

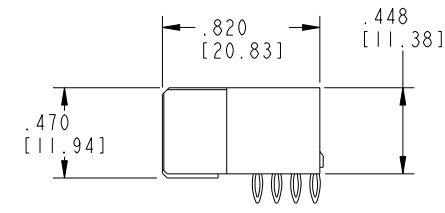
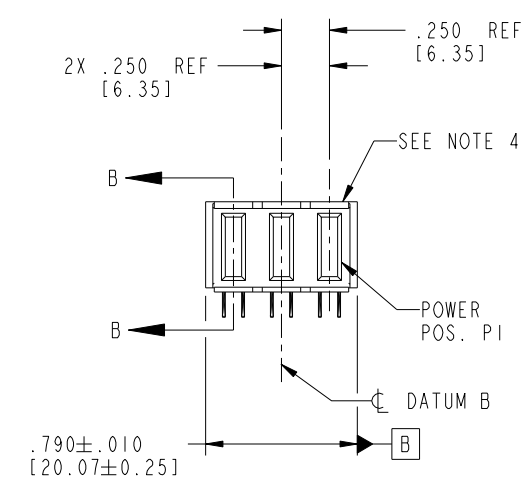
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PRODUCT NO. 51866-020_- NOTE: ③	POWER		
	P3	P2	P1
	PF	PF	PE

1 | 2 | 3 | 4



CODE	DIM "M" MATING LENGTH	CONTACT TYPE
PE	.042 [1.07]	POWER
PF	.092 [2.34]	POWER

mat'l code SEE NOTE 2				tolerances unless otherwise specified		CUSTOMER		FCI	
ltr	ecn no.	dr	date	linear	.XX±.01/0.X±0.3	COPY		www.fciconnect.com	
A	V03-0960	DAI	8/29/03		.XX±.005/0.XX±0.13	projection		title 3P	
B	D605-0232	SJ	07/20/05	angles	.XXX±.0020/0.XXX±0.051	INCH/MM		R/A PRESS FIT RECEPTACLE	
C	D608-0251	W D	09/16/08		0°±2°	scale 1:1		product family PwrBlade code 213	
sheet index		revision sheet	C 1	C 2	C 3	C 4	size dwg no		sheet 1 of 4
							A 51866-020		

B | 1 | 2 | 3 | 4 | B

Pro/E

PDM: Rev: C

STAT: Released

Printed: Sep 21, 2008

cage code 2856

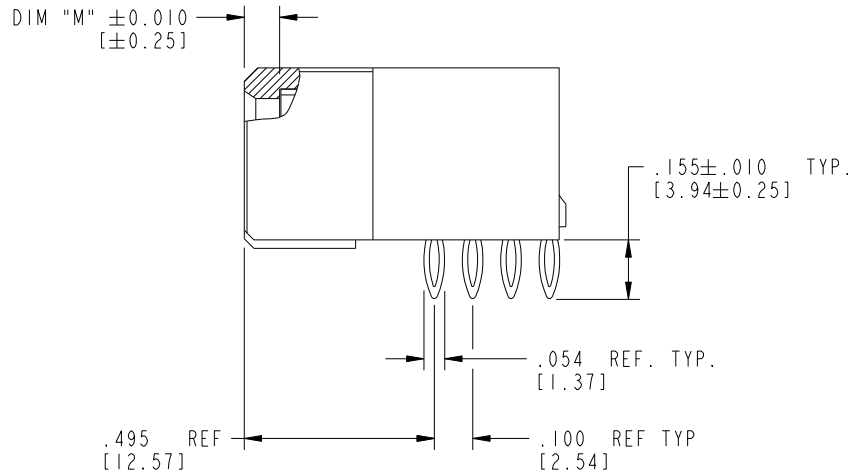
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PRODUCT NUMBER

51866-020--
NOTE: ③



BROKEN-OUT SECTION B-B
SCALE 2:1

mat'l code		SEE NOTE 2		tolerances unless otherwise specified		CUSTOMER		FCI		www.fciconnect.com	
ltr	ecn no.	dr	date	linear	.XX±.01/0.X±0.3	projection	COPY	title	3P		
C					.XXX±.005/0.XX±0.13	INCH/MM		R/A PRESS FIT RECEPTACLE			
				angles	.XXX±.0020/0.XXX±0.051	scale	1:1	product family	PwrBlade	code	213
				dr	D. INGRAM 8/29/03			size	dwg no	sheet	2 of 4
				engr	M. MOSTOLLER 8/29/03			A	51866-020		
				chr	M. MOSTOLLER 8/29/03						
				appd	M. MOSTOLLER 8/29/03						
sheet index	revision sheet										

Pro/E

PDM: Rev: C

STATUS: Released

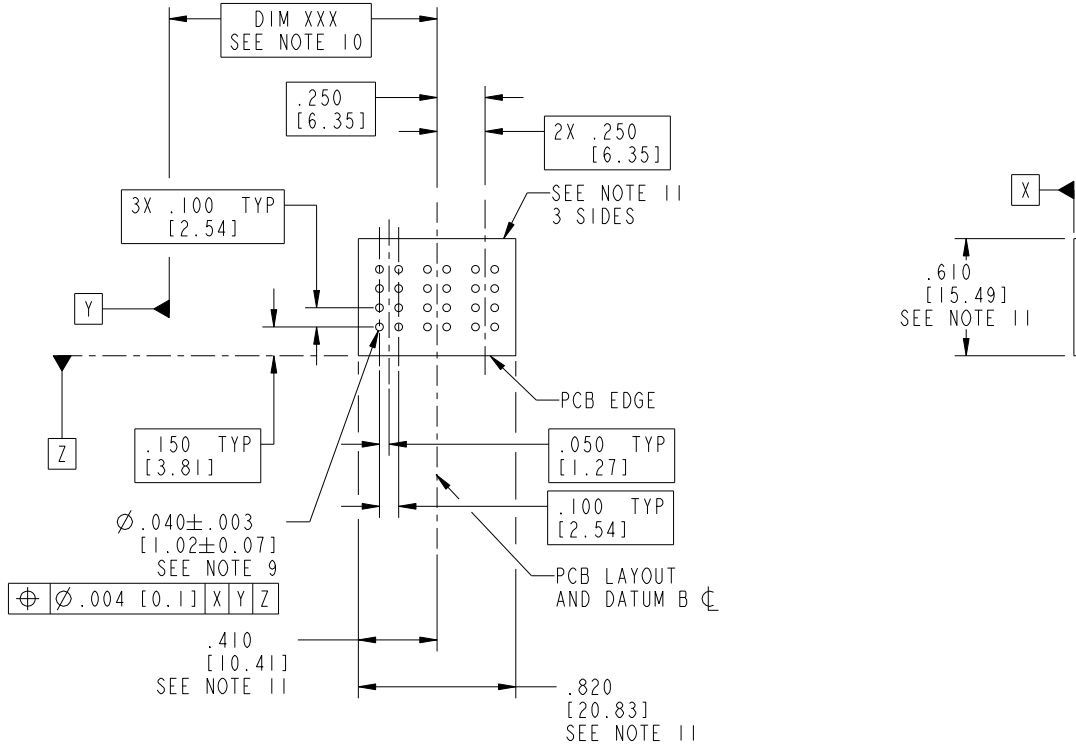
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PRODUCT NUMBER
51866-020--
NOTE: ③



RECOMMENDED PCB LAYOUT

mat'l code		SEE NOTE 2		tolerances unless otherwise specified		CUSTOMER		FCI	
ltr	ecn no.	dr	date	linear	.XX±.01/0.X±0.3	COPY		www.fciconnect.com	
C				angles	.XX±.005/0.XX±0.13 .XXX±.0020/0.XXX±0.051	projection		title 3P	
				dr	0°±2°	INCH/MM		R/A PRESS FIT RECEPTACLE	
				enr	D. INGRAM 8/29/03	scale		product family PwrBlade	
				chr	M. MOSTOLLER 8/29/03	1:1		code 213	
				appd	M. MOSTOLLER 8/29/03			size 51866-020	
sheet index	revision sheet							sheet 3 of 4	

Pro/E

PDM: Rev: C

STATUS: Released

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1 | 2

3

4

A

A

B

B

1 | 2

4

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1 | 2

3 |

4

PRODUCT NUMBER
51866-020--
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 SEE ITEM 7 & 8 IN PRINT 10064183 FOR PLATING SPEC OF 51866-020 AND 51866-020LF 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.

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 ± 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 ± .07] HOLE.

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

⑪ CONNECTOR KEEP-OUT ZONE.

⑫ △ C SYMBOL WILL BE NEXT TO ANY DIMENSION, VIEW, OR NOTE WHICH HAS BEEN MODIFIED WITH THE CURRENT DRAWING REVISION.

mat'l code		SEE NOTE 2		tolerances unless otherwise specified		CUSTOMER		FCI		www.fciconnect.com	
ltr	ecn no.	dr	date	linear	.XX±.01/0.X±0.3	COPY		title		3P	
C				projection	.XX±.005/0.XX±0.13	INCH/MM		R/A PRESS FIT RECEPTACLE		product family	
				angles	.XXX±.0020/0.XXX±0.051	1:1		PwrBlade		code	
				dr	0° ± 2°	scale		size		213	
				engr	D. INGRAM 8/29/03	A		51866-020		sheet	
				chr	M. MOSTOLLER 8/29/03					4 of 4	
				appd	M. MOSTOLLER 8/29/03						
sheet index	revision sheet										

A

A

B

B

1 | 2

Pro/E

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