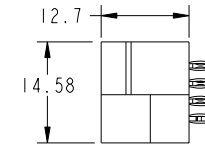
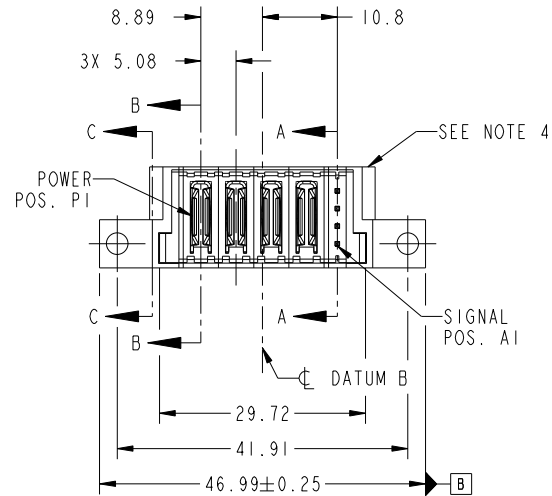


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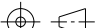


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PRODUCT NO.	ROWS	POWER				SIG	
		E1	P1	P2	P3	P4	E2
51963-040-- NOTE ③	D C B A		PC	PC	PC	PC	



CODE	DIM "M" MATING LENGTH	CONTACT TYPE
PC	[N/A]	POWER
G	[6.86]	SIGNAL
HA	[N/A]	HOLD-DOWN

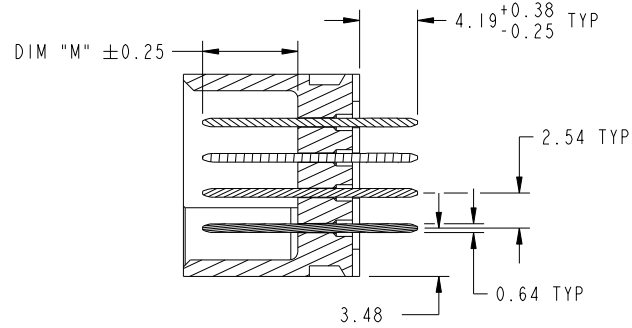
mat'l code				tolerances unless otherwise specified		CUSTOMER		 www.fciconnect.com			
lfr	ecn no.	dr	date	linear	0.X ±0.5		projection 	title 4P + 4S VERTICAL PRESS-FIT HEADER			
A	DG09-0214	WD	07/03/09		0.XX ±0.25						
					0.XXX ±0.1						
				angles	0° ±2°		 scale 1:1	product family PwrBlade			
				dr	Warren Du	06/28/09					
				enrg	Warren Du	07/03/09					
				chr	PM ZHENG	06/28/09	size A	dwg no 51963-040	213		
				appd	JOSEPH HSIA	06/28/09			sheet 1 of 4		
sheet index	revision sheet	A	A	A	A						
		1	2	3	4						

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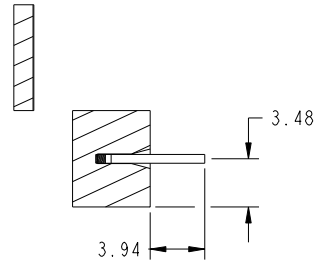


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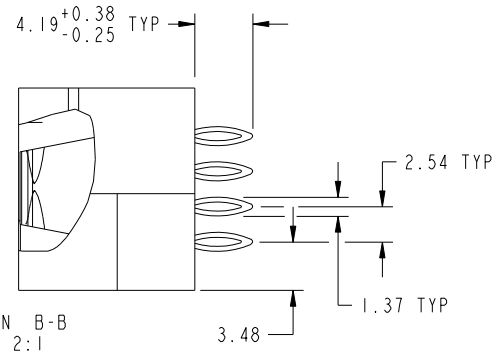
PRODUCT NUMBER
51963-040--
NOTE 3



SECTION A-A
SCALE 2:1



SECTION C-C
SCALE 2:1



SECTION B-B
SCALE 2:1

mat'l code				tolerances unless otherwise specified		CUSTOMER		FCI	
ltr	ecn no.	dr	date	linear	0.X ±0.5	COPY		www.fciconnect.com	
A					0.XX ±0.25	projection		title 4P + 4S	
				angles	0.XXX ±0.1			VERTICAL PRESS-FIT HEADER	
					0° ±2°			product family PwrBlade	
				dr	Warren Du 06/28/09			code 213	
				enr	Warren Du 07/03/09			size dwg no	
				chr	PM ZHENG 06/28/09			51963-040	
				appd	JOSEPH HSIA 06/28/09			sheet 2 of 4	
sheet index	revision sheet					scale 1:1		A	
								cage code 22526	

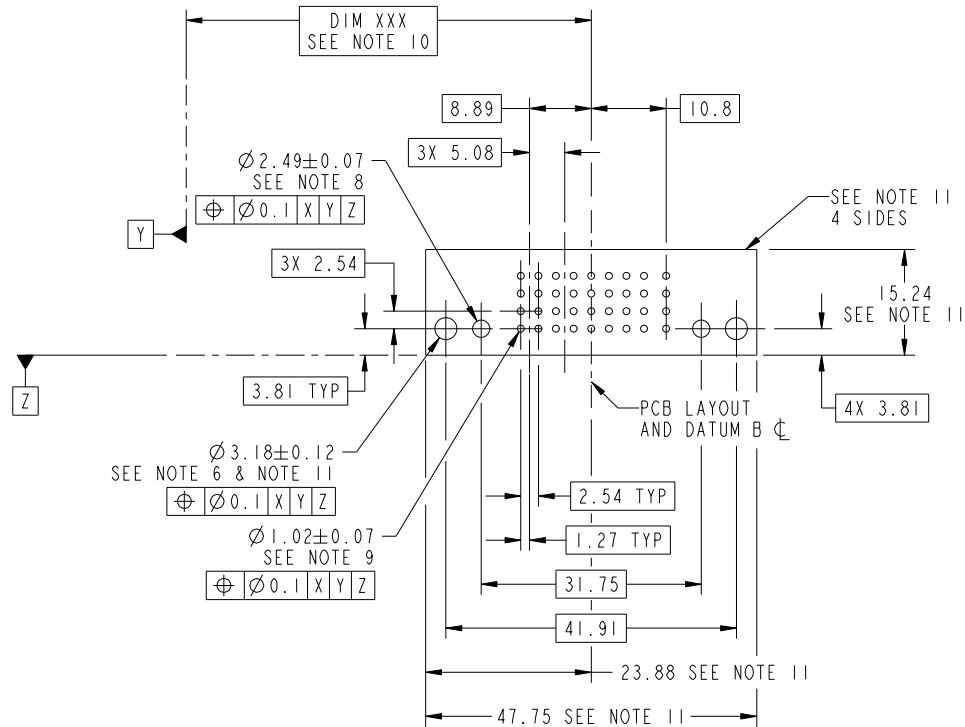
Pro/E

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PRODUCT NUMBER
51963-040--
NOTE 3



RECOMMENDED PCB LAYOUT

mat'l code				tolerances unless otherwise specified		CUSTOMER		FCI	
litr	ecn no.	dr	date	linear	0.X ±0.5	COPY		www.fciconnect.com	
A				linear	0.XX ±0.25	projection		title 4P + 4S	
				angles	0.XXX ±0.1			VERTICAL PRESS-FIT HEADER	
					0° ±2°			product family PwrBlade	
				dr	Warren Du 06/28/09	MIM		code 213	
				enrg	Warren Du 07/03/09			size dwg no	
				chr	PM ZHENG 06/28/09	scale		51963-040	
				appd	JOSEPH HSIA 06/28/09	1:1		sheet 3 of 4	
sheet index	revision sheet							cage code 22526	

Pro/E

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PRODUCT NUMBER
51963-040-- 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 3 & 4 IN PRINT 10064183 FOR PLATING SPEC OF 51963-040 AND 51963-040LF 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) $\varnothing 1.151 \pm 0.025$ DRILLED HOLES PLATED WITH
0.008 MIN SnPb OR Sn OVER .001 [0.03]
TO 0.08 Cu PLATING TO ACHIEVE
 $\varnothing 1.02 \pm .07$ HOLE.

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

- (11) CONNECTOR KEEP-OUT ZONE.

12. FOR PRESS FIT APPLICATION USE FCI CAM TOOL 430169-XXX.

mat'l code				tolerances unless otherwise specified				CUSTOMER		FCI www.fciconnect.com				
ltr	ecn no.	dr	date	linear	0.X ± 0.5				COPY		title 4P + 4S VERTICAL PRESS-FIT HEADER			
A					0.XX ± 0.25				projection					
					0.XXX ± 0.1									
				angles	0° ± 2°						product family PwrBlade code size dwg no 213 A 51963-040 sheet 4 of 4			
				dr	Warren Du	06/28/09		MM						
				enrg	Warren Du	07/03/09		scale						
				chr	PM ZHENG	06/28/09		1:1						
				appd	JOSEPH HSIA	06/28/09								
sheet index	revision sheet													

cage code 22526

Mouser Electronics

Authorized Distributor

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[51963-040LF](#)