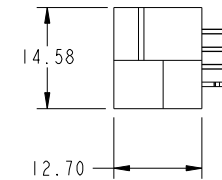
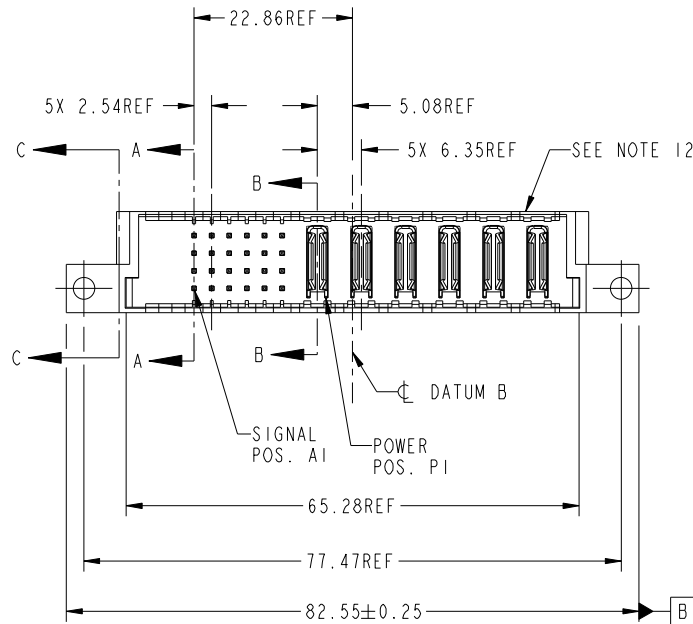


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PRODUCT NO. 51963-002... NOTE 3	ROWS D C B A	SIGNAL						POWER						E2
		E1	1	2	3	4	5	6	P1	P2	P3	P4	P5	



CODE	DIM "M" MATING LENGTH	CONTACT TYPE
E	6.86	SIGNAL
PA	N/A	POWER
HA	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	angles	0°±2°	COPY	
A	DG07-0327	SH	08/14/07		.XXX±.005/0.XX±0.13			projection	
					.XXX±.0020/0.XXX±0.051			title	
								24S+6P	
								VERTICAL SOLDER HEADER	
								product family	
								PwrBlade	
								code	
								213	
								size	
								dwg no	
								51963-002	
								sheet	
								1 of 4	
sheet index	revision sheet	A	A	A	A				
		1	2	3	4				

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scale 1:1

cage code 22526

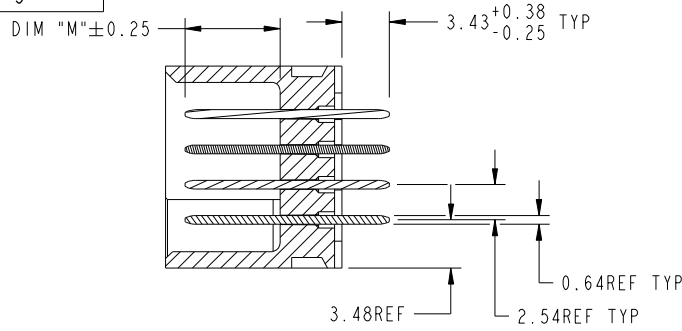
Pro/E

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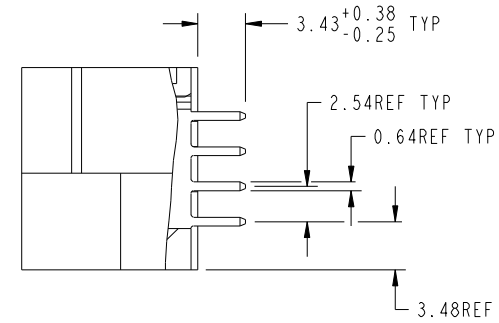
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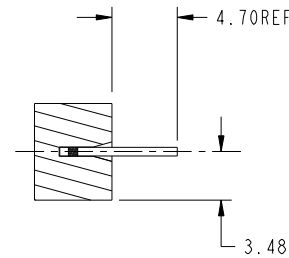
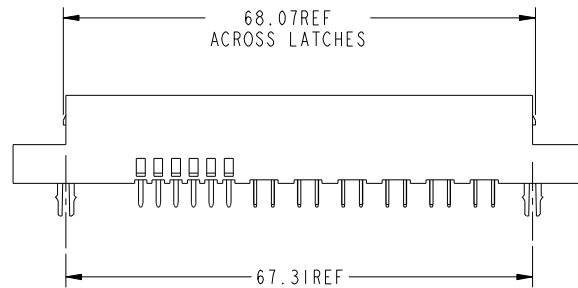
PRODUCT NUMBER
51963-002--
NOTE 3



SECTION A-A
SCALE 2:1



SECTION B-B
SCALE 2:1



SECTION C-C
SCALE 2:1

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mat'l code				SEE NOTE 2		tolerances unless otherwise specified		CUSTOMER		FCI		www.fciconnect.com	
ltr	ecn no.	dr	date	linear	.XX±.01/0.X±0.3	projection	1	COPY		title			
A				angles	.XXX±.005/0.XX±0.13			24S + 6P		VERTICAL SOLDER HEADER			
				dr	.XXX±.0020/0.XXX±0.051			product family		PwrBlade	code		
				enrg	0° ± 2°	scale		size		A	213		
				chr	T. BRUNGARD 07/23/03	1:1		dwg no		51963-002			
				appd	M. MOSTOLLER 07/23/03			sheet		2 of 4			
sheet index		revision sheet											

cage code 22526

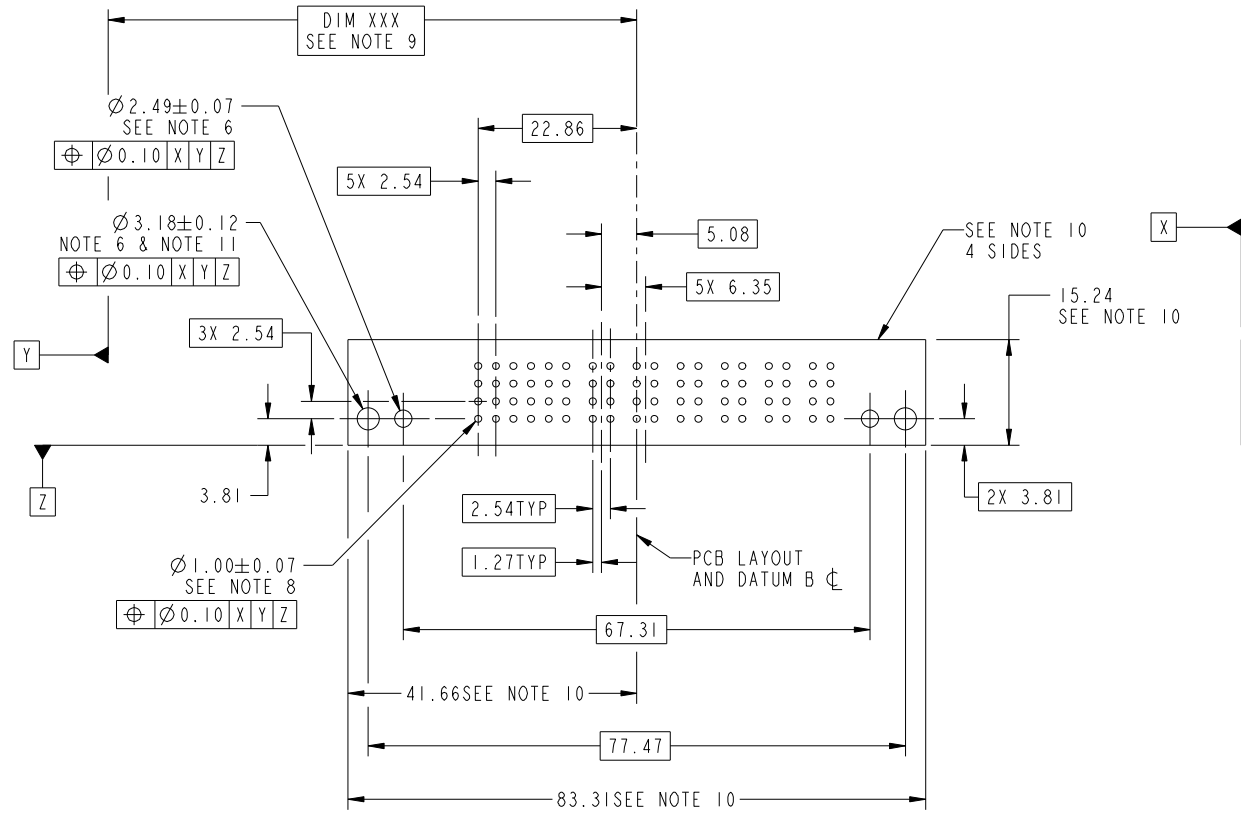
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PRODUCT NUMBER
51963-002--
NOTE 3



RECOMMENDED PCB LAYOUT

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mat'l code SEE NOTE 2				tolerances unless otherwise specified		CUSTOMER		FCI www.fciconnect.com	
ltr	ecn no.	dr	date	linear	.XX±.01/0.X±0.3	COPY		title 24S + 6P	
A					.XXX±.005/0.XX±0.13	projection		VERTICAL SOLDER HEADER	
				angles	.XXX±.0020/0.XXX±0.051			product family PwrBlade	
				dr	T. BRUNGARD 07/23/03	MIM		size	code 213
				enr	M. MOSTOLLER 07/23/03	scale		dwg no	sheet
				chr	M. MOSTOLLER 07/23/03	1:1		A	3 of 4
				appd	M. MOSTOLLER 07/23/03			51963-002	
sheet index	revision sheet								

cage code
22526

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PRODUCT NUMBER
51963-002--
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:

51963-002 SIGNAL PINS: 30u"/0.76um Au OVER 50u"/1.27um Ni ON THE CONTACT AREA
AND 100u"/2.54um SnPb PLATING OVER 50u"/1.27um Ni ON THE TERMINATION SECTION
POWER PINS: 30u"/0.76um Au OVER 50u"/1.27um Ni ON THE CONTACT AREA
AND 100u"/2.54um SnPb PLATING OVER 50u"/1.27um Ni ON THE TERMINATION SECTION
51963-002LF SIGNAL PINS: 30u"/0.76um Au OVER 50u"/1.27um Ni ON THE CONTACT AREA
AND 78u"/2.00um Sn PLATING OVER 50u"/1.27um Ni ON THE TERMINATION SECTION
POWER PINS: 30u"/0.76um Au OVER 50u"/1.27um Ni ON THE CONTACT AREA
AND 78u"/2.00um Sn PLATING OVER 50u"/1.27um Ni ON THE TERMINATION SECTION

PART NUMBER 51963-002LF MEETS EUROPEAN UNION DIRECTIVE AND OTHER COUNTRY REGULATIONS AS DESCRIBED IN GS-22-008
THE HOUSING WILL WITHSTAND EXPOSURE TO 260° PEAK TEMPERATURE FOR 10 SECONDS IN A WAVE SOLDER APPLICATION WITH A CIRCUIT BOARD.

4. PRODUCT SPECIFICATION GS-12-149.
APPLICATION SPECIFICATION BUS-20-067.

5. PACKAGED IN TRAYS.

PCB NOTES:

6. ALL HOLE DIAMETERS ARE FINISHED HOLE SIZE.
7. MOUNTING HOLES, WHERE APPLICABLE, ARE UNPLATED.

8 $\varnothing .0453 \pm .0010$ [1.151 ± 0.025] DRILLED HOLES PLATED WITH
.0003 [0.008] MIN SnPb OR Sn OVER .001 [0.03]
TO .003 [0.08] Cu PLATING TO ACHIEVE
 $\varnothing .040 \pm .003$ [1.02 ± .07] HOLE.

9 "DIM XXX" TO BE DETERMINED BY THE CUSTOMER.

10 CONNECTOR KEEP-OUT ZONE.

11 CUSTOMER SUPPLIES (2) #4-40 UNC SCREWS,
HARDWARE TO MOUNT HEADER TO PC BOARD.
12 MANUFACTURER'S NAME, P/N, AND DATE CODE TO
APPEAR ON THIS SURFACE.

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mat'l code				SEE NOTE 2		tolerances unless otherwise specified		CUSTOMER		FCI		www.fciconnect.com	
ltr	ecr no.	dr	date	linear	.XX±.01/0.X±0.3	projection	1	COPY		title		24S + 6P	
A				angles	.XXX±.005/0.XX±0.13					VERTICAL SOLDER HEADER			
				dr	.XXX±.0020/0.XXX±0.051			product family		PwrBlade	code	213	
				engr	0° ± 2°	scale		size	dwg no	51963-002		sheet	4 of 4
				chr	T. BRUNGARD 07/23/03	1:1		A					
				appd	M. MOSTOLLER 07/23/03								
sheet index		revision sheet											

cage code 22526

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