

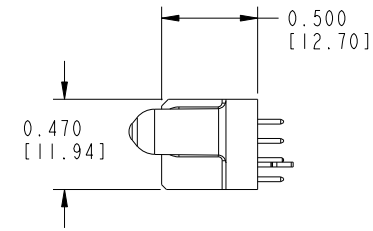
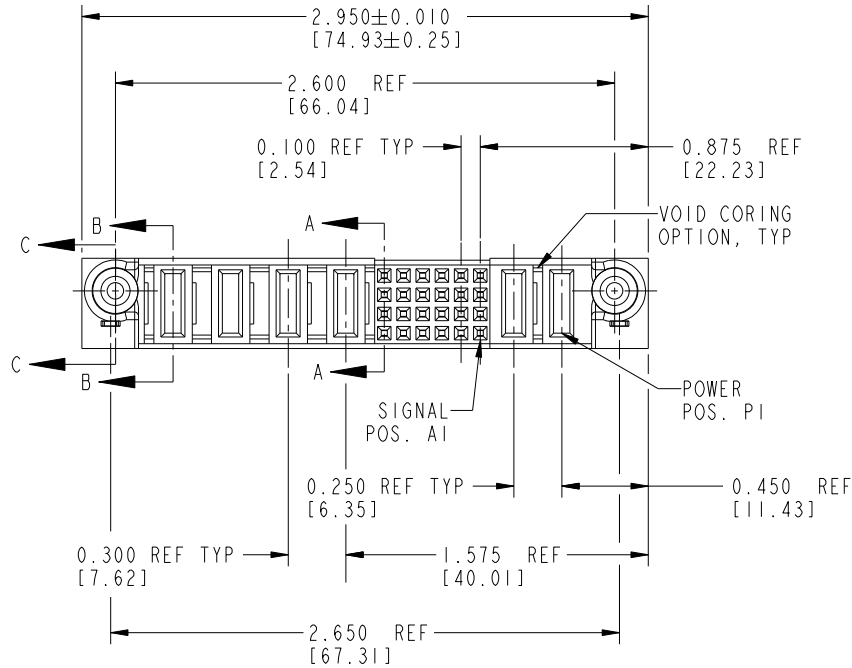
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CODE	CONTACT TYPE
E	SIGNAL
PA	POWER
HA	HOLD-DOWN

PRODUCT No.	ROWS		POWER				SIGNAL					POWER			
		E2	P6	P5	P4	P3	6	5	4	3	2	1	P2	P1	E1
51863-001-- NOTE: 2	D C B A		PA	PA	PA	PA	E	E	E	E	E	E	PA	PA	



CONFIDENTIAL

mat'l code				NOTE 1		tolerances unless otherwise specified		CUSTOMER		FCI			
ltr	ecn no.	dr	date					COPY		www.fciconnect.com			
A	V11143	CGD	12/09/05	linear		.xx±.01/0.X±0.3		projection		title			
B	DG05-0530	GuoJM	12/09/05			.xxx±.005/0.XX±0.13				2P + 24S + 4ACP			
C	DG08-0251	W D	09/16/08	angles		.xxx±.0020/.xxx±.051		INCH/MM		VERTICAL SOLDERTAIL RECEPTACLE			
						0°±2°		scale		product family PwrBlade			
				dr	C. DAILY	12/09/05		1:1		size			
				enrg	J. ALLISON	03/30/01				dwg no			
				chr	J. ALLISON	03/30/01				A 51863-001			
				appd	J. ALLISON	03/30/01				code			
sheet index		revision	C	C						213			
		sheet	1	2	3					sheet 1 of 3			

Pro/E

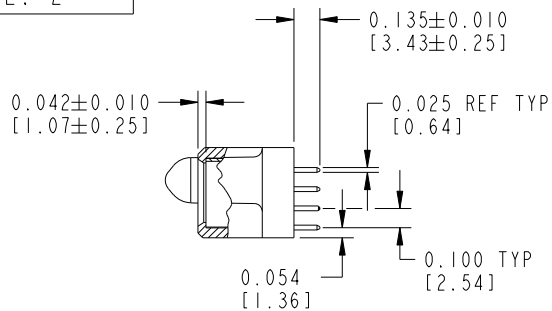
PDM: Rev:C

STATUS: Released

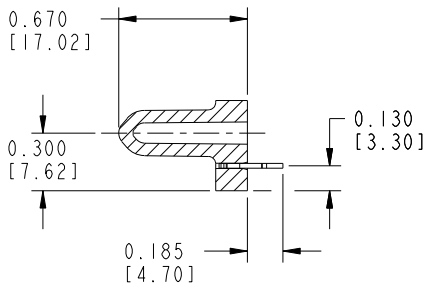
Printed: Dec 20, 2010



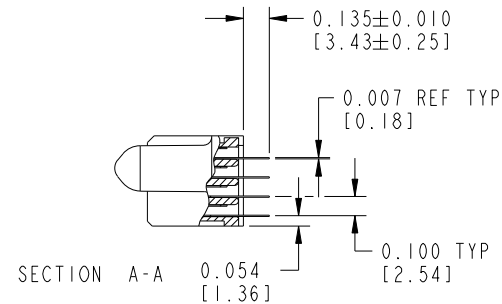
PRODUCT NUMBER
51863-001--
NOTE: 2



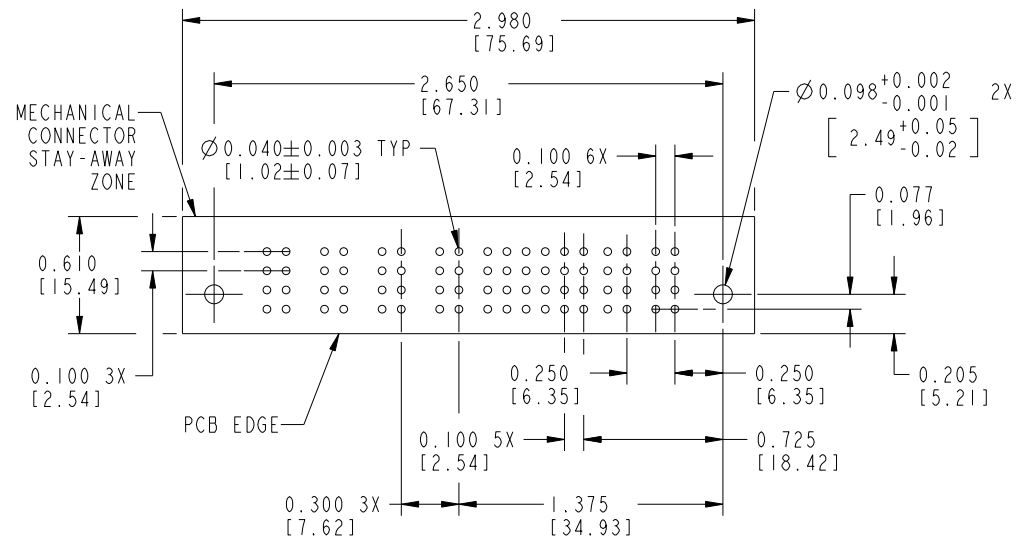
SECTION B-B



SECTION C-C



SECTION A-A



RECOMMENDED PCB LAYOUT

mat'l code				NOTE 1		tolerances unless otherwise specified		CUSTOMER		FCI	
ltr	ecn no.	dr	date			.XX±.01/0.X±0.3		COPY		www.fciconnect.com	
C				linear		.XXX±.005/0.XX±0.13		projection		title	
						.XXX±.0020/.XXX±.051				2P + 24S + 4ACP	
				angles		0°±2°		INCH/MM		VERTICAL SOLDER TAIL RECEPTACLE	
				dr	C. DAILY	12/09/05		scale		product family PwrBlade	
				enrg	J. ALLISON	03/30/01		1:1		size dwg no	
				chr	J. ALLISON	03/30/01				51863-001	
				appd	J. ALLISON	03/30/01				code	
sheet index		revision sheet								213	
										sheet	
										2	

1 | 2

3 |

4

PRODUCT NUMBER
51863-001--
NOTE: 2

CONNECTOR NOTES:

- HOUSING MATERIAL: UL 94 V-0 GLASS FILLED HIGH-TEMP THERMOPLASTIC
POWER CONTACT MATERIAL: COPPER ALLOY
SIGNAL PIN MATERIAL: COPPER ALLOY

△ 2. SEE ITEM 5 & 6 IN PRINT 10064183 FOR PLATING SPEC OF 51863-001 AND 51863-001LF RESPECTIVELY.

PCB NOTES:

- ALL DIMENSIONS ARE BASIC UNLESS OTHERWISE SPECIFIED.
- ALL THROUGH HOLES ARE LOCATED WITH A TRUE POSITION OF 0.004 [0.10]
- ALL HOLE DIAMETERS ARE FINISHED HOLE SIZE
- Ø0.098 [2.49] THROUGH HOLES ARE UNPLATED
- 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.
- A △ SYMBOL WILL BE NEXT TO ANY DIMENSION, VIEW, OR NOTE WHICH HAS BEEN MODIFIED WITH THE CURRENT DRAWING REVISION.

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mat'l code				NOTE 1		tolerances unless otherwise specified		CUSTOMER		FCI			
ltr	ecn no.	dr	date					COPY		www.fciconnect.com			
C				linear		.XX±.01/0.X±0.3		projection		title 2P + 24S + 4ACP			
						.XXX±.005/0.XX±0.13				VERTICAL SOLDER TAIL RECEPTACLE			
				angles		.XXX±.0020/.XXX±.051				product family PwrBlade			
						0°±2°				code 213			
				dr	C. DAILY	12/09/05		INCH/MM		size			
				enrg	J. ALLISON	03/30/01				dwg no			
				chr	J. ALLISON	03/30/01		scale		A 51863-001			
				appd	J. ALLISON	03/30/01		1:1		sheet 3			
sheet index		revision sheet											

1 | 2

Pro/E

PDM: Rev:C

STATUS: Released

Printed: Dec 20, 2010

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[51863-001LF](#)