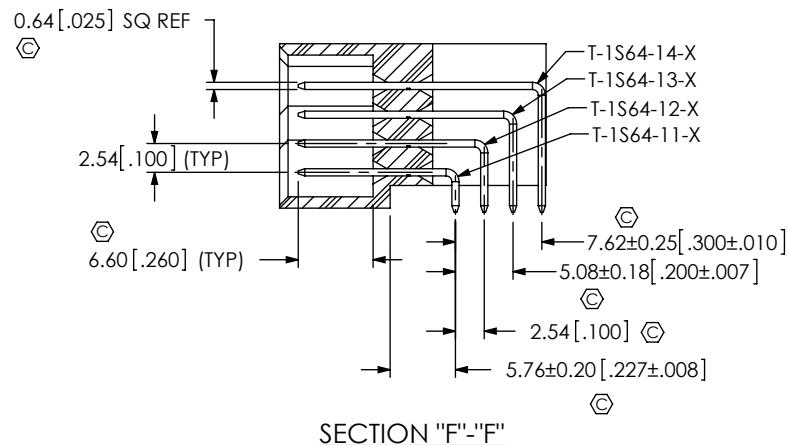
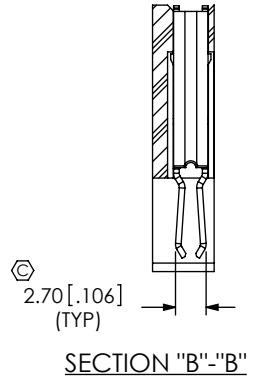


FIG 5  
PETC-04-XX-X-RA-L SHOWN  
(SAME AS FIG 1, UNLESS OTHERWISE STATED)

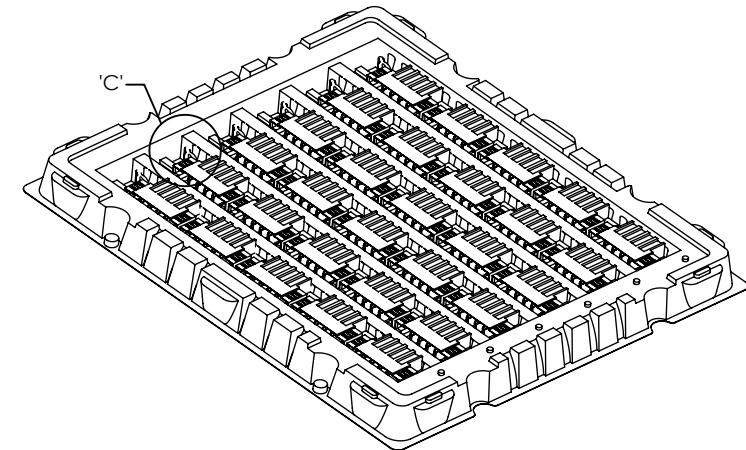
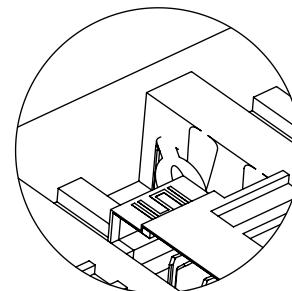
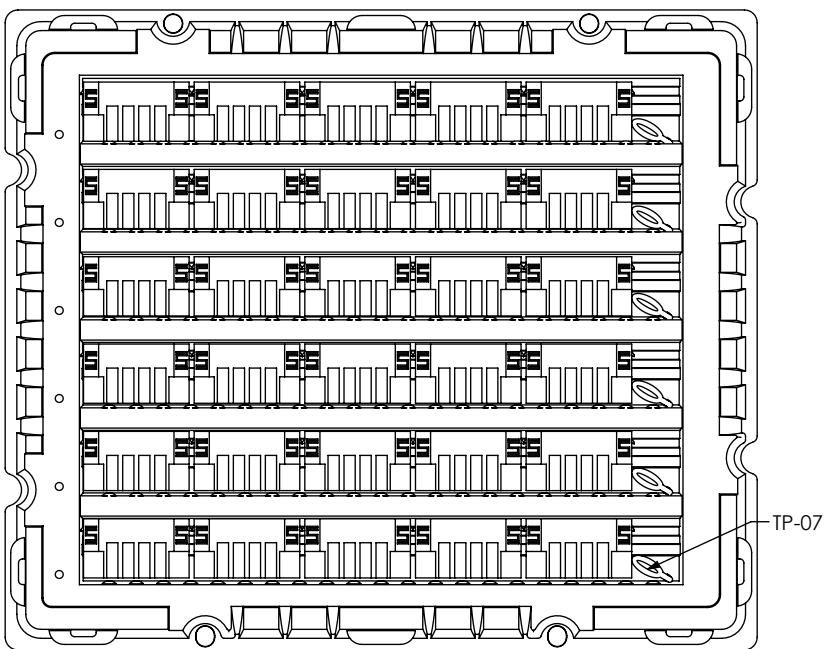


FIG 6  
(SEE NOTE 6)

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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 3 OF 3