

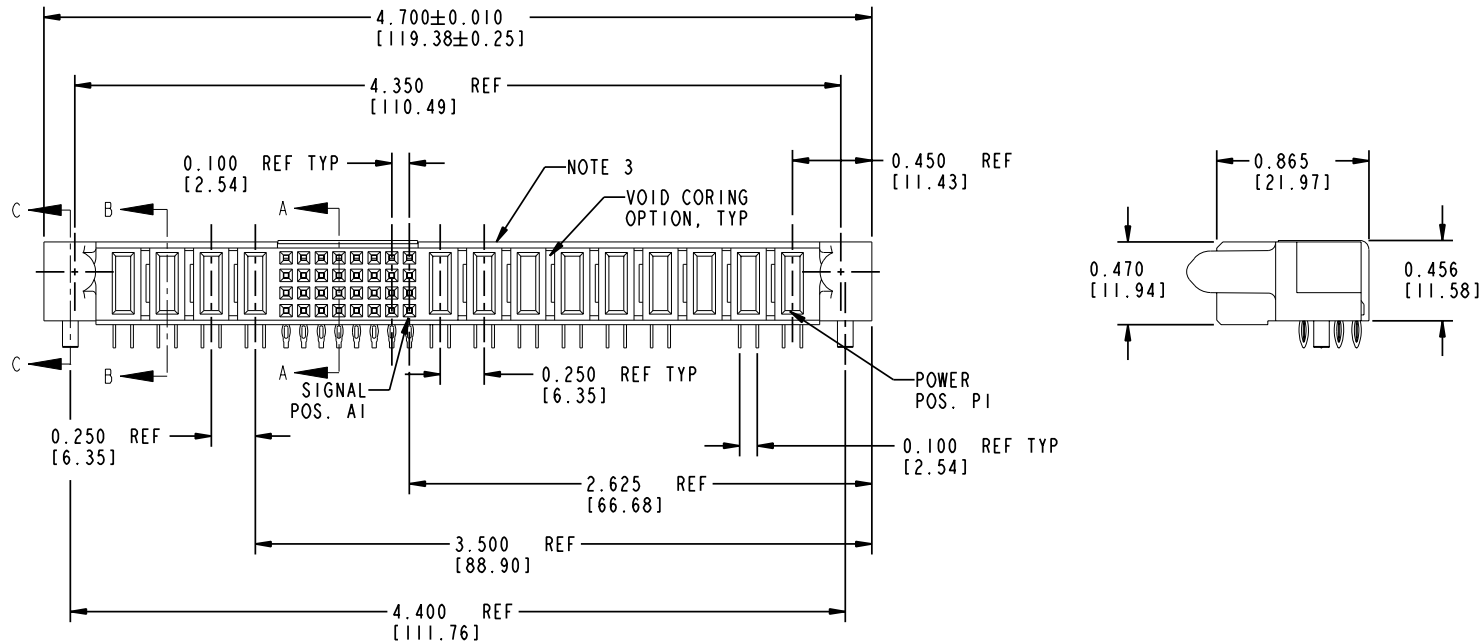
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PRODUCT No.	ROWS		POWER				SIGNAL								POWER																																																																																																																																																																																																																																																																																										
		E2	P13	P12	P11	P10	8	7	6	5	4	3	2	1	P9	P8	P7	P6	P5	P4	P3	P2	P1	E1																																																																																																																																																																																																																																																																																	
51823-001 NOTE: ②	D C B A	 HA	 PF	 PF	 PE	 PF	S	S	S	S	S	S	S	S	 PF	 PF	 PF	 PF	 PF	 PF	 PF	 PF	 PF	 PF	 PF	 PF	 PF	 PF	 PF	 PF	 PF	 PF	 PF	 PF	 PF	 PF	 PF	 PF	 PF	 PF	 PF	 PF	 PF	 PF	 PF	 PF	 PF	 PF	 PF	 PF	 PF	 PF	 PF	 PF	 PF	 PF	 PF	 PF	 PF	 PF	 PF	 PF	 PF	 PF	 PF	 PF	 PF	 PF	 PF	 PF	 PF	 PF	 PF	 PF	 PF	 PF	 PF	 PF	 PF	 PF	 PF	 PF	 PF	 PF	 PF	 PF	 PF	 PF	 PF	 PF	 PF	 PF	 PF	 PF	 PF	 PF	 PF	 PF	 PF	 PF	 PF	 PF	 PF	 PF	 PF	 PF	 PF	 PF	 PF	 PF	 PF	 PF	 PF	 PF	 PF	 PF	 PF	 PF	 PF	 PF	 PF	 PF	 PF	 PF	 PF	 PF	 PF	 PF	 PF	 PF	 PF	 PF	 PF	 PF	 PF	 PF	 PF	 PF	 PF	 PF	 PF	 PF	 PF	 PF	 PF	 PF	 PF	 PF	 PF	 PF	 PF	 PF	 PF	 PF	 PF	 PF	 PF	 PF	 PF	 PF	 PF	 PF	 PF	 PF	 PF	 PF	 PF	 PF	 PF	 PF	 PF	 PF	 PF	 PF	 PF	 PF	 PF	 PF	 PF	 PF	 PF	 PF	 PF	 PF	 PF	 PF	 PF	 PF	 PF	 PF	 PF	 PF	 PF	 PF	 PF	 PF	 PF	 PF	 PF	 PF	 PF	 PF	 PF	 PF	 PF	 PF	 PF	 PF	 PF	 PF	 PF	 PF	 PF	 PF	 PF	 PF	 PF	 PF	 PF	 PF	 PF	 PF	 PF	 PF	 PF	 PF	 PF	 PF	 PF	 PF	 PF	 PF	 PF	 PF	 PF	 PF	 PF	 PF	 PF	 PF	 PF	 PF	 PF	 PF	 PF	 PF	 PF	 PF	 PF	 PF	 PF	 PF	 PF	 PF	 PF	 PF	 PF	 PF	 PF	 PF	 PF	 PF	 PF	 PF	 PF	 PF	 PF	 PF	 PF	 PF	 PF	 PF	 PF	 PF	 PF	 PF	 PF	 PF	 PF	 PF	 PF	 PF	 PF	 PF	 PF	 PF	 PF	 PF	 PF	 PF	 PF	 PF	 PF	 PF	 PF	 PF	



CODE	DIM "M" ± 0.010 [0.25]	CONTACT TYPE
N	N/A	SIGNAL
P	N/A	SIGNAL
R	N/A	SIGNAL
S	N/A	SIGNAL
PE	0.042 [1.07]	POWER
PF	0.092 [2.34]	POWER
HA	N/A	HOLD-DOWN
X	OMITTED	OMITTED

mat'l code				NOTE 1		tolerances unless otherwise specified		CUSTOMER		A FCI		www.fciconnect.com	
ltr	ecn no.	dr	date	linear	linear	.XX $\pm$.01/0.X $\pm$ 0.3	projection	COPY	title	9P • 32S • 4P	code	213	sheet
A	V02301	CGD	09-07-00	linear	linear	.XXX $\pm$.005/0.XX $\pm$ 0.13	projection	projection	RIGHT ANGLE PRESS-FIT RECEPTACLE	product family	PWRBLADE	code	213
B	V02786	JWS	11-30-00	linear	linear	.XXX $\pm$.0020/0.XXX $\pm$.051	projection	projection	RIGHT ANGLE PRESS-FIT RECEPTACLE	product family	PWRBLADE	code	213
C	V12180	JRW	09-11-01	angles	angles	0 $^{\circ}$ $\pm$ 2 $^{\circ}$	projection	projection	RIGHT ANGLE PRESS-FIT RECEPTACLE	product family	PWRBLADE	code	213
D	V20682	JWS	04-08-02	dr	dr	C.DAILY	06/21/00	projection	RIGHT ANGLE PRESS-FIT RECEPTACLE	product family	PWRBLADE	code	213
E	V21515	TAB	10-08-02	enr	enr	E.TREECE	6/21/00	projection	RIGHT ANGLE PRESS-FIT RECEPTACLE	product family	PWRBLADE	code	213
F	DG05-0227	SJ	07/15/05	chr	chr	E.TREECE	06/21/00	projection	RIGHT ANGLE PRESS-FIT RECEPTACLE	product family	PWRBLADE	code	213
				appd	appd	E.TREECE	06/21/00	projection	RIGHT ANGLE PRESS-FIT RECEPTACLE	product family	PWRBLADE	code	213
sheet index	revision	F	F	F									
sheet	sheet	1	2	3									

Pro/E

PDM: Rev:F

STATUS:Released

Printed: Dec 20, 2010

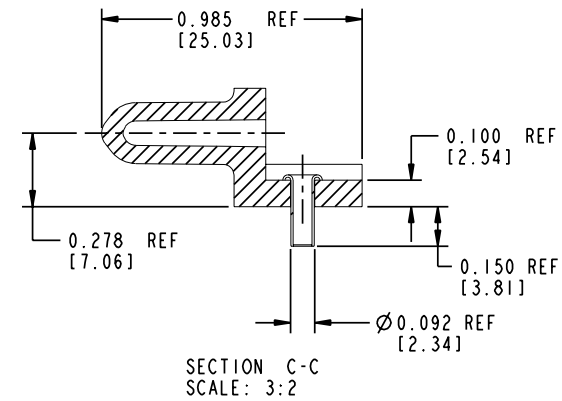
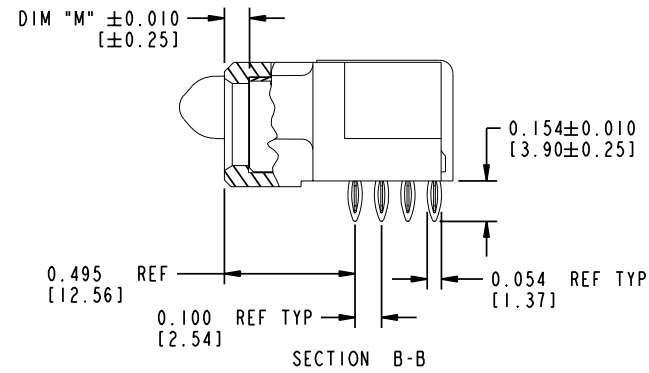
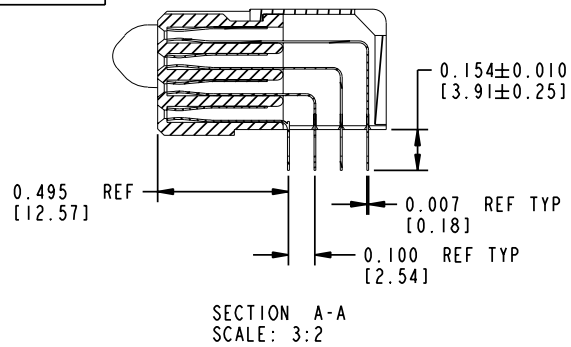
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PRODUCT NUMBER

51823-001..
NOTE: ②



mat'l code				NOTE 1		tolerances unless otherwise specified		CUSTOMER		A FCI www.fciconnect.com	
litr	ecn no.	dr	date	linear		.XX±.01/0.X±0.3		COPY		title	
F						.XXX±.005/0.XX±0.13		projection		9P • 32S • 4P	
						.XXX±.0020/0.XXX±.051				RIGHT ANGLE PRESS-FIT RECEPTACLE	
					angles	0°±2°				product family	
					dr	C.DAILY 06/21/00		INCH/MM		PWRBLADE	
				enrg	E.TREECE 6/21/00			scale		size	dwg no
				chr	E.TREECE 06/21/00			3:2		51823	code
				appd	E.TREECE 06/21/00						213
sheet index	revision	sheet									sheet
											2

Pro/E

cage code **22526**

PDM: Rev:F

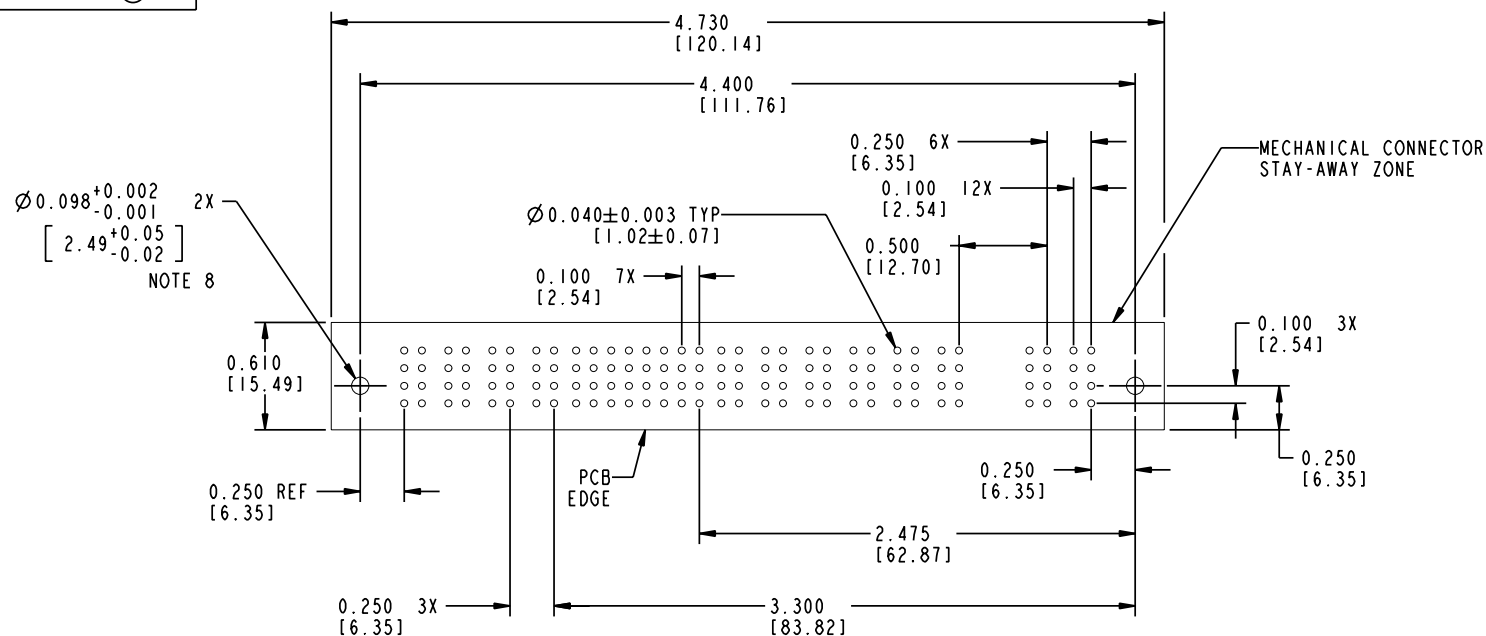
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B

51823-001..
NOTE: (2)



RECOMMENDED PCB LAYOUT

mat'l code				NOTE 1				tolerances unless otherwise specified				CUSTOMER				A FCI www.fciconnect.com								
ltr	ecn no.	dr	date	linear	.XX±.01/0.X±0.3 .XXX±.005/0.XX±0.13 .XXX±.0020/0.XXX±.051				COPY				projection INCH/MM scale 1:1				title				9P + 32S + 4P			
F					angles				0°±2°								RIGHT ANGLE PRESS-FIT RECEPTACLE							
					dr	C. DAILY	06/21/00		product family								PWRBLADE							
				engr	E. TREECE	6/21/00		size				dwg no				213								
				chr	E. TREECE	06/21/00		A				51823				sheet								
				appd	E. TREECE	06/21/00										3								
sheet index		revision																						
		sheet																						
Pro/E								3								cage code								
																22526								
																4								

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PRODUCT NUMBER

51823-001..
NOTE: ②

CONNECTOR NOTES:

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

2. PLATING:

51823 Singal Pin:30u"/0.76um Au OVER 50u"/1.27um Ni ON THE WHOLE AREA.
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.

51823LF Singal Pin:30u"/0.76um Au OVER 50u"/1.27um Ni ON THE WHOLE AREA.
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 51823LF 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.

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

- PRODUCT SPECIFICATION GS-12-149

- USE CAM TOOL NUMBER 166459-003

PCB NOTES:

- ALL DIMENSIONS ARE BASIC UNLESS OTHERWISE SPECIFIED.
- ALL THROUGH HOLES ARE LOCATED WITH A TRUE POSITION OF 0.004 [0.10]
- ALL HOLE DIAMETERS ARE FINISHED HOLE SIZE
- Ø0.098 [2.49] THROUGH HOLES ARE UNPLATED AND ARE USED TO ALIGN PCB WITH FCI INSERTION TOOLING.
- 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±.07] HOLE.

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ltr	ecn no.	dr	date	linear	.XX±.01/0.X±0.3	projection	COPY				
F					.XXX±.005/0.XX±0.13		title				
					.XXX±.0020/0.XXX±.051		9P • 32S • 4P RIGHT ANGLE PRESS-FIT RECEPTACLE				
				angles	0°±2°		product family				
				dr	C.DAILY 06/21/00	INCH/MM	PWRBLADE		code		
				enr	E.TREECE 6/21/00	scale	size		213		
				chr	E.TREECE 06/21/00	1:1	dwg no		sheet		
				appd	E.TREECE 06/21/00		A		4		
sheet index	revision										
	sheet										

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3

cage code 22526

4

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