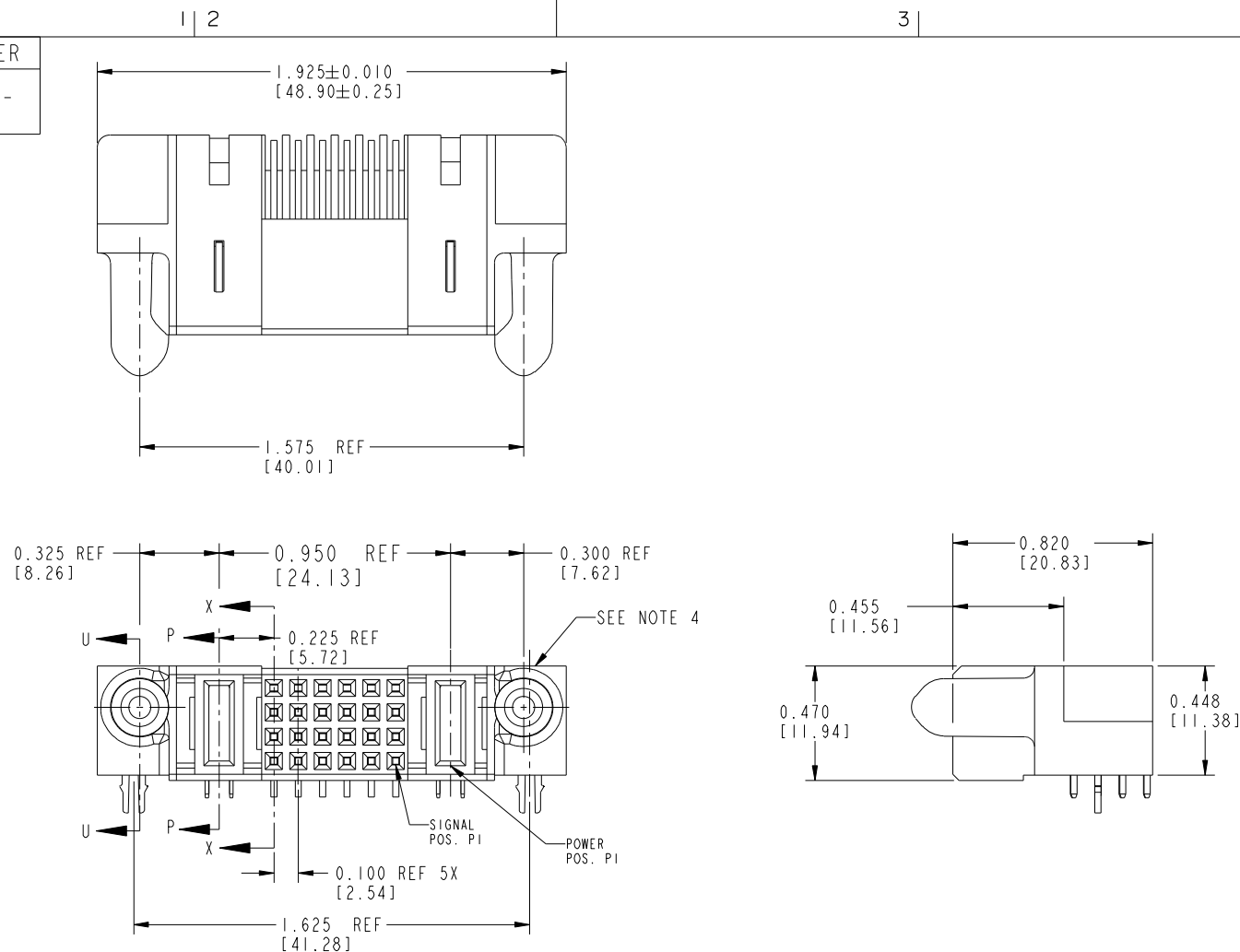




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PRODUCT NUMBER
51416-00X---
NOTE ③



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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	
B	V90919	SAR	04-14-99			.XXX $\pm$.005 / .XX $\pm$.13				IP + 24S + 1P	
C	V94029	CHB	10-08-99	angles		.XXX $\pm$.0020 / .XXX $\pm$.051				RIGHT ANGLE SOLDER RECEPT	
D	V01376	EKK	06-08-00	dr	LEVEL 4	01-12-99				product family	
E	DG05-0049	SW	03-17-05	enrg	J. BROWN	01-12-99				PwrBlade	
F	DG05-0230	LH	07-19-05	chr	J. BROWN	01-12-99				code	
G	DG08-0239	JC	09/12/08	appd	J. BROWN	01-12-99				213	
sheet index		revision sheet		G	G	G	G	G	G	size	
				1	2	3	4	5		dwg no	
										51416	
										1 of 5	

Pro/E

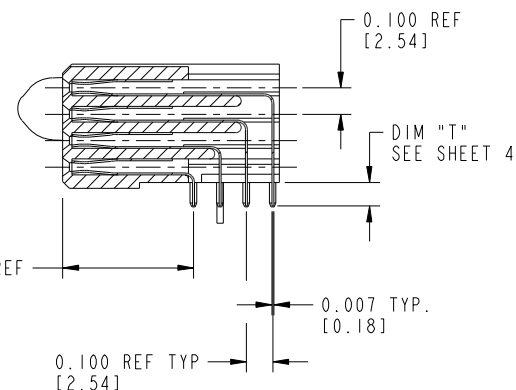
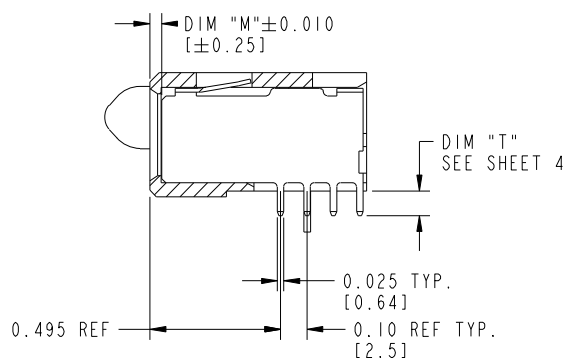
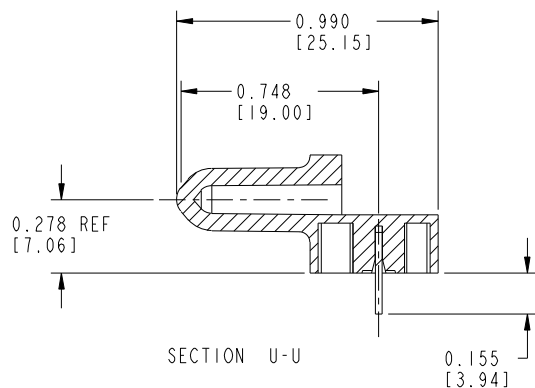
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PRODUCT NUMBER
51416-00X
NOTE (3)



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litr	ecn no.	dr	date					COPY		www.fciconnect.com	
G				linear		.XX ± .01 / .X ± .3		projection		title IP + 24S + 1P RIGHT ANGLE SOLDER RECEPT	
						.XXX ± .005 / .XX ± .13					
				angles		.XXX ± .0020 / .XXX ± .051					
						0° ± 2°					
				dr	LEVEL 4	01-12-99		INCH/MM		product family	PwrBlade
				enr	J. BROWN	01-12-99				size	dwg no
				chr	J. BROWN	01-12-99		scale		51416-001	
				appd	J. BROWN	01-12-99		3:2		code	213
sheet index	revision sheet									sheet	2

Pro/E

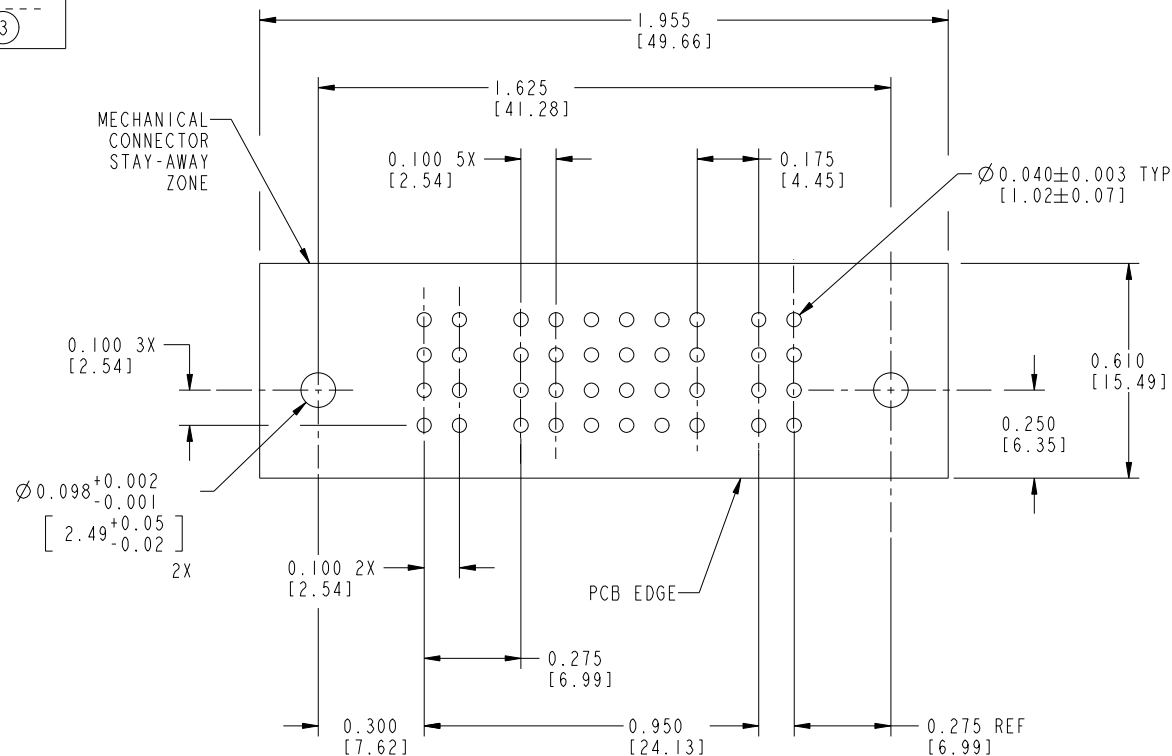
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PRODUCT NUMBER
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NOTE ③



RECOMMENDED PCB LAYOUT

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

Pro/E

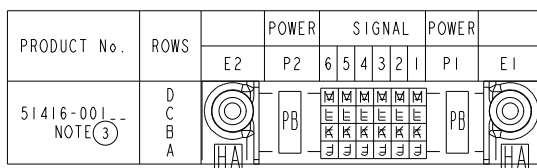
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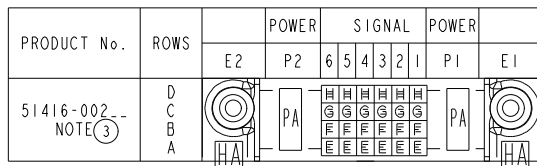


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ITEM NO.	QTY	DIM "M" MATING LENGTH ±.010		DIM "T" TAIL LENGTH +.005-[.13]-.010 [.25]		CONTACT TYPE
PB	2	0.042	[1.07]	0.090	[2.29]	POWER
J	6	N/A	[N/A]	0.090	[2.29]	SIGNAL
K	6	N/A	[N/A]	0.090	[2.29]	SIGNAL
L	6	N/A	[N/A]	0.090	[2.29]	SIGNAL
M	6	N/A	[N/A]	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	
ltr	ecr no.	dr	date	linear		.XX ±.01/.X ±.3		projection		title IP + 24S + 1P RIGHT ANGLE SOLDER RECEPT	
G						.XXX ±.005/.XX ±.13					
				angles		.XXXX ±.0020/.XXX ±.051			INCH/MM	product family PwrBlade	
						0° ± 2°					
				dr		LEVEL 4	01-12-99	scale 1:1	A	size dwg no 51416	
				enrg		J. BROWN	01-12-99				
				chr		J. BROWN	01-12-99			code sheet 213 4	
				appd		J. BROWN	01-12-99				
sheet index		revision sheet									

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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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mat'l code				SEE NOTES		tolerances unless otherwise specified		CUSTOMER		FCI www.fciconnect.com			
ltr	ecr no.	dr	date	linear	.XX±.01/0.X±0.3		COPY			title			
G					.XXX±.005/0.XX±0.13		projection			IP + 24S + 1P			
					.XXX±.0020/0.XXX±0.051		INCH/MM			RIGHT ANGLE SOLDER RECEPT			
				angles	0°±2°		scale			product family			
				dr	LEVEL 4 01-12-99		3:2			PwrBlade			
				enr	J. BROWN 01-12-99		A			code			
				chr	J. BROWN 01-12-99				size		213		
				appd	J. BROWN 01-12-99				dwg no		sheet		
sheet index				revision sheet						51416		5	

cage code 22526

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FCI:

[51416-002](#) [51416-002LF](#) [51416-003LF](#) [51416-003](#)