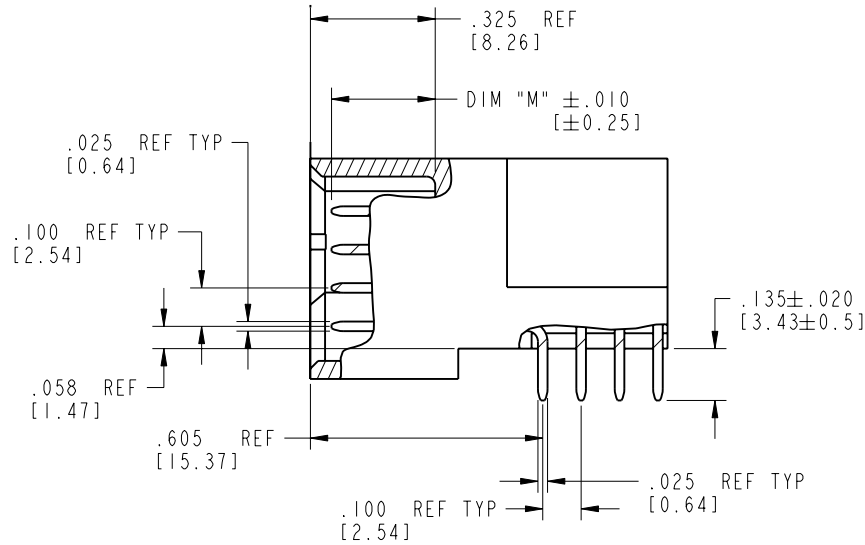


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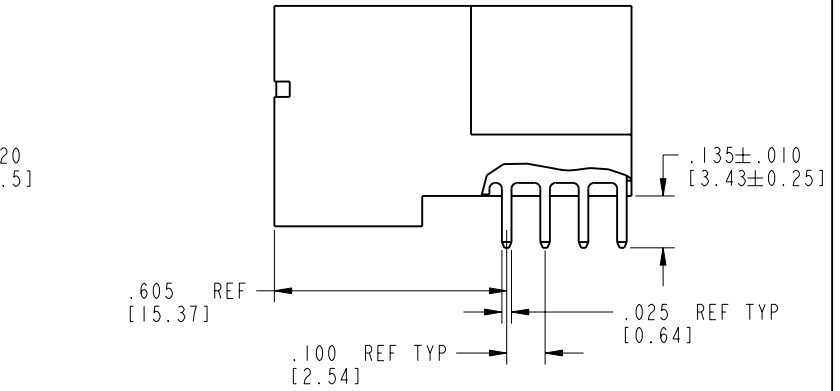
FCI

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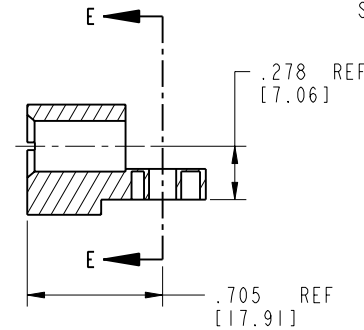
PRODUCT NUMBER
51730-080--
NOTE: 3



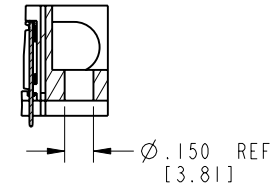
BROKEN-OUT SECTION A-A
SCALE 2:1



BROKEN-OUT SECTION B-B
SCALE 2:1



SECTION C-C



PARTIAL SECTION E-E

mat'l code				tolerances unless otherwise specified		CUSTOMER		A FCI	
SEE NOTE 2						COPY		www.fciconnect.com	
lfr	ecn no.	dr	date	linear	.XX±.01/0.X±0.3	projection	INCH/MM	title	7P + 28S + 7P
B					.XXX±.005/0.XX±0.13				
					.XXX±.0020/0.XXX±0.051				
				angles	0°±2°	scale	1:1	product family	PwrBlade
				dr	T. BRUNGARD 07/09/03				
				enrg	M. MOSTOLLER 07/09/03				
				chr	M. MOSTOLLER 07/09/03				
				appd	M. MOSTOLLER 07/09/03				
sheet index	revision sheet							size	dwg no
								A	51730-080
								code	213
								sheet	2 of 4

Pro/E

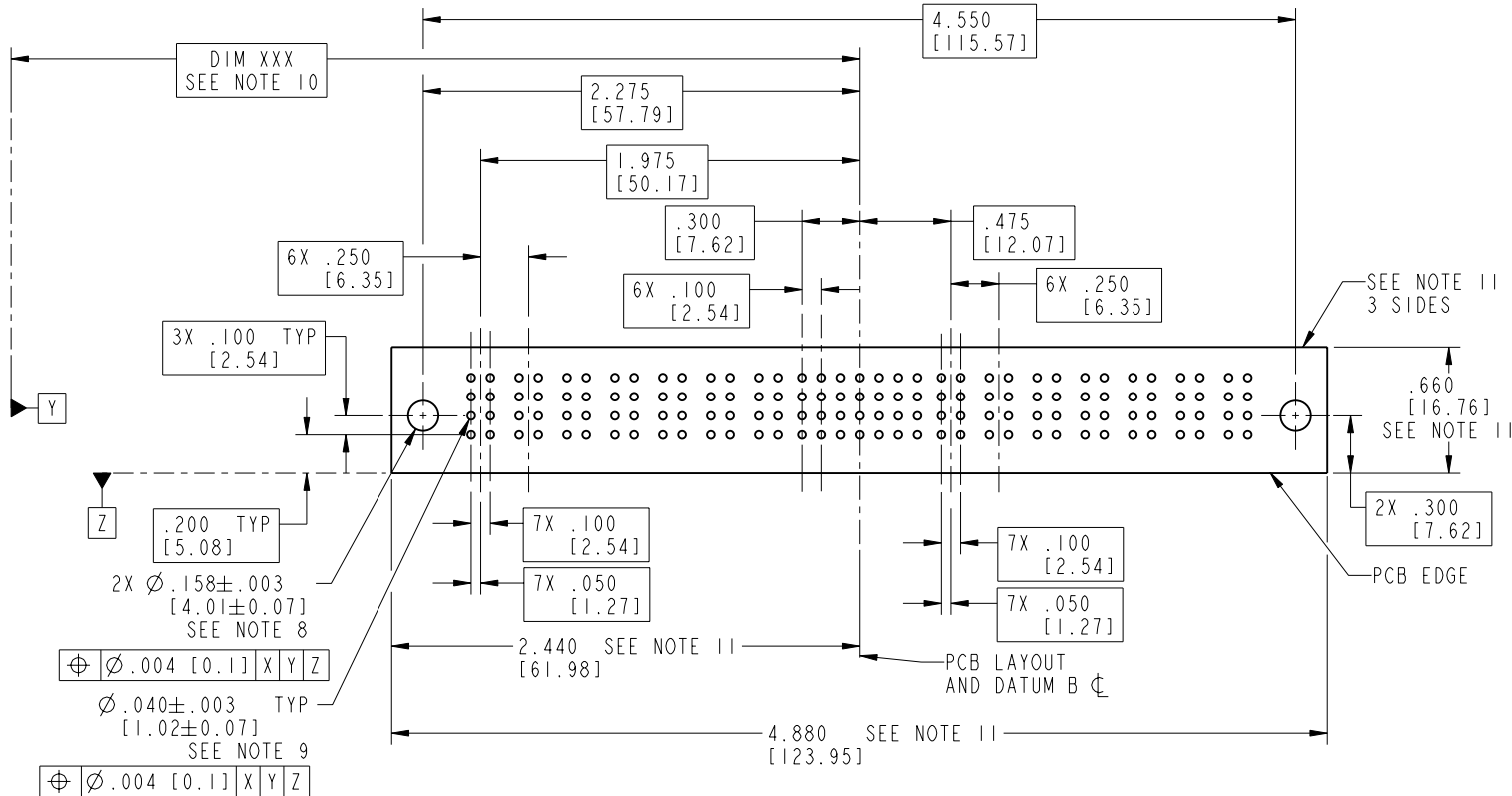
cage code 22526

PDM: Rev:B

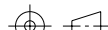
STATUS: Released

Printed: Aug 12, 2007

PRODUCT NUMBER
51730-080--
NOTE: 3



RECOMMENDED PCB LAYOUT

mat'l code				SEE NOTE 2		tolerances unless otherwise specified		CUSTOMER		 www.fciconnect.com	
lfr	ecn no.	dr	date	linear	.XX±.01/0.X±0.3		COPY			title	
B					.XXX±.005/0.XX±0.13		projection			7P + 28S + 7P	
					.XXX±.0020/0.XX±0.051		INCH/MM			RIGHT ANGLE SOLDER HEADER	
				angles	0°±2°		scale			product family	
				dr	T. BRUNGARD	07/09/03	size			PwrBlade	code
				enqr	M. MOSTOLLER	07/09/03	dwg no			213	sheet
				chr	M. MOSTOLLER	07/09/03			A	51730-080	
				appd	M. MOSTOLLER	07/09/03				3 of 4	
sheet index		revision sheet									

cage code 22526

Pro/E

PRODUCT NUMBER
51730-080__
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:

51730-080 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.

51730-080LF 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 51730-080LF MEETS EUROPEAN UNION DIRECTIVE AND 10THER 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				tolerances unless otherwise specified		CUSTOMER		FCI			
lfr	ecn no.	dr	date			COPY		www.fciconnect.com			
B				linear	.XX $\pm$.01/0.X $\pm$ 0.3	projection		title 7P + 28S + 7P			
					.XXX $\pm$.005/0.XX $\pm$ 0.13			RIGHT ANGLE SOLDER HEADER			
				angles	.XXX $\pm$.0020/0.XXX $\pm$ 0.051						
					0° $\pm$ 2°			product family PwrBlade code 213			
				dr	T. BRUNGARD 07/09/03						
				engr	M. MOSTOLLER 07/09/03	scale 1:1		size dwg no A 51730-080 sheet 4 of 4			
				chr	M. MOSTOLLER 07/09/03						
				appd	M. MOSTOLLER 07/09/03						
sheet index		revision sheet									

cage code 22526

Pro/E

3

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