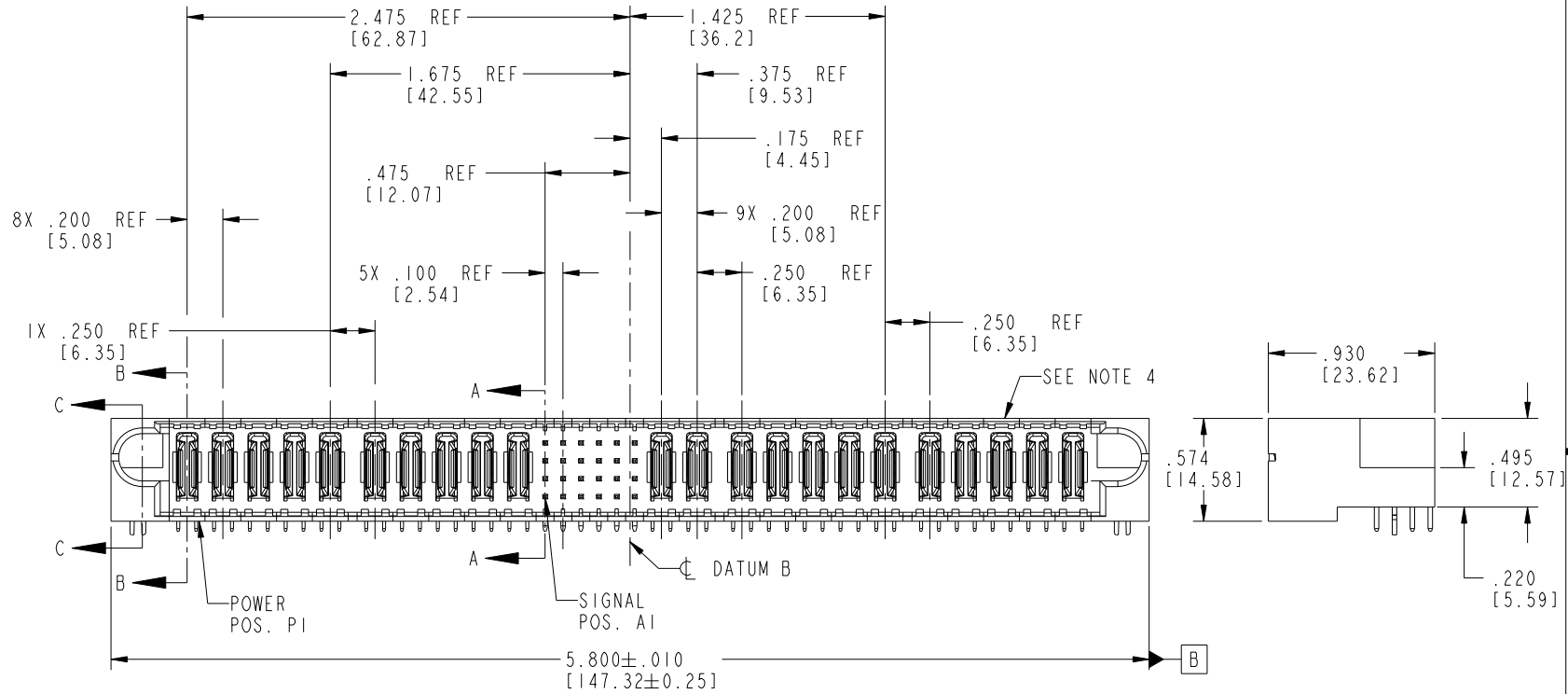


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PRODUCT NO. 51856-001_	ROWS D C B A	POWER										SIGNAL						POWER						E2				
		E1	P1	P2	P3	P4	P5	P6	P7	P8	P9	P10	1	2	3	4	5	6	P11	P12	P13	P14	P15		P16	P17	P18	P19
NOTE (3)		[Diagram showing PA contacts]										[Diagram showing UUUUUU, TTTTTTTT, SSSSSSS, RRRRRR contacts]						[Diagram showing PA contacts]										



CODE	DIM "M" MATING LENGTH	CONTACT TYPE
E	.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	
ltr	ecn no.	dr	date	linear	.XX±.01/0.X±0.3	COPY		FCI	
A	V02747	CGD	11-16-00		.XX±.005/0.XX±0.13	projection		www.fciconnect.com	
B	V20487	JWS	03-12-02	angles	.XXX±.0020/0.XXX±0.051	INCH/MM		title 10P + 24S + 12P	
C	V20776	JWS	05-10-02		0°±2°	scale		RIGHT ANGLE SOLDER HEADER	
D	V04-1133	TAB	12/01/04	dr	J. SHAFFER 05-10-02	1:1		product family PwrBlade code 213	
E	DG05-0526	CS	12/05/05	engr	M. MOSTOLLER 05-10-02			size dwg no 51856	
F	DG07-0498	JM	05/23/08	chr	M. MOSTOLLER 05-10-02			sheet 1 of 4	
G	DG08-0272	WD	09/28/08	appd	M. MOSTOLLER 05-10-02				
sheet index	revision sheet	G 1	G 2	G 3	G 4				

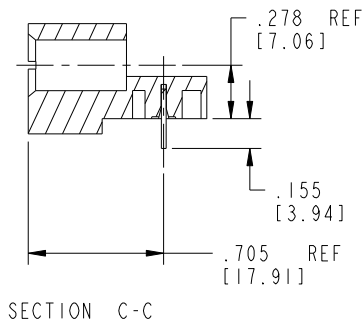
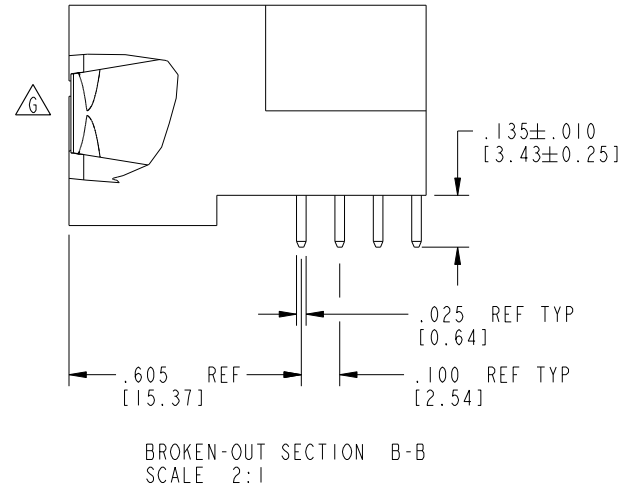
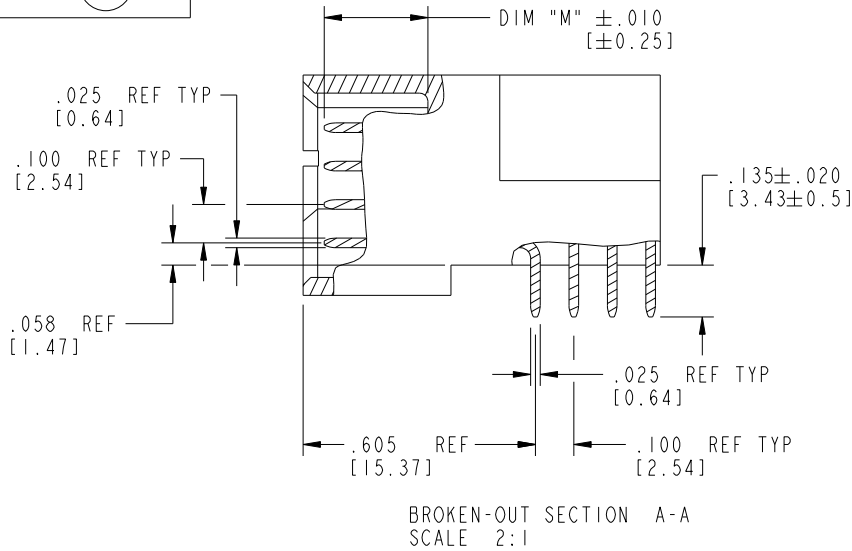
CUSTOMER		FCI	
COPY		www.fciconnect.com	
projection		title 10P + 24S + 12P	
INCH/MM		RIGHT ANGLE SOLDER HEADER	
scale 1:1		product family PwrBlade code 213	
		size dwg no 51856	
		sheet 1 of 4	

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PRODUCT NUMBER  
51856-001\_\_  
NOTE (3)



mat'l code		SEE NOTE 2		tolerances unless otherwise specified		CUSTOMER		FCI	
ltr	ecn no.	dr	date	linear	.XX±.01/0.X±0.3	projection	www.fciconnect.com		
G				linear	.XXY±.005/0.XX±0.13	INCH/MM	title 10P + 24S + 12P		
				angles	.XXX±.0020/0.XXX±0.051	scale	RIGHT ANGLE SOLDER HEADER		
				dr	J. SHAFFER 05-10-02	1:1	product family PwrBlade		code
				enrg	M. MOSTOLLER 05-10-02		size	dwg no	213
				chr	M. MOSTOLLER 05-10-02		A 51856		sheet
				appd	M. MOSTOLLER 05-10-02				2 of 4
sheet index	revision sheet								

Pro/E

PDM: Rev:G

STATUS: Released

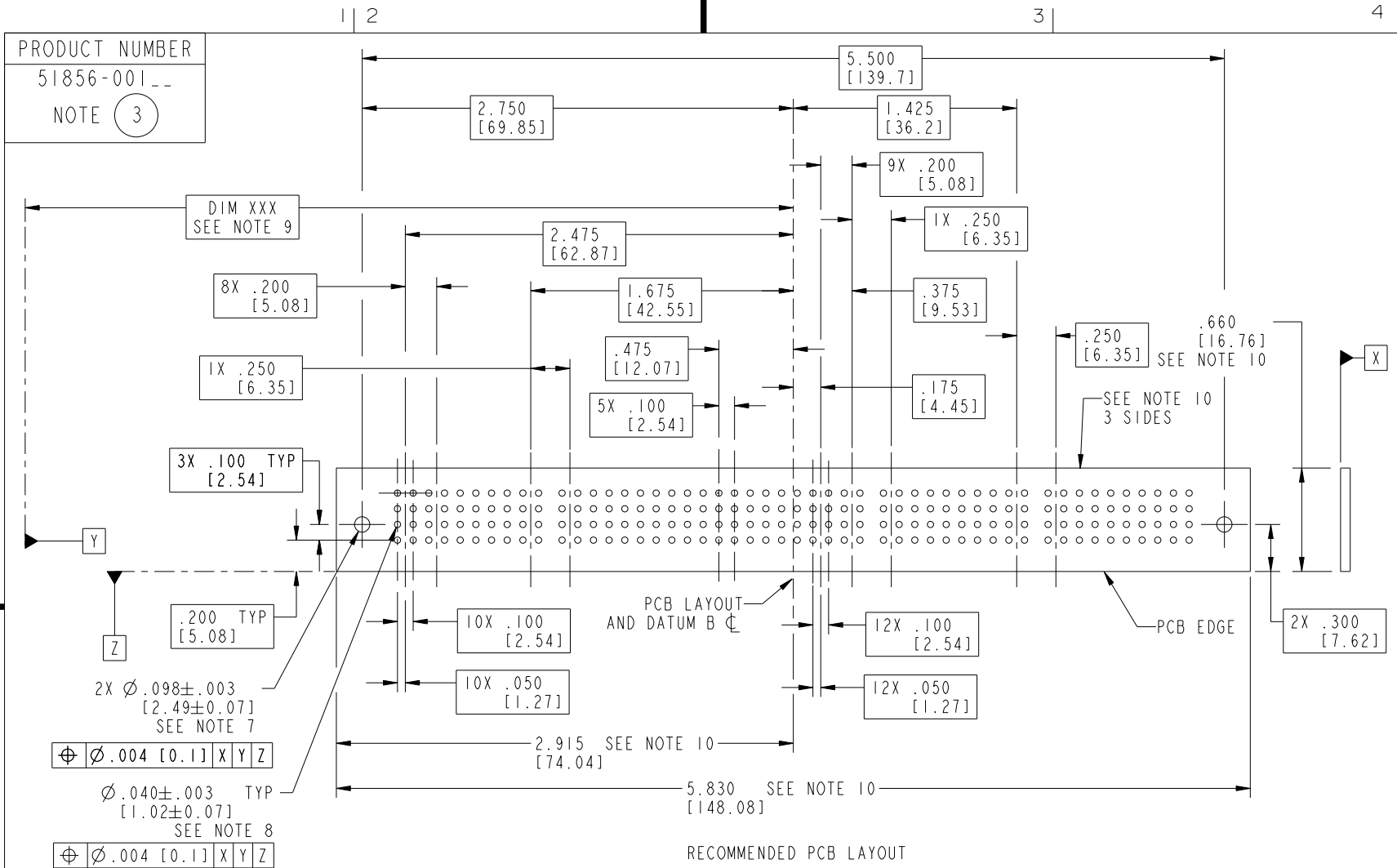
Printed: Dec 20, 2010

cage code 22556

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mat'l code		SEE NOTE 2		tolerances unless otherwise specified		CUSTOMER		FCI	
lfr	ecn no.	dr	date	linear	.XX±.01/0.XX±0.3	COPY	www.fciconnect.com		
G				projection	.XXY±.005/0.XX±0.13		title 10P + 24S + 12P		
				angles	.XXX±.002/0.XXX±0.051	$0^\circ \pm 2^\circ$	RIGHT ANGLE SOLDER HEADER		
				dr	J. SHAFFER 05-10-02	INCH/MM	product family PwrBlade		code 213
				enrg	M. MOSTOLLER 05-10-02	scale 1:1	size A	dwg no 51856	sheet 3 of 4
				chr	M. MOSTOLLER 05-10-02				
				appd	M. MOSTOLLER 05-10-02				
sheet index	revision sheet								

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1 | 2

3

4

PRODUCT NUMBER

51856-001\_\_

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

(G) 3. SEE ITEM 1 & 2 IN PRINT 10064183 FOR PLATING SPEC OF 51856-001 AND 51856-001LF 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)  $\varnothing .0453 \pm 0.0010$  [ $1.151 \pm 0.025$ ] 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.

(10) CONNECTOR KEEP-OUT ZONE.

11. A (G) SYMBOL WILL BE NEXT TO ANY DIMENSION, VIEW, OR NOTE WHICH HAS BEEN MODIFIED WITH THE CURRENT DRAWING REVISION.

mat'l code		SEE NOTE 2		tolerances unless otherwise specified		CUSTOMER		FCI	
lfr	ecn no.	dr	date	linear	.XX±.01/0.X±0.3	COPY		www.fciconnect.com	
G				projection	.XXX±.005/0.XX±0.13	INCH/MM		title 10P + 24S + 12P	
				angles	.XXX±.0020/0.XXX±0.051	INCH/MM		RIGHT ANGLE SOLDER HEADER	
				dr	0° ± 2°	scale		product family PwrBlade code	
				engr	J. SHAFFER 05-10-02	1:1		size dwg no 213	
				chr	M. MOSTOLLER 05-10-02	A		sheet 4 of 4	
				appd	M. MOSTOLLER 05-10-02	51856			
sheet index	revision sheet								

1 | 2

Pro/E

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A

A

B

B

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4