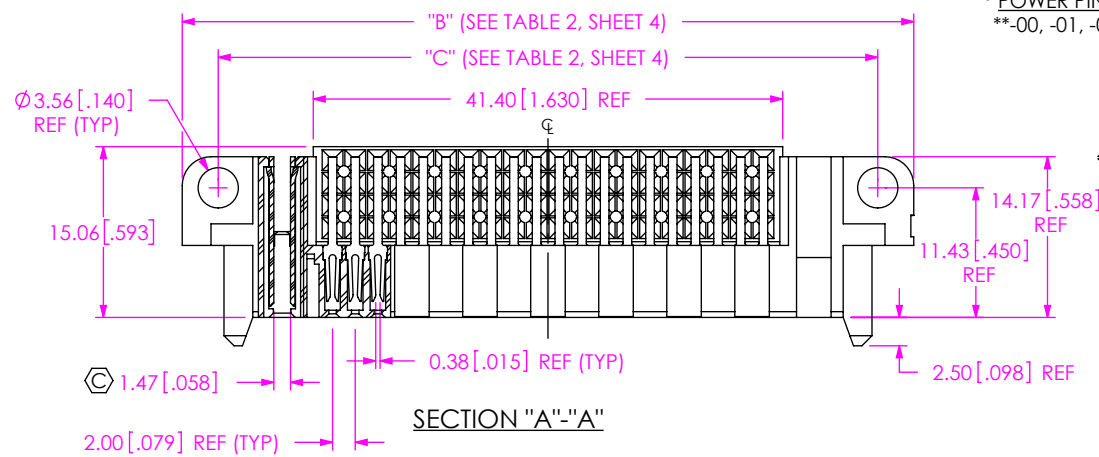


DO NOT SCALE FROM THIS PRINT

DESIGNED & DIMENSIONED IN MILLIMETERS

MPSC-XX-XX-XX-01-XX-X-RA-XX



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

\* SIGNAL PINS  
-16: (4 x 4)  
-24: (4 x 6)  
-40: (4X10)  
-80: (4 X 20)

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

LEAD STYLE  
-01

OPTION  
-SD: SCREW DOWN (SEE FIG 1)  
-LC: LOCKING CLIP (SEE FIG 2, SHT 2)  
(-SD OR -LC MUST BE SELECTED)

RIGHT ANGLE

PLATING SPECIFICATION  
-L: SEE TABLE 3, SHEET 4  
-T: SEE TABLE 3, SHEET 4

TAIL LENGTH  
-01: FOR 1.57[.062] THICK PCB  
\*\*\*-02: FOR 2.36[.093] THICK PCB  
-03: FOR 2.36[.093] THICK PCB

\* = SEE TABLE 2 FOR AVAILABLE COMBINATIONS  
\*\* = NOT RELEASED  
\*\*\* = EXISTING CUSTOMERS ONLY

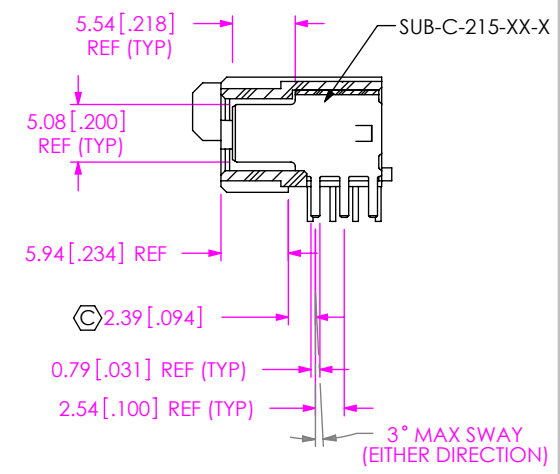
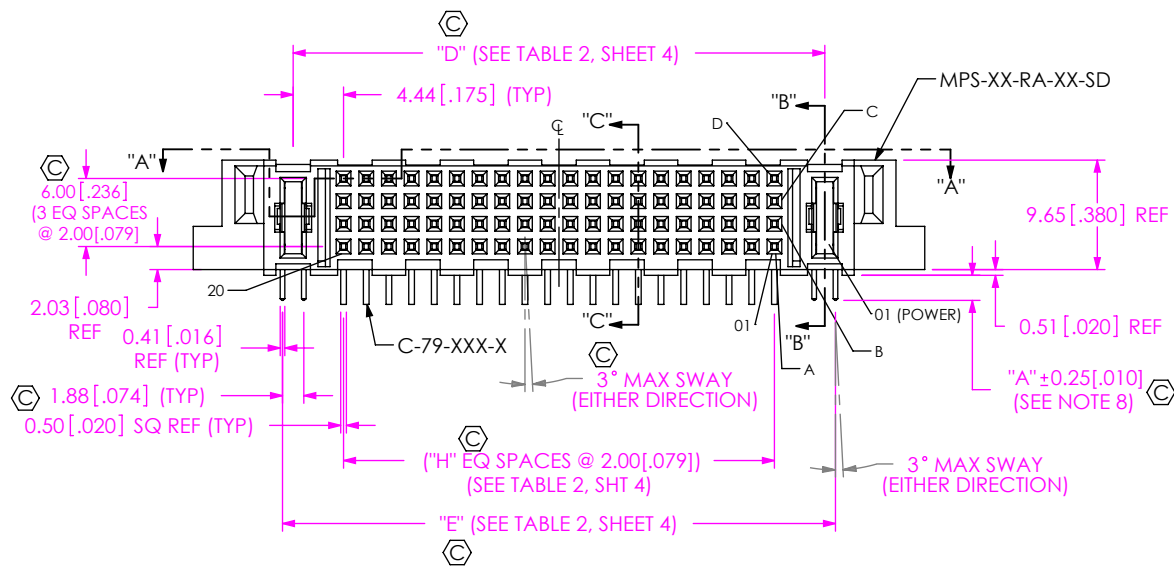


FIG 1  
MPSC-01-80-01-01-01-X-RA-SD SHOWN

PART NUMBER	BODY	SPACER BODY	POWER CONTACT SUB-ASSEMBLY	SIGNAL CONTACT				"A"
				CONTACT 1	CONTACT 2	CONTACT 3	CONTACT 4	
MPSC-XX-XX-XX-01-01-X-RA-XX	MPS-XX-RA-XX-XX	MP-XX-Q	SUB-C-215-01-X	C-79-12-L	C-79-12-L	C-79-23B-L	C-79-23B-L	2.20 [0.087]
MPSC-XX-XX-XX-01-03-X-RA-XX			SUB-C-215-04-X	C-79-12-L	C-79-12-L	C-79-23B-L	C-79-23B-L	3.00 [0.118]

NOTES:

1. Ⓢ REPRESENTS A CRITICAL DIMENSION.
2. MAXIMUM BURR ALLOWANCE: 0.038[.0015]
3. MINIMUM PUSHOUT FORCE: 4.45N[1.0 LB].
4. PARTS TO BE PACKAGED IN TRAYS.
5. BOW ALLOWED AT 0.075MM[.0030]/25.0MM[.98].
6. NOTE DELETED.
7. POSITION ONE MARK ON TRAYS DOES NOT CORRESPOND W/ POSITION 1 LOCATION ON PARTS.
8. THIS DIMENSION APPLIES TO POWER AND SIGNAL PINS.
9. NOTE DELETED.

UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN MILLIMETERS.  
TOLERANCES ARE:  
DECIMALS ANGLES  
.X: ±0.3 [.01] 2°  
.XX: ±0.13 [.005]  
.XXX: ±0.051 [.0020]

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e-Mail info@SAMTEC.com code 55322

MATERIAL: DO NOT SCALE DRAWING SHEET SCALE: 3:2  
INSULATOR: LCP, UL 94 V-0, COLOR: BLACK  
POWER CONTACT: COPPER ALLOY  
SIGNAL CONTACT: PHOS BRONZE

DESCRIPTION:  
RA MINI-POWER W/ SIGNAL SOCKET  
DWG. NO.  
MPSC-XX-XX-XX-01-XX-X-RA-XX  
BY: BRATCHER 2/20/2007 SHEET 1 OF 4

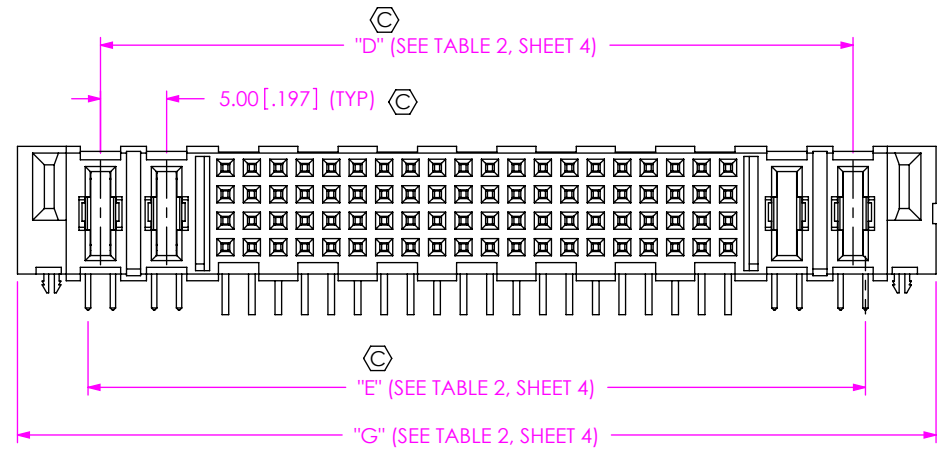
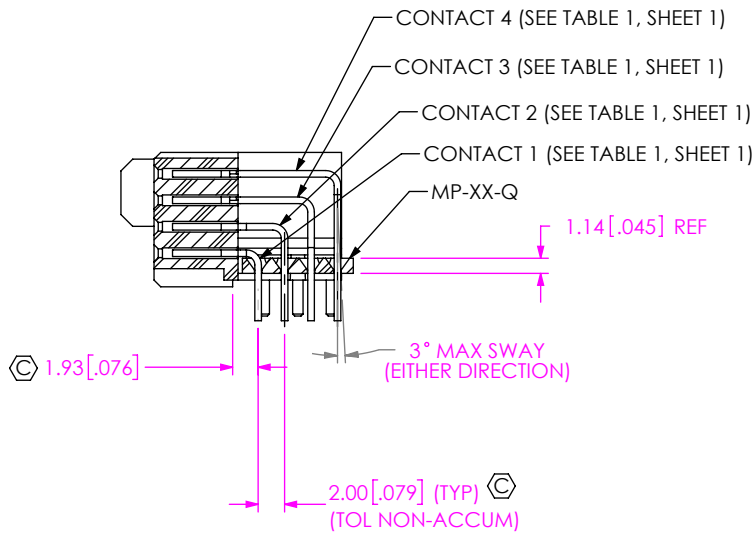


FIG 3  
 MPSC-02-80-02-01-01-X-RA-LC SHOWN  
 (SAME AS FIG 1, UNLESS OTHERWISE STATED)  
 SECTION "C"-"C"

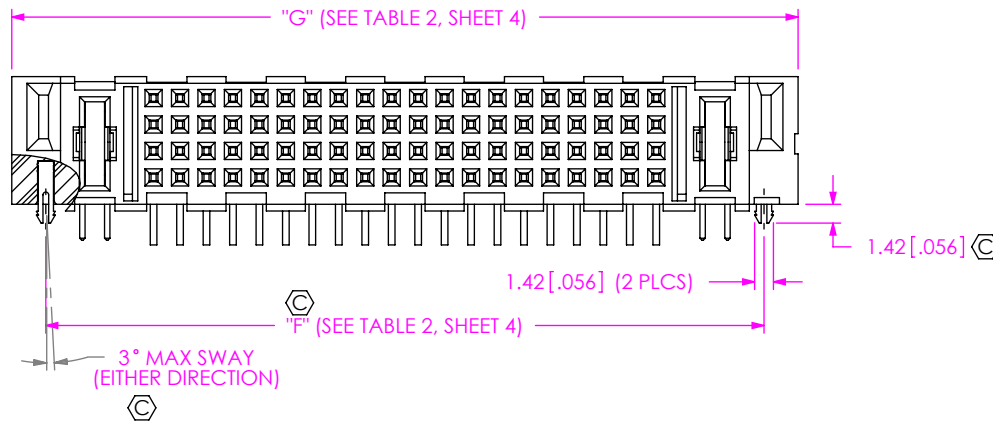
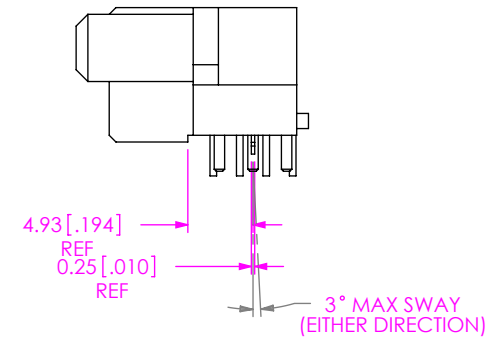


FIG 2  
 MPSC-01-80-01-01-01-X-RA-LC SHOWN  
 (SAME AS FIG 1, UNLESS OTHERWISE STATED)



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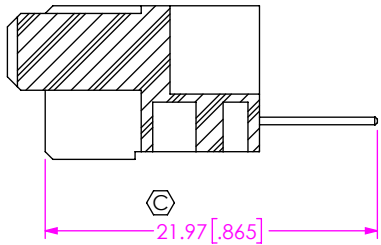


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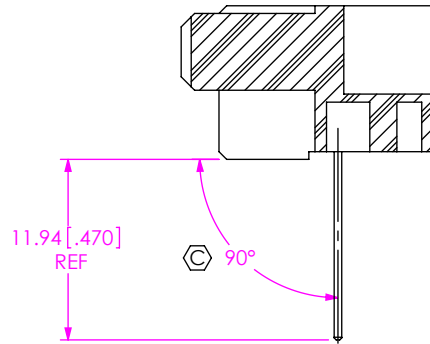
DESCRIPTION:  
 RA MINI-POWER W/ SIGNAL SOCKET

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

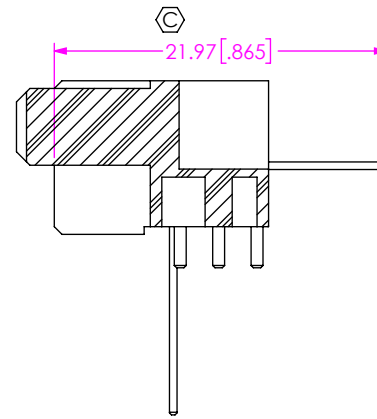
BY: BRATCHER 2/20/2007 SHEET 2 OF 4



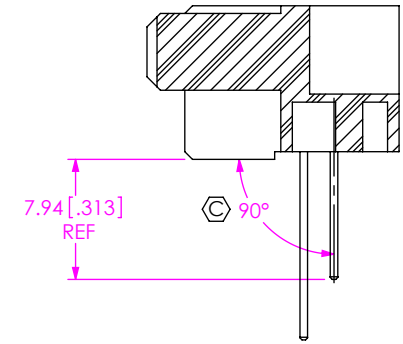
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FILL C-79-XXX-X ROW 1



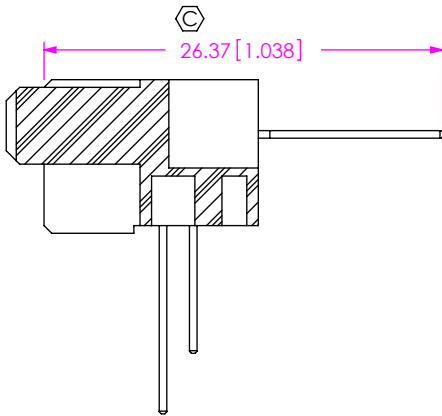
IN-PROCESS 2  
BEND ROW 1



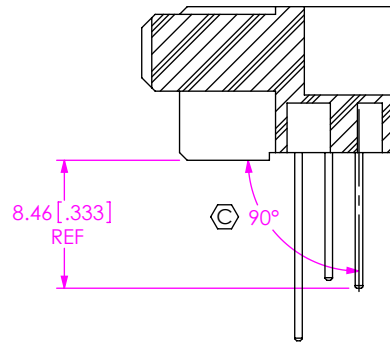
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FILL C-79-XXX-X ROW 2



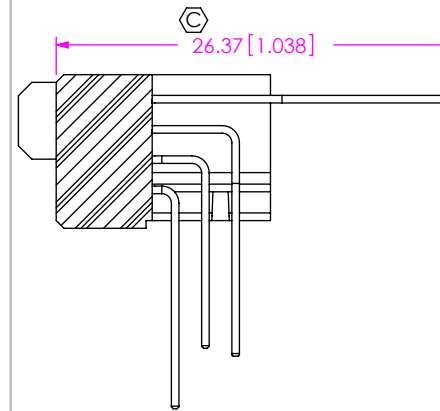
IN-PROCESS 4  
BEND ROW 2



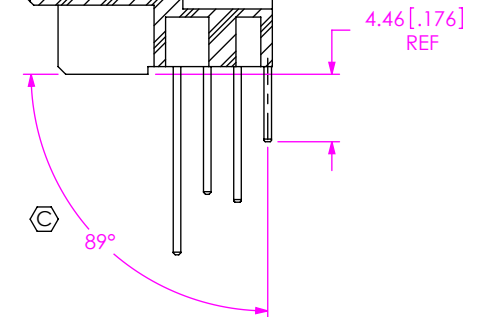
IN-PROCESS 5  
FILL C-79-XXX-X ROW 3



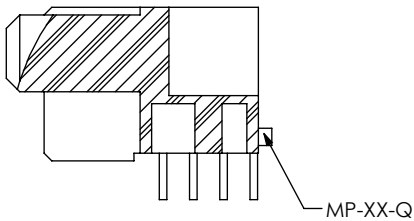
IN-PROCESS 6  
BEND ROW 3



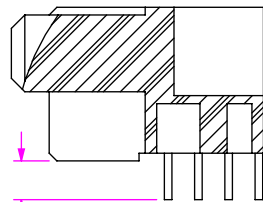
IN-PROCESS 7  
FILL C-79-XXX-X ROW 4



IN-PROCESS 8  
BEND ROW 4

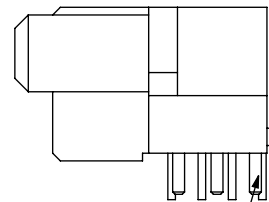


IN-PROCESS 9  
ADD MP-XX-Q



"A"  $\pm 0.25 [0.10]$   
(SEE TABLE 1, SHT 1)

IN-PROCESS 10  
SHEAR



SUB-C-215-XX-X

IN-PROCESS 11  
FILL SUB-C-215-XX-X

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

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e-Mail info@SAMTEC.com code 55322

DESCRIPTION:  
RA MINI-POWER W/ SIGNAL SOCKET

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

BY: BRATCHER 2/20/2007 SHEET 3 OF 4

TABLE 2								
PART NUMBER	BODY	"B" OAL -SD	"C"	"D"	"E"	"F"	"G"	"H"
MPSC-01-80-01-XX-XX-X-RA-XX	MPS-02-RA-80-XX	64.52 [2.540]	58.17 [2.290]	46.89 [1.846]	48.77 [1.920]	54.29 [2.137]	59.44 [2.340]	19
MPSC-02-80-02-XX-XX-X-RA-XX	MPS-04-RA-80-XX	74.52 [2.934]	68.17 [2.684]	56.89 [2.240]	58.77 [2.314]	64.29 [2.531]	69.44 [2.734]	19
MPSC-01-40-01-XX-XX-X-RA-SD	MPS-02-RA-40-SD	44.52 [1.753]	38.17 [1.503]	26.89 [1.059]	28.77 [1.133]	34.29 [1.350]	39.44 [1.553]	9
MPSC-01-24-01-XX-XX-X-RA-XX	MPS-02-RA-24-XX	36.52 [1.438]	30.17 [1.188]	18.89 [0.744]	20.77 [0.818]	26.29 [1.035]	31.44 [1.238]	5
MPSC-02-24-02-XX-XX-X-RA-XX	MPS-04-RA-24-XX	46.52 [1.831]	40.17 [1.581]	28.89 [1.137]	30.77 [1.211]	36.29 [1.429]	41.44 [1.631]	5
MPSC-01-16-01-XX-XX-X-RA-SD	MPS-02-RA-16-SD	32.52 [1.280]	26.17 [1.030]	14.89 [0.586]	16.77 [0.660]	22.29 [0.878]	27.44 [1.080]	3
MPSC-02-16-02-XX-XX-X-RA-SD	MPS-04-RA-16-SD	42.52 [1.674]	36.17 [1.424]	24.89 [0.980]	26.77 [1.054]	32.29 [1.271]	37.44 [1.474]	3
MPSC-00-24-03-XX-XX-X-RA-XX	MPS-03-RA-24-XX-PS	42.52 [1.674]	36.17 [1.424]	N/A	N/A	32.29 [1.271]	37.44 [1.474]	5
MPSC-00-24-04-XX-XX-X-RA-XX	MPS-04-RA-24-XX-PS	47.52 [1.871]	41.17 [1.621]	N/A	N/A	37.29 [1.468]	42.44 [1.671]	5
MPSC-00-20-03-XX-XX-X-RA-XX	MPS-03-RA-20-XX-PS	40.52 [1.595]	34.17 [1.345]	N/A	N/A	30.29 [1.193]	35.44 [1.395]	4
MPSC-00-20-04-XX-XX-X-RA-XX	MPS-04-RA-20-XX-PS	45.52 [1.792]	39.17 [1.542]	N/A	N/A	35.29 [1.389]	40.44 [1.592]	4
MPSC-00-16-03-XX-XX-X-RA-XX	MPS-03-RA-16-XX-PS	38.52 [1.517]	32.17 [1.267]	N/A	N/A	28.29 [1.114]	33.44 [1.317]	3
MPSC-00-16-04-XX-XX-X-RA-XX	MPS-04-RA-16-XX-PS	43.52 [1.713]	37.17 [1.463]	N/A	N/A	33.29 [1.311]	38.44 [1.513]	3
MPSC-00-12-03-XX-XX-X-RA-XX	MPS-03-RA-12-XX-PS	36.52 [1.438]	30.17 [1.188]	N/A	N/A	26.29 [1.035]	31.44 [1.238]	2
MPSC-00-12-04-XX-XX-X-RA-XX	MPS-04-RA-12-XX-PS	41.52 [1.635]	35.17 [1.385]	N/A	N/A	31.29 [1.232]	36.44 [1.435]	2

TABLE 3				
PLATING	POWER PIN CONTACT	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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