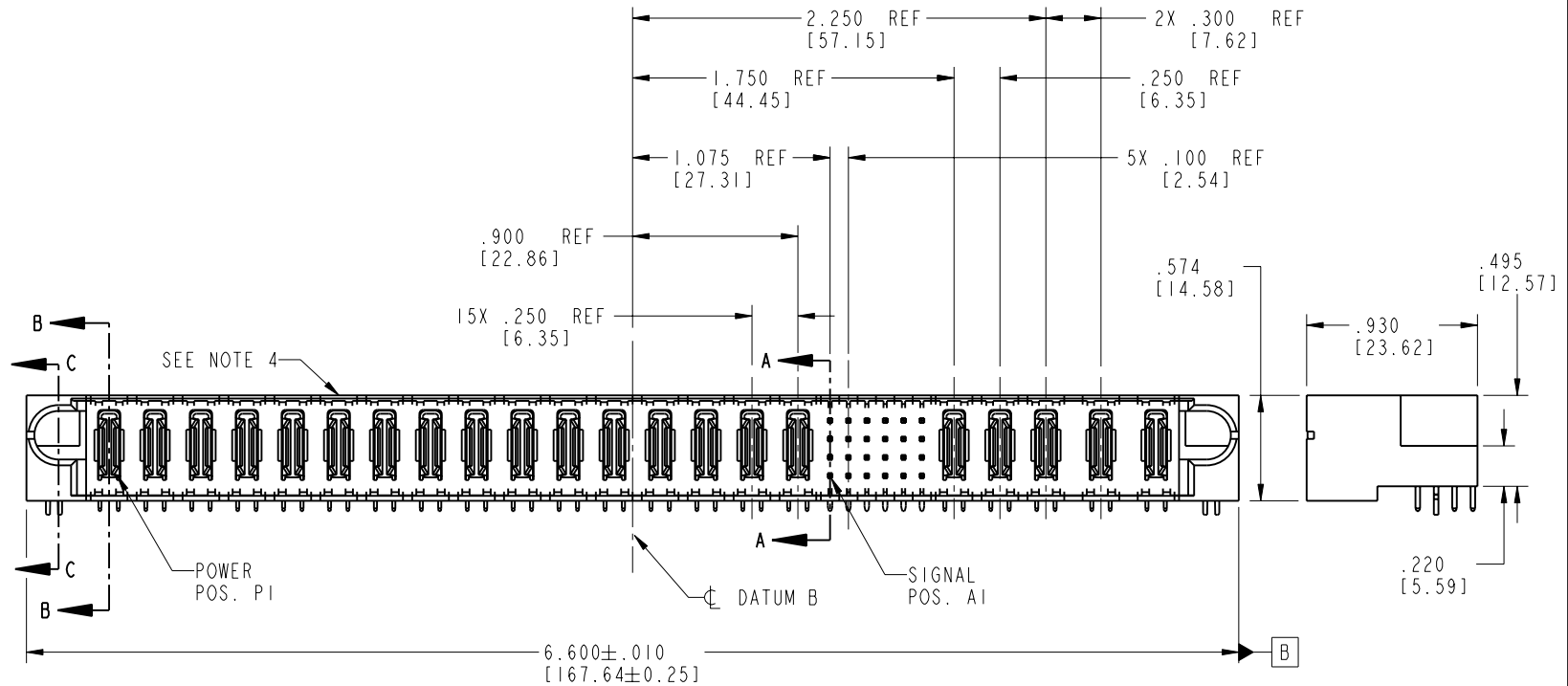
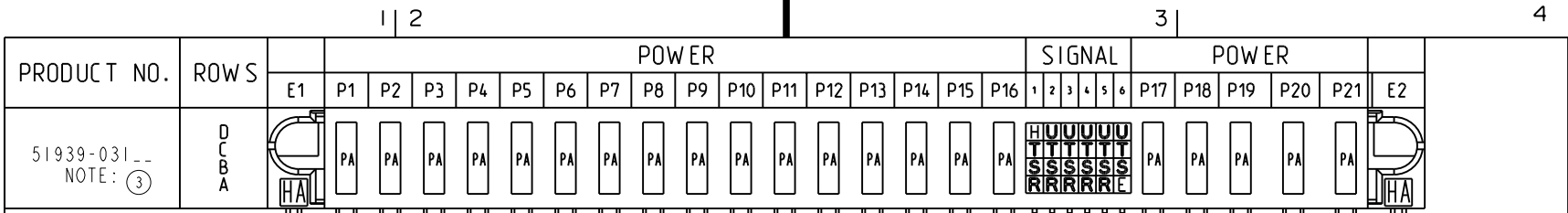


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CODE	DIM "M"	MATING LENGTH	CONTACT TYPE
E	.220	[5.59]	SIGNAL
H	.220	[5.59]	SIGNAL
R	.270	[6.86]	SIGNAL
S	.270	[6.86]	SIGNAL
T	.270	[6.86]	SIGNAL
U	.270	[6.86]	SIGNAL
PA	N/A	[N/A]	POWER
HA	N/A	[N/A]	HOLD-DOWN

mat'l code				SEE NOTE 2		tolerances unless otherwise specified		CUSTOMER		 www.fciconnect.com	
ltr	ecn no.	dr	date	linear	.XX±.01/0.X±0.3		COPY		 title 6P + 24S + 2P + 3ACP RIGHT ANGLE SOLDER HEADER		
A	V21557	CGD	09/30/02		.XXX±.005/0.XX±0.13		projection		product family PwrBlade code 213		
B	DG05-0206	SJ	07/05/05		.XXX±.0020/0.XXX±0.051		 INCH/MM		size dwg no A 51939-031 sheet 1 of 4		
C	DG06-0008	JMG	01/07/06		angles 0°±2°		scale 1:1				
sheet index		revision sheet		C	C	C	C				
				1	2	3	4				

Pro/E

cage code 22526

PDM: Rev:C

STATUS: Released

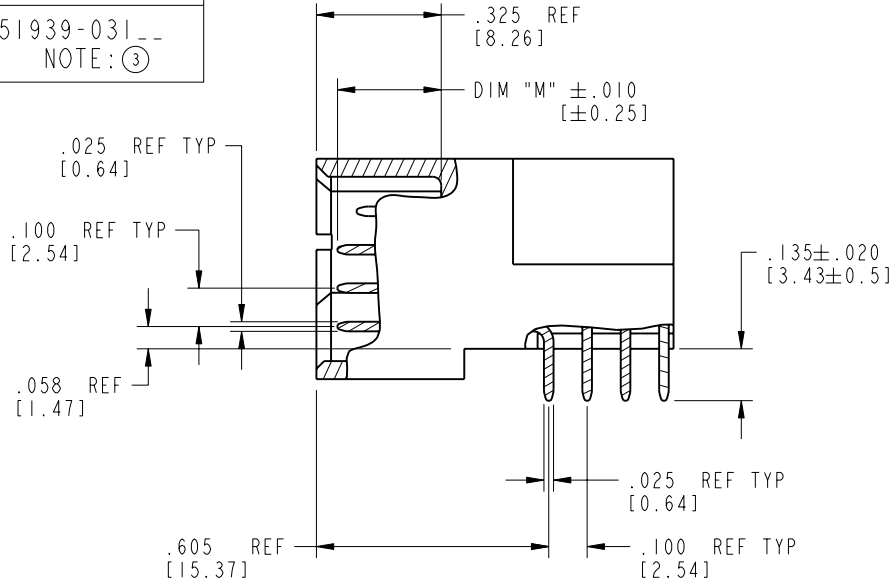
Printed: Aug 14, 2007

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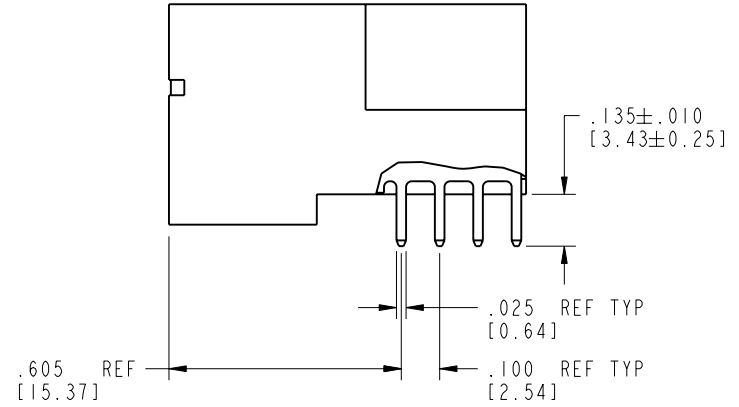
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PRODUCT NUMBER

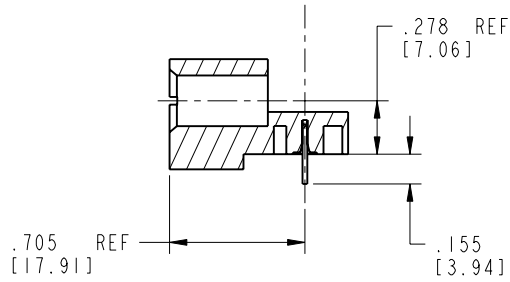
51939-031--
NOTE: ③




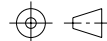
BROKEN-OUT SECTION A-A
SCALE 2:1



BROKEN-OUT SECTION B-B
SCALE 2:1



SECTION C-C

mat'l code		SEE NOTE 2		tolerances unless otherwise specified		CUSTOMER		 FCI www.fciconnect.com			
lfr	ecn no.	dr	date	linear	.XX±.01/0.X±0.3	COPY					
c				angles	.XXX±.005/0.XXX±0.13	projection			title 6P + 24S + 2P + 3ACP RIGHT ANGLE SOLDER HEADER		
				dr	.XXX±.0020/0.XXX±0.051	INCH/MM				product family	PwrBlade
				enrg	0° ± 2°	scale		size	dwg no	sheet	2 of 4
				chr		1:1		A	51939-031		
				appd							
sheet index	revision sheet										

cage code 22526

Pro/E

PDM: Rev:C

STATUS: Released

Printed: Aug 14, 2007

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PRODUCT NUMBER
51939-031--
NOTE: ③

DIM XXX
SEE NOTE 9

SEE NOTE 10
3 SIDES

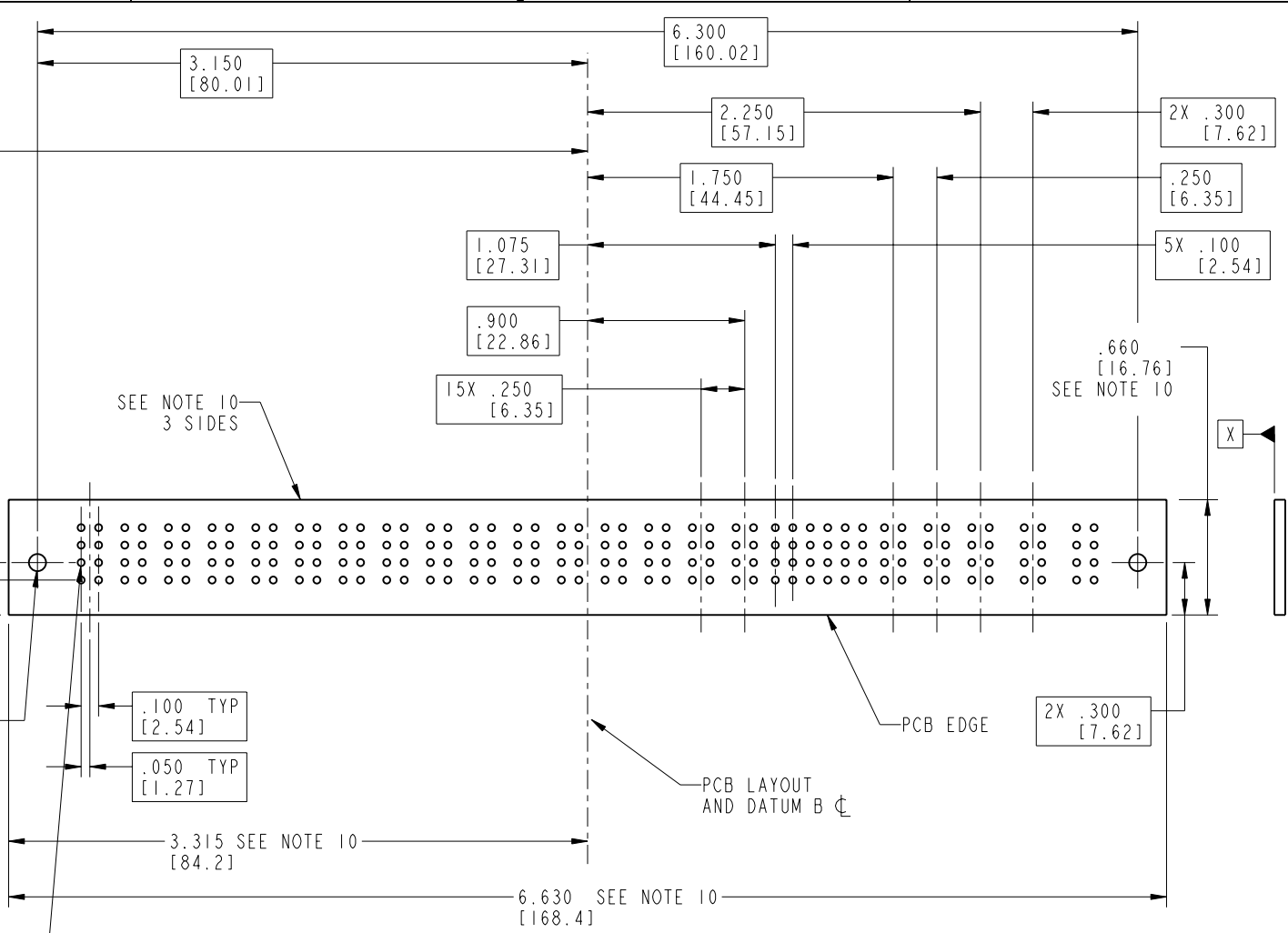
3X .100 TYP
[2.54]

2X $\varnothing .098 \pm .003$
[2.49 ± 0.07]
SEE NOTE 7

$\varnothing .004$ [0.1] X Y Z

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

$\varnothing .004$ [0.1] X Y Z



RECOMMENDED PCB LAYOUT

mat'l code		SEE NOTE 2		tolerances unless otherwise specified		CUSTOMER		 www.fciconnect.com	
lfr	ecn no.	dr	date	linear	.XX ± .01 / 0.X ± 0.3	COPY			
C				angles	.XXX ± .005 / 0.XX ± 0.13	projection		 RIGHT ANGLE SOLDER HEADER	
				dr	.XXX ± .0020 / 0.XXX ± 0.051	INCH/MM			
				enrg	C. DAILY 09/30/02	scale		product family	
				chr	M. MOSTOLLER 09/30/02	1:1		PwrBlade	
				appd	M. MOSTOLLER 09/30/02			code	
sheet index	revision sheet							size	
								dwg no	
								A	
								51939-031	
								sheet	
								3 of 4	

cage code 22526

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A **FCI**

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B

PRODUCT NUMBER

51939-031__
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


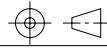
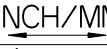
③ 51939-031;51939-031LF;51939-031GLF PLATING SPEC. SEE PRINT:10064183

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.
- 9. $\varnothing .0453 \pm .0010$ [1.151 \pm 0.025] DRILLED HOLES PLATED WITH .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.
- 10. "DIM XXX" TO BE DETERMINED BY THE CUSTOMER.
- 11. CONNECTOR KEEP-OUT ZONE.

mat'l code		SEE NOTE 2		tolerances unless otherwise specified		CUSTOMER		 FCI www.fciconnect.com	
lfr	ecn no.	dr	date	linear	.XX \pm .01/0.X \pm 0.3	COPY			
C				projection	.XXX \pm .005/0.XX \pm 0.13			title 6P + 24S + 2P + 3ACP RIGHT ANGLE SOLDER HEADER	
				angles	.XXX \pm .0020/0.XXX \pm 0.051			product family PwrBlade code 213	
				dr	C. DAILY 09/30/02	INCH/MM		size 4 of 4	
				engr	M. MOSTOLLER 09/30/02	scale 1:1		A 51939-031	
				chr	M. MOSTOLLER 09/30/02				
				appd	M. MOSTOLLER 09/30/02				
sheet index	revision sheet								

B

1 | 2

3 |

4

1 | 2

Pro/E

3 |

coge code 22526

4