

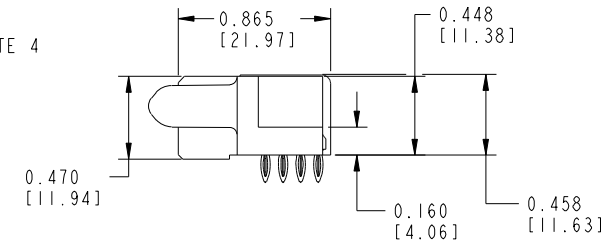
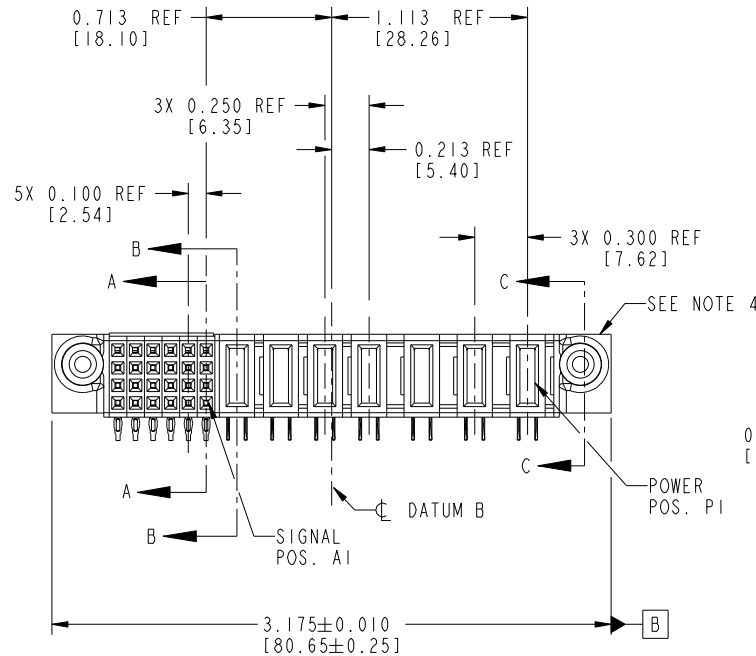


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CODE	DIM "M" MATING LENGTH	CONTACT TYPE
N	N/A [N/A]	SIGNAL
P	N/A [N/A]	SIGNAL
R	N/A [N/A]	SIGNAL
S	N/A [N/A]	SIGNAL
PE	0.042 [1.07]	POWER
PF	0.092 [2.34]	POWER

PRODUCT NO.	ROWS	SIGNAL								POWER																			
		E2	6	5	4	3	2	1	P7	P6	P5	P4	P3	P2	P1	E1													
51866-046-- NOTE: 3	D C B A		S	S	S	S	S	S		Pf		Pf		Pf		Pf		Pf		Pf		Pf		E1					
		R	R	R	R	R	R																						
		P	P	P	P	P	P																						
		N	N	N	N	N	N																						
																													



mat'l code				SEE NOTE 2				tolerances unless otherwise specified				CUSTOMER			
litr	ecn no.	dr	date					linear	.XX±.01/0.X±0.3			COPY			
A	DG09-0396	WL	12/18/09					angles	.XXX±.005/0.XX±0.13			projection			
									.XXX±.0020/0.XXX±0.051						
								dr	0°±2°						
								enr	WL ZHANG 12/18/09						
								chr	WARREN DU 12/18/09						
								appd	PM ZHENG 12/18/09						
									Joseph Hsia 12/18/09						
sheet index	revision	A	A	A	A										
	sheet	1	2	3	4										

www.fciconnect.com				FCI			
COPY				title			
projection				3ACP + 4P + 24S			
INCH/MM				R/A PRESS-FIT RECEPTACLE			
scale				product family			
1:1				PwrBlade			
A				size			
				dwg no			
				51866-046			
				code			
				213			
				sheet			
				1 of 4			

cage code 22526

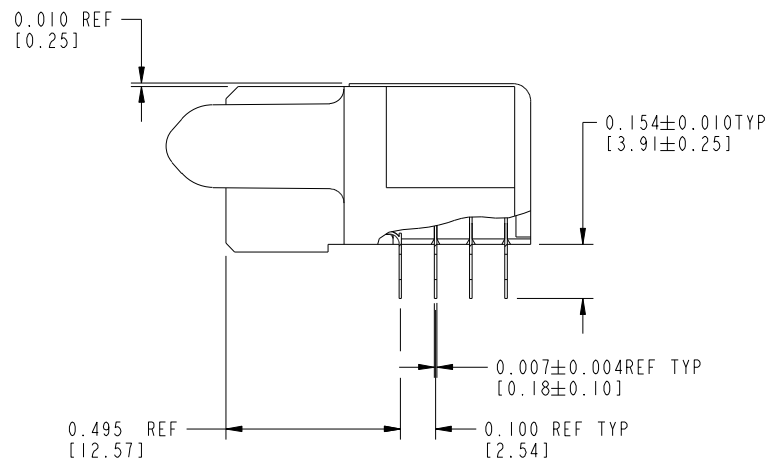
Pro/E

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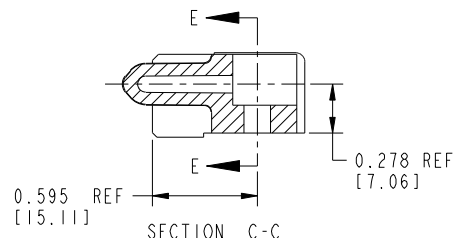


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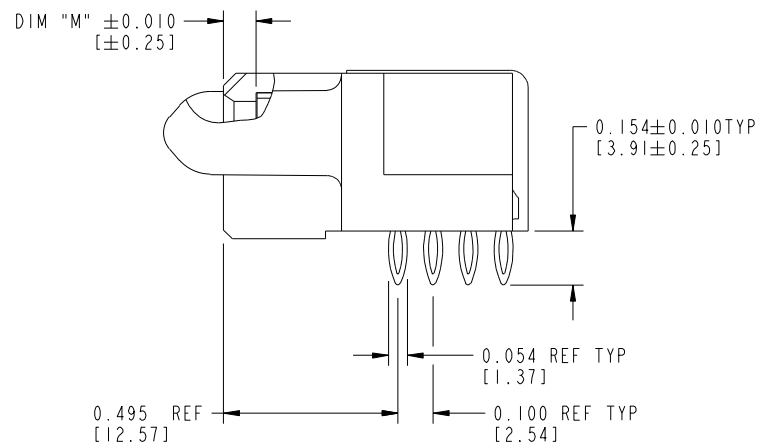
PRODUCT NUMBER
51866-046--
NOTE: 3



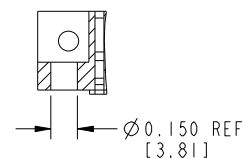
BROKEN-OUT SECTION A-A
SCALE 2:1



SECTION C-C



BROKEN-OUT SECTION B-B
SCALE 2:1



PARTIAL SECTION E-E

mat'l code SEE NOTE 2				tolerances unless otherwise specified		CUSTOMER				www.fciconnect.com	
litr	ecn no.	dr	date	linear	.XX±.01/0.X±0.3		COPY		projection	title	
A					.XXX±.005/0.XX±0.13					3ACP + 4P + 24S	
				angles	.XXX±.0020/0.XXX±0.051					R/A PRESS-FIT RECEPTACLE	
					0°±2°						
				dr	WL ZHANG	12/18/09			INCH/MM	product family PwrBlade	
				enrg	WARREN DU	12/18/09				code 213	
				chr	PM ZHENG	12/18/09			scale	size	
				appd	Joseph Hsia	12/18/09				dwg no	
							1:1		A	51866-046	
sheet index	revision										
	sheet										

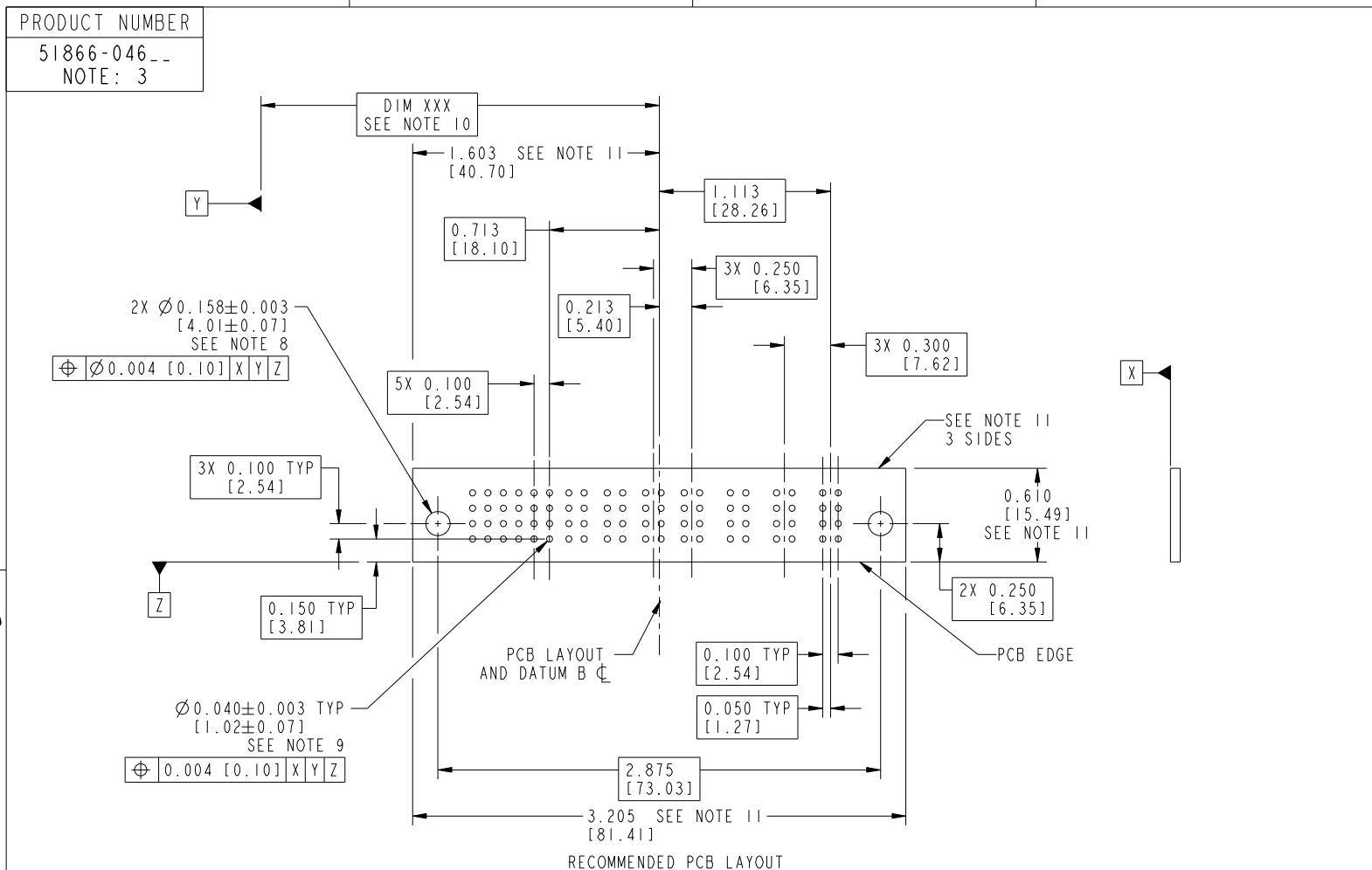
Pro/E

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mat'l code				SEE NOTE 2		tolerances unless otherwise specified		CUSTOMER		FCI	
ltr	ecr no.	dr	date					COPY		www.fciconnect.com	
A				linear		.XX $\pm$.01 / 0.X $\pm$ 0.3		projection		title 3ACP + 4P + 24S	
						.XXX $\pm$.005 / 0.XX $\pm$ 0.13				R/A PRESS-FIT RECEPTACLE	
				angles		.XXX $\pm$.0020 / 0.XXX $\pm$ 0.051		INCH/MM		product family PwrBlade	
				dr	WL ZHANG	12/18/09		scale		code 213	
				enr	WARREN DU	12/18/09		1:1		size dwg no	
				chr	PM ZHENG	12/18/09				sheet 3 of 4	
				appd	Joseph Hsia	12/18/09				51866-046	
sheet index	revision sheet										

Pro/E

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A



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B

1 | 2

3 |

4

PRODUCT NUMBER
51866-046-- 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 51866-046 AND 51866-046LF RESPECTIVELY.
- (4.) MANUFACTURER'S NAME, DATE CODE AND OPTIONAL P/N TO APPEAR ON THIS SURFACE.
THE P/N CAN BE OMITTED IF THERE IS NOT ENOUGH SPACE 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 $\pm$ 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.
12. USE FCI CAM TOOL 430140-041
TO APPLY CONNECTOR TO PCB.

A

mat'l code SEE NOTE 2				tolerances unless otherwise specified		CUSTOMER		 www.fciconnect.com	
litr	ecr no.	dr	date	linear	.XX±.01/0.X±0.3		COPY		title 3ACP + 4P + 24S R/A PRESS-FIT RECEPTACLE
A					.XXX±.005/0.XX±0.13		projection 		
				angles	.XXX±.0020/0.XXX±0.051		 INCH/MM		product family PwrBlade
					0°±2°				
				dr	WL ZHANG	12/18/09	scale 1:1		size A
				enrg	WARREN DU	12/18/09			
				chr	PM ZHENG	12/18/09			
				appd	Joseph Hsia	12/18/09			
sheet index	revision sheet								

B

1 | 2

Pro/E

3 |

cage code 22526

4