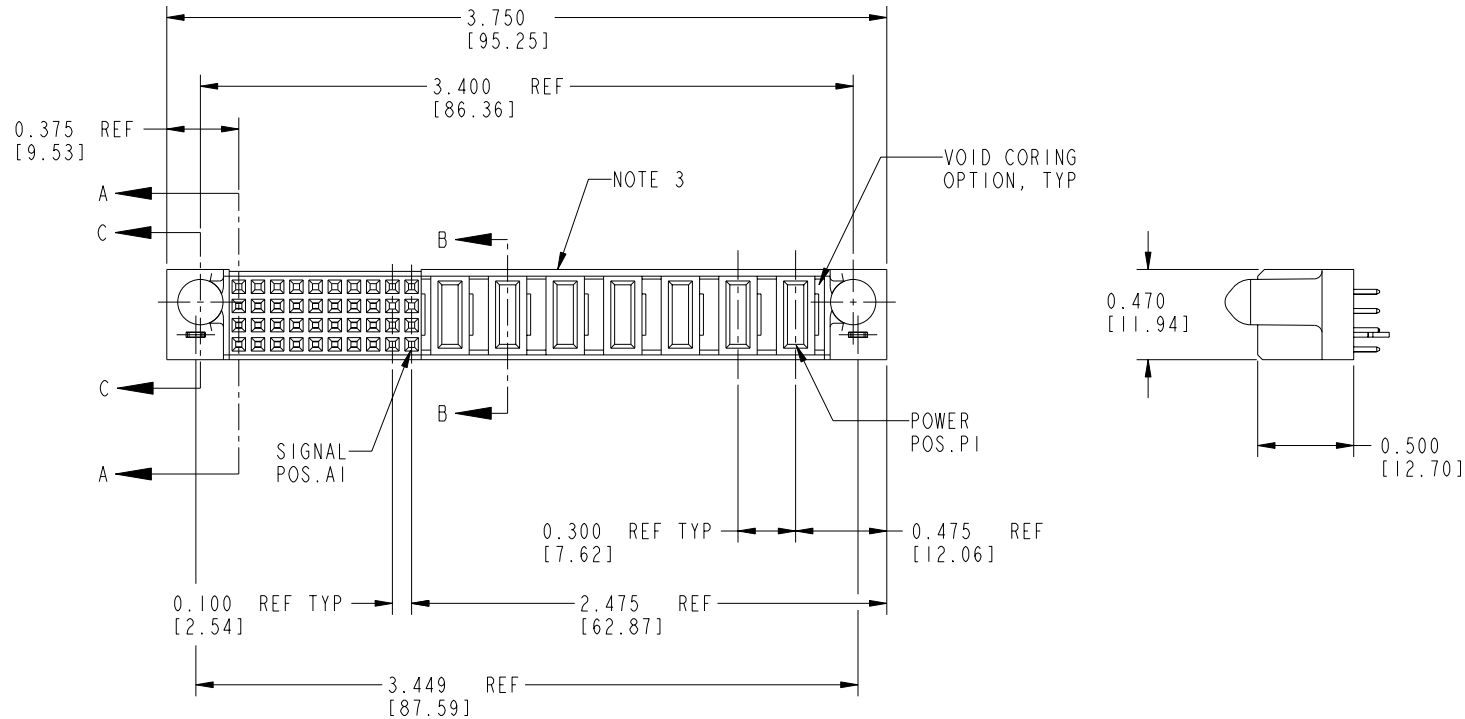


PRODUCT No.	ROWS		SIGNAL										POWER																																																																																																																																																																																			
		E2	10	9	8	7	6	5	4	3	2	1	P7	P6	P5	P4	P3	P2	P1	E1																																																																																																																																																																												
51658-001 - NOTE: ②	D	 HA	X	X	X	X	X	X	X	X	X	 HA	 HA	 HA	 HA	 HA	 HA	 HA	 HA	 HA	 HA	 HA	 HA	 HA	 HA	 HA	 HA	 HA	 HA	 HA	 HA	 HA	 HA	 HA	 HA	 HA	 HA	 HA	 HA	 HA	 HA	 HA	 HA	 HA	 HA	 HA	 HA	 HA	 HA	 HA	 HA	 HA	 HA	 HA	 HA	 HA	 HA	 HA	 HA	 HA	 HA	 HA	 HA	 HA	 HA	 HA	 HA	 HA	 HA	 HA	 HA	 HA	 HA	 HA	 HA	 HA	 HA	 HA	 HA	 HA	 HA	 HA	 HA	 HA	 HA	 HA	 HA	 HA	 HA	 HA	 HA	 HA	 HA	 HA	 HA	 HA	 HA	 HA	 HA	 HA	 HA	 HA	 HA	 HA	 HA	 HA	 HA	 HA	 HA	 HA	 HA	 HA	 HA	 HA	 HA	 HA	 HA	 HA	 HA	 HA	 HA	 HA	 HA	 HA	 HA	 HA	 HA	 HA	 HA	 HA	 HA	 HA	 HA	 HA	 HA	 HA	 HA	 HA	 HA	 HA	 HA	 HA	 HA	 HA	 HA	 HA	 HA	 HA	 HA	 HA	 HA	 HA	 HA	 HA	 HA	 HA	 HA	 HA	 HA	 HA	 HA	 HA	 HA	 HA	 HA	 HA	 HA	 HA	 HA	 HA	 HA	 HA	 HA	 HA	 HA	 HA	 HA	 HA	 HA	 HA	 HA	 HA	 HA	 HA	 HA	 HA	 HA	 HA	 HA	 HA	 HA	



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CODE	DIM "M" ±0.010 [0.25]	CONTACT TYPE
E	N/A [N/A]	SIGNAL
PA	0.042 [1.07]	POWER
PD	0.092 [2.34]	POWER
HA	N/A [N/A]	HOLD-DOWN
X	OMITTED	OMITTED

mat'l code				SEE NOTES		tolerances unless otherwise specified		CUSTOMER		FCI		www.fciconnect.com	
ltr	ecn no.	dr	date										
A	V02392	JRW	10-09-00	linear		.XX±.01/.X±.3		COPY					
B	V02939	CGD	12-19-00			.XXX±.005/.XX±.13		projection					
C	DG05-0301	CS	08/29/05	angles		.XXX±.0020/.XXX±.051		INCH / MM					
						0°±2°		scale					
				dr	C. BAROT	05-11-99							
				enrg	J. BROWN	05-11-99							
				chr	J. BROWN	05-11-99							
				appd	J. BROWN	05-11-99							
sheet index	revision sheet	C	C										
		1	2										

Pro/E

cage code 22526

PDM: Rev:C

STATUS: Released

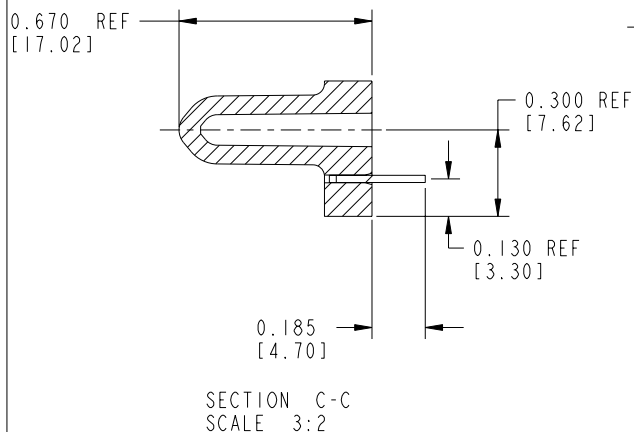
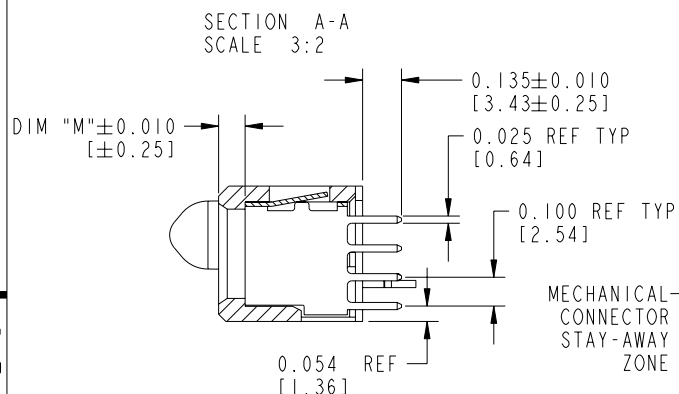
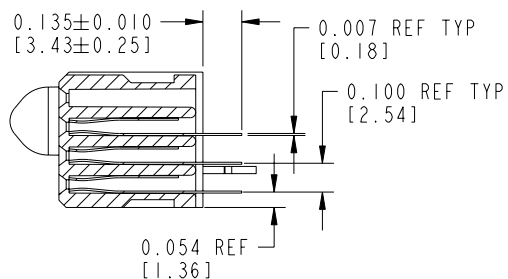
Printed: Dec 20, 2010

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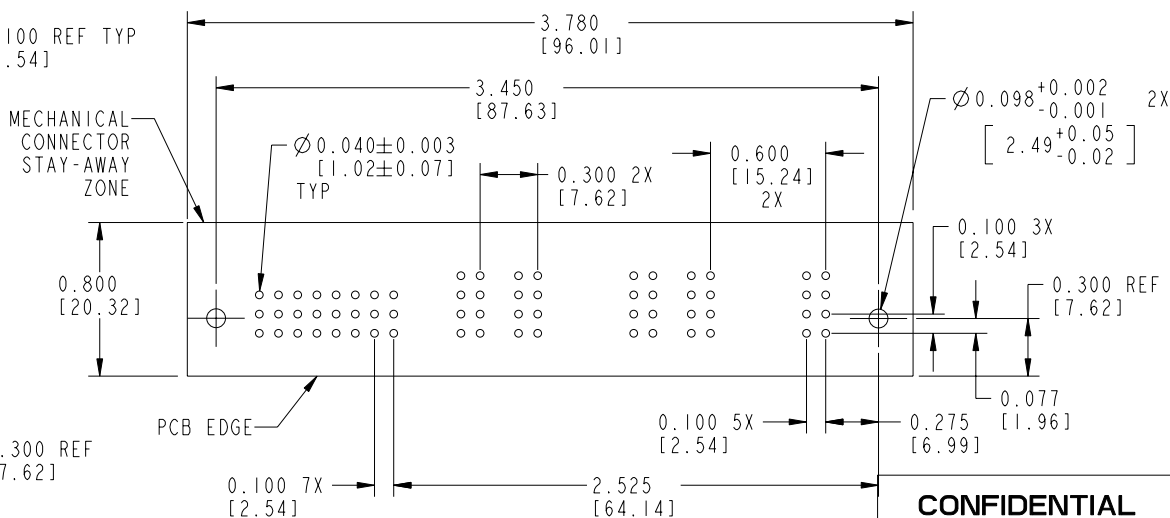
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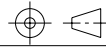
PRODUCT NUMBER
51658-001--
NOTE: ②



RECOMMENDED PCB LAYOUT



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mat'l code				SEE NOTES		tolerances unless otherwise specified		CUSTOMER		 www.fciconnect.com	
ltr	ecr no.	dr	date					COPY			
C				linear		.XX±.01/.X±.3		projection		title	7P + 40S
						.XXX±.005/.XX±.13				VERTICAL SOLDER RECEPTACLE	
				angles		.XXXX±.0020/.XXX±.051		INCH / MM		product family	PWRBLADE
				dr	C. BAROT	05-11-99		scale	2:1	size	dwg no
				enr	J. BROWN	05-11-99				A	51658
				chr	J. BROWN	05-11-99					code
				appd	J. BROWN	05-11-99					213
sheet index		revision sheet									sheet 2 of 3

Pro/E

cage code 22526

PDM: Rev:C

STATUS: Released

Printed: Dec 20, 2010

A

A

FCI

B

PRODUCT NUMBER		51658-001--		NOTE: ②	
CONNECTOR NOTES:					
①. HOUSING MATERIAL: UL 94 V-O GLASS FILLED HIGH TEMP THERMOPLASTIC SIGNAL CONTACT MATERIAL: COPPER ALLOY POWER CONTACT MATERIAL: COPPER ALLOY					
②. PLATING:					
51658-001 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.					
51658-001LF 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 51658-001LF 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.					
3. MANUFACTURER NAME, P/N AND DATE CODE TO APPEAR ON THIS SURFACE.					
4. PRODUCT SPECIFICATION GS-12-149					
PCB NOTES:					
5. ALL DIMENSIONS ARE BASIC UNLESS OTHERWISE SPECIFIED.					
6. ALL THROUGH HOLES ARE LOCATED WITH A TRUE POSITION OF 0.004 [0.10]					
7. ALL HOLE DIAMETERS ARE FINISHED HOLE SIZE					
8. Ø0.098 [2.49] THROUGH HOLES ARE UNPLATED					
9. Ø0.0453±0.0010 [1.151±0.025] DRILLED HOLES PLATED WITH 0.0003 [0.008] MIN SnPb OVER 0.001 [0.03] TO 0.003 [0.08] Cu PLATING TO ACHIEVE A Ø0.040±0.003 [1.02±0.07] HOLE					
CONFIDENTIAL					
mat'l code		SEE NOTES		tolerances unless otherwise specified	
lfr	ecr no.	dr	date	.XX±.01/.X±.3	
C				linear	.XXX±.005/.XX±.13
				angles	.XXX±.0020/.XXX±.051
					0°±2°
		dr	C. BAROT	05-11-99	INCH/MM scale 1:1
		enr	J. BROWN	05-11-99	
		chr	J. BROWN	05-11-99	
		appd	J. BROWN	05-11-99	
sheet index	revision sheet				
CUSTOMER		COPY		 www.fciconnect.com	
title		7P + 40S		VERTICAL SOLDER RECEPTACLE	
product family		PwrBlade		code 213	
size		dwg no		sheet 3 of 3	
A		51658			
cage code		22526		4	

A

B