

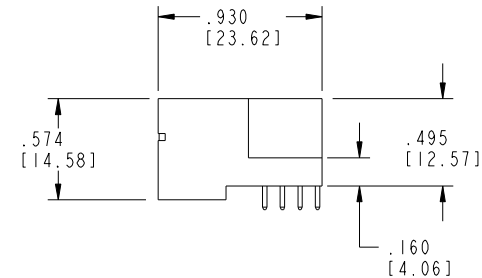
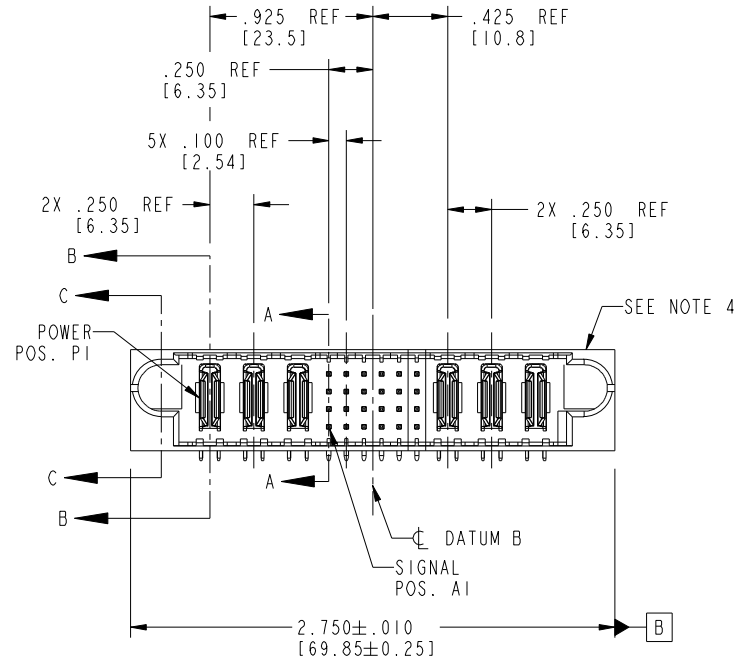


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CODE	DIM "M" MATING LENGTH	CONTACT TYPE
F	.220 [5.59]	SIGNAL
R	.270 [6.86]	SIGNAL
S	.270 [6.86]	SIGNAL
T	.270 [6.86]	SIGNAL
U	.270 [6.86]	SIGNAL
PA	N/A [N/A]	POWER

PRODUCT NO.	ROWS	POWER			SIGNAL						POWER			E2	
		E1	P1	P2	P3	1	2	3	4	5	6	P4	P5		P6
51730-117-- NOTE③	D C B A														
															



mat'l code				SEE NOTE 2		tolerances unless otherwise specified		CUSTOMER		FCI		www.fciconnect.com	
litr	ecn no.	dr	date			linear	.XX±.01/0.X±0.3	COPY					
A	DG05-0283	SW	08/17/05				.XXX±.005/0.XX±0.13	projection					
B	DG05-0455	CS	11/12/05				.XXX±.0020/0.XXX±0.051						
C	DG08-0253	SH	09/13/08			angles	0°±2°						
						dr	STEVEN WANG 08/17/05	INCH/MM					
						enrg	STEVEN WANG 08/17/05	scale					
						chr	VICTOR LIN 08/17/05	1:1					
						appd	JOSEPH HSIA 08/17/05						
sheet index	revision sheet	C	C	C	C	C	C						
		1	2	3	4								

sheet index

revision sheet

C C C C C

1 2 3 4

Pro/E

3

cage code 22526

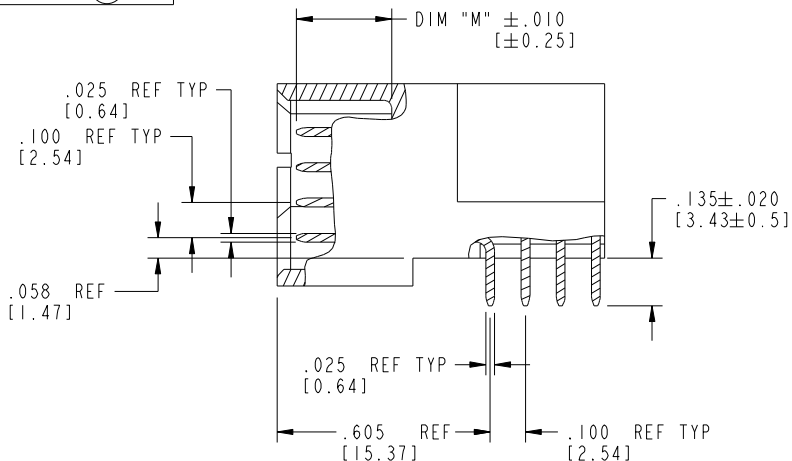
4

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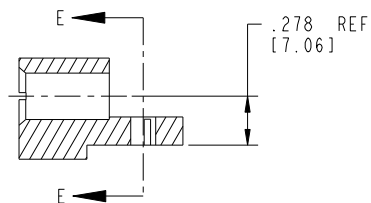


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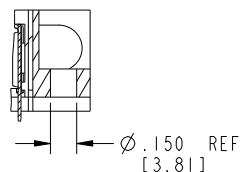
PRODUCT NUMBER
51730-117--
NOTE (3)



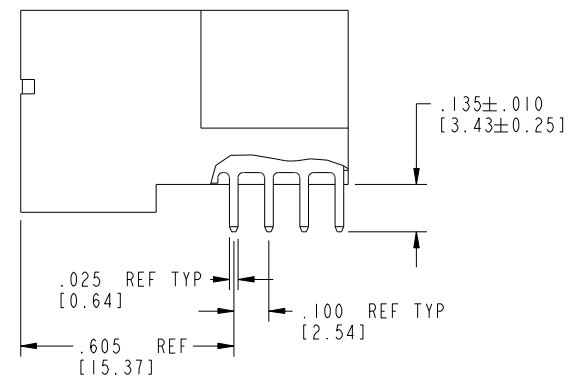
BROKEN-OUT SECTION A-A
SCALE 2:1



SECTION C-C



PARTIAL SECTION E-E



BROKEN-OUT SECTION B-B
SCALE 2:1

mat'l code				SEE NOTE 2		tolerances unless otherwise specified		CUSTOMER		FCI		www.fciconnect.com	
litr	ecr no.	dr	date	linear	.XX±.01/0.X±0.3		COPY		projection	title			
C					.XXX±.005/0.XX±0.13		INCH/MM			3P + 24S + 3P			
					.XXX±.0020/0.XXX±0.051					RIGHT ANGLE SOLDER HEADER			
				angles	0°±2°		scale			product family		PwrBlade	code
				dr	STEVEN WANG	08/17/05				size		dwg no	213
				enrg	STEVEN WANG	08/17/05	1:1		A	51730-117		sheet	
				chr	VICTOR LIN	08/17/05						2 of 4	
				appd	JOSEPH HSIA	08/17/05							
sheet index		revision sheet											

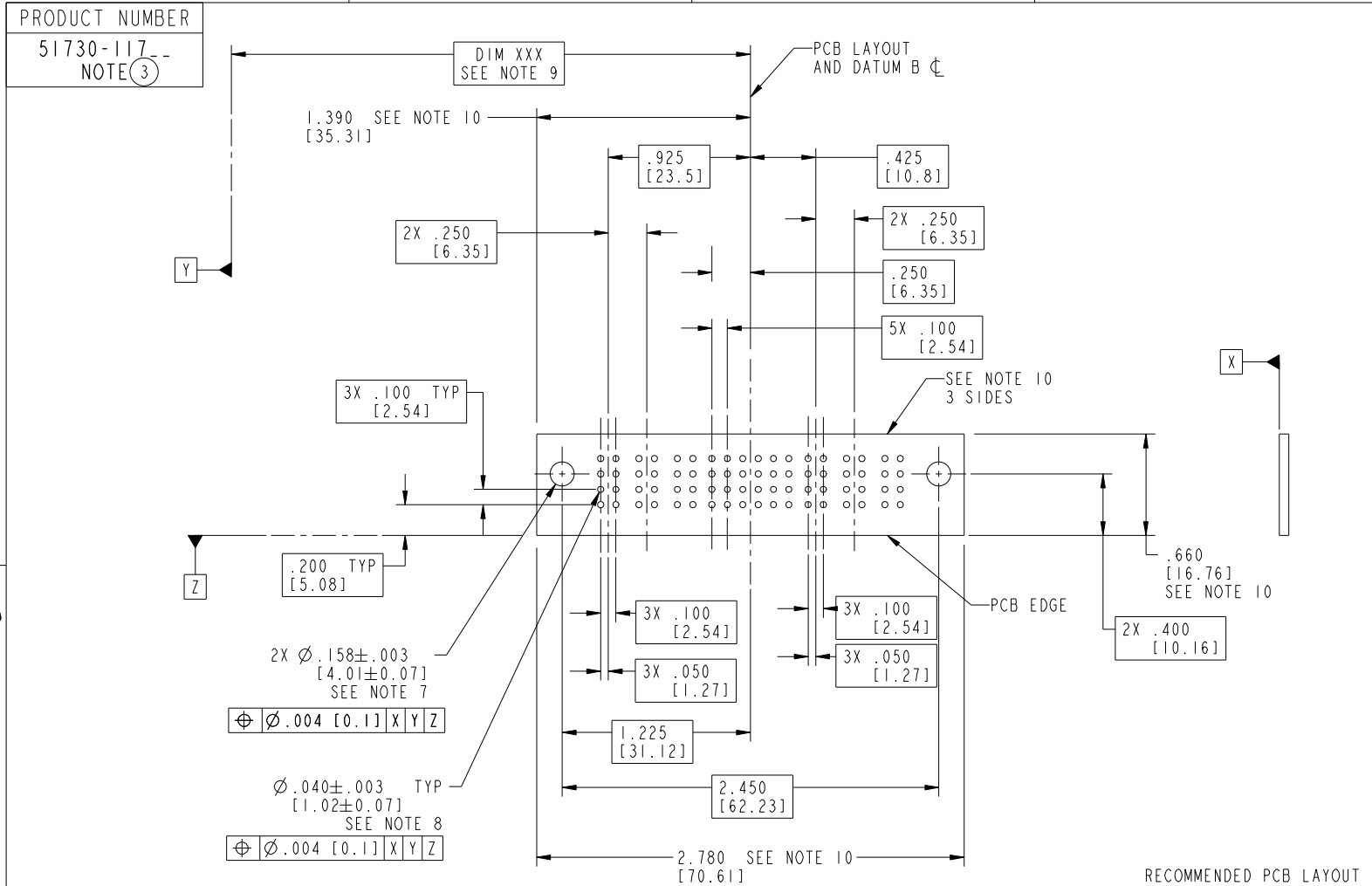
Pro/E

cage code 22526

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RECOMMENDED PCB LAYOUT

mat'l code				SEE NOTE 2		tolerances unless otherwise specified		CUSTOMER		FCI		www.fciconnect.com	
litr	ecn no.	dr	date	linear	angles	.XX±.01/0.X±0.3		COPY		projection		title	
C						.XXX±.005/0.XX±0.13		INCH/MM		3P + 24S + 3P		RIGHT ANGLE SOLDER HEADER	
						.XXX±.0020/0.XXX±0.051		scale		product family		code	
				dr	enr	STEVEN WANG 08/17/05		1:1		PwrBlade		213	
				enr	chr	STEVEN WANG 08/17/05		A		size		sheet	
				chr	appd	VICTOR LIN 08/17/05		51730-117		dwg no		3 of 4	
				appd		JOSEPH HSIA 08/17/05							
sheet index		revision sheet											

Pro/E

cage code 22526

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A



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B

1 | 2

3 |

4

PRODUCT NUMBER
51730-117--
NOTE (3)

NOTES:

1. DIMENSIONS AND TOLERANCES ARE IN ACCORDANCE WITH
ASME Y14.5M, 1994 UNLESS OTHERWISE SPECIFIED.

CONNECTOR NOTES:

- (2.) HOUSING MATERIAL: UL 94 V-0 GLASS FILLED
HIGH-TEMP THERMOPLASTIC
POWER CONTACT MATERIAL: COPPER ALLOY
SIGNAL PIN MATERIAL: COPPER ALLOY

3. PLATING:
△ SEE ITEM 1 & 2 IN PRINT 10064183 FOR PLATING SPEC OF 51730-117 AND 51730-117LF RESPECTIVELY

- (4.) MANUFACTURER'S NAME, P/N, AND DATE CODE TO APPEAR ON
THIS SURFACE.

5. PRODUCT SPECIFICATION GS-12-149.
APPLICATION SPECIFICATION BUS-20-067.

PCB NOTES:

6. ALL HOLE DIAMETERS ARE FINISHED HOLE SIZE.

- (7.) MOUNTING HOLES, WHERE APPLICABLE, ARE UNPLATED.

- (8.) $\varnothing .0453 \pm 0.0010$ [1.151 ± 0.025] DRILLED HOLES PLATED WITH
0.0003 [0.008] MIN SnPb OVER .001 [0.03]
TO .003 [0.08] Cu PLATING TO ACHIEVE
 $\varnothing .040 \pm .003$ [$1.02 \pm .07$] HOLE.

- (9.) "DIM XXX" TO BE DETERMINED BY THE CUSTOMER.

- (10.) CONNECTOR KEEP-OUT ZONE.

11: A △ SYMBOL WILL BE NEXT TO ANY DIMENSION, VIEW,
OR NOTE WHICH HAS BEEN MODIFIED WITH CURRENT
DRAWING VERSION.

mat'l code				SEE NOTE 2				tolerances unless otherwise specified				CUSTOMER				 www.fciconnect.com			
ltr	ecn no.	dr	date	linear	$.XX \pm .01 / 0.X \pm 0.3$				COPY					title 3P + 24S + 3P RIGHT ANGLE SOLDER HEADER					
C					$.XXX \pm .005 / 0.XX \pm 0.13$				projection										
					$.XXX \pm .0020 / 0.XXX \pm 0.051$				INCH/MM										
				angles	$0^\circ \pm 2^\circ$				scale				product family						
				dr	STEVEN WANG 08/17/05				1:1				PwrBlade						
				enrg	STEVEN WANG 08/17/05								code						
				chr	VICTOR LIN 08/17/05								213						
				appd	JOSEPH HSIA 08/17/05								sheet						
sheet index		revision sheet															4 of 4		

A

B

1 | 2

Pro/E

3 |

cage code 22526

4

Mouser Electronics

Authorized Distributor

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[51730-117LF](#)