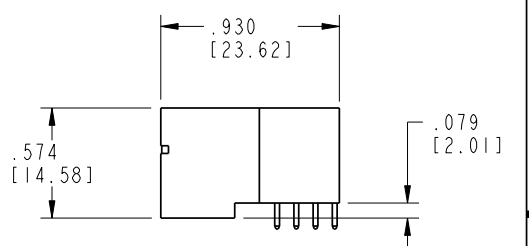
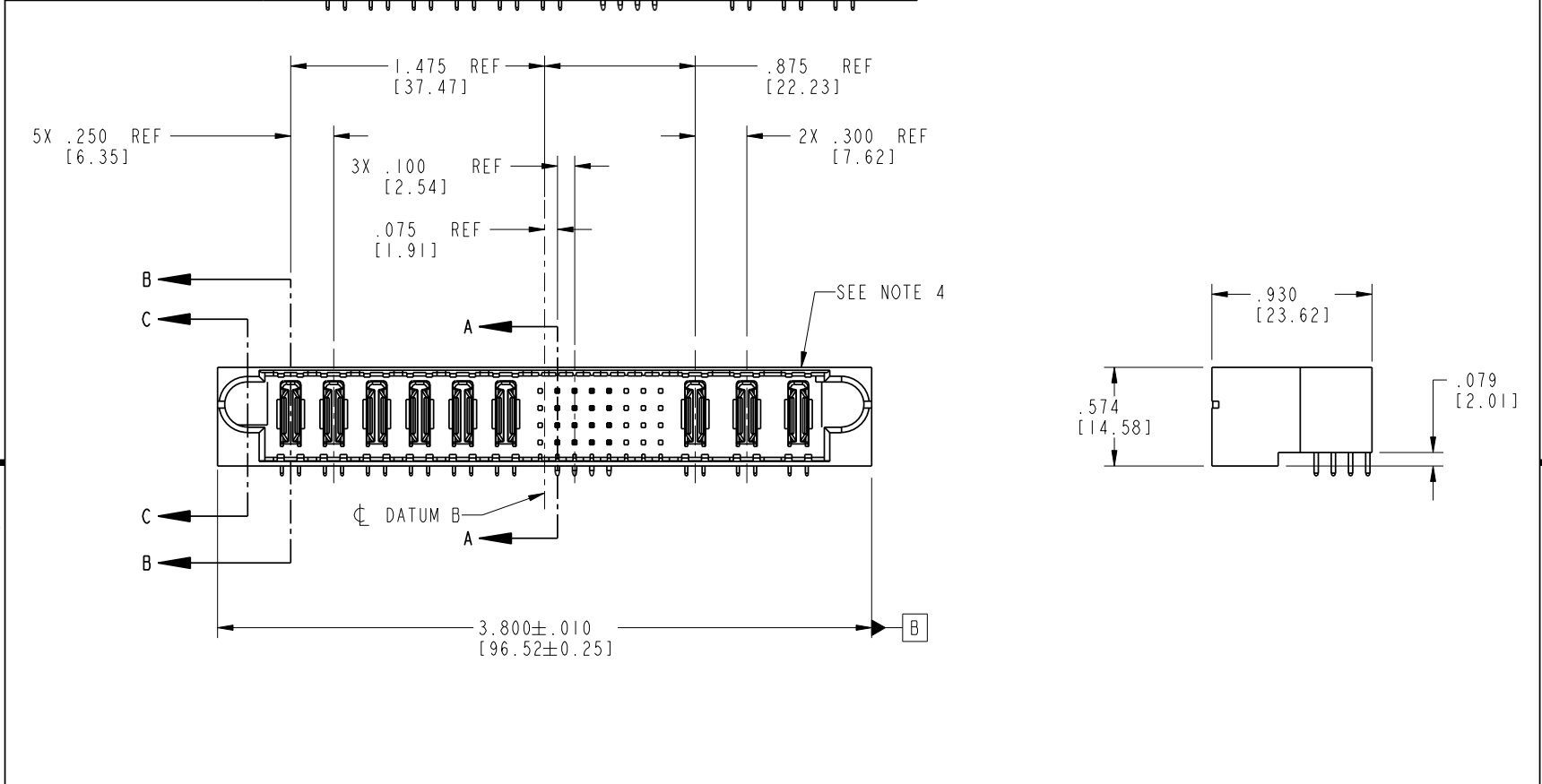
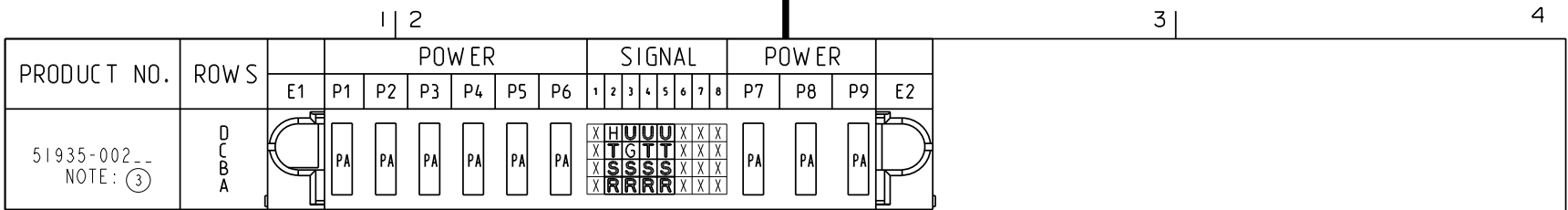


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**FCI**



CODE	DIM "M" MATING LENGTH	CONTACT TYPE
G	.220 [5.59]	SIGNAL
H	.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
X	OMITTED	OMITTED

mat'l code				SEE NOTE 2		tolerances unless otherwise specified		CUSTOMER	
lir	ecn no.	dr	date	linear	angles	projection		COPY	
A	V20024	DA1	01/18/02	.XX±.01/0.X±0.3		MM		FCI www.fciconnect.com	
B	V20464	DA1	03/07/02	.XXX±.005/0.XX±0.13		MM		title 6P + 32S + 3P	
C	V21561	CGD	10/02/02	.XXXX±.0020/0.XXX±0.051	0°±2°	MM		RIGHT ANGLE SOLDER HEADER w/ GUIDE POST	
D	DG05-0216	SJ	07/11/05			MM		product family PwrBlade code 213	
E	DG06-0005	JMG	01/07/06			MM		size dwg no 51935-002 sheet 1 of 4	
sheet index				revision sheet		scale 1:1		code code 22556	
				E E E E				STAT	
				1 2 3 4				Released	

Pro/E

**PDM: Rev: E**

STAT **Released** Printed: Aug 15, 2007

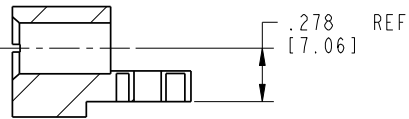
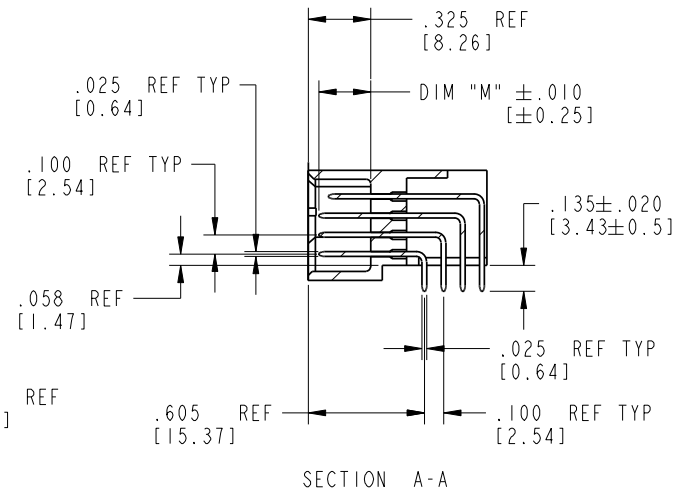
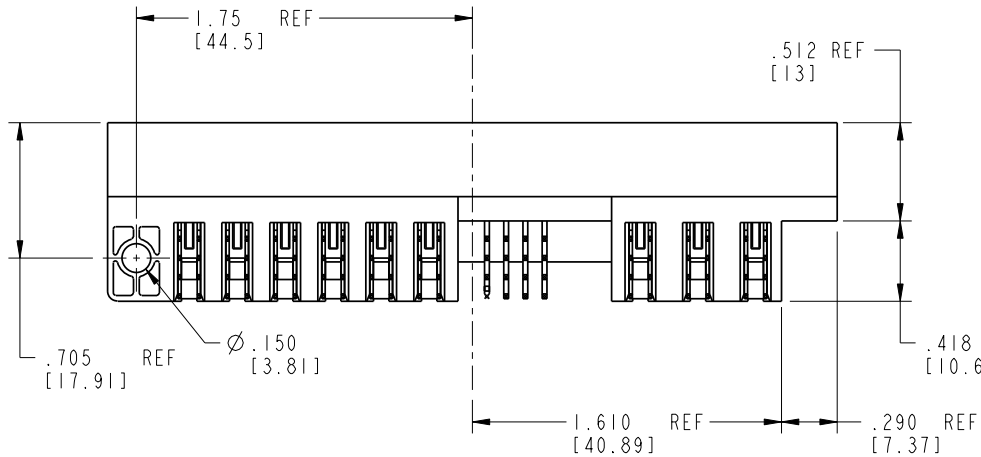
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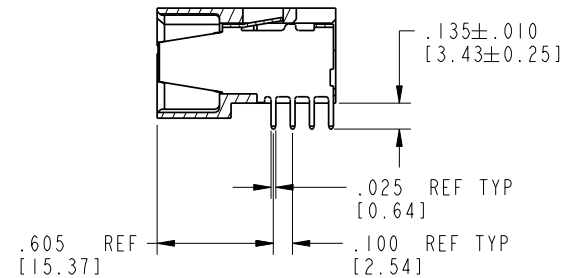
**FCI**

PRODUCT NUMBER

51935-002--  
NOTE: ③



SECTION C-C



SECTION B-B

mat'l code		SEE NOTE 2		tolerances unless otherwise specified		CUSTOMER		<b>FCI</b>		www.fciconnect.com	
lir	ecn no.	dr	date	linear	.XX±.01/0.X±0.3	projection	COPY		title		
E					.XXY±.005/0.XX±0.13		6P + 32S + 3P		RIGHT ANGLE SOLDER HEADER w/ GUIDE POST		
				angles	.XXX±.0020/0.XXX±0.051		product family		PwrBlade		
				dr	D. INGRAM 01/18/02	MM	size	dwg no	code		
				enrg	M. MOSTOLLER 01/18/02	scale	A	51935-002	213		
				chr	M. MOSTOLLER 01/18/02	1:1			sheet		
				appd	M. MOSTOLLER 01/18/02				2 of 4		
sheet index	revision sheet										

code code 22556

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**FCI**

PRODUCT NUMBER  
51935-002--  
NOTE: ③

DIM XXX  
SEE NOTE 9

.875  
[22.23]

1.915  
[48.64]

1.475  
[37.47]

5X .250  
[6.35]

2X .300  
[7.62]

.075  
[1.91]

3X .100 TYP  
[2.54]

3X .100  
[2.54]

.200 TYP  
[5.08]

Y

X

Z

2X  $\varnothing .158 \pm .003$   
[4.01 ± 0.07]  
SEE NOTE 7

$\oplus .004$  [0.1] X|Y|Z

$\varnothing .040 \pm .003$  TYP  
[1.02 ± 0.07]  
SEE NOTE 8

$\oplus .004$  [0.1] X|Y|Z

PCB LAYOUT

6X .100  
[2.54]

6X .050  
[1.27]

3X .100  
[2.54]

3X .050  
[1.27]


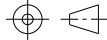
.660  
[16.76]

2X .300  
[7.62]

3.500  
[88.9]

3.830  
[97.28]

RECOMMENDED PCB LAYOUT

mat'l code				SEE NOTE 2		tolerances unless otherwise specified		CUSTOMER		 www.fciconnect.com	
lir	ecn no.	dr	date	linear	.XX±.01/0.X±0.3	projection	COPY		title		
E					.XXX±.005/0.XX±0.13				6P + 32S + 3P		
				angles	.XXX±.0020/0.XXX±0.051	$0^\circ \pm 2^\circ$			RIGHT ANGLE SOLDER HEADER w/ GUIDE POST		
				dr	D. INGRAM	01/18/02	MM		product family		code
				enrg	M. MOSTOLLER	01/18/02	scale		PwrBlade		213
				chr	M. MOSTOLLER	01/18/02	1:1		size		sheet
				appd	M. MOSTOLLER	01/18/02			A		3 of 4
sheet index		revision sheet									

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Printed: Aug 15, 2007

PDM: Rev: E

Pro/E

code code 22556

4

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**A**  
**FCI**

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**B**

1 | 2

3 |

4

**A**

**B**

**PRODUCT NUMBER**

51935-002--  
NOTE: ③

**NOTES:**

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

**CONNECTORS NOTES:**

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

3. 51935-002;51935-002LF;51935-002GLF PLATING SPEC. SEE PRINT:10064183  
4. "MANUFACTURER" NAME, P/N, AND DATE CODE TO APPEAR ON THIS SURFACE.

5. PRODUCT SPECIFICATION GS-12-149.


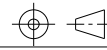


**PCB - NOTES:**

6. ALL HOLE DIAMETERS ARE FINISHED HOLE SIZE.

7. HOLD DOWN THROUGH HOLES ARE UNPLATED.

8.  $\varnothing .0453 \pm 0.0010$  [1.151  $\pm$  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.

mat'l code				SEE NOTE 2		tolerances unless otherwise specified		CUSTOMER		 www.fciconnect.com	
lir	ecn no.	dr	date	linear	.XX±.01/0.X±0.3		projection	COPY		title	
E					.XXX±.005/0.XX±0.13					6P + 32S + 3P	
					.XXXX±.0020/0.XXX±0.051					RIGHT ANGLE SOLDER HEADER w/ GUIDE POST	
				angles	$0^{\circ} \pm 2^{\circ}$		 MM scale 1:1	product family		code	
				dr	D. INGRAM	01/18/02		PwrBlade		213	
				enrg	M. MOSTOLLER	01/18/02		size	dwg no	sheet	
				chr	M. MOSTOLLER	01/18/02		A	51935-002	4 of 4	
				appd	M. MOSTOLLER	01/18/02					
sheet index		revision sheet									

1 | 2

Pro/E

**PDM: Rev: E**

STAT **US: Released**

code code 22526  
4  
Printed: Aug 15, 2007