

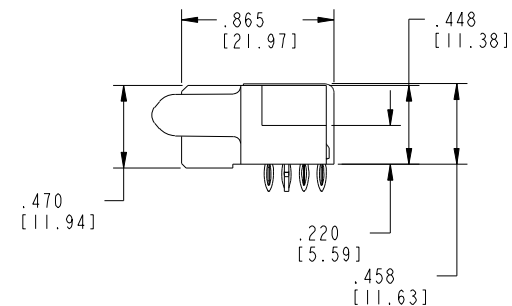
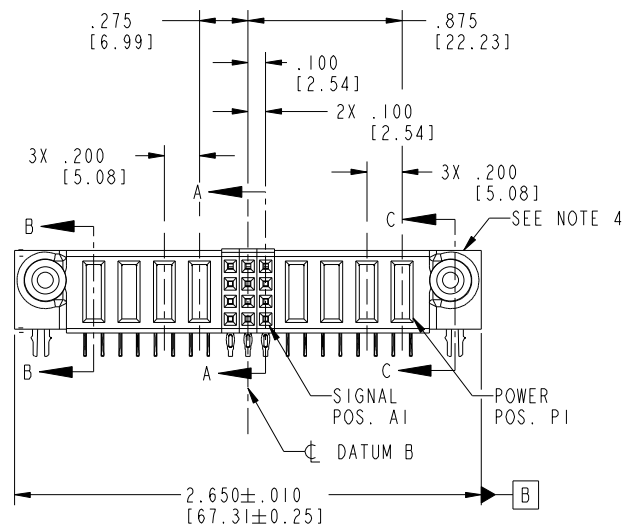


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CODE	DIM "M" MATING LENGTH	CONTACT TYPE
PF	.092 [2.34]	POWER
PE	.042 [1.07]	POWER
S	N/A [N/A]	SIGNAL
R	N/A [N/A]	SIGNAL
P	N/A [N/A]	SIGNAL
N	N/A [N/A]	SIGNAL
HA	N/A [N/A]	HOLD-DOWN

PRODUCT NO.	ROWS	POWER				SIG			POWER				E1	
		E2	P8	P7	P6	P5	3	2	1	P4	P3	P2		P1
51866-037- Note: (3)	D C B A		PF	PF	PF	PF	S S S S	S S S S	S S S S	PE	PE	PE	PE	
							R R R R	R R R R	R R R R					
							P P P P	P P P P	P P P P					
							N N N N	N N N N	N N N N					
														



mat'l code				SEE NOTE 2				tolerances unless otherwise specified				CUSTOMER		FCI		www.fciconnect.com	
litr	ecn no.	dr	date					linear	.XX±.01/0.X±0.3			COPY		projection		title	
A	DG05-0268	SLUO	8/5/05						.XXX±.005/0.XX±0.13							4P +12S + 4P	
B	DG08-0229	SH	08/22/08					angles	.XXX±.0020/0.XXX±0.051							R/A PF RECEPTACLE	
								dr	SLUO 8/5/05							product family	
								enrg	SLUO 08/05/05							PwrBlade	
								chr	VICTOR LIN 8/5/05							code	
								appd	JOSEPH HSIA 8/5/05							size	
sheet index		revision sheet		B	B	B	B									dwg no	
				1	2	3	4									A	
																51866-037	
																sheet	
																1 of 4	

cage code 22526

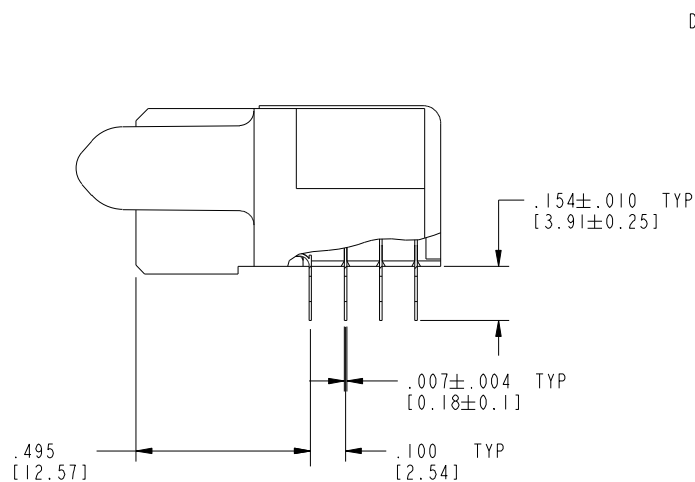
Pro/E

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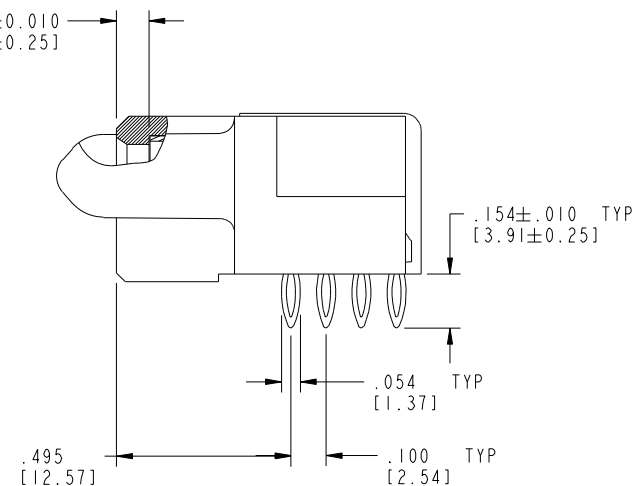


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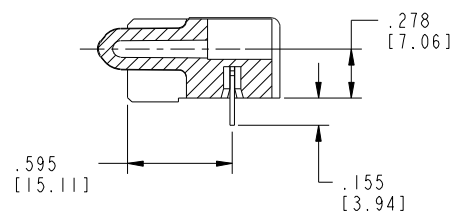
PRODUCT NUMBER
51866-037--
Note: (3)



BROKEN-OUT SECTION A-A
SCALE 2:1



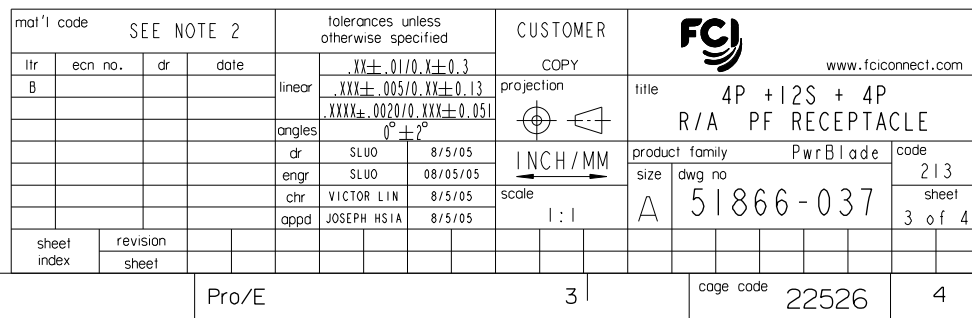
BROKEN-OUT SECTION B-B
SCALE 2:1



SECTION C-C

mat'l code SEE NOTE 2				tolerances unless otherwise specified				CUSTOMER		 www.fciconnect.com	
litr	ecn no.	dr	date	linear	.XX±.01/0.X±0.3			COPY		title	4P +12S + 4P R/A PF RECEPTACLE
B					.XXX±.005/0.XX±0.13			projection			
				angles	.XXX±.0020/0.XXX±0.051					product family	PwrBlade
					0°±2°			INCH/MM			
		dr	SLUO		8/5/05			scale		size	dwg no
		engr	SLUO		08/05/05						
		chr	VICTOR LIN		8/5/05			1:1		A	51866-037
		appd	JOSEPH HSIA		8/5/05						
sheet index	revision sheet										

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A



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B

1 | 2

3 |

4

PRODUCT NUMBER
51866-037_ _
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. PLATING:

- (B) 51866-037 AND 51866-037LF PLATING SPEC. WAS SHOWN IN THE PRINT OF 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.

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
 $\varnothing .040 \pm .003$ [$1.02 \pm .07$] 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. A (B) SYMBOL WILL BE NEXT TO ANY DIMENSION, VIEW,
OR NOTE WHICH HAS BEEN MODIFIED WITH CURRENT
DRAWING VERSION.

mat'l code				SEE NOTE 2		tolerances unless otherwise specified		CUSTOMER		FCI		www.fciconnect.com			
litr	ecr no.	dr	date	linear		.XX±.01/0.X±0.3	COPY		projection		title		4P +12S + 4P R/A PF RECEPTACLE		
B						.XXX±.005/0.XX±0.13									
				angles		.XXX±.0020/0.XXX±0.051			INCH/MM		product family		PwrBlade		
				dr	SLUO	8/5/05									
				enrg	SLUO	08/05/05			scale		size		dwg no		
				chr	VICTOR LIN	8/5/05									
				appd	JOSEPH HSIA	8/5/05			1:1		A		51866-037		
sheet index	revision sheet														

A

B

1 | 2

Pro/E

3 |

cage code 22526

4