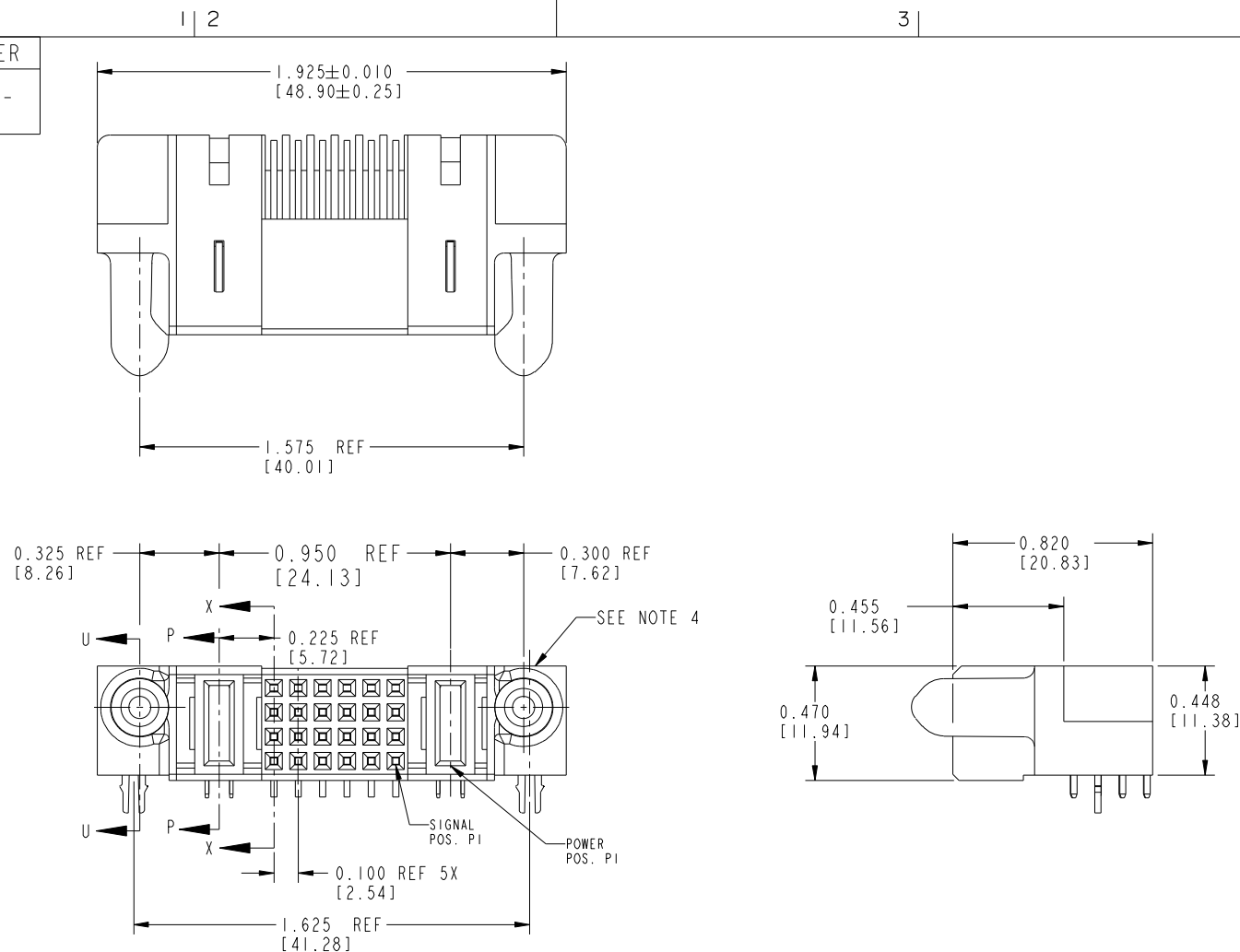




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PRODUCT NUMBER
51416-00X---
NOTE ③



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mat'l code				SEE NOTES		tolerances unless otherwise specified		CUSTOMER		FCI	
ltr	ecn no.	dr	date					COPY		www.fciconnect.com	
A	V90563	CHB	02-18-99	linear		.XX $\pm$.01 / .X $\pm$.3		projection		title IP + 24S + 1P RIGHT ANGLE SOLDER RECEPT	
B	V90919	SAR	04-14-99			.XXX $\pm$.005 / .XX $\pm$.13				product family PwrBlade	
C	V94029	CHB	10-08-99	angles		.XXX $\pm$.0020 / .XXX $\pm$.051				code 213	
D	V01376	EKK	06-08-00	dr	LEVEL 4	01-12-99				size dwg no 51416	
E	DG05-0049	SW	03-17-05	enrg	J. BROWN	01-12-99				sheet 1 of 5	
F	DG05-0230	LH	07-19-05	chr	J. BROWN	01-12-99					
G	DG08-0239	JC	09/12/08	appd	J. BROWN	01-12-99					
sheet index		revision sheet		G	G	G	G	G	G		
				1	2	3	4	5			

Pro/E

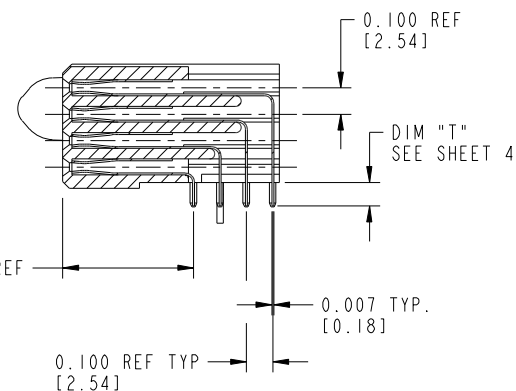
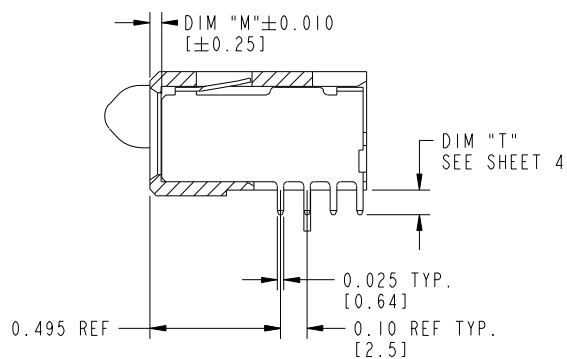
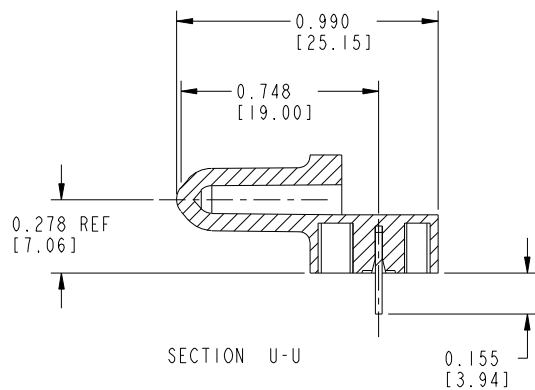
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PRODUCT NUMBER
51416-00X
NOTE (3)



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litr	ecn no.	dr	date	linear		.XX ± .01 / .X ± .3		COPY		www.fciconnect.com	
G						.XXX ± .005 / .XX ± .13		projection		title IP + 24S + 1P	
						.XXX ± .0020 / .XXX ± .051				RIGHT ANGLE SOLDER RECEPT	
				angles		0° ± 2°		INCH/MM		product family	PwrBlade
				dr	LEVEL 4	01-12-99		scale		size	dwg no
				enr	J. BROWN	01-12-99		3:2		A	51416-001
				chr	J. BROWN	01-12-99					sheet
				appd	J. BROWN	01-12-99					2
sheet index	revision sheet										

Pro/E

cage code 22526



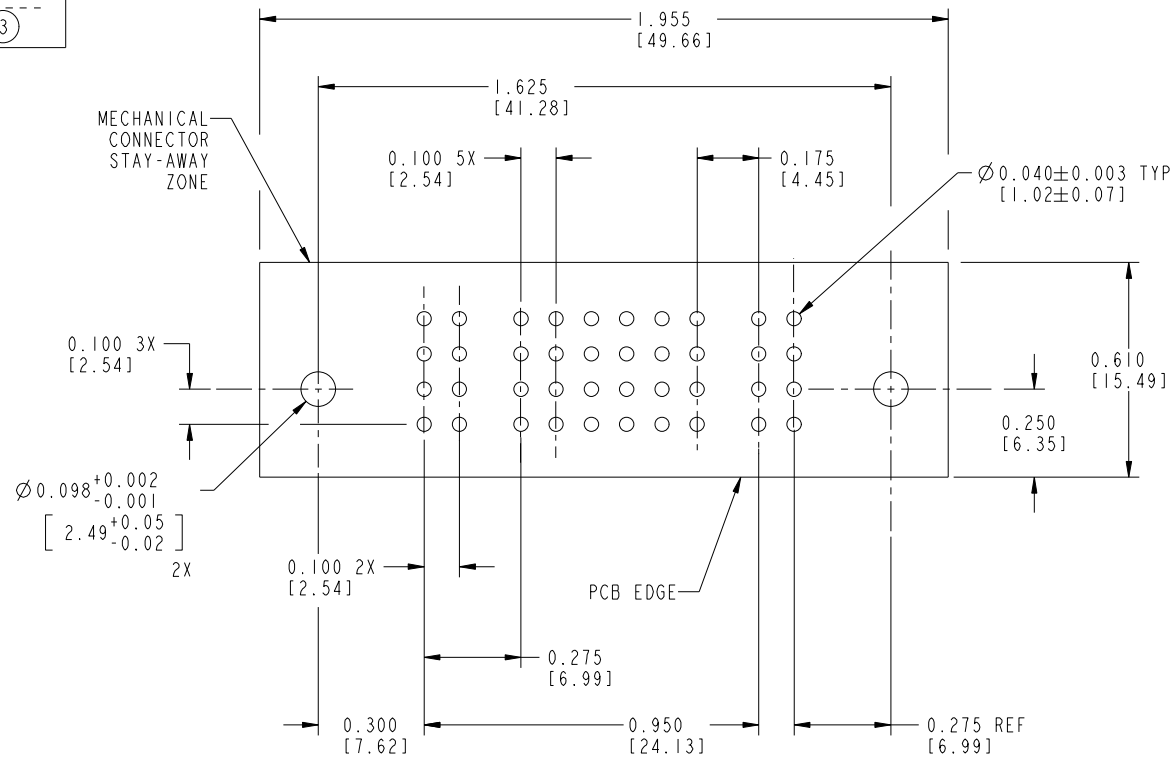
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A

B

PRODUCT NUMBER
51416-00X--
NOTE ③



RECOMMENDED PCB LAYOUT

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ltr		ecn no.		dr		date		linear		.XX ±.01/.X ±.3		projection				title IP + 24S + IP RIGHT ANGLE SOLDER RECEPT							
G										.XXX ±.005/.XX ±.13													
								angles		.XXXX ±.0020/.XXX ±.051				product family PwrBlade				code 213					
										0° ± 2°													
				dr		LEVEL 4		01-12-99		INCH/MM				size dwg no 51416				sheet 3					
				enrg		J. BROWN		01-12-99															
				chr		J. BROWN		01-12-99		scale 3:2		A											
				appd		J. BROWN		01-12-99															
sheet index		revision sheet																					

A

B

1 | 2

Pro/E

3 |

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4



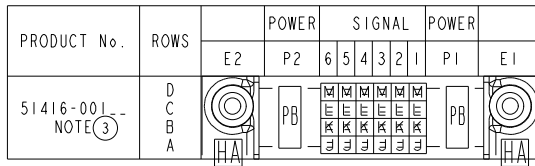
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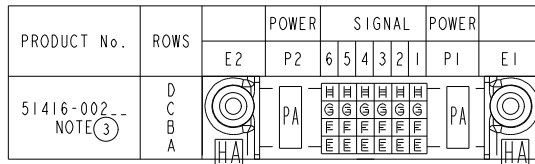
A

B

ITEM NO.	QTY	DIM "M" MATING LENGTH ±.010		DIM "T" TAIL LENGTH +.005-[.13]-.010 [.25]		CONTACT TYPE
PB	2	0.042	[1.07]	0.090	[2.29]	POWER
J	6	N/A	[N/A]	0.090	[2.29]	SIGNAL
K	6	N/A	[N/A]	0.090	[2.29]	SIGNAL
L	6	N/A	[N/A]	0.090	[2.29]	SIGNAL
M	6	N/A	[N/A]	0.090	[2.29]	SIGNAL
HA	2	N/A	[N/A]	N/A	[N/A]	HOLD-DOWN



ITEM NO.	QTY	DIM "M" MATING LENGTH ±.010 [.25]		DIM "T" TAIL LENGTH ±.010 [.25]		CONTACT TYPE
PA	2	0.042	[1.07]	0.135	[3.43]	POWER
E	6	N/A	[N/A]	0.135	[3.43]	SIGNAL
F	6	N/A	[N/A]	0.135	[3.43]	SIGNAL
G	6	N/A	[N/A]	0.135	[3.43]	SIGNAL
H	6	N/A	[N/A]	0.135	[3.43]	SIGNAL
HA	2	N/A	[N/A]	N/A	[N/A]	HOLD-DOWN



mat'l code				SEE NOTES		tolerances unless otherwise specified		CUSTOMER COPY		www.fciconnect.com	
litr	ecn no.	dr	date	linear		.XX ±.01/.X ±.3	projection		title	IP + 24S + 1P RIGHT ANGLE SOLDER RECEPT	
G						.XXX ±.005/.XX ±.13 .XXXX ±.0020/.XXX ±.051					
				angles		0° ± 2°	INCH/MM		product family	PwrBlade	code
				dr	LEVEL 4	01-12-99					213
				enrg	J. BROWN	01-12-99	scale	1:1	size	dwg no	sheet
				chr	J. BROWN	01-12-99					4
				appd	J. BROWN	01-12-99			A	51416	
sheet index	revision sheet										

A

B

1 | 2

3 |

4

1 | 2

Pro/E

3 |

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4

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PRODUCT NUMBER
51416-00X--- 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(51416-00X STAND FOR 51416-001 AND 51416-002)

△ SEE ITEM 5 & 6 IN PRINT 10064183 FOR PLATING SPEC OF 51416-00X
AND 51416-00XLF 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.

PCB NOTES:

6. ALL HOLE DIAMETERS ARE FINISHED HOLE SIZE.
7. MOUNTING HOLES, WHERE APPLICABLE, ARE UNPLATED.
8. $\varnothing.0453\pm0.0010$ [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.
9. "DIM XXX" TO BE DETERMINED BY THE CUSTOMER.
10. CONNECTOR KEEP-OUT ZONE.
11. A △ SYMBOL WILL BE NEXT TO ANY DIMENSION, VIEW, OR NOTE
WHICH HAS BEEN MODIFIED WITH THE CURRENT DRAWING REVISION.

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ltr	ecr no.	dr	date					COPY					
G				linear		.XX±.01/0.X±0.3		projection		title		IP + 24S + IP	
						.XXX±.005/0.XX±0.13				RIGHT ANGLE SOLDER RECEPT			
				angles		.XXX±.0020/0.XXX±0.051				product family		PwrBlade	
						0°±2°		INCH/MM		size		213	
				dr		LEVEL 4 01-12-99		scale		dwg no		sheet	
				enr		J. BROWN 01-12-99		3:2		51416		5	
				chr		J. BROWN 01-12-99							
				appd		J. BROWN 01-12-99							
sheet index		revision sheet											

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