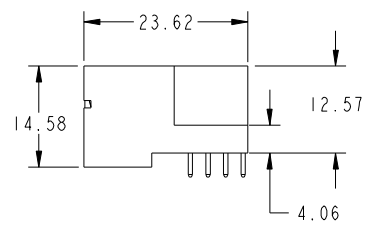
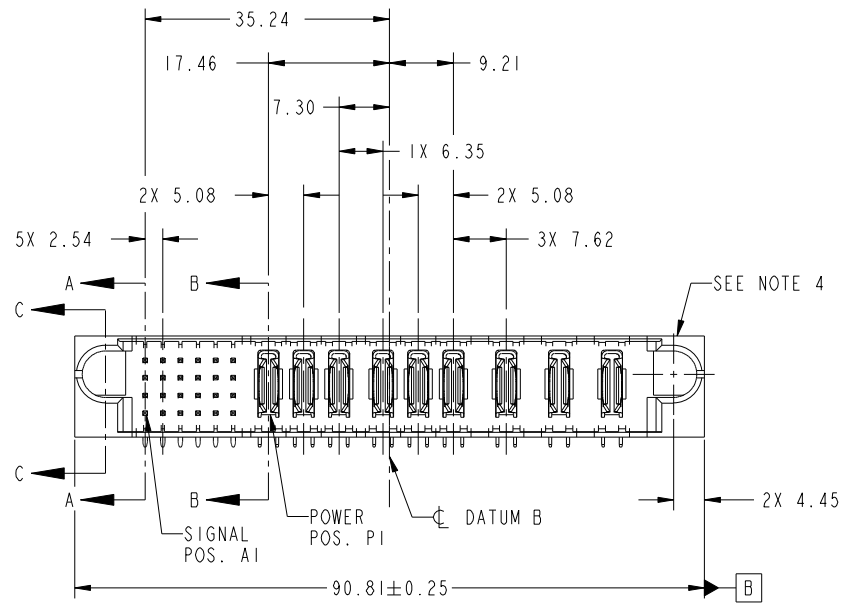


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PRODUCT NO.	ROWS	SIGNAL					POWER									E2		
		E1	1	2	3	4	5	6	P1	P2	P3	P4	P5	P6	P7		P8	P9
51939-531... NOTE 3	D C B A		U	H	U	U	H		PA	PA	PA	PA	PA	PA	PA	PA	PA	
			T	T	T	T	G											
			S	S	S	S	F											
			R	R	R	R	F											



CODE	DIM "M" MATING LENGTH	CONTACT TYPE
U	[6.86]	SIGNAL
T	[6.86]	SIGNAL
S	[6.86]	SIGNAL
R	[6.86]	SIGNAL
PA	[N/A]	POWER
H	[5.59]	SIGNAL
G	[5.59]	SIGNAL
F	[5.59]	SIGNAL
E	[5.59]	SIGNAL

mat'l code				SEE NOTE		tolerances unless otherwise specified		CUSTOMER		 www.fciconnect.com	
ltr	ecn no.	dr	date	linear	0.X ±0.5		COPY		title		
A	DG10-0173	HW	05/16/09		0.XX ±0.25		projection		24S + 9P		
					0.XXX ±0.1				RIGHT ANGLE SOLDER HEADER		
				angles	0° ±2°				product family		code
				dr	HENRY WANG 04/24/10		scale		PwrBlade		213
				enrg	HENRY WANG 04/24/10		1:1		size		sheet
				chr	PM ZHENG 04/24/10		A		dwg no		1 of 4
				appd	JOSEPH HSIA 04/24/10		A		51939-531		
sheet index	revision sheet	A	A	A	A						
		1	2	3	4						

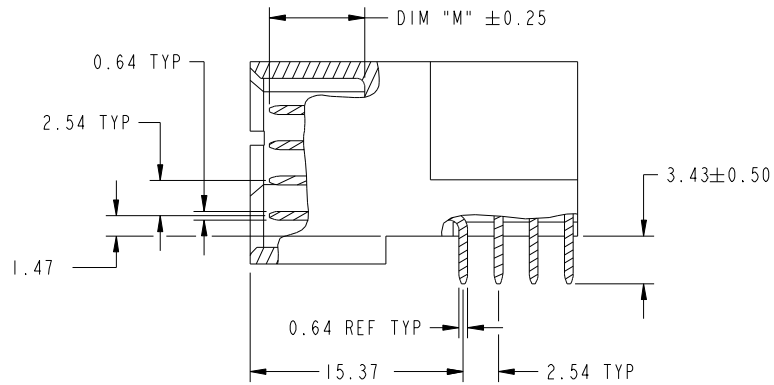
cage code 22526

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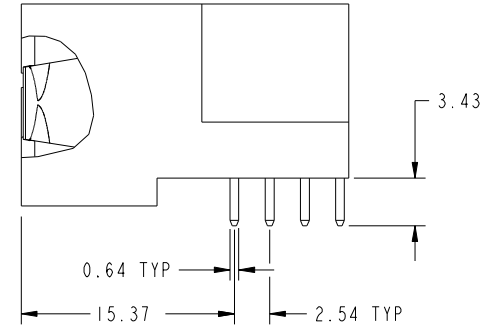
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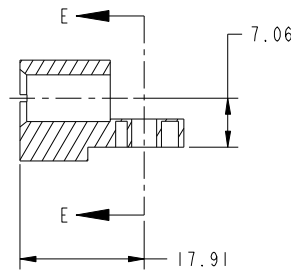
PRODUCT NUMBER
51939-531__
NOTE: 3



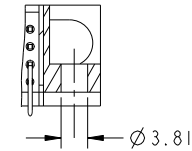
BROKEN-OUT SECTION A-A
SCALE 2:1



BROKEN-OUT SECTION B-B
SCALE 2:1



SECTION C-C



PARTIAL SECTION E-E

mat'l code				SEE NOTE		tolerances unless otherwise specified		CUSTOMER		 www.fciconnect.com	
ltr	ecr no.	dr	date	linear	0.X ±0.5		COPY		title 24S + 9P RIGHT ANGLE SOLDER HEADER		
A					0.XX ±0.25		projection				
					angles	0.XXX ±0.1		 MIM		product family PwrBlade code 213	
				dr		HENRY WANG	04/24/10	scale		size dwg no 213	
				enr	HENRY WANG	04/24/10	1:1		sheet 2 of 4		
				chr	PM ZHENG	04/24/10			A 51939-531		
				appd	JOSEPH HSIA	04/24/10					
sheet index	revision sheet										

cage code 22526

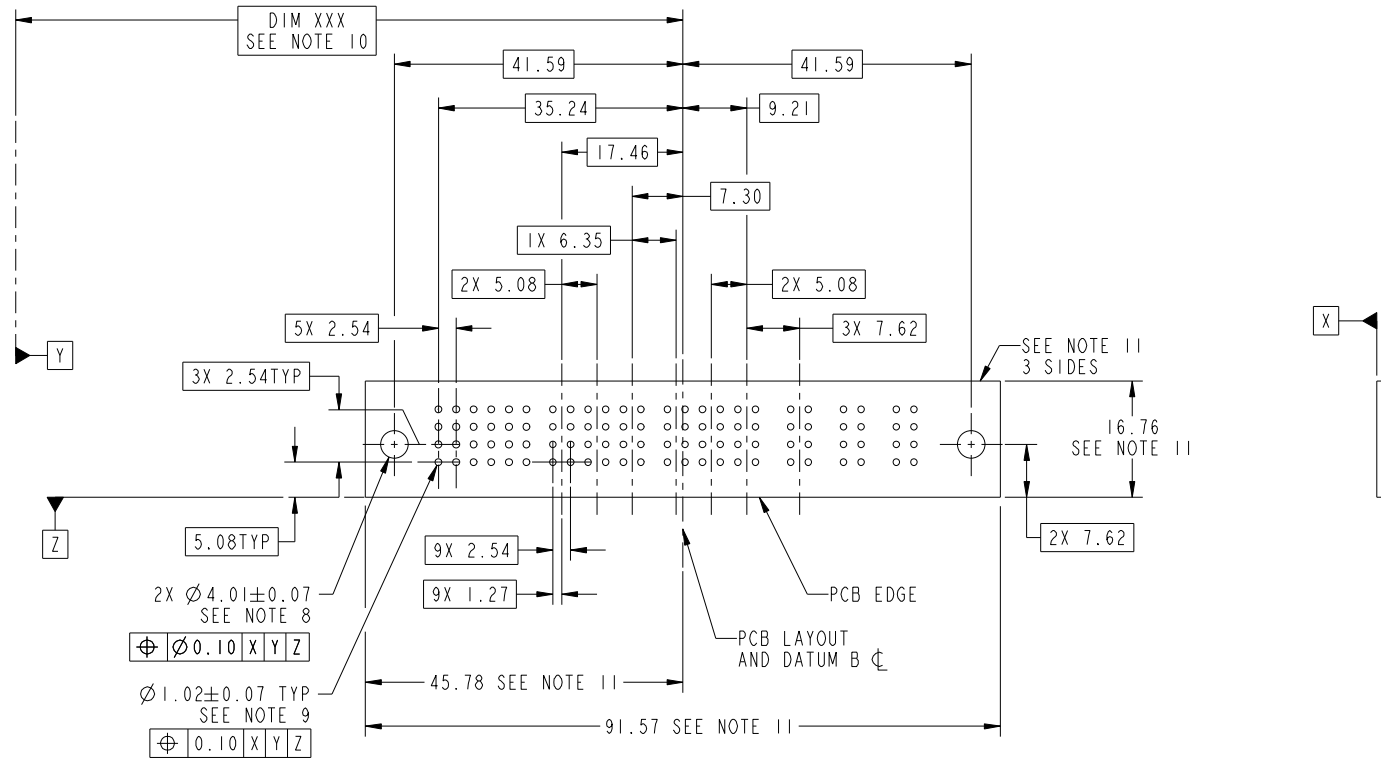
Pro/E

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PRODUCT NUMBER
51939-531__
NOTE: 3



RECOMMENDED PCB LAYOUT

mat'l code		SEE NOTE		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	
				angles	0.XXX ±0.1			24S + 9P RIGHT ANGLE SOLDER HEADER	
				dr	0° ±2°			product family PwrBlade code	
				enr	HENRY WANG 04/24/10	scale		size	
				chr	HENRY WANG 04/24/10	1:1		dwg no	
				appd	PM ZHENG 04/24/10	A		51939-531	
					JOSEPH HSIA 04/24/10			sheet	
sheet index	revision sheet							3 of 4	

cage code 22526

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PRODUCT NUMBER
51939-531--
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 1 & 2 IN PRINT 10064183 FOR PLATING SPEC OF 51939-531 AND 51939-531LF 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. $\varnothing 1.151 \pm 0.025$ DRILLED HOLES PLATED WITH
0.008 MIN SnPb OR Sn OVER 0.03
TO 0.08 Cu PLATING TO ACHIEVE
 $\varnothing 1.02 \pm 0.07$ HOLE.
- 10. "DIM XXX" TO BE DETERMINED BY THE CUSTOMER.
- 11. CONNECTOR KEEP-OUT ZONE.

mat'l code		SEE NOTE		tolerances unless otherwise specified		CUSTOMER		FCI		www.fciconnect.com	
ltr	ecn no.	dr	date	linear	0.X ± 0.5	COPY				title	
A					0.XX ± 0.25	projection				24S + 9P	
				angles	0.XXX ± 0.1					RIGHT ANGLE SOLDER HEADER	
				dr	HENRY WANG 04/24/10	MIM		product family		PwrBlade	code
				enr	HENRY WANG 04/24/10			size		dwg no	213
				chr	PM ZHENG 04/24/10	scale		A		51939-531	sheet
				appd	JOSEPH HSIA 04/24/10	1:1				4 of 4	
sheet index	revision sheet										

cage code 22526

Pro/E