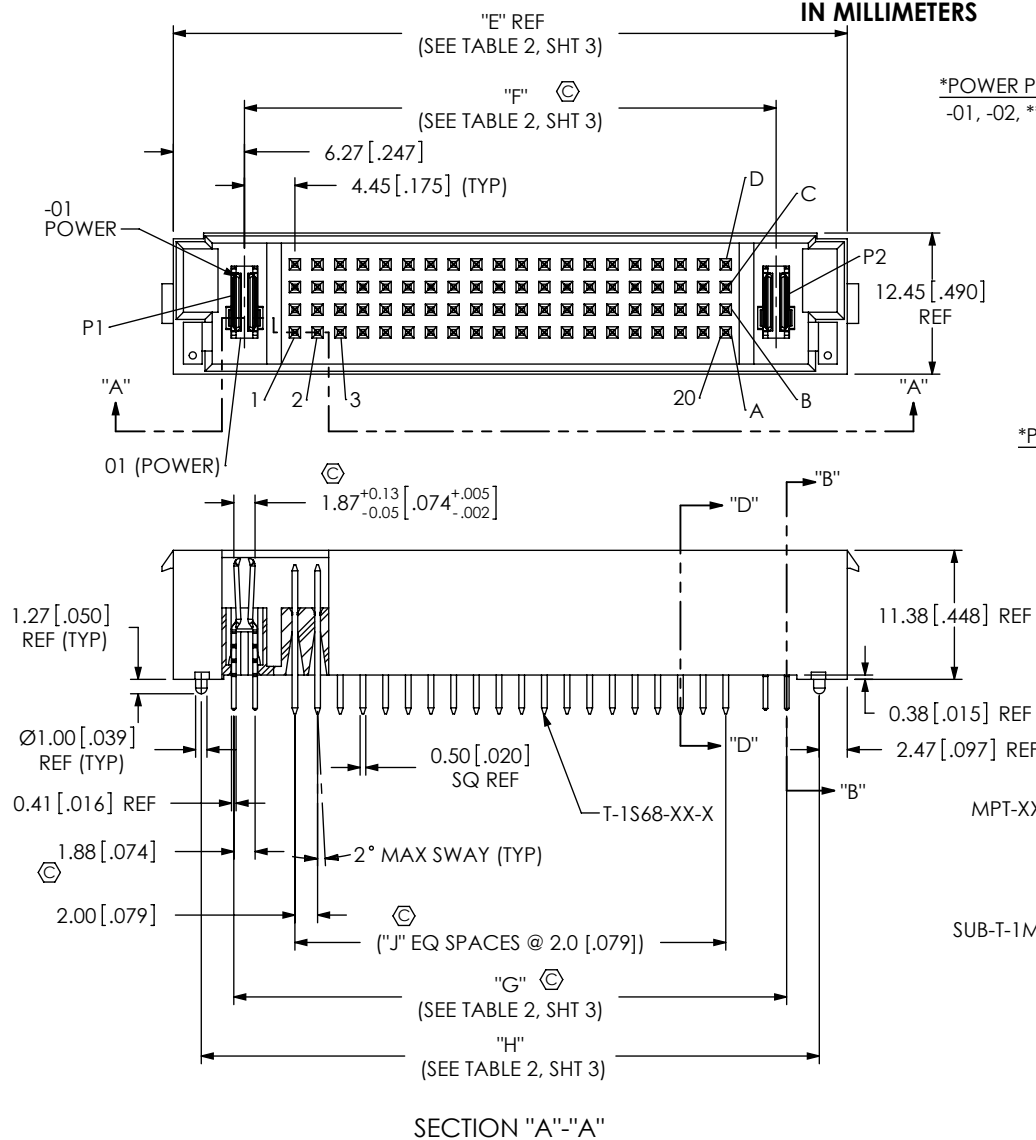


DO NOT
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THIS PRINT

DESIGNED & DIMENSIONED
IN MILLIMETERS



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

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

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)

*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)
-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

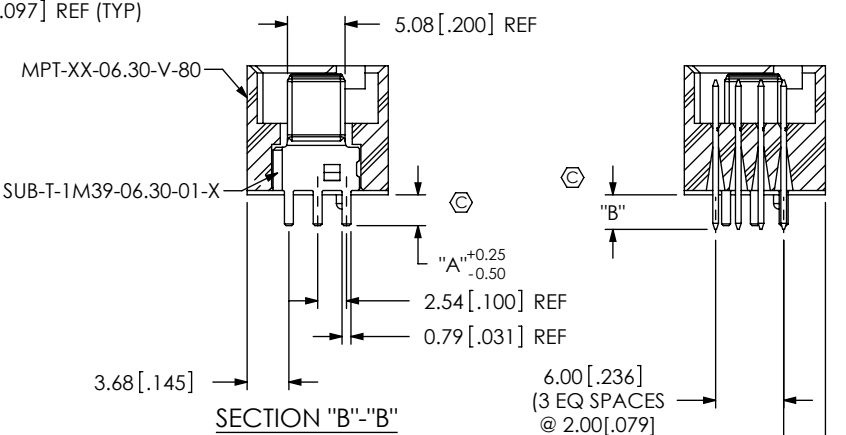
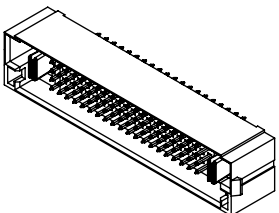


FIG 1
MPTC-01-80-01-6.30-01-X-V SHOWN

TABLE 1				
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]



- NOTES:
- ⊗ REPRESENTS A CRITICAL DIMENSION.
 - BURR ALLOWANCE: 0.038[.0015] MAX.
 - MINIMUM PUSHOUT FORCE: 2.22N [.5 LB].
 - PARTS TO BE PACKAGED IN TRAYS.
 - BOW ALLOWED AT 0.002 MM/MM [.002 IN/IN]
 - FOR -03 LEAD STYLE, SIGNAL PINS ARE TO BE SHEARED. MAX BURR: .10[.004]

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, UL 94 V0, COLOR: BLACK

TERMINAL: COPPER ALLOY

SIGNAL PIN: PHOS BRONZE

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PHONE: 812-944-6733 FAX: 812-948-5047
e-Mail: info@SAMTEC.com code: 55322

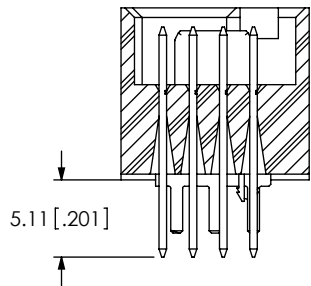
DESCRIPTION:

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

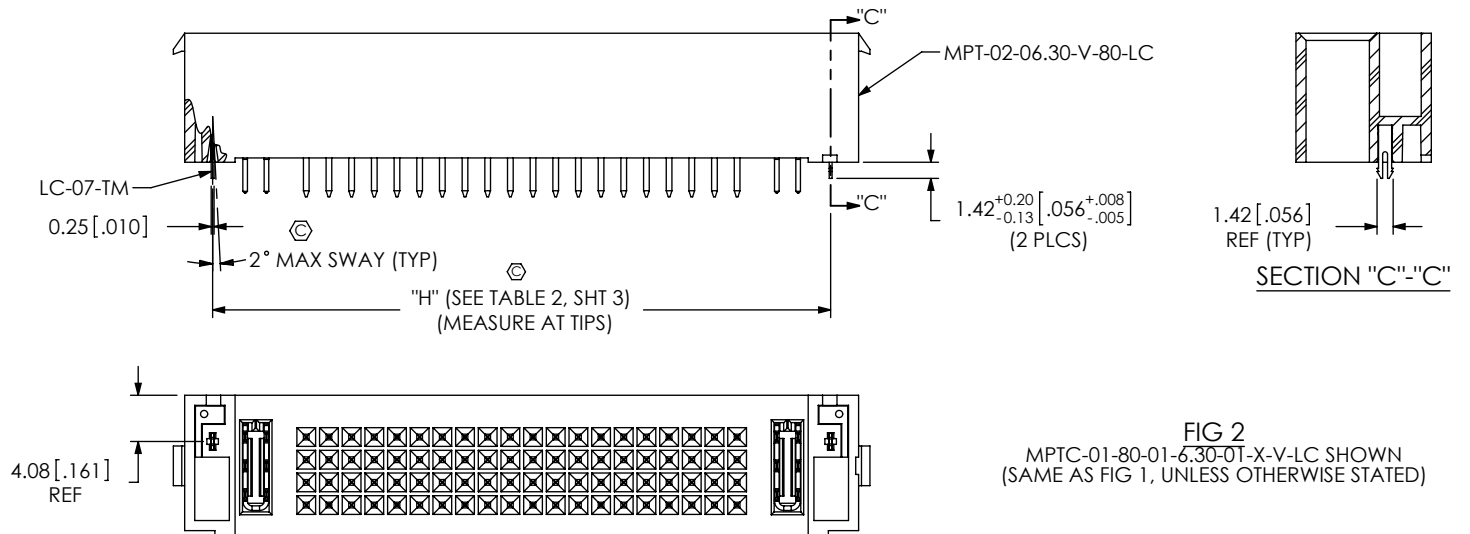


FIG 2
MPTC-01-80-01-6.30-0T-X-V-LC SHOWN
(SAME AS FIG 1, UNLESS OTHERWISE STATED)

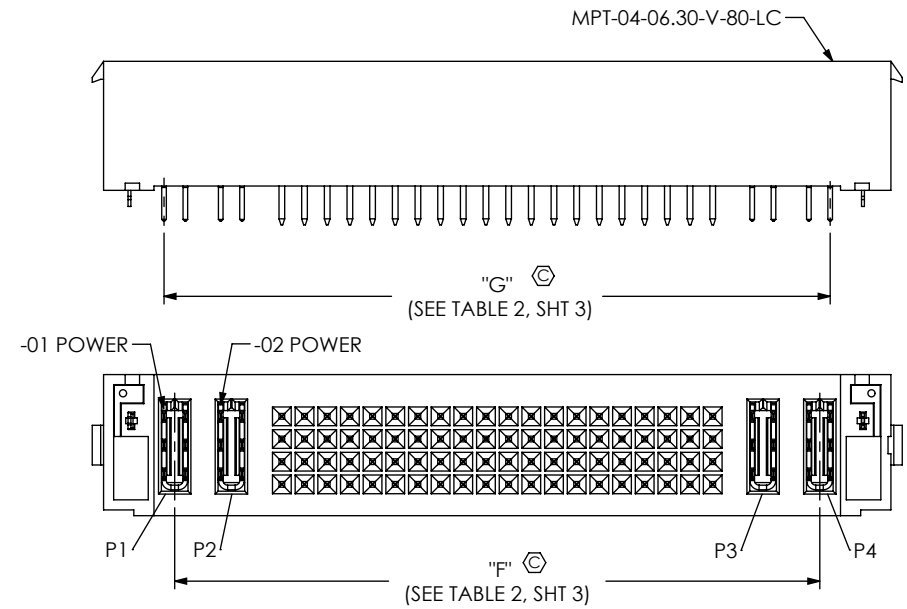


FIG 3
MPTC-02-80-02-6.30-0T-X-V-LC SHOWN
(SAME AS FIG 1, UNLESS OTHERWISE STATED)

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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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	31.44 [1.238]	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	31.45 [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	41.45 [1.632]	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-01-48-01-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)

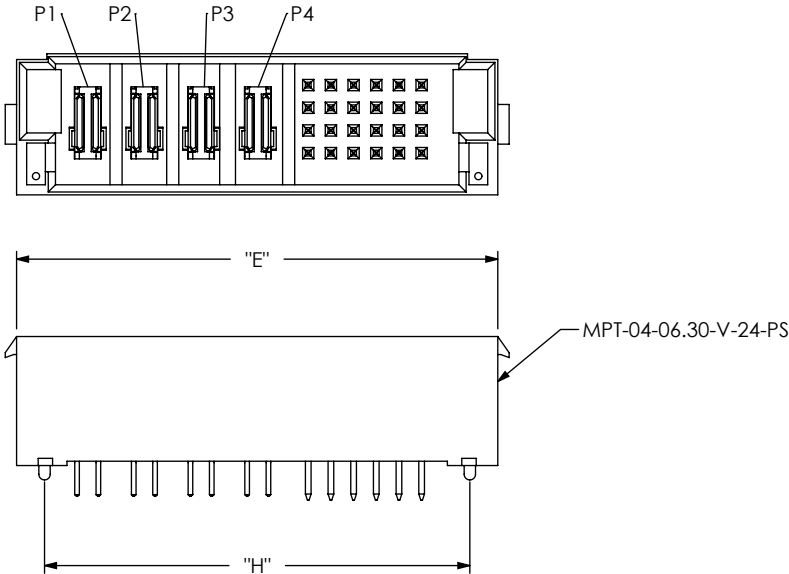


FIG 6
MPTC-04-24-00-6.30-01-X-V SHOWN
(SAME AS FIG 1, UNLESS OTHERWISE STATED)
(NOT RELEASED)

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