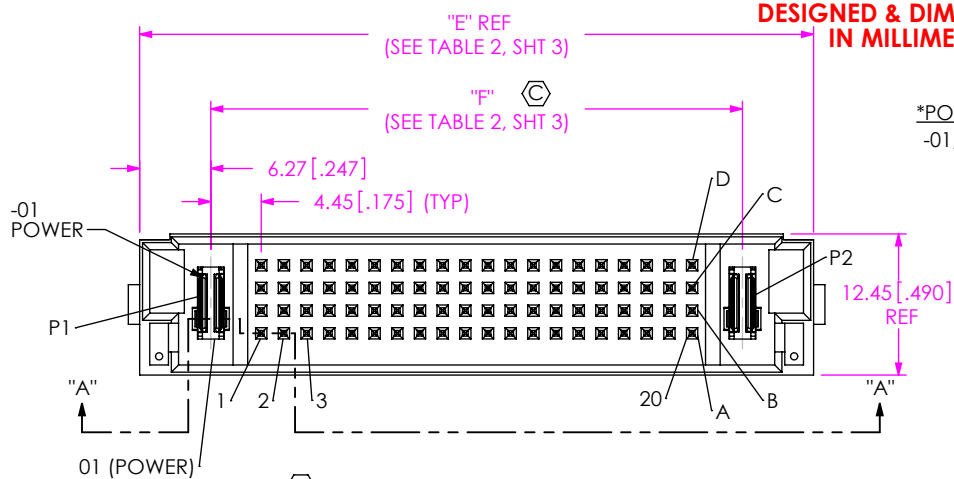


DO NOT SCALE FROM THIS PRINT

DESIGNED & DIMENSIONED IN MILLIMETERS

MPTC-XX-XX-XX-6.30-XX-X-V-XX



\*POWER PINS (PER END)  
-01, -02, \*\*\*-03, \*\*\*-04

\*SIGNAL PINS

- 04: (4 X 1)
- 08: (4 X 2)
- \*\*\*-12: (4 X 3)
- 16: (4 X 4)
- \*\*\*-20: (4 X 5)
- 24: (4 X 6)
- 36: (4 X 9)
- 40: (4 X 10)
- 48: (4 X 12)
- 80: (4 X 20)

\*POWER PINS (PER END)  
\*\*\*-00, -01, -02,

LEAD STYLE  
-6.30: 6.30MM

\* = SEE TABLE 2 FOR AVAILABLE COMBINATIONS  
\*\*\*= NOT RELEASED FOR PRODUCTION

OPTION  
-LC: LOCKING CLIP (SEE FIG 2, SHT 2)

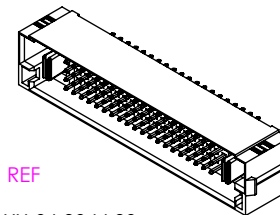
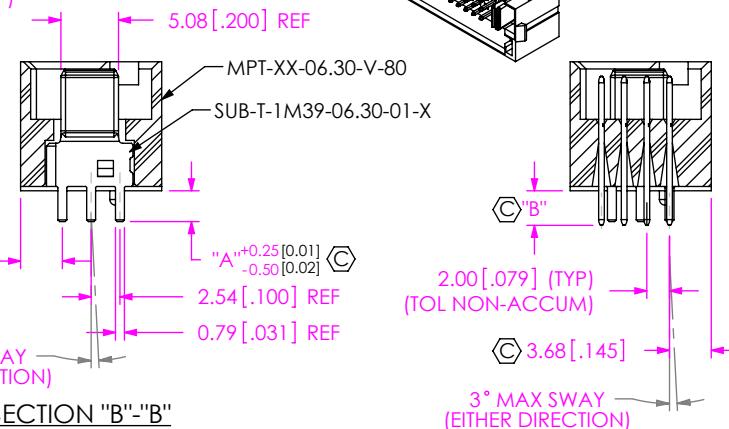
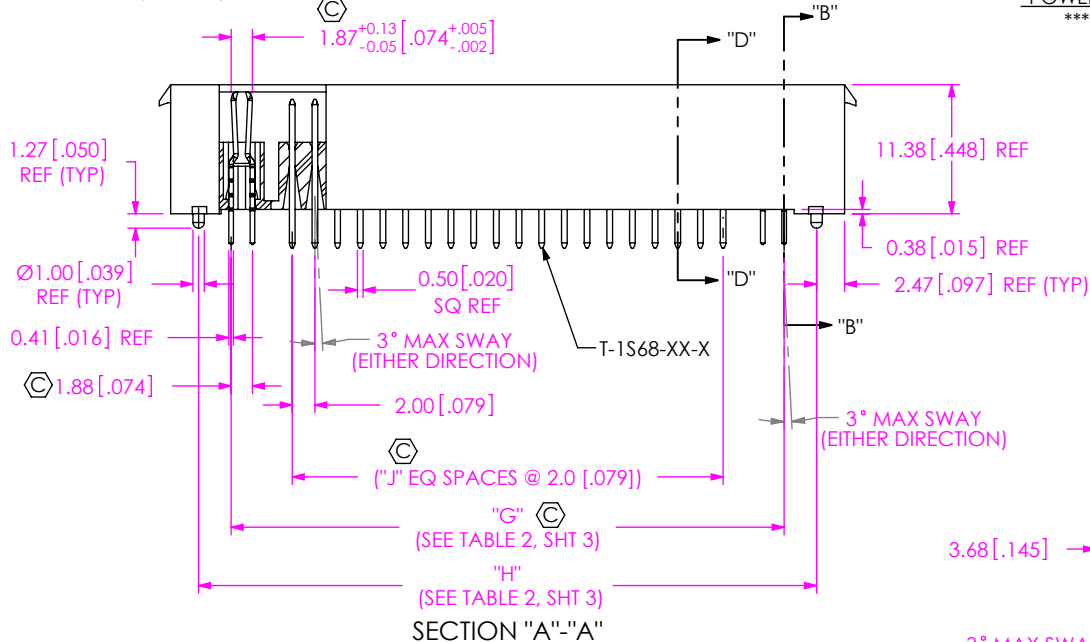
VERTICAL

PLATING SPECIFICATION

-L: SEE TABLE 3, SHT 2  
-T: SEE TABLE 3, SHT 2

TAIL LENGTH

-01: FOR 1.57 [.062] THICK PCB (USE SUB-T-1M39-06.30-01-X)  
-03: FOR 2.36 [.093] THICK PCB (USE SUB-T-1M39-06.30-03-X)



PART NUMBER	POWER TERMINAL SUB-ASSEMBLY	SIGNAL TERMINAL	"A"	"B"
MPTC-XX-XX-XX-6.30-01-X-V-XX	SUB-T-1M39-06.30-01-X	T-1S68-05-L	2.72 [0.107]	3.05 [0.120]
MPTC-XX-XX-XX-6.30-03-X-V-XX	SUB-T-1M39-06.30-03-X	T-1S68-10-L	3.51 [0.138]	3.84 [0.151]

FIG 1  
MPTC-01-80-01-6.30-01-X-V SHOWN

NOTES:

1. Ⓢ REPRESENTS A CRITICAL DIMENSION.
2. MAXIMUM BURR ALLOWANCE: 0.038 [.0015]
3. MINIMUM PUSHOUT FORCE: 2.22N [.5 LB]
4. PARTS TO BE PACKAGED IN TRAYS.
5. BOW ALLOWED AT 0.002 MM/MM [.002 IN/IN]
6. FOR -03 LEAD STYLE, SIGNAL PINS ARE TO BE SHEARED. MAXIMUM BURR: 0.10 [.004].
7. ORDERS WILL BE PACKAGED ACCORDING TO THE SAMTEC PACKAGING EFFICIENCY STANDARDS (SPES) FOUND ON WWW.SAMTEC.COM.

UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN MILLIMETERS.  
TOLERANCES ARE:  
DECIMALS ANGLES  
.X: ±0.3 [0.1] 2°  
.XX: ±0.13 [0.05]  
.XXX: ±0.051 [0.020]

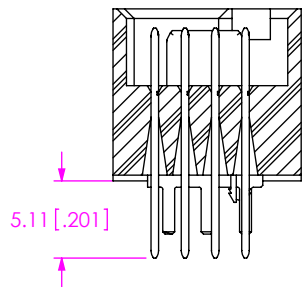
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MATERIAL: DO NOT SCALE DRAWING SHEET SCALE: 1:0.666667  
INSULATOR: LCP, UL 94 V0, COLOR: BLACK  
TERMINAL: COPPER ALLOY  
SIGNAL PIN: PHOS BRONZE



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

DESCRIPTION: VERTICAL POWER TERMINAL  
DWG. NO. MPTC-XX-XX-XX-6.30-XX-X-V-XX  
BY: CLAY W 2/2/2007 SHEET 1 OF 3



IN PROCESS 1  
-03 TAIL LENGTH ONLY

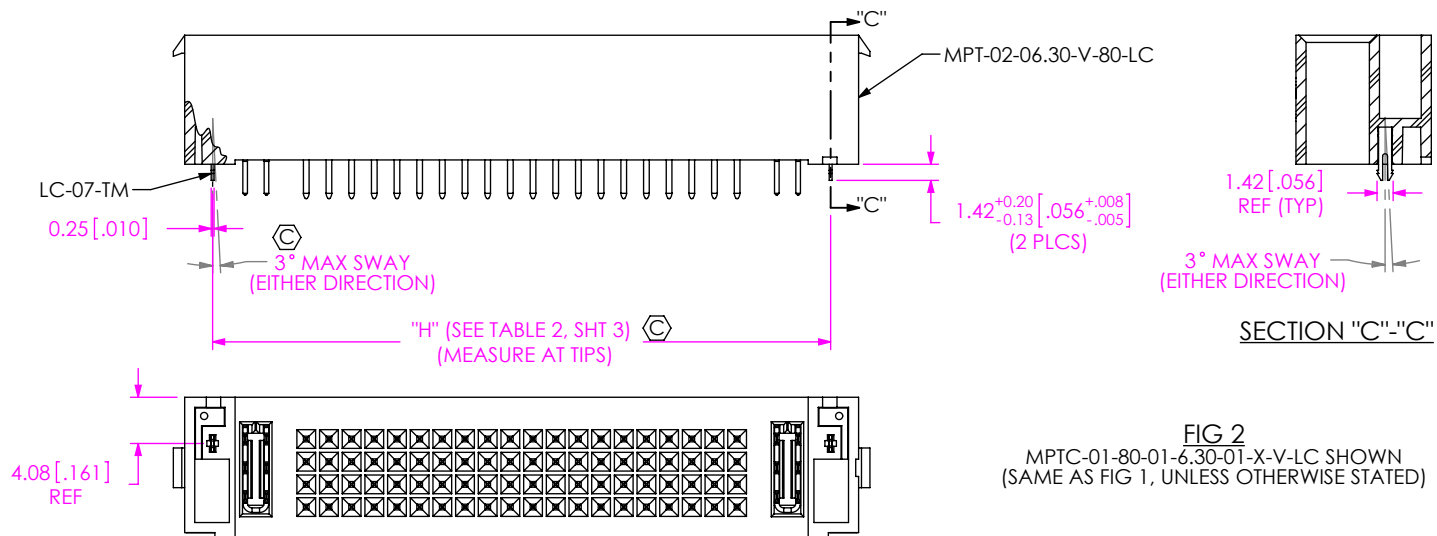


FIG 2  
MPTC-01-80-01-6.30-01-X-V-LC SHOWN  
(SAME AS FIG 1, UNLESS OTHERWISE STATED)

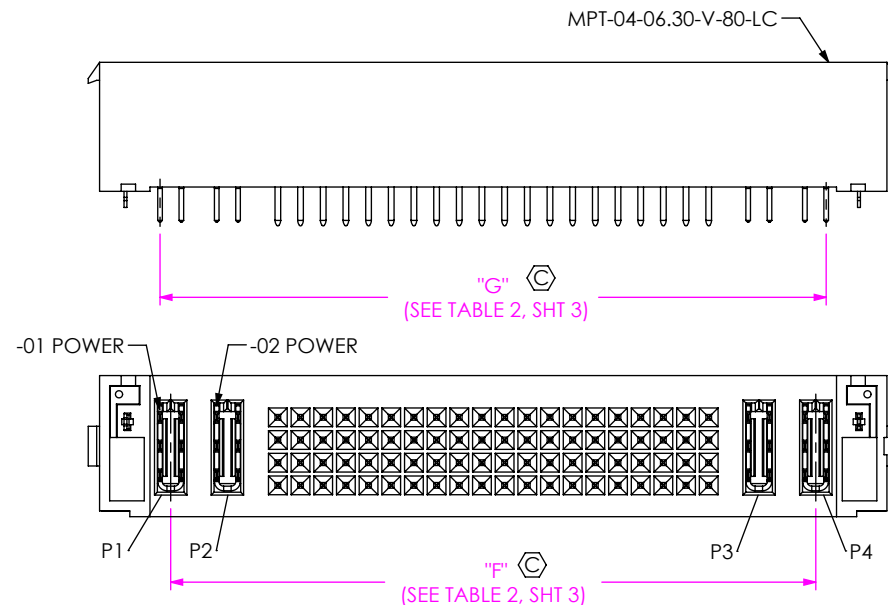


FIG 3  
MPTC-02-80-02-6.30-01-X-V-LC SHOWN  
(SAME AS FIG 1, UNLESS OTHERWISE STATED)

TABLE 3

PLATING	POWER PIN CONTACT AREA	POWER PIN TAIL	SIGNAL PIN CONTACT AREA	SIGNAL PIN TAIL
-L	10μ" GOLD	MATTE TIN	10μ" GOLD	MATTE TIN
-T	MATTE TIN	MATTE TIN	10μ" GOLD	MATTE TIN

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SHEET SCALE: 1.5:1

**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: VERTICAL POWER TERMINAL

DWG. NO. MPTC-XX-XX-XX-6.30-XX-X-V-XX

BY: CLAY W 2/2/2007 SHEET 2 OF 3

		TABLE 2					
PART NUMBER	BODY	"E"	"F"	"G"	"H"	"J"	
MPTC-01-04-01-X-XX-XX-X-V-XX	MPT-02-06.30-V-04	21.44 [0.844]	8.89 [0.350]	10.77 [0.424]	16.51 [0.650]	N/A	
MPTC-02-04-02-X-XX-XX-X-V-XX	MPT-04-06.30-V-04	34.44 [1.356]	18.89 [0.744]	20.77 [0.818]	26.51 [1.044]	N/A	
MPTC-01-08-01-X-XX-XX-X-V-XX	MPT-02-06.30-V-08	23.44 [0.923]	10.89 [0.429]	12.77 [0.503]	18.51 [0.729]	1	
MPTC-02-08-02-X-XX-XX-X-V-XX	MPT-04-06.30-V-08	33.44 [1.317]	20.89 [0.822]	22.77 [0.896]	28.51 [1.122]	1	
MPTC-01-16-01-X-XX-XX-X-V-XX	MPT-02-06.30-V-16	27.44 [1.080]	14.89 [0.586]	16.77 [0.660]	22.51 [0.886]	3	
MPTC-02-16-02-X-XX-XX-X-V-XX	MPT-04-06.30-V-16	37.44 [1.474]	24.89 [0.980]	26.77 [1.054]	32.51 [1.280]	3	
MPTC-01-24-01-X-XX-XX-X-V-XX	MPT-02-06.30-V-24	31.44 [1.238]	18.91 [0.744]	20.79 [0.819]	26.52 [1.044]	5	
MPTC-02-24-02-X-XX-XX-X-V-XX	MPT-04-06.30-V-24	41.44 [1.631]	28.91 [1.138]	30.79 [1.212]	36.52 [1.438]	5	
MPTC-01-36-01-X-XX-XX-X-V-XX	MPT-02-06.30-V-36	37.44 [1.474]	24.89 [0.980]	26.77 [1.054]	32.51 [1.280]	8	
MPTC-02-36-02-X-XX-XX-X-V-XX	MPT-04-06.30-V-36	47.44 [1.868]	34.89 [1.374]	36.77 [1.448]	42.51 [1.674]	8	
MPTC-01-40-01-X-XX-XX-X-V-XX	MPT-02-06.30-V-40	39.44 [1.553]	26.89 [1.059]	28.77 [1.133]	34.51 [1.359]	9	
MPTC-02-40-02-X-XX-XX-X-V-XX	MPT-04-06.30-V-40	49.44 [1.946]	36.89 [1.452]	38.77 [1.526]	44.51 [1.752]	9	
MPTC-01-48-01-X-XX-XX-X-V-XX	MPT-02-06.30-V-48	43.44 [1.710]	30.89 [1.216]	32.77 [1.290]	38.51 [1.516]	11	
MPTC-02-48-02-X-XX-XX-X-V-XX	MPT-04-06.30-V-48	53.44 [2.104]	40.89 [1.610]	42.77 [1.684]	48.51 [1.910]	11	
MPTC-01-80-01-X-XX-XX-X-V-XX	MPT-02-06.30-V-80	59.44 [2.340]	46.89 [1.846]	48.77 [1.920]	54.51 [2.146]	19	
MPTC-02-80-02-X-XX-XX-X-V-XX	MPT-04-06.30-V-80	69.44 [2.734]	56.89 [2.240]	58.77 [2.314]	64.51 [2.540]	19	
***MPTC-03-12-00-X-XX-XX-X-V-XX	MPT-03-06.30-V-12-PS	31.44 [1.238]	N/A	N/A	26.51 [1.044]	2	
***MPTC-04-12-00-X-XX-XX-X-V-XX	MPT-04-06.30-V-12-PS	36.44 [1.435]	N/A	N/A	31.51 [1.241]	2	
***MPTC-03-16-00-X-XX-XX-X-V-XX	MPT-03-06.30-V-16-PS	33.44 [1.317]	N/A	N/A	28.51 [1.122]	3	
***MPTC-04-16-00-X-XX-XX-X-V-XX	MPT-04-06.30-V-16-PS	38.44 [1.513]	N/A	N/A	33.51 [1.319]	3	
***MPTC-03-20-00-X-XX-XX-X-V-XX	MPT-03-06.30-V-20-PS	35.44 [1.395]	N/A	N/A	30.51 [1.201]	4	
***MPTC-04-20-00-X-XX-XX-X-V-XX	MPT-04-06.30-V-20-PS	40.44 [1.592]	N/A	N/A	35.51 [1.398]	4	
***MPTC-03-24-00-X-XX-XX-X-V-XX	MPT-03-06.30-V-24-PS	37.44 [1.474]	N/A	N/A	32.51 [1.280]	5	
***MPTC-04-24-00-X-XX-XX-X-V-XX	MPT-04-06.30-V-24-PS	42.44 [1.671]	N/A	N/A	37.51 [1.477]	5	

(\*\*\* = NOT RELEASED)

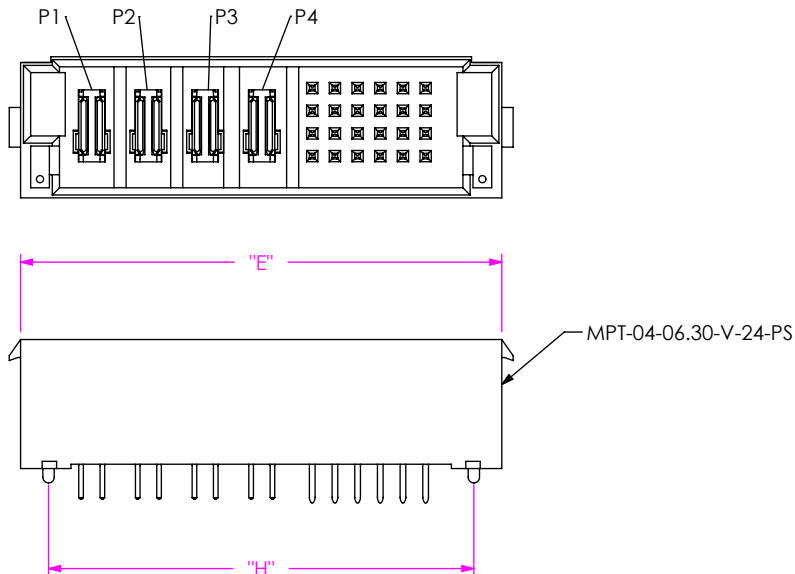


FIG 6  
MPTC-04-24-00-6.30-01-X-V SHOWN  
(SAME AS FIG 1, UNLESS OTHERWISE STATED)  
(NOT RELEASED)

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BY: CLAY W 2/2/2007 SHEET 3 OF 3