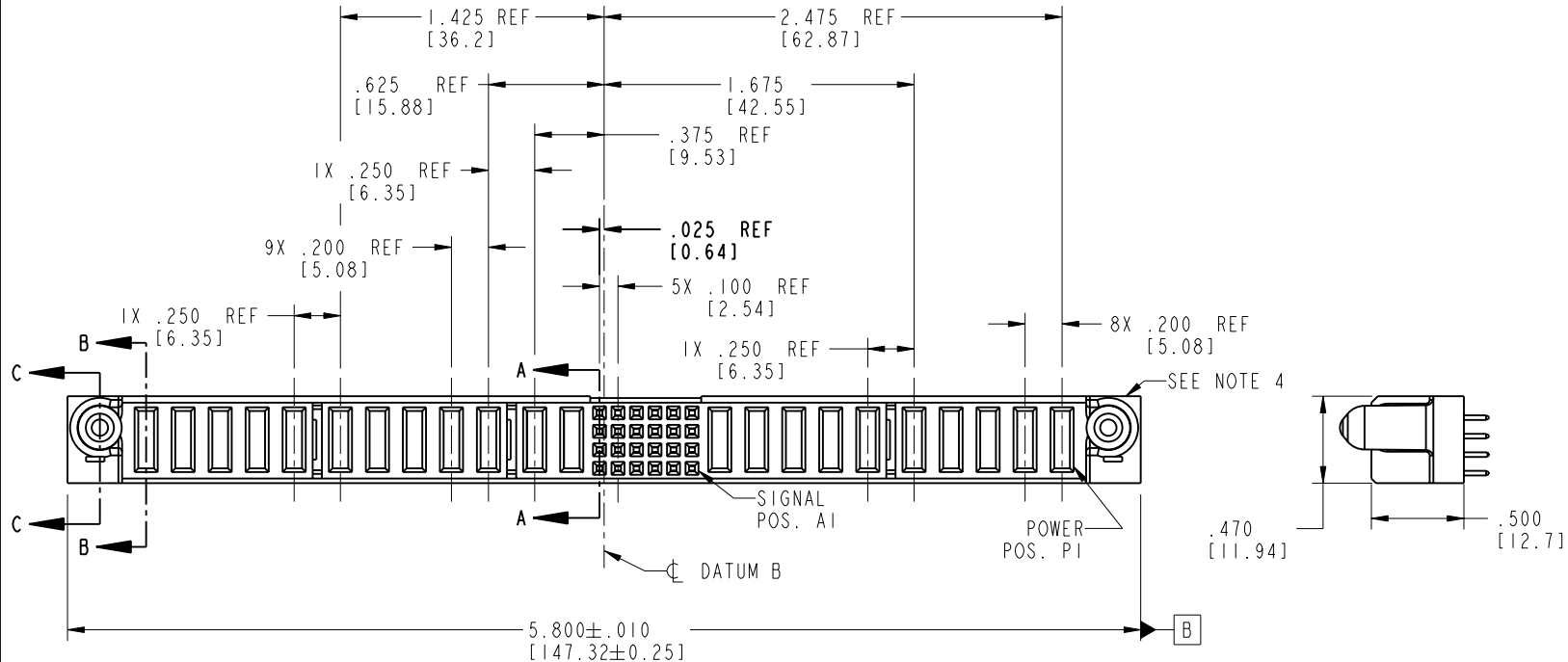


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PRODUCT NO.	ROWS	POWER												SIGNAL					POWER												E1
		E2	P22	P21	P20	P19	P18	P17	P16	P15	P14	P13	P12	P11	6	5	4	3	2	1	P10	P9	P8	P7	P6	P5	P4	P3	P2	P1	
51857-002-- NOTE: 3	DCBA		PA	PA	PA	PA	PA	PA	PA	PA	PA	PA	PA	PA	PA	PA	PA	PA	PA	PA	PA	PA	PA	PA	PA	PA	PA	PA	PA	PA	



CODE	DIM "M" MATING LENGTH		CONTACT TYPE
E	N/A	[N/A]	SIGNAL
PA	.042	[1.07]	POWER

mat'l code				tolerances unless otherwise specified		CUSTOMER		FCI	
lfr	ecn no.	dr	date	linear	.XX ± .01/0.X ± 0.3	COPY		www.fciconnect.com	
A	V03-0209	TAB	02/26/03	linear	.XXX ± .005/0.XX ± 0.13	projection		title	10P + 24S + 12P
B	DG05-0530	GuoJM	12/12/05	angles	.XXX ± .0020/0.XX ± 0.051	INCH/MM		product family	PwrBlade
				dr	T. BRUNGARD 02/26/03	scale	1:1	code	213
				enrg	M. MOSTOLLER 02/26/03			size	dwg no
				chr	M. MOSTOLLER 02/26/03			A	51857-002
				appd	M. MOSTOLLER 02/26/03			sheet	1 of 4
sheet index	revision	B	B	B	B				
	sheet	1	2	3	4				

Pro/E

cage code 22526

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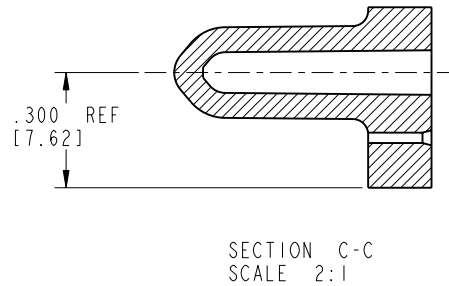
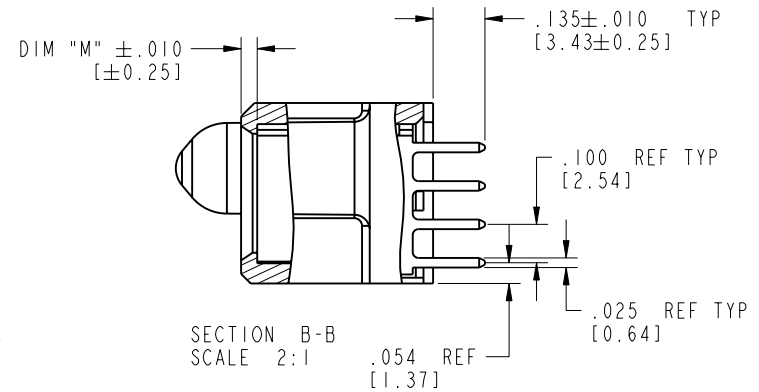
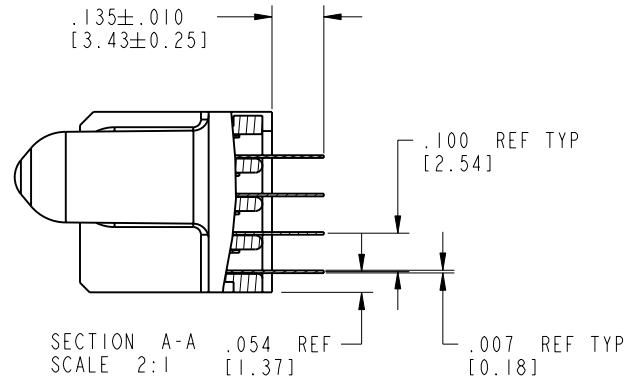
A
FCI

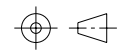
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A

B

PRODUCT NUMBER
51857-002--
NOTE: 3



mat'l code				tolerances unless otherwise specified		CUSTOMER		 www.fciconnect.com	
lfr	ecn no.	dr	date	linear	angles	COPY	projection		
B				.XX±.01/0.X±0.3	0°±2°			title	10P + 24S + 12P VERTICAL SOLDER RECEPT
				.XXX±.005/0.XX±0.13				product family	PwrBlade
				.XXX±.0020/0.XXX±0.051				code	213
				dr	T. BRUNGARD	02/26/03		size	dwg no
				engr	M. MOSTOLLER	02/26/03		A	51857-002
				chr	M. MOSTOLLER	02/26/03		sheet	2 of 4
				appd	M. MOSTOLLER	02/26/03			
sheet index	revision sheet								

Pro/E

cage code 22526

PDM: Rev:B

STATUS: Released

Printed: Dec 20, 2010

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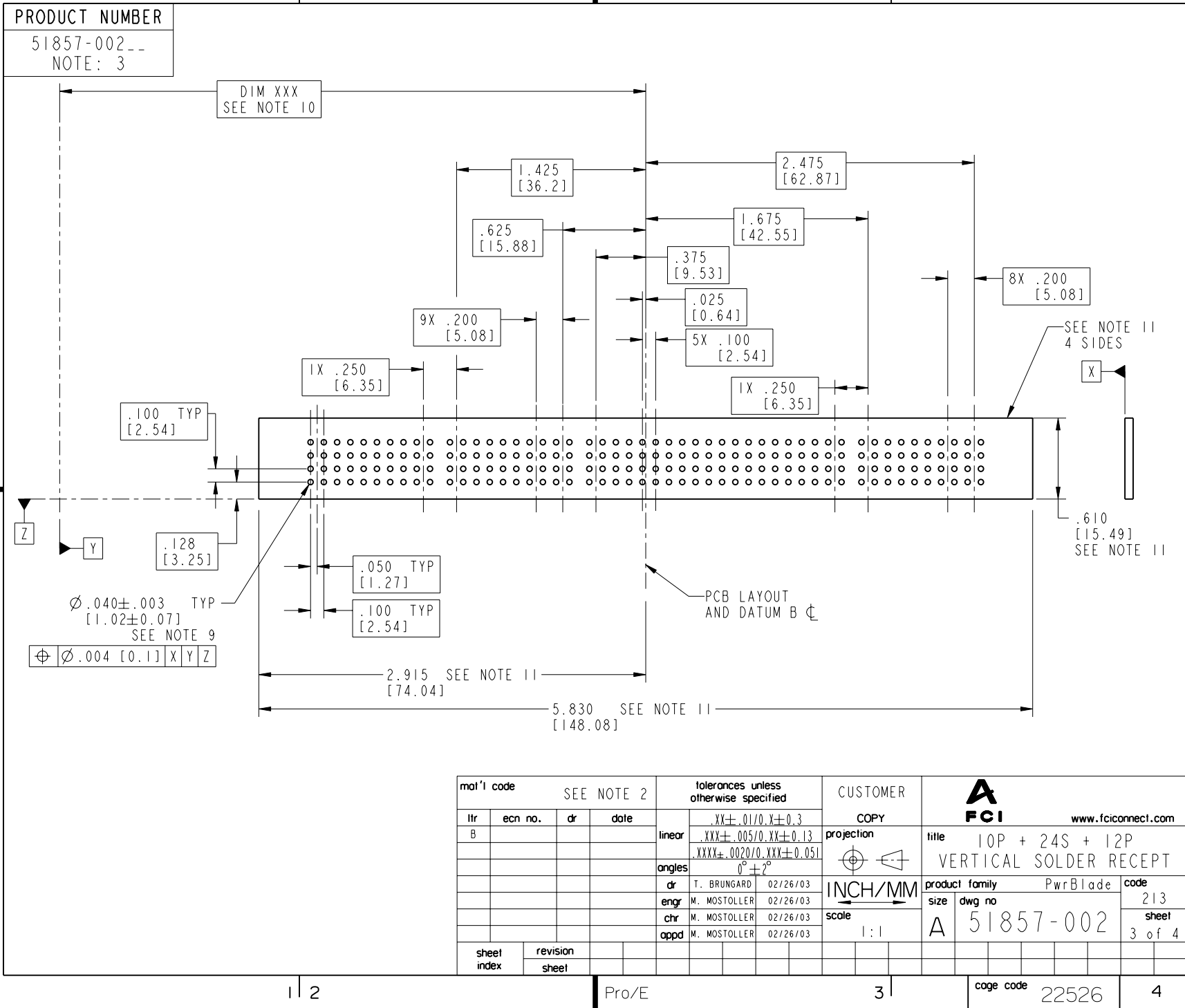
A
FCI

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A

A
FCI

B



A

B

PRODUCT NUMBER
51857-002--
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:

51857-002 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.

51857-002LF 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 51857-002LF 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.

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:

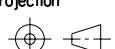
7. ALL HOLE DIAMETERS ARE FINISHED HOLE SIZE.

8 MOUNTING HOLES, WHERE APPLICABLE, ARE UNPLATED.

9 $\varnothing.0453 \pm .0010$ [1.151 $\pm$ 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.

10 "DIM XXX" TO BE DETERMINED BY THE CUSTOMER.

11 CONNECTOR KEEP-OUT ZONE.

mat'l code				SEE NOTE 2		tolerances unless otherwise specified		CUSTOMER		 www.fciconnect.com			
lfr	ecr no.	dr	date	linear	.XX $\pm$.01/0.X $\pm$ 0.3		COPY						
B					.XXX $\pm$.005/0.XX $\pm$ 0.13		INCH/MM						
					.XXX $\pm$.0020/0.XXX $\pm$ 0.051		scale						
				angles	0° $\pm$ 2°		1:1						
				dr	T. BRUNGARD	02/26/03							
				enrg	M. MOSTOLLER	02/26/03							
				chr	M. MOSTOLLER	02/26/03			product family		PwrBlade	code	
				appd	M. MOSTOLLER	02/26/03			size		dwg no	213	
sheet index		revision sheet								A		51857-002	sheet 4 of 4

Mouser Electronics

Authorized Distributor

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