PRODUCT No.	ROWS	POWER		SIGNAL					POWER		
		E2	P4	P3	5	4	3	2	1	P2	P1	E1
51866-005__ NOTE: 1	D C B A		Pf	Pf	SRPN	SRPN	SRPN	SRPN	SRPN	Pf	Pf	

2.350±0.010 [59.69±0.25]

2.000 REF [50.80]

SIGNAL POS. A1

POWER POS. P1

B

C

A

C

B

A

VOID CORING OPTION, TYP

0.300 REF TYP [7.62]

0.475 REF [12.07]

0.100 REF TYP [2.54]

0.975 REF [24.77]

1.575 REF [40.01]

0.865 [21.97]

0.470 [11.94]

0.022 REF [0.56]
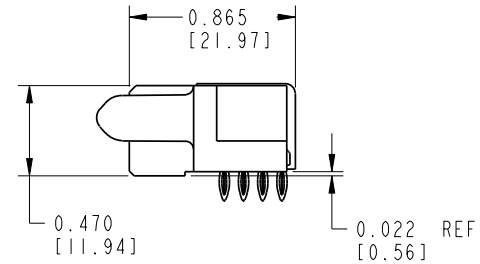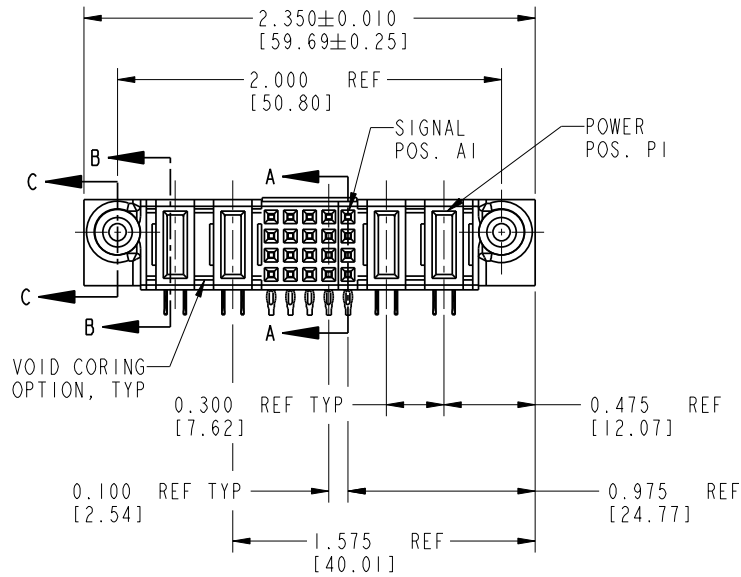
CODE	DIM "M" ±0.010[0.25]	DIM "T" ±0.010[0.25]	CONTACT TYPE
N	N/A [N/A]	0.154 [3.91]	SIGNAL
P	N/A [N/A]	0.154 [3.91]	SIGNAL
R	N/A [N/A]	0.154 [3.91]	SIGNAL
S	N/A [N/A]	0.154 [3.91]	SIGNAL
PF	0.092 [2.34]	0.154 [3.91]	POWER

mat'l code	SEE NOTE				tolerances unless otherwise specified	CUSTOMER COPY	FCI www.fciconnect.com
ltr	ecn no.	dr	date		.XX±.01/0.X±0.3		title 2P + 20S + 2P RIGHT ANGLE PRESSFIT RECEPTACLE
A	V12501	JWS	10/15/01	linear	.XXX±.005/0.XX±0.13	projection	
B	DG05-0530	GuoJM	12/09/05		.XXXX±.0020/0.XXX±0.051		
				angles	0°±2°		product family PwrBlade	code 213
				dr	J. SHAFFER	10/15/01	INCH/MM	size dwg no	
				engr	J. ALLISON	10/15/01		A 51866-005	sheet
				chr	J. ALLISON	10/15/01	scale 1:1		1 of 2
				appd	J. ALLISON	10/15/01			
sheet index	revision	B	B					
	sheet	1	2		Pro/E		cage code 22526	

FCI

A

B

PDM: Rev:B   STATUS: Released   Printed: Dec 20, 2010

PRODUCT NUMBER

51866-005__
NOTE: 1

DIM "T"±0.010
[±0.25]

0.495 REF
[12.57]

0.100 REF TYP
[2.54]

0.007 REF TYP
[0.18]

SECTION **A-A**
SCALE 1:1

DIM "M"±0.010
[±0.25]

DIM "T"±0.010
[±0.25]

0.495 REF
[12.57]

0.100 REF TYP
[2.54]

0.026 REF TYP
[0.66]

SECTION **B-B**
SCALE 1:1

Ø0.150 THRU HOLE
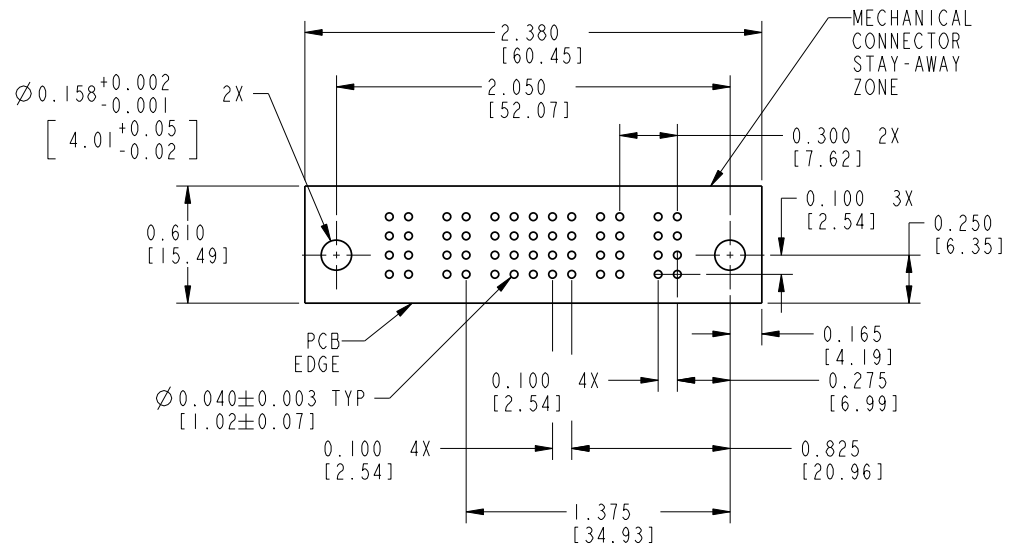
0.278 REF
[7.06]

0.160 REF
[4.06]
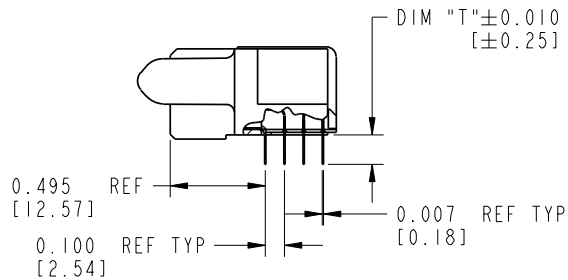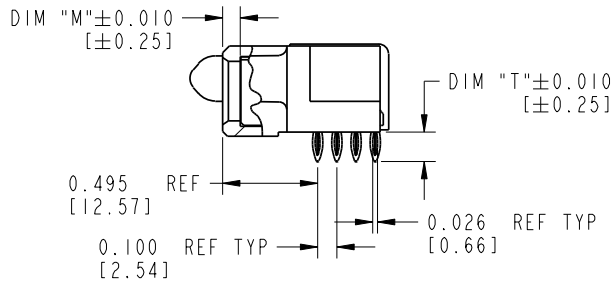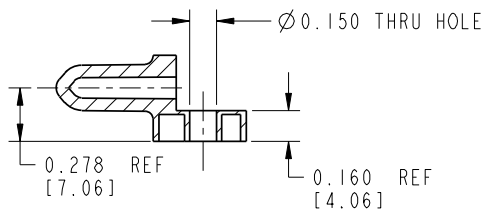
SECTION **C-C**
SCALE 1:1

CONNECTOR NOTES:

1 FOR ADDITIONAL INFORMATION, REFER TO DRAWING NUMBER 51866.

PCB NOTES:

2. ALL DIMENSIONS ARE BASIC UNLESS OTHERWISE SPECIFIED.

3. ALL THROUGH HOLES ARE LOCATED WITH A TRUE POSITION OF 0.004 [0.10]

4. ALL HOLE DIAMETERS ARE FINISHED HOLE SIZE.

5. Ø0.158 THROUGH HOLES ARE UNPLATED.

6. Ø0.0453±0.0010 [1.151±0.025] DRILLED HOLES PLATED WITH 0.0003 [0.008] MIN SnPb OVER 0.001 [0.03] TO 0.003 [0.08] Cu PLATING TO ACHIEVE A Ø0.040±0.003 [1.02±0.07] HOLE.

7. USE FCI CAM TOOL 430140-XXX TO APPLY CONNECTOR TO PCB.

2.380
[60.45]

2.050
[52.07]

MECHANICAL CONNECTOR STAY-AWAY ZONE

$Ø0.158^{+0.002}_{-0.001}$
$[4.01^{+0.05}_{-0.02}]$

2X

0.300 2X
[7.62]

0.610
[15.49]

0.100 3X
[2.54]

0.250
[6.35]

PCB EDGE

Ø0.040±0.003 TYP
[1.02±0.07]

0.100 4X
[2.54]

0.165
[4.19]

0.275
[6.99]

0.100 4X
[2.54]

0.825
[20.96]

1.375
[34.93]

mat'l code				tolerances unless otherwise specified	CUSTOMER			
ltr	ecn no.	dr	date		COPY			
B				linear	projection	title		
				.XX±.01/0.X±0.3			2P + 20S + 2P	
				.XXX±.005/0.XX±0.13			RIGHT ANGLE PRESSFIT RECEPTACLE	
				.XXXX±.0020/0.XXX±0.051				
			angles	0°±2°				
			dr	J. SHAFFER	10/15/01	INCH/MM	product family	PwrBlade	code
			engr	J. ALLISON	10/15/01		size	dwg no	213
			chr	J. ALLISON	10/15/01	scale	A	51866-005	sheet 2
			appd	J. ALLISON	10/15/01	1:1			
sheet index	revision							
	sheet							

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Pro/E