

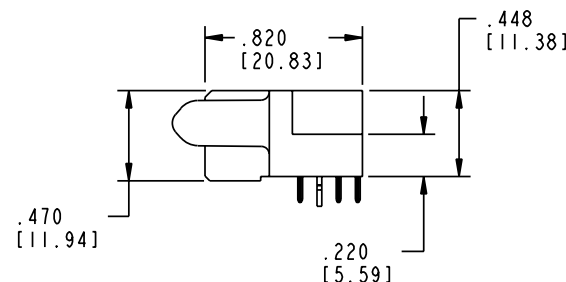
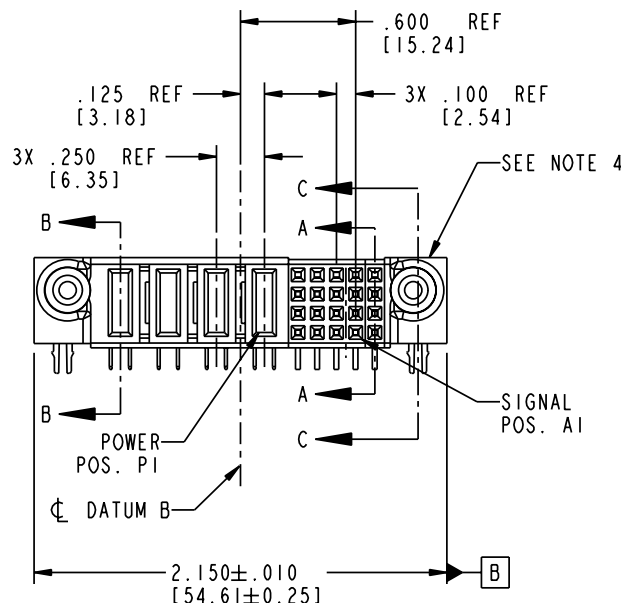
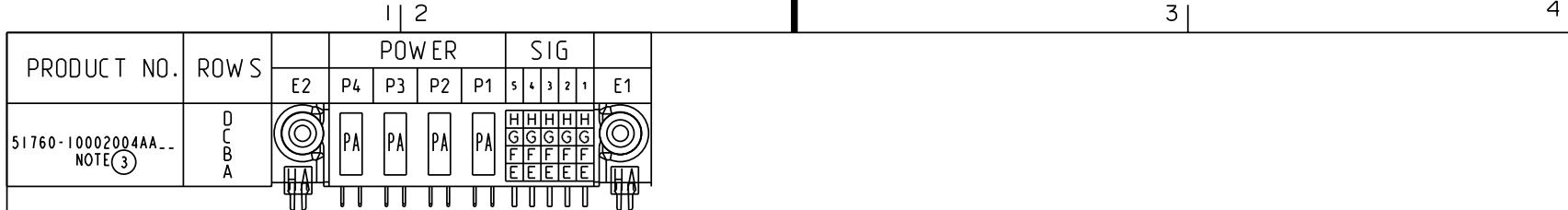
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A

FCI

B



CODE	DIM "M" MATING LENGTH	CONTACT TYPE
E	N/A [N/A]	SIGNAL
F	N/A [N/A]	SIGNAL
G	N/A [N/A]	SIGNAL
H	N/A [N/A]	SIGNAL
PA	.042 [1.07]	POWER
HA	N/A [N/A]	HOLD-DOWN

mat'l code				tolerances unless otherwise specified		CUSTOMER		A FCI		www.fciconnect.com	
ltr	ecr no.	dr	date	linear	.XX±.01/0.X±0.3	projection	COPY	INCH/MM	scale	title	
A	DG05-0064	SW	04/06/05		.XXX±.005/0.XX±0.13					20S + 4P	
					.XXX±.0020/0.XXX±0.051					R/A SOLDER RECEPTACLE	
				angles	0°±2°	INCH/MM	scale	1:1	A	product family	
				dr	STEVEN WANG	04/06/05				PwrBlade	
				enrg	STEVEN WANG	04/06/05				code	
				chr	VICTOR LIN	04/06/05	A	51760-10002004AA	1 of 4	size	
				appd	JOSEPH HSIA	04/06/05				dwg no	
										sheet	
sheet index	revision	A	A	A	A						
	sheet	1	2	3	4						

B

Pro/E

PDM: Rev: A

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Printed: Aug 14, 2007

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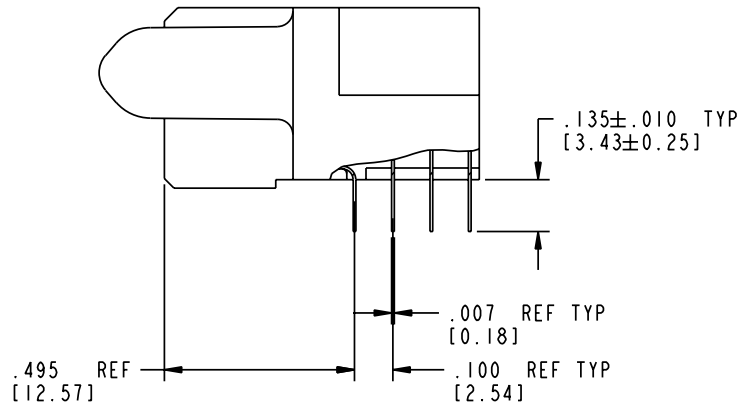
A

B

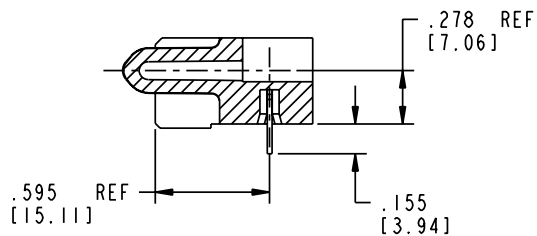
A

B

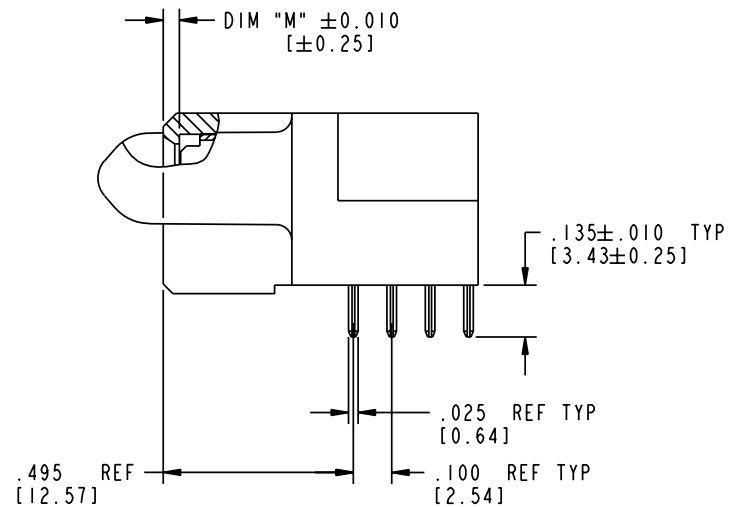
PRODUCT NUMBER
51760-10002004AA--
NOTE (3)



BROKEN-OUT SECTION A-A
SCALE 2:1



SECTION C-C



BROKEN-OUT SECTION B-B
SCALE 2:1

mat'l code				tolerances unless otherwise specified				CUSTOMER			
lfr	ecn no.	dr	date	linear	.XX±.01/0.X±0.3	projection	COPY	A			
A				angles	.XXX±.005/0.XX±0.13	INCH/MM		www.fciconnect.com			
					.XXX±.0020/0.XXX±0.051	scale		title			
				dr	STEVEN WANG 04/06/05	1:1		20S + 4P			
				enr	STEVEN WANG 04/06/05			R/A SOLDER RECEPTACLE			
				chr	VICTOR LIN 04/06/05			product family PwrBlade			
				appd	JOSEPH HSIA 04/06/05			size dwg no			
sheet index	revision sheet							A 51760-10002004AA			
								code 213			
								sheet 2 of 4			

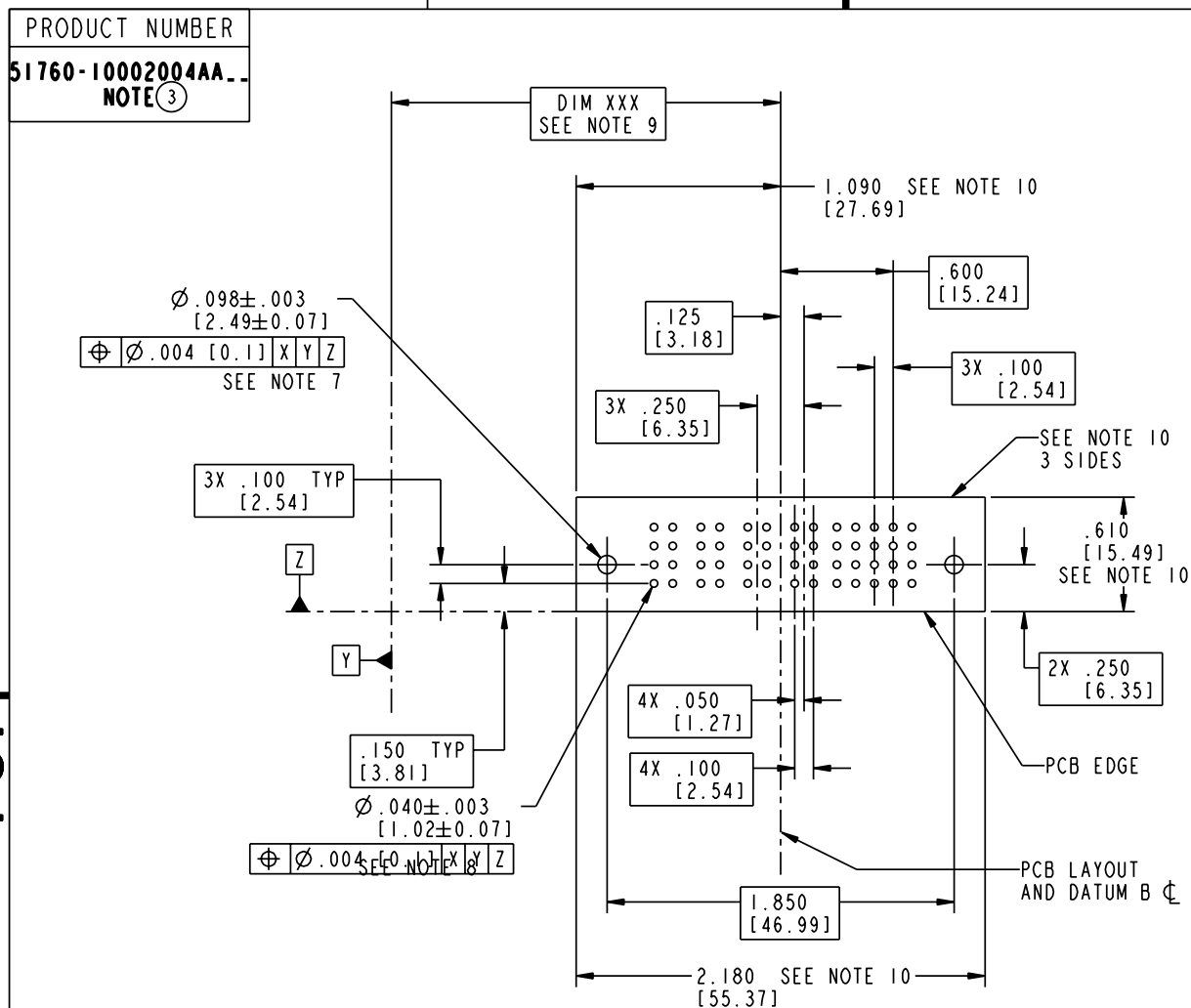
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Printed: Aug 14, 2007

AF



mat'l code		SEE NOTE 2		tolerances unless otherwise specified		CUSTOMER		 www.fciconnect.com				
ltr	ecn no.	dr	date	linear	$.XX\pm .01/0.X\pm 0.3$	projection 	title 20S + 4P R/A SOLDER RECEPTACLE	PwrBlade				
A					$.XXX\pm .005/0.XX\pm 0.13$			INCH/MM 	product family size dwg no A 51760-10002004AA	code 213		
			angles		$.XXX\pm .0020/0.XXX\pm 0.051$					scale 1:1	sheet 3 of 4	
					$0^\circ\pm 2^\circ$							
		dr	STEVEN WANG	04/06/05								
		engr	STEVEN WANG	04/06/05								
		chr	VICTOR LIN	04/06/05								
		appd	JOSEPH HSIA	04/06/05								
sheet index	revision sheet											

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A
FCI

A

B

1 | 2

3 |

4

A

B

PRODUCT NUMBER

51760-10002004AA--
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:

51760-10002004AA SIGNAL PINS: 30u"/0.76um Au OVER 50u"/1.27um Ni ON CONTACT AREA
100u"/2.54um SnPb OVER 50u"/1.27um Ni ON TERMINATION AREA.
POWER CONTACTS: 50u"/1.27um Ni UNDER ALL WITH 30u"/0.76um Au ON CONTACT AREA
AND 100u"/2.54um SnPb ON PCB INTERFACE

51760-10002004AALF SIGNAL PINS: 30u"/0.76um Au OVER 50u"/1.27um Ni ON CONTACT AREA
78u"/2.00um Sn OVER 50u"/1.27um Ni ON TERMINATION AREA.
POWER CONTACTS: 50u"/1.27um Ni UNDER ALL WITH 30u"/0.76um Au ON CONTACT AREA
AND 78u"/2.00um Sn ON PCB INTERFACE

PART NUMBER 51760-10002004AALF MEETS EUROPEAN UNION DIRECTIVE
AND OTHER COUNTRY REGULATIONS AS DESCRIBED IN GS-22-008.

- (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.

PCB NOTES:

6. ALL HOLE DIAMETERS ARE FINISHED HOLE SIZE.

- (7.) MOUNTING HOLES, WHERE APPLICABLE, ARE UNPLATED.

- (8.) $\varnothing .0453 \pm .0010$ [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.

- (9.) "DIM XXX" TO BE DETERMINED BY THE CUSTOMER.

- (10.) CONNECTOR KEEP-OUT ZONE.

mat'l code				SEE NOTE 2				tolerances unless otherwise specified				CUSTOMER				A FCI www.fciconnect.com			
lfr		ecn no.		dr		date		linear		.XX $\pm$.01 / 0.X $\pm$ 0.3		projection		title					
A										.XXX $\pm$.005 / 0.XX $\pm$ 0.13				20S + 4P					
								angles		.XXX $\pm$.0020 / 0.XXX $\pm$ 0.051				R/A SOLDER RECEPTACLE					
										0° $\pm$ 2°				product family PwrBlade					
								dr		STEVEN WANG 04/06/05		INCH/MM		code					
								enrg		STEVEN WANG 04/06/05		scale		213					
								chr		VICTOR LIN 04/06/05		1:1		sheet					
								appd		JOSEPH HSIA 04/06/05				4 of 4					
sheet index		revision		sheet															

1 | 2

Pro/E

PDM: Rev: A

STAT: **Released**

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