

Excellent Integrated System Limited

Stocking Distributor

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[FCI](#)
[51940-251LF](#)

For any questions, you can email us directly:

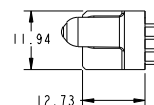
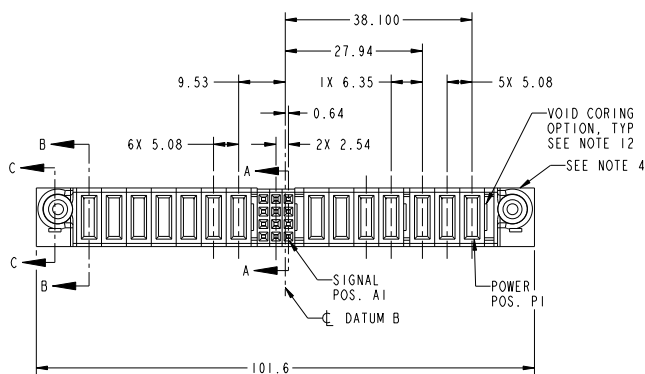
sales@integrated-circuit.com

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PRODUCT NO.	ROWS	POWER								SIGNAL		POWER								
		E2	P14	P13	P12	P11	P10	P9	P8	1	2	P7	P6	P5	P4	P3	P2	P1	E1	
51940-251.. NOTE: 3	D C B A		PA	X	PA	X	PA	X	PA			X	X	PA	PA	X	PA	PA		



CODE	DIM "M" MATING LENGTH	CONTACT TYPE
E	[N/A]	SIGNAL
PA	[1.07]	POWER
X	OMITTED	

SEE NOTES				tolerances unless otherwise specified	
ltr	ecn no.	dr	date	linear	0.X ± 0.5
A	DG08-0115	SH	05/12/08	linear	0.XX ± 0.25
				linear	0.XXX ± 0.1
				angles	0° ± 2°
				dr	Sincere He 05/06/08
				engr	Sincere He 05/06/08
				chr	Gary Hsieh 05/06/08
				appd	Joseph Hsiao 05/06/08
sheet index	revision sheet	A 1	A 2	A 3	A 4

CUSTOMER		FCI		www.fciconnect.com	
COPY	projection	title	7P + 12S + 7P	VERTICAL SOLDER RECEPT	
product family	PwrBlade	code	213		
size	dwg no	51940-251	sheet	1	of 4
scale	1:1				
cage code	22526				

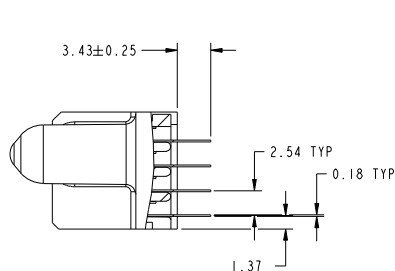
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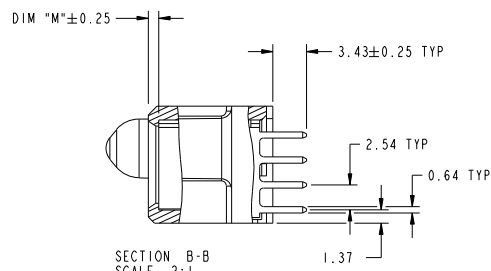
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PRODUCT NUMBER

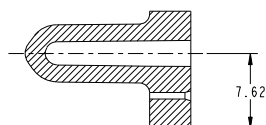
51940-251...
NOTE: 3



SECTION A-A
SCALE 2:1



SECTION B-B
SCALE 2:1



SECTION C-C
SCALE 2:1

mat'l code				tolerances unless otherwise specified		CUSTOMER	
ltr	ecn no.	dr	date	linear	0.X ±0.5	COPY	
A					0.XX ±0.25	projection	www.fciconnect.com
					0.XXX ±0.1		
				angles	0° ±2°		
				dr	Sincere He 05/06/08		
				engr	Sincere He 05/06/08		
				chr	Gary Hsieh 05/06/08		
				appd	Joseph Hsia 05/06/08		
sheet index	revision sheet					scale	
						1:1	



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title
7P + 12S + 7P
VERTICAL SOLDER RECEPT

product family
PwrBlade

size
dwg no
A 51940-251

code
213
sheet
2 of 4

cage code
22526

Pro/E

PDM: Rev:A

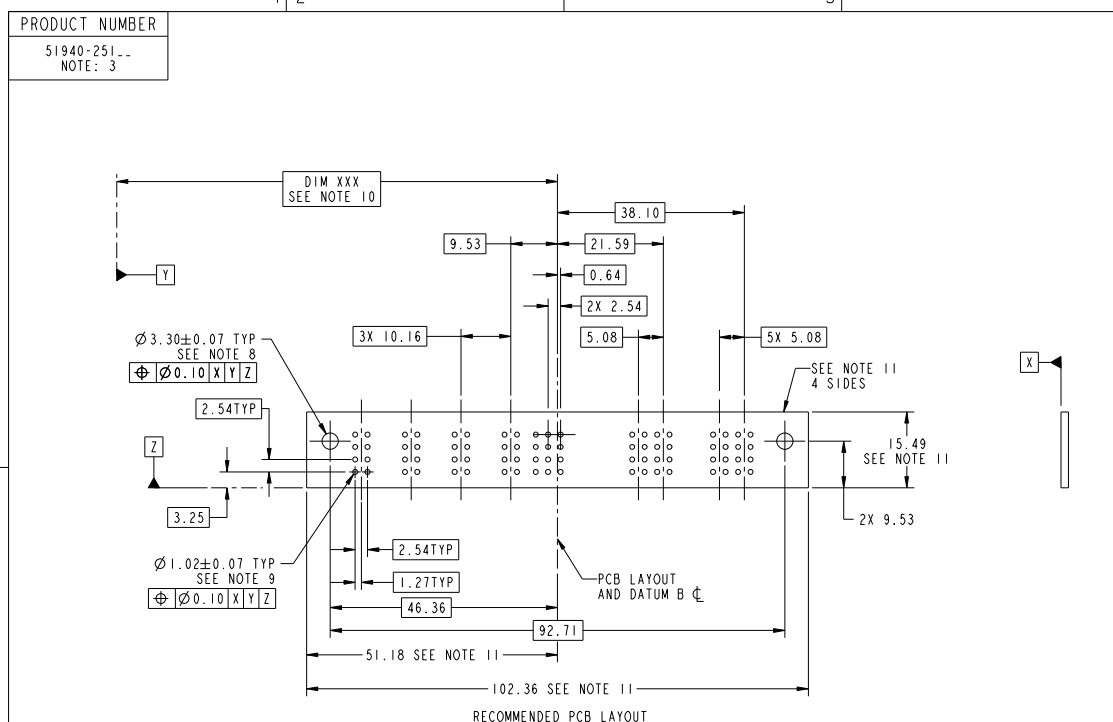
STATUS:Released

Printed: Dec 20, 2010

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RECOMMENDED PCB LAYOUT

mat'l code				tolerances unless otherwise specified		CUSTOMER		 www.fciconnect.com		
lfr	ecn no.	dr	date	linear angles dr engr chr appd	0 ± 0.5 $0.XX \pm 0.25$ $0.XXX \pm 0.1$ $0^\circ \pm 3^\circ$	CDPY projection  MM scale 1:1	title 7P + 12S + 7P VERTICAL SOLDER RECEPT	product family PwrBlade	code 213	
A					Sincere Hs 05/06/08 Sincere Hs 05/06/08 Gary Hsieh 05/06/08 Joseph Hsia 05/06/08		size A	dwg no 51940-251	sheet 3 of 4	
sheet index	revision sheet									

Pro/E

3

code	code	22526
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4

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PRODUCT NUMBER

51940-251--
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 SPEC.

51940-251, 51940-251LF PLATING SPEC. WAS SHOWN IN THE PRINT OF 10064183.

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.

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.

12. THE VOID CORING IN BETWEEN POWER MODULES, SIGNAL MODULES AND END MODULES ARE OPTIONAL AND THE SHAPE MAY BE DIFFERENT FOR OPTIMIZE THE MOLDING PROCESS. THE VOID CORING WILL NOT EFFECT TO PRODUCT FUNCTION.

mat'l code				tolerances unless otherwise specified		CUSTOMER	
ltr	ecn no.	dr	date			COPY	
A				linear	$0.X \pm 0.5$	projection	title
					$0.XX \pm 0.25$		7P + 12S + 7P
				angles	$0.XXX \pm 0.1$		VERTICAL SOLDER RECEPT
					$0^\circ \pm 2^\circ$		product family
				dr	Sincere He 05/06/08		PwrBlade
				engr	Sincere He 05/06/08		code
				chr	Gary Hsieh 05/06/08		size
				appd	Joseph Hsia 05/06/08		dwg no
						scale	213
							sheet
sheet index	revision sheet						4 of 4

Pro/E

cage code 22526

PDM: Rev:A

STATUS: Released

Printed: Dec 20, 2010