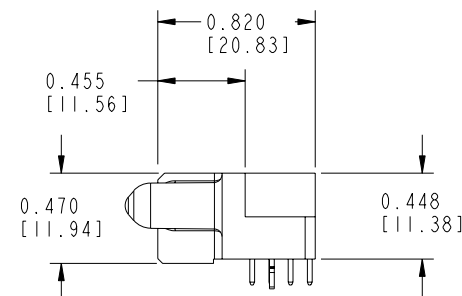
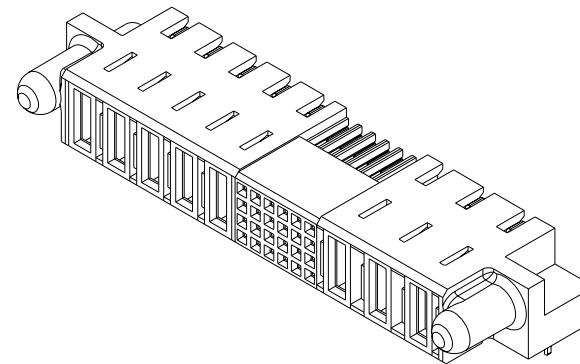
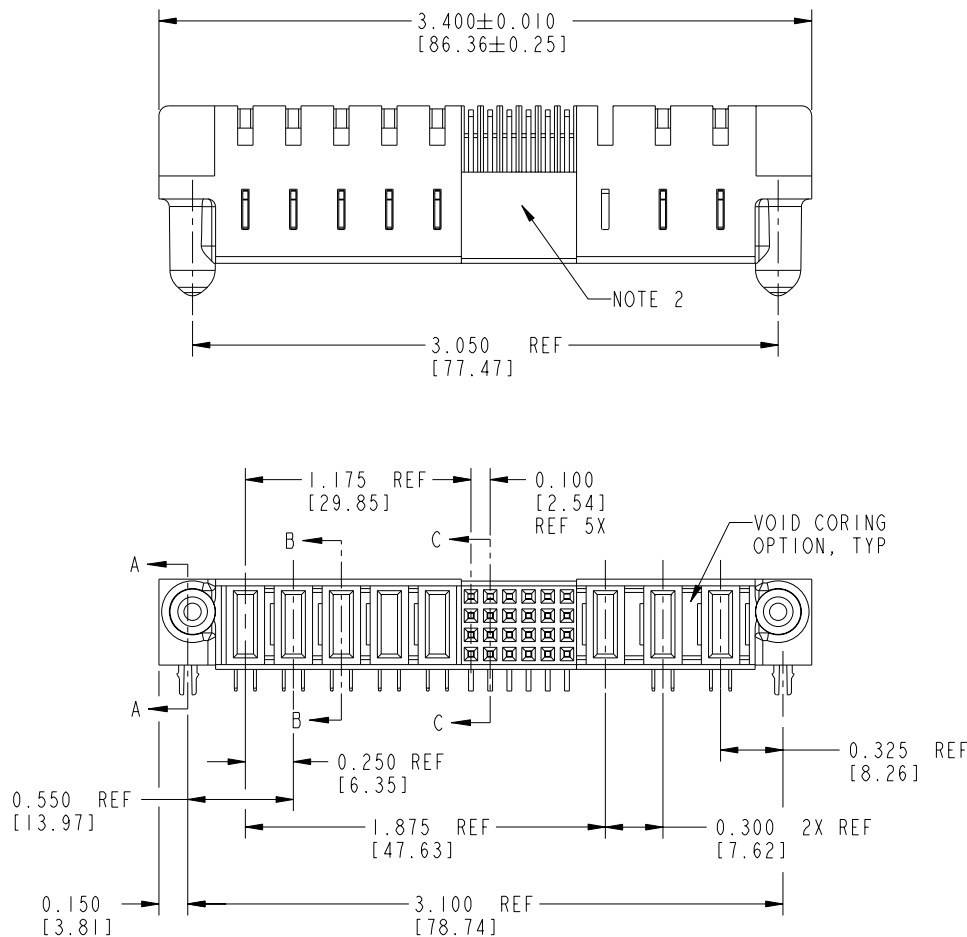


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PRODUCT NUMBER
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mat'l code				NOTE 1		tolerances unless otherwise specified		CUSTOMER COPY		A FCI www.fciconnect.com	
ltr	ecr no.	dr	date			.XX \pm .01 / .X \pm .3		projection		title	
A	V02395	JRW	11-13-00	linear		.XXX \pm .005 / .XX \pm .13				3ACP + 24S + 5P	
B	DG05-0186	GuoJM	06/23/05	angles		.XXXX \pm .0020 / .XXX \pm .051				RIGHT ANGLE SOLDER RECEPT.	
						0° \pm 2°		IN/MM		product family	PwrBlade
				dr	M. GALLUPS	04-25-00		scale	1:1	size	dwg no
				enrg	J. BROWN	04-25-00				A	51810
				chr	J. BROWN	04-25-00					code
				appd	J. BROWN	04-25-00					213
sheet index	revision sheet	B	B	B	B	B					SHEET 1 OF 4
		1	2	3	4						

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form no. 7530-001-103

1 2

PDM: Rev:B

STATUS: Released

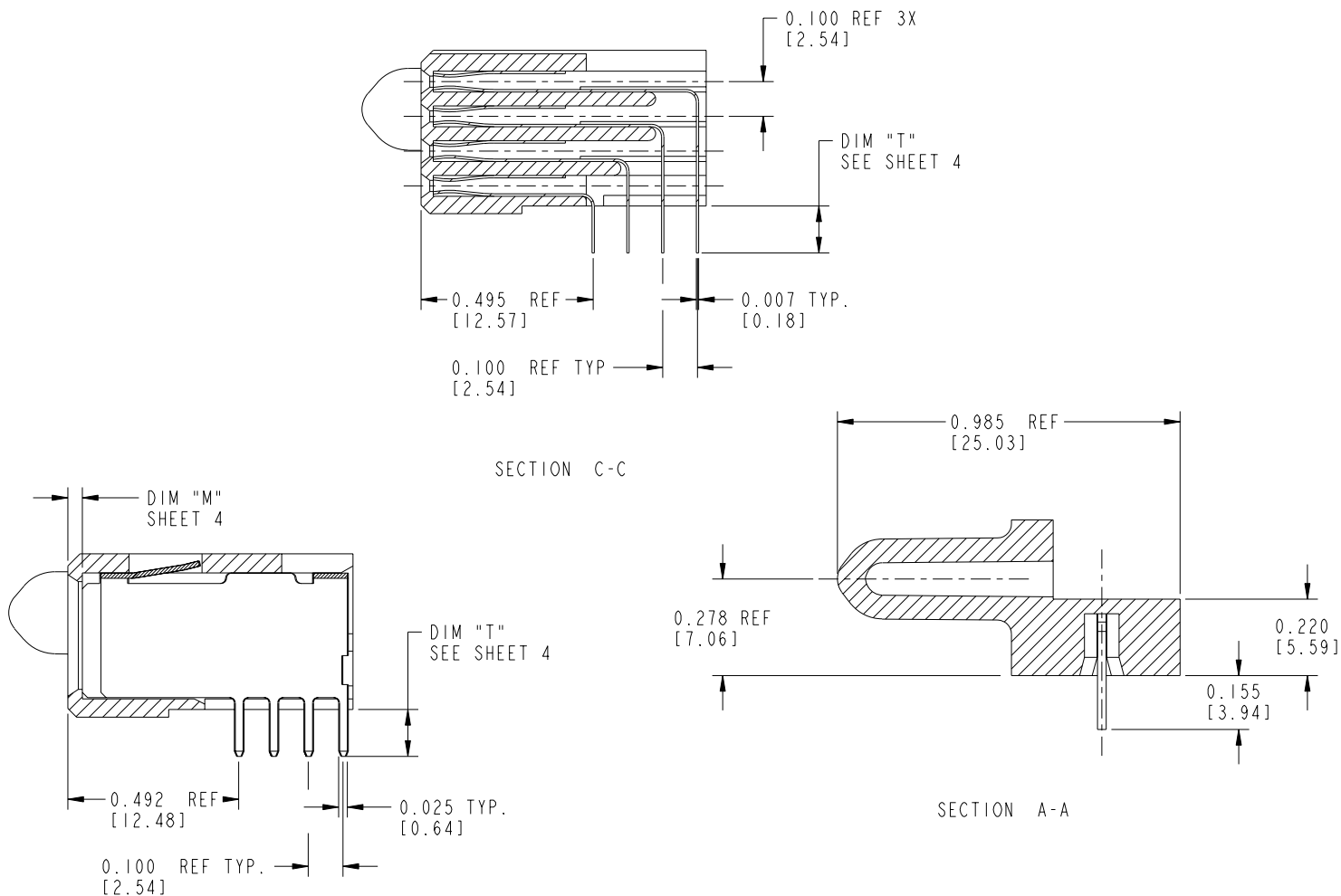
Printed: Dec 20, 2010

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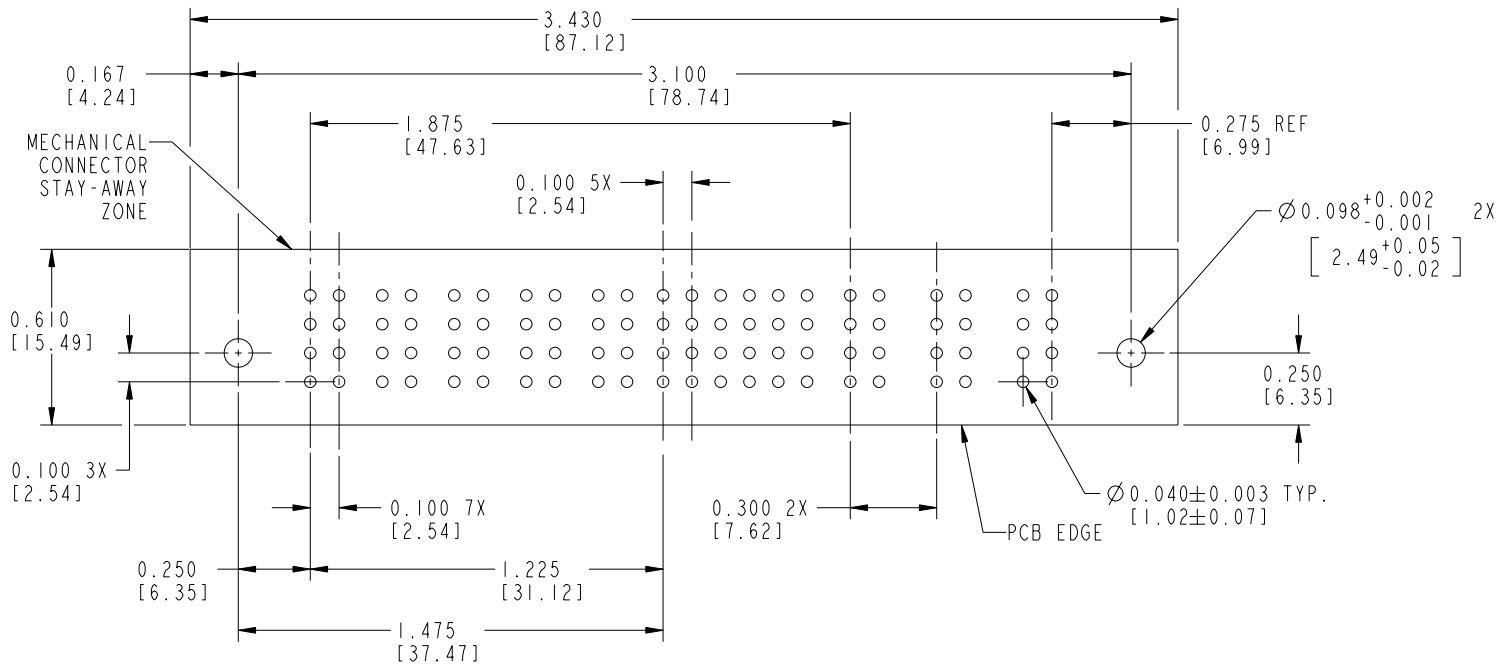
PRODUCT NUMBER
SEE SHEET 4



mat'l code				tolerances unless otherwise specified		CUSTOMER COPY		 www.fciconnect.com	
ltr	ecn no.	dr	date	linear	$.XX \pm .01 / .X \pm .3$ $.XXX \pm .005 / .XX \pm .13$ $.XXXX \pm .0020 / .XXX \pm .051$	projection		title	
B				angles	$0^\circ \pm 2^\circ$		IN/MM	3ACP + 24S + 5P RIGHT ANGLE SOLDER RECEPT.	
				dr	M. GALLUPS 04-25-00	 2:1	A	product family	
				enrg	J. BROWN 04-25-00			PwrBlade	
				chr	J. BROWN 04-25-00			size	code
				appd	J. BROWN 04-25-00			dwg no	213
sheet index	revision sheet							51810	SHEET 2

















A
FCI















PRODUCT NUMBER
SEE SHEET 4



RECOMMENDED PCB LAYOUT

mat'l code				tolerances unless otherwise specified		CUSTOMER COPY		A FCI www.fciconnect.com	
ltr	ecr no.	dr	date	linear	.XX ± .01 / .X ± .3	projection IN/MM scale 3:2	title 3ACP + 24S + 5P RIGHT ANGLE SOLDER RECEPT.	product family PwrBlade	code 213
B					.XXX ± .005 / .XX ± .13				
					.XXXX ± .0020 / .XXX ± .051				
				angles	0° ± 2°	A	size 51810	dwg no 3	SHEET 3
				dr	M. GALLUPS 04-25-00				
				enr	J. BROWN 04-25-00				
				chr	J. BROWN 04-25-00				
				appd	J. BROWN 04-25-00				
sheet index	revision sheet								

1														2														3														4													
PRODUCT No.	ROWS	POWER						SIGNAL						POWER			E1	ITEM NO.	QTY	DIM "M" MATING LENGTH ±.010 [.25]	DIM "T" TAIL LENGTH ±.010 [.25]	CONTACT TYPE																																	
		E2	P8	P7	P6	P5	P4	6	5	4	3	2	1	P3	P2	P1																																							
51810-001-- Note:③	D C B A																	PA	7	0.042 [1.07]	0.135 [3.43]	POWER																																	
																		E	6	N/A [N/A]	0.135 [3.43]	SIGNAL																																	
																		F	6	N/A [N/A]	0.135 [3.43]	SIGNAL																																	
																		G	6	N/A [N/A]	0.135 [3.43]	SIGNAL																																	
																		H	6	N/A [N/A]	0.135 [3.43]	SIGNAL																																	
																		HA	2	N/A [N/A]	N/A [N/A]	HOLD-DOWN																																	

PRODUCT No.	ROWS	POWER					SIGNAL					POWER			E1	
		E2	P8	P7	P6	P5	P4	6	5	4	3	2	1	P3		P2
51810-002-- Note:③	D C B A															
NOTES:																

NOTES:

1. HOUSING MATERIAL: UL 94 V-0 GLASS FILLED HIGH TEMP
THERMOPLASTIC FLAME RETARDANT PER UL94 V-0
SIGNAL CONTACT MATERIAL: COPPER ALLOY
POWER CONTACT MATERIAL: COPPER ALLOY

2. MANUFACTURER NAME, P/N, AND DATE CODE TO APPEAR ON THIS SURFACE.

3. PLATING:
51810-00X Singal Pin:30u"/0.76um Au OVER 50u"/1.27um Ni ON THE CONTACT AREA,
AND 100u"/2.54um SnPb PLATING OVER 50u"/1.27um Ni ON THE TERMINATION SECTION.
Power Pin:30u"/0.76um Au OVER 50u"/1.27um Ni ON THE CONTACT AREA,
AND 100u"/2.54um SnPb PLATING OVER 50u"/1.27um Ni ON THE TERMINATION SECTION.

- 51810-00XLF Singal Pin:30u"/0.76um Au OVER 50u"/1.27um Ni ON THE CONTACT AREA,
AND 78u"/2.00um Sn PLATING OVER 50u"/1.27um Ni ON THE TERMINATION SECTION.
Power Pin:30u"/0.76um Au OVER 50u"/1.27um Ni ON THE CONTACT AREA,
AND 78u"/2.00um Sn PLATING OVER 50u"/1.27um Ni ON THE TERMINATION SECTION.

PART NUMBER 51810-00XLF MEETS EUROPEAN UNION DIRECTIVE AND OTHER COUNTRY REGULATIONS AS DESCRIBED IN GS-22-008.

THE HOUSING WILL WITHSTAND EXPOSURE TO 260° PEAK TEMPERATURE FOR 10 SECONDS IN A WAVE SOLDER APPLICATION WITH A CIRCUIT BOARD.

PCB - NOTES

4. ALL DIMENSIONS ARE BASIC UNLESS OTHERWISE SPECIFIED.
5. ALL THROUGH HOLES ARE LOCATED WITH A TRUE POSITION OF .004
6. ALL HOLE DIAMETERS ARE FINISHED HOLE SIZE
7. \varnothing .0453/1.151 DRILLED HOLES
PLATED WITH .0003/.007 MIN SnPb
OVER .001/.03 to .003/.08 Cu PLATING TO ACHIEVE
A .040 \pm .003/1.02 \pm .08 HOLE

[illegible]

Mouser Electronics

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