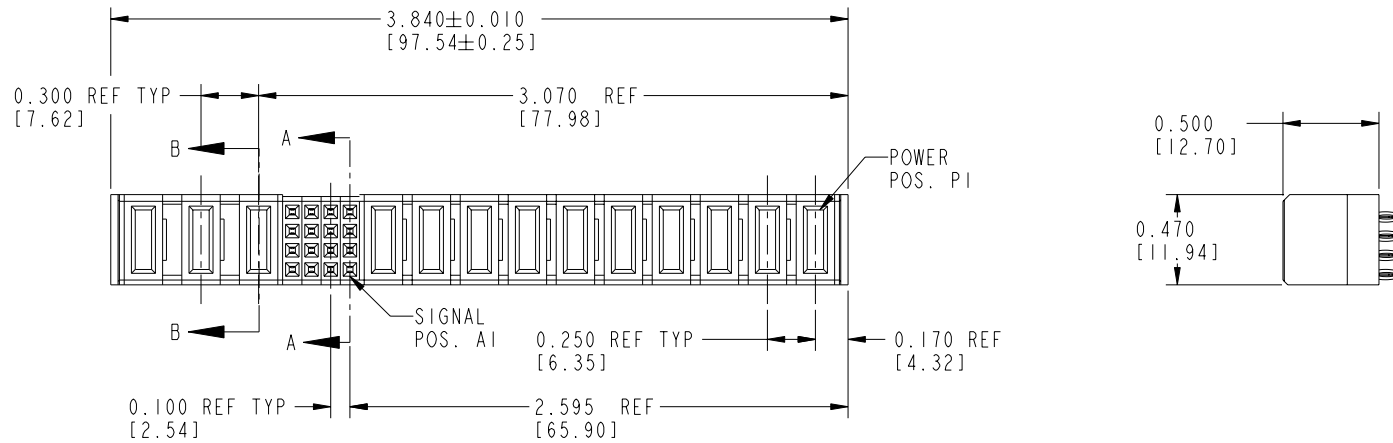


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PRODUCT No.	ROWS	POWER				SIGNAL			POWER											E1
		E2	P13	P12	P11	4	3	2	1	P10	P9	P8	P7	P6	P5	P4	P3	P2	P1	
51940-001-- NOTE: ②	D C B A		PF	PF	PC	F	F	F	F	PF	PF	PF	PF	PF	PF	PF	PF	PF	PF	



CODE	DIM "M" ±.010 [0.25]	CONTACT TYPE
F	N/A [N/A]	SIGNAL
PC	0.042 [1.07]	POWER
PF	0.092 [2.34]	POWER

mat'l code				NOTE 1		tolerances unless otherwise specified		CUSTOMER		 www.fciconnect.com	
ltr	ecn no.	dr	date	linear	.XX±.01/0.X±0.3		COPY		 title 10P + 16S + 3ACP VERTICAL PRESSFIT RECEPTACLE		
A	V12145	JRW	08/08/01		.XXX±.005/0.XXX±0.13		projection				
B	DG05-0295	SJ	08/24/05	angles	.XXX±.0020/.XXX±.051		 INCH/MM		product family PwrBlade code 213		
					0°±2°		scale 1:1		size dwg no 51940 sheet 1 of 3		
sheet index		revision sheet	B 1	B 2					cage code 22526		

Pro/E

PDM: Rev:B

STATUS: Released

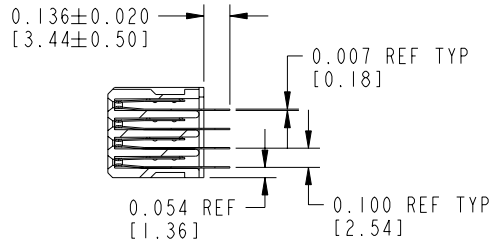
Printed: Oct 08, 2006

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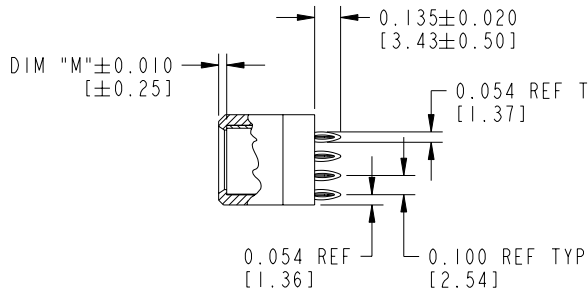
A FCI

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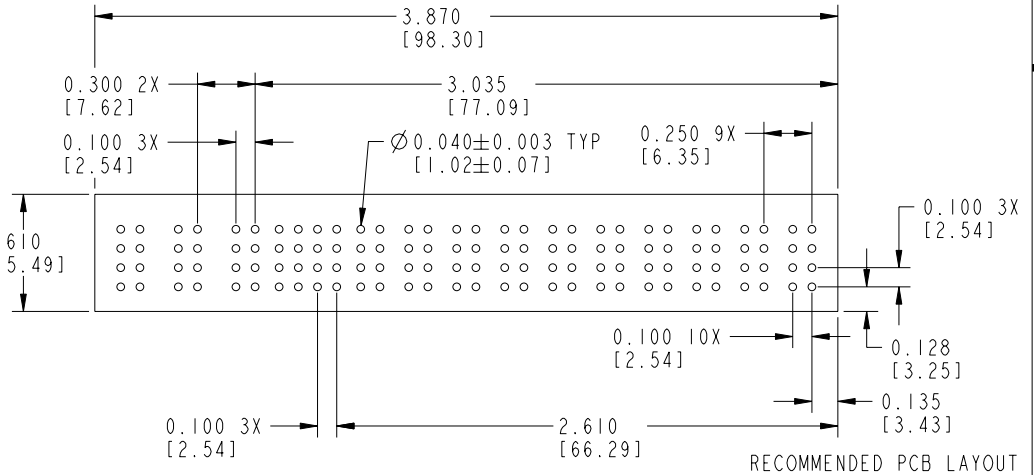
PRODUCT NUMBER
51940-001--
NOTE: ②



SECTION A-A



SECTION B-B



RECOMMENDED PCB LAYOUT

mat'l code		NOTE 1		tolerances unless otherwise specified		CUSTOMER		FCI	
ltr	ecn no.	dr	date	linear	.XX±.01/0.X±0.3	COPY		www.fciconnect.com	
B				projection	.XXX±.005/0.XX±0.13	INCH/MM		title 10P + 16S + 3ACP VERTICAL PRESSFIT RECEPTACLE	
				angles	.XXX±.0020/.XXX±.051 0°±2°	product family PwrBlade		code 213	
		dr	J. WITMER 08/08/01	scale	1:1	size dwg no		sheet 2	
		enr	J. ALLISON 08/08/01			A 51940			
		chr	J. ALLISON 08/08/01						
		appd	J. ALLISON 08/08/01						
sheet index	revision sheet								

Pro/E

cage code 22526

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FCI

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A

B

1 | 2

3 |

4

PRODUCT NUMBER

51940-001__
NOTE: ②

CONNECTOR NOTES:

- ① HOUSING MATERIAL: UL 94 V-0 GLASS FILLED HIGH TEMP THERMOPLASTIC
POWER CONTACT MATERIAL: COPPER ALLOY
SIGNAL CONTACT MATERIAL: COPPER ALLOY

3. PLATING:

51940-001 Singal Pin: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 Pin: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.

51940-001LF Singal Pin: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 Pin: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 51940-001LF 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.




- 3. "MANUFACTURER'S" NAME, P/N, AND DATE CODE TO APPEAR ON THIS SURFACE

4. PRODUCT SPECIFICATION GS-12-149

PCB NOTES:

- 5. ALL DIMENSIONS ARE BASIC UNLESS OTHERWISE SPECIFIED.
- 6. ALL THROUGH HOLES ARE LOCATED WITH A TRUE POSITION OF 0.004 [0.10]
- 7. ALL HOLE DIAMETERS ARE FINISHED HOLE SIZE
- 8. Ø0.126[3.20] THROUGH HOLES ARE UNPLATED.
- 9. Ø0.0453±0.0010 [1.151±0.025] DRILLED HOLES PLATED WITH 0.0003 [0.008] MIN SnPb OVER 0.001 [0.03] TO 0.003 [0.08] Cu PLATING TO ACHIEVE A Ø0.040±0.003 [1.02±0.07] HOLE.

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mat'l code		NOTE 1		tolerances unless otherwise specified		CUSTOMER		 FCI www.fciconnect.com	
ltr	ecn no.	dr	date	linear	.XX±.01/0.X±0.3	COPY			
B				projection	.XXX±.005/0.XX±0.13			title 10P + 16S + 3ACP VERTICAL PRESSFIT RECEPTACLE	
				angles	.XXX±.0020/.XXX±.051			product family PwrBlade code 213	
				dr	0°±2°	INCH/MM		size A	
				enr	J. WITMER 08/08/01	scale 1:1		dwg no 51940 sheet 3	
				chr	J. ALLISON 08/08/01				
				appd	J. ALLISON 08/08/01				
sheet index	revision sheet								

A

B

1 | 2

Pro/E

3 |

cage code 22526

4

PDM: Rev:B

STATUS: **Released**

Printed: Oct 08, 2006