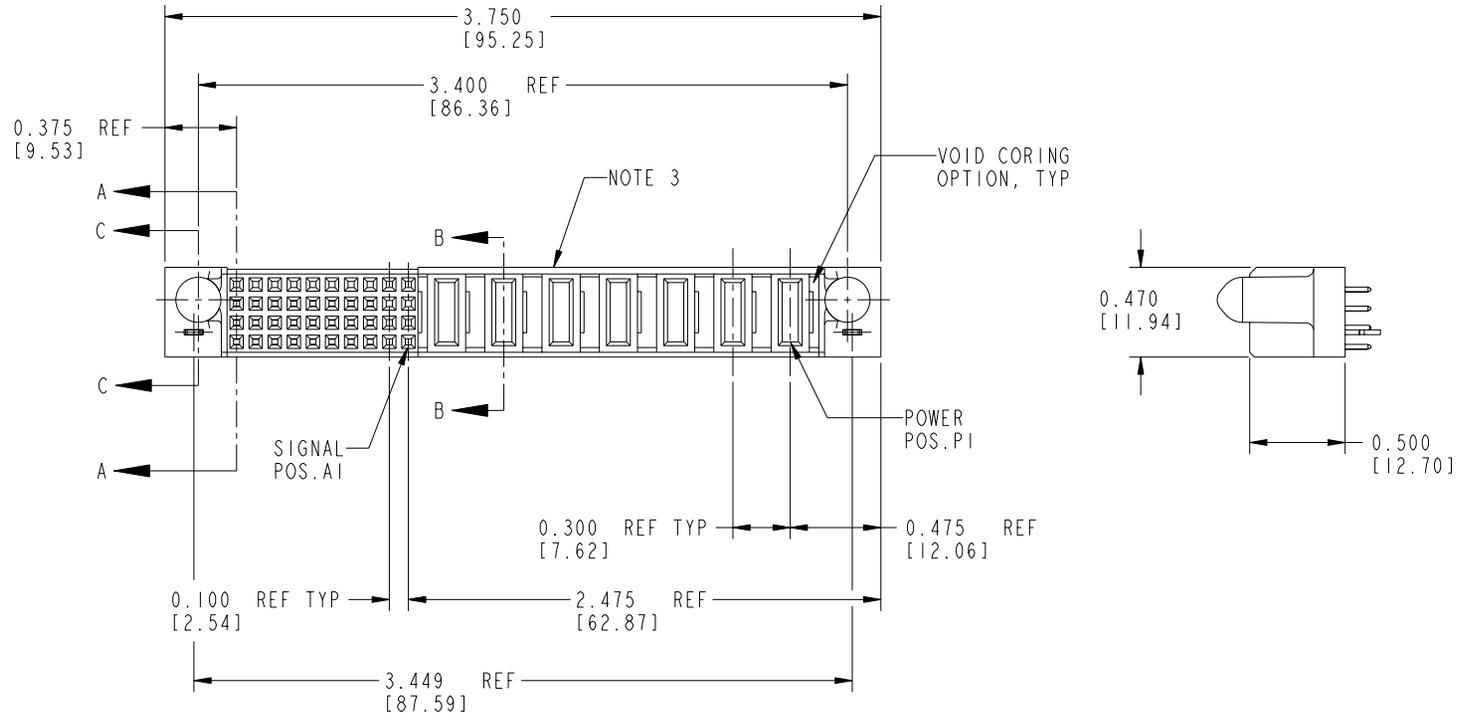


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PRODUCT No.	ROWS	SIGNAL										POWER								
		E2	10	9	8	7	6	5	4	3	2	1	P7	P6	P5	P4	P3	P2	P1	E1
51658-001-- NOTE: ②	D	X	X	X	X	X	X	X	X	X	X									
	C	E	E	E	E	E	E	E	E	E	X		PD	PD	X					
	B	E	E	E	E	E	E	E	E	E	X									
	A	E	E	E	E	E	E	E	E	E	X									



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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	
ltr	ecn no.	dr	date	linear	.XX±.01/.X±.3	projection	COPY		
A	V02392	JRW	10-09-00	angles	.XXX±.005/.XX±.13	INCH / MM	title 7P + 40S		
B	V02939	CGD	12-19-00		.XXX±.0020/.XXX±.051	scale	VERTICAL SOLDER RECEPTACLE		
C	DG05-0301	CS	08/29/05		0°±2°	1:1	product family PwrBlade		code 213
				dr	C. BAROT 05-11-99		size	dwg no	sheet 1 of 3
				engr	J. BROWN 05-11-99		A	51658	
				chr	J. BROWN 05-11-99				
				appd	J. BROWN 05-11-99				
sheet index	revision sheet	C	C						
		1	2						

cage code 22526

Pro/E

PDM: Rev:C

STATUS: **Released**

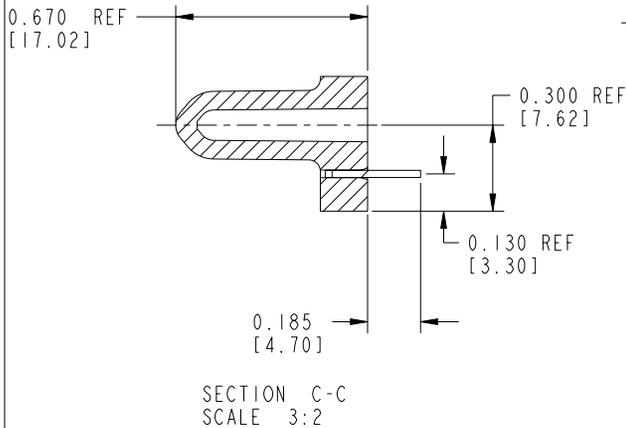
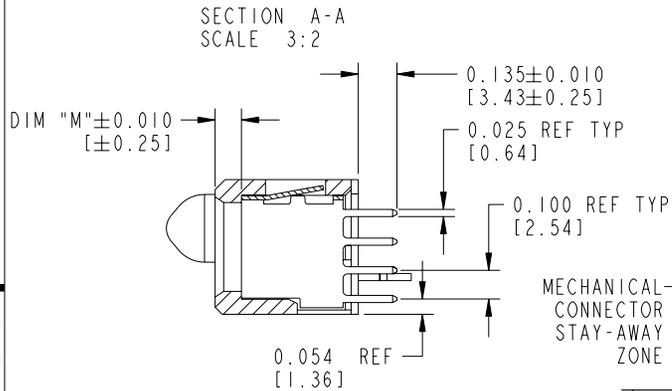
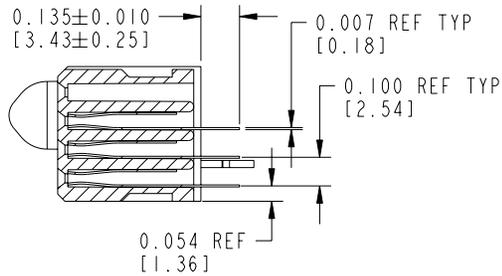
Printed: Dec 20, 2010

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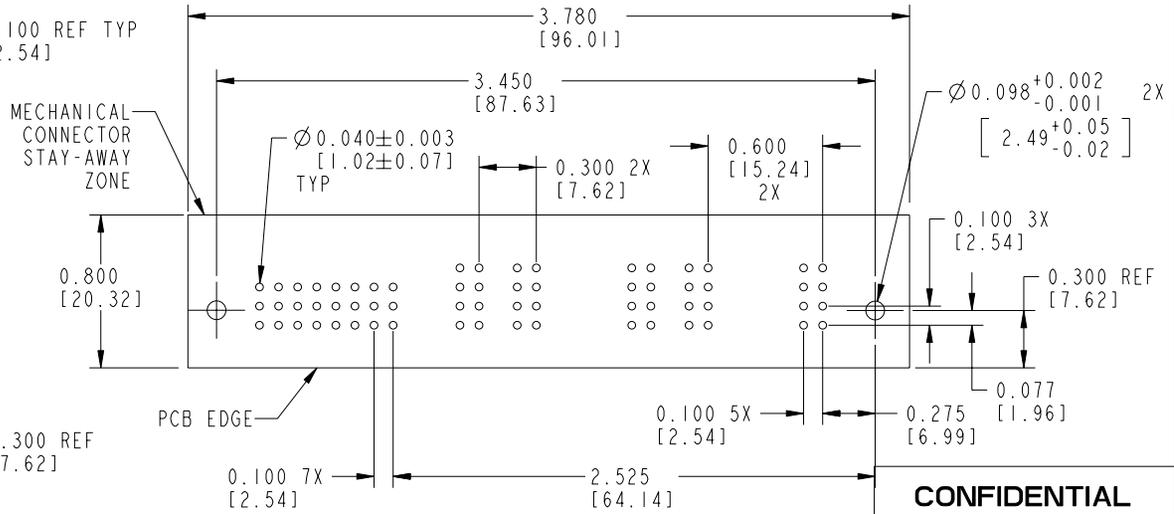
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PRODUCT NUMBER
51658-001--
NOTE: ②



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	linear	.XX±.01/.X±.3	projection	COPY		title		
C				angles	.XXX±.005/.XX±.13		7P + 40S		VERTICAL SOLDER RECEPTACLE		
				dr	.XXX±.0020/.XXX±.051		INCH / MM		product family		code
				enr	0°±2°	scale	2:1		PWRBLADE		213
				chr			A		size		sheet
				appd			51658		dwg no		2 of 3
sheet index		revision sheet									

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A
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A

A

PRODUCT NUMBER

51658-001__
NOTE: ②

CONNECTOR NOTES:

- ①. HOUSING MATERIAL: UL 94 V-0 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

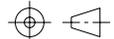
PCB NOTES:

- 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]

B

B

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mat'l code		SEE NOTES		tolerances unless otherwise specified		CUSTOMER		 FCI www.fciconnect.com	
ltr	ecn no.	dr	date	linear	.XX±.01/.X±.3	COPY			
C				projection	.XXX±.005/.XX±.13			title 7P + 40S VERTICAL SOLDER RECEPTACLE	
				angles	.XXX±.0020/.XX±.051			product family PwrBlade code 213	
		dr	C. BAROT 05-11-99	scale	0°±2°	1:1		size 51658 sheet 3 of 3	
		enr	J. BROWN 05-11-99						
		chr	J. BROWN 05-11-99						
		appd	J. BROWN 05-11-99						
sheet index	revision sheet								

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3

4

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