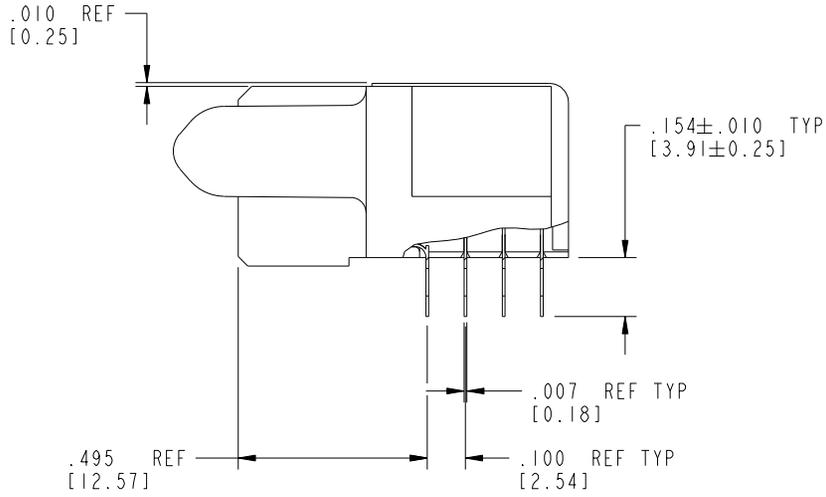


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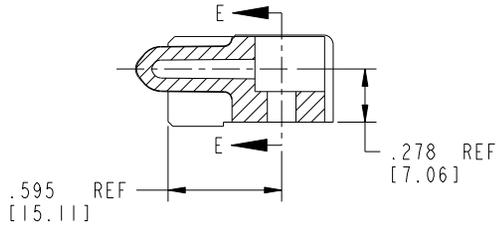
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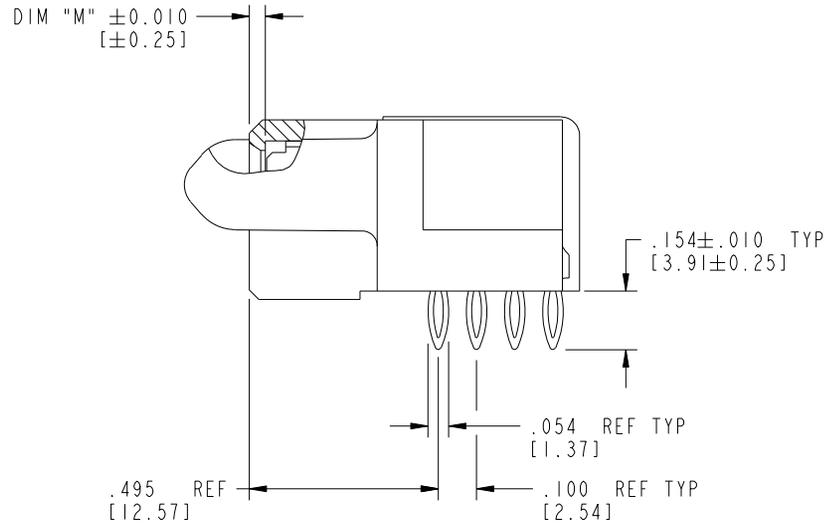
PRODUCT NUMBER
51866-021--
NOTE:③



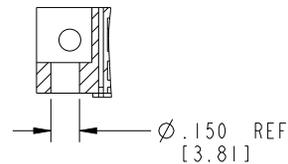
BROKEN-OUT SECTION A-A
SCALE 2:1



SECTION C-C



BROKEN-OUT SECTION B-B
SCALE 2:1



PARTIAL SECTION E-E

mat'l code		SEE NOTE 2		tolerances unless otherwise specified		CUSTOMER		FCI	
lfr	ecn no.	dr	date	linear	.XX±.01/0.X±0.3	COPY		www.fciconnect.com	
C				projection	.XXY±.005/0.XX±0.13	INCH/MM		title 7P + 32S + 7P	
				angles	.XXX±.0020/0.XXX±0.051	1:1		R/A PRESS-FIT RECEPTACLE	
				dr	0°±2°	scale		product family PwrBlade code 213	
				engr	T. BRUNGARD 10/20/03	A		size 51866-021 sheet 2 of 4	
				chr	M. GRAY 10/20/03				
				appd	M. GRAY 10/20/03				
sheet index	revision sheet								

cage code 2856

Pro/E

PDM: Rev: C

STATUS: Released

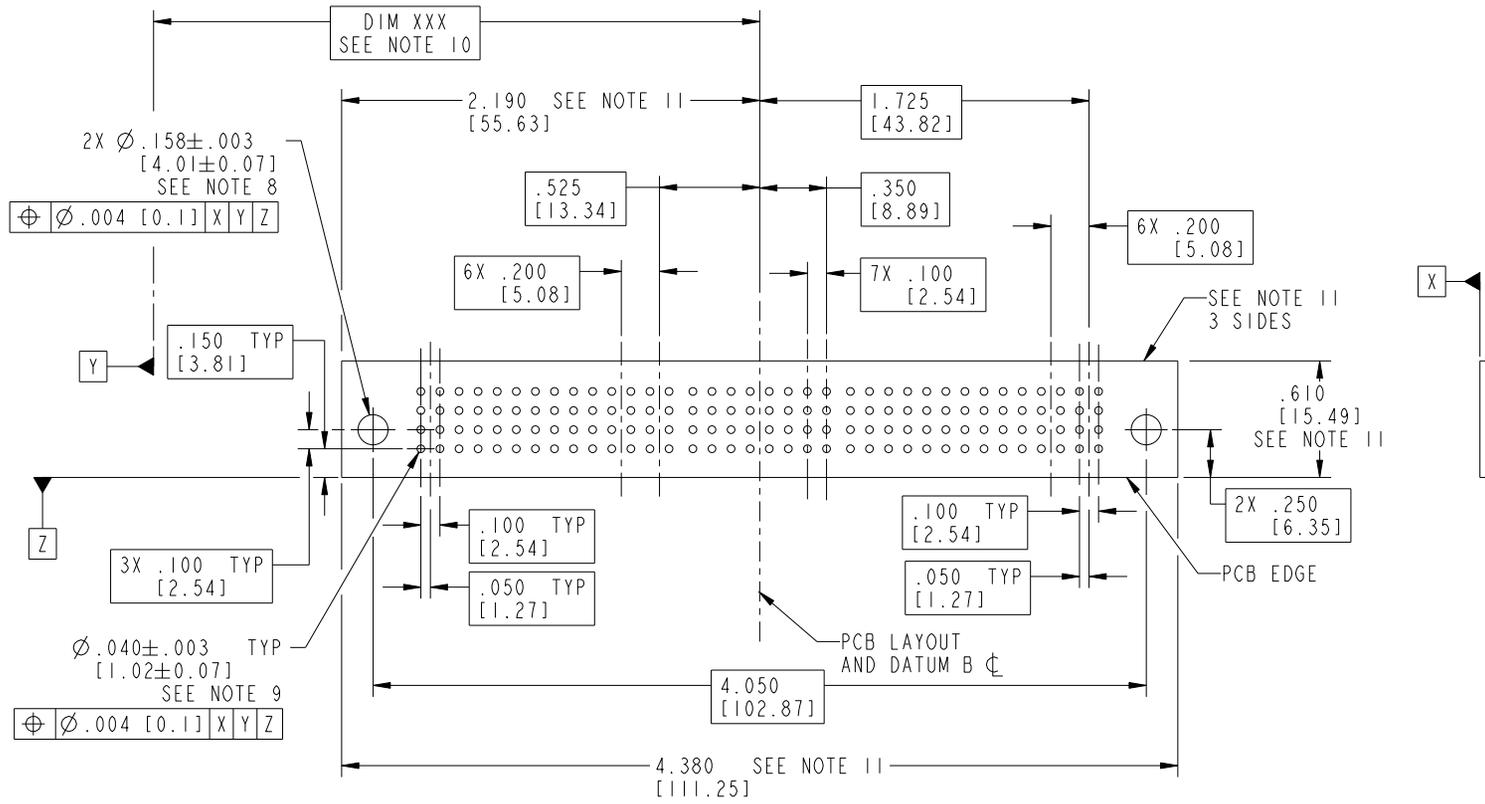
Printed: Dec 20, 2010

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PRODUCT NUMBER
51866-021--
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	.XXY±.005/0.XX±0.13 .XXX±.0020/0.XXX±0.051	projection		title 7P + 32S + 7P R/A PRESS-FIT RECEPTACLE	
				dr	0°±2°	INCH/MM		product family PwrBlade code 213	
				engr	T. BRUNGARD 10/20/03	scale		size dwg no 51866-021 sheet 3 of 4	
				chr	M. GRAY 10/20/03	1:1			
				appd	M. GRAY 10/20/03				
sheet index	revision sheet								

cage code 22526

Pro/E

PDM: Rev: C

STATUS: Released

Printed: Dec 20, 2010

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1 | 2

3

4

PRODUCT NUMBER
51866-021--
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 51866-021 AND 51866-021LF 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. USE FCI CAM TOOL 430140-XXX TO APPLY CONNECTOR TO PCB.

13. △ 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	
ltr	ecn no.	dr	date	linear	.XX ± .01 / 0.X ± 0.3	COPY		www.fciconnect.com	
C				projection	.XXX ± .005 / 0.XX ± 0.13	R/A PRESS-FIT RECEPTACLE		title 7P + 32S + 7P	
				angles	.XXX ± .0020 / 0.XXX ± 0.051	INCH/MM		product family PwrBlade code 213	
				dr	0° ± 2°	scale 1:1		size A 51866-021 sheet 4 of 4	
				enrg	T. BRUNGARD 10/20/03				
				chr	M. GRAY 10/20/03				
				appd	M. GRAY 10/20/03				
sheet index	revision sheet								

A

A

B

B

1 | 2

Pro/E

PDM: Rev: C

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Printed: Dec 20, 2010

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4

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