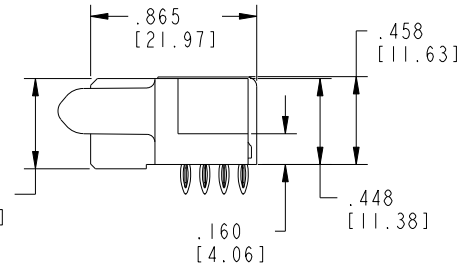
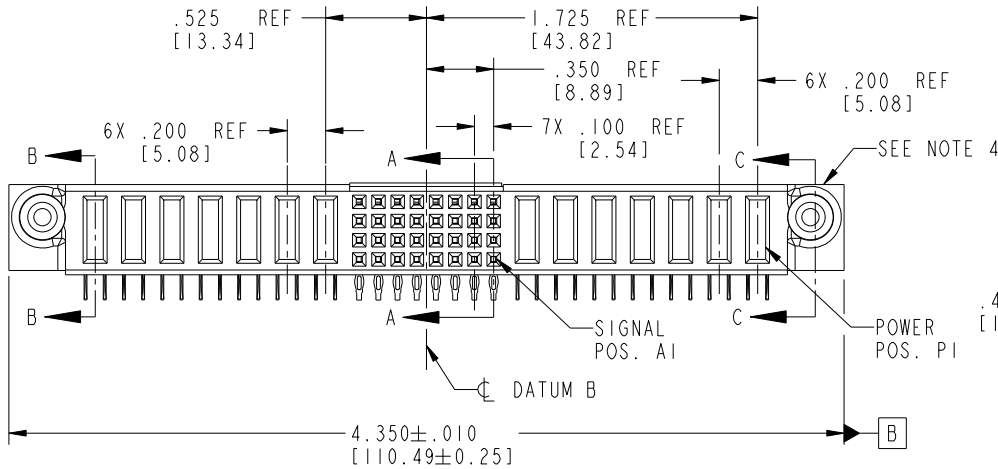
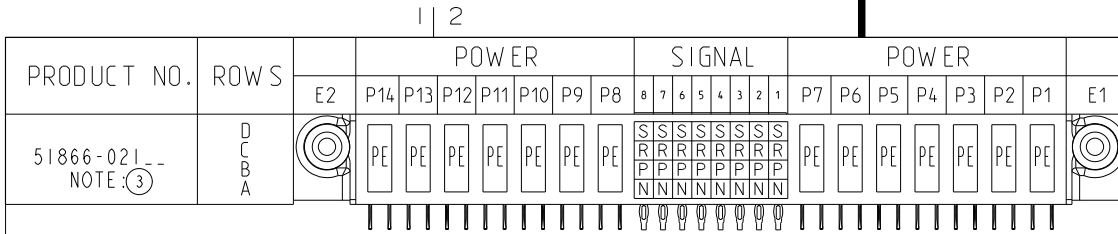


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CODE	DIM "M" MATING LENGTH	CONTACT TYPE
N	N/A [N/A]	SIGNAL
P	N/A [N/A]	SIGNAL
R	N/A [N/A]	SIGNAL
S	N/A [N/A]	SIGNAL
PE	.042 [1.07]	POWER

mat'l code SEE NOTE 2				tolerances unless otherwise specified		CUSTOMER		FCI	
ltr	ecn no.	dr	date	linear	.XX±.01/0.X±0.3	COPY		www.fciconnect.com	
A	V03-1128	TAB	10/20/03		.XXX±.005/0.XX±0.13	projection		title 7P + 32S + 7P	
B	DG05-0168	SJ	06/17/05		.XXX±.002/0.XXX±0.051	INCH/MM		R/A PRESS-FIT RECEPTACLE	
C	DG08-0251	W D	09/16/08	angles	0°±2°	scale		product family PwrBlade code 213	
				dr	T. BRUNGARD 10/20/03	1:1		size dwg no	
				engr	M. GRAY 10/20/03			A 51866-021	
				chr	M. GRAY 10/20/03			sheet 1 of 4	
				appd	M. GRAY 10/20/03				
sheet index	revision sheet	C 1	C 2	C 3	C 4				

Pro/E

PDM: Rev: C

STATUS: Released

Printed: Dec 20, 2010

cage code 22536

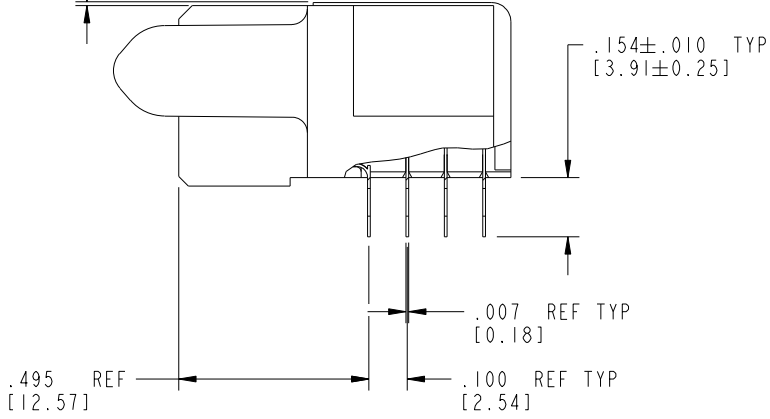
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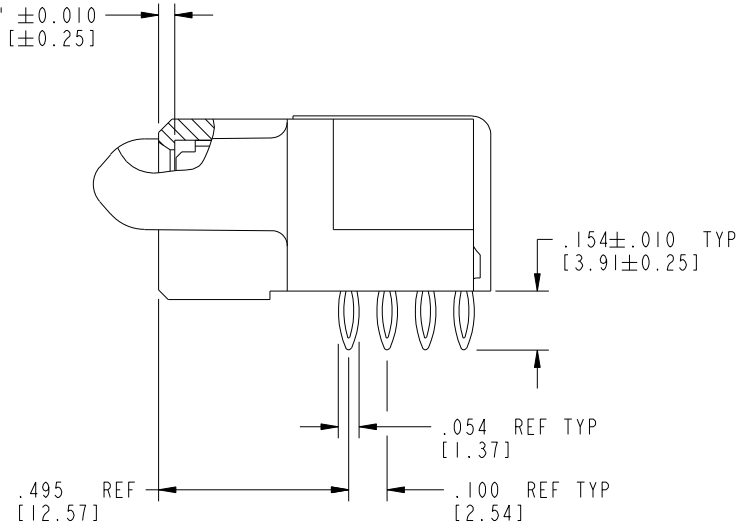
PRODUCT NUMBER  
51866-021--  
NOTE:③

.010 REF  
[0.25]

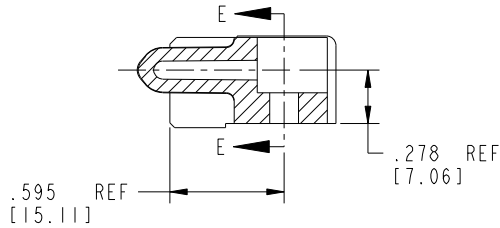


BROKEN-OUT SECTION A-A  
SCALE 2:1

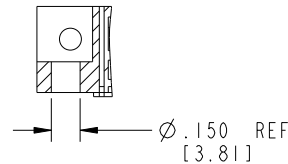
DIM "M" ±0.010  
[±0.25]



BROKEN-OUT SECTION B-B  
SCALE 2:1



SECTION C-C



PARTIAL SECTION E-E

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	
C				projection	.XXY±.005/0.XX±0.13	INCH/MM		title 7P + 32S + 7P	
				angles	.XXX±.0020/0.XXX±0.051	INCH/MM		R/A PRESS-FIT RECEPTACLE	
				dr	0°±2°	scale		product family PwrBlade code	
				engr	T. BRUNGARD 10/20/03	1:1		size dwg no 213	
				chr	M. GRAY 10/20/03			sheet	
				appd	M. GRAY 10/20/03			A 51866-021 2 of 4	
sheet index	revision sheet								

Pro/E

PDM: Rev: C

STAT: Released

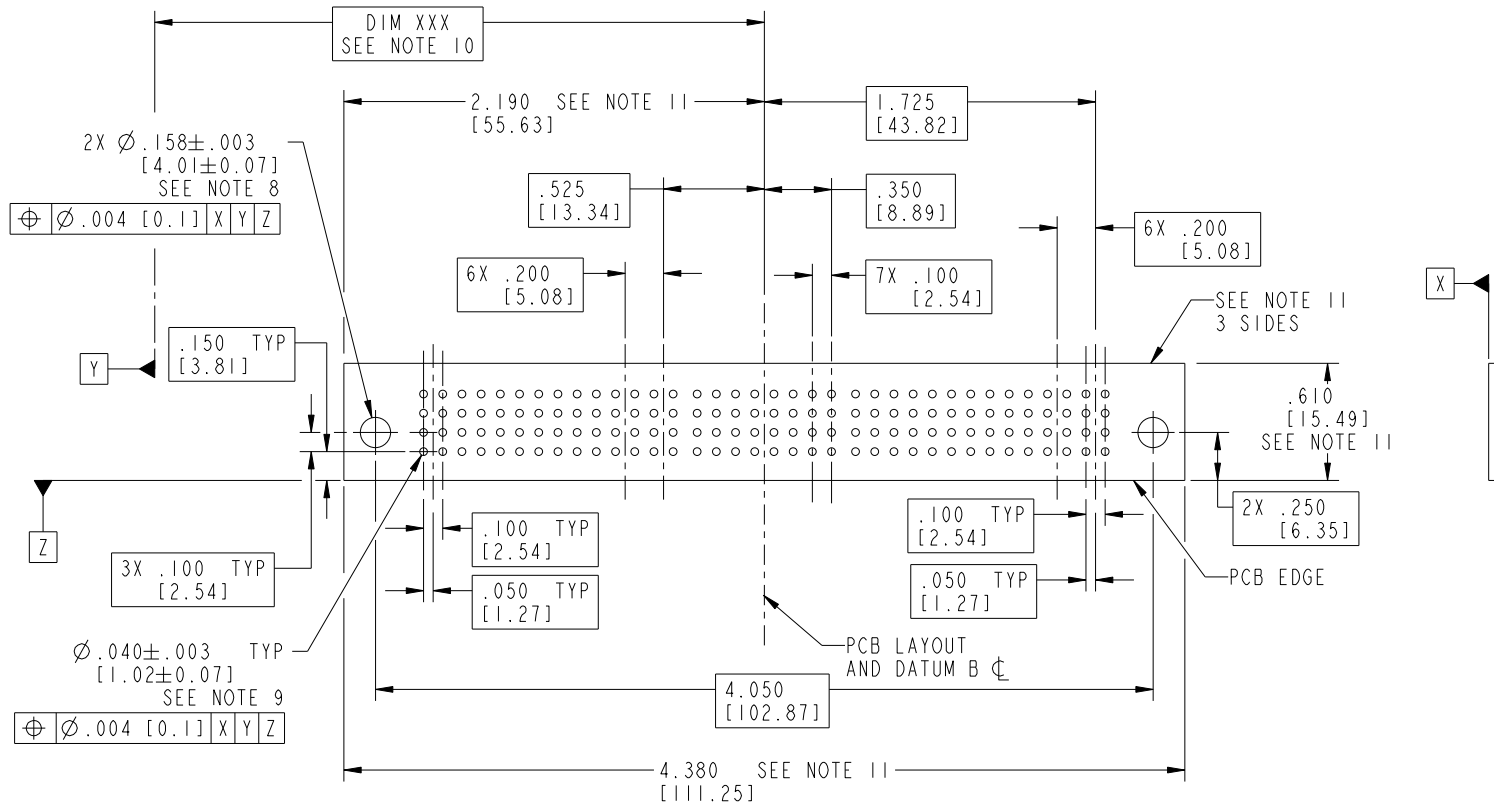
Printed: Dec 20, 2010

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PRODUCT NUMBER  
51866-021--  
NOTE:③



RECOMMENDED PCB LAYOUT

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	
C				angles	.XX±.005/0.XX±0.13	projection		7P + 32S + 7P	
					.XXX±.0020/0.XXX±0.051			R/A PRESS-FIT RECEPTACLE	
				dr	0°±2°	INCH/MM		product family	
				engr	T. BRUNGARD 10/20/03	scale		PwrBlade	
				chr	M. GRAY 10/20/03	1:1		code	
				appd	M. GRAY 10/20/03			213	
sheet index		revision sheet						size	
								dwg no	
								A 51866-021	
								sheet	
								3 of 4	

cage code 28526

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1 | 2

3

4

PRODUCT NUMBER  
51866-021--  
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. SEE ITEM 7 & 8 IN PRINT 10064183 FOR PLATING SPEC OF 51866-021 AND 51866-021LF 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.

6. PACKAGED IN TRAYS.

PCB NOTES:

7. ALL HOLE DIAMETERS ARE FINISHED HOLE SIZE.

(8) MOUNTING HOLES, WHERE APPLICABLE, ARE UNPLATED.

(9)  $\varnothing .0453 \pm .0010$  [1.151 ± 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 ± .07] HOLE.

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

(11) CONNECTOR KEEP-OUT ZONE.

12. USE FCI CAM TOOL 430140-XXX TO APPLY CONNECTOR TO PCB.

13. △ 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	
ltr	ecn no.	dr	date	linear	.XX±.01/0.X±0.3	COPY		www.fciconnect.com	
C				projection	.XXX±.005/0.XX±0.13	R/A		7P + 32S + 7P	
				angles	.XXX±.0020/0.XXX±0.051	INCH/MM		R/A PRESS-FIT RECEPTACLE	
				dr	0° ± 2°	scale		product family PwrBlade code	
				enrg	T. BRUNGARD 10/20/03	1:1		size dwg no 213	
				chr	M. GRAY 10/20/03	A		51866-021 sheet	
				appd	M. GRAY 10/20/03			4 of 4	
sheet index	revision sheet								

1 | 2

Pro/E

PDM: Rev: C

STATUS: Released

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A

A

B

B