

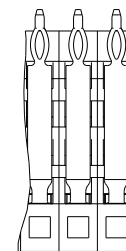
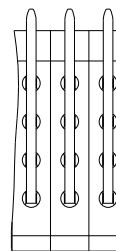
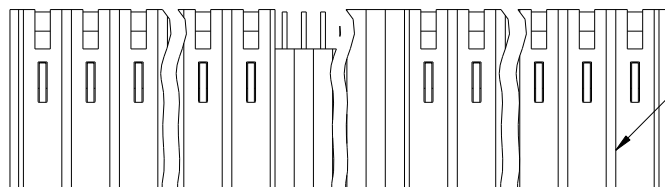
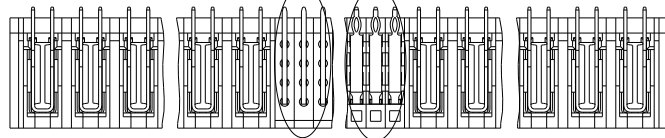
PRODUCT NUMBER

51724-ABBCCDDE0_

SEE NOTE 1

SEE DETAIL A

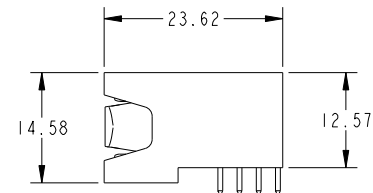
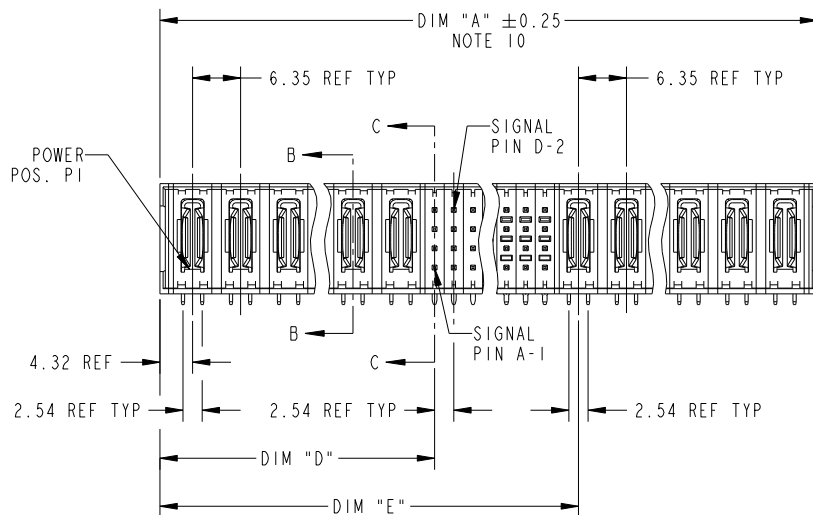
SEE DETAIL B



M DETAIL A
SCALE 2:1
FOR SOLDER TO BOARD ONLY

M DETAIL B
SCALE 2:1
FOR PRESS FIT ONLY

SEE NOTE 9



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spec ref	*	dr	X Q Wang	2010/11/17	projection 	MM ←→	size	A4	scale	1:1
tolerance std	ASME Y14.5	eng	Ruan MT	2015/09/30			ecn no	ELX-DG-21593-1		
TOLERANCES UNLESS OTHERWISE SPECIFIED		chr	Fancy Zhang	2015/09/30			rel level	Released		
surface	✓	appr	Pei-Ming Zheng	2015/09/30	product family	PwrBlade	dwg no	51724	rev	M
ASME Y14.5	linear	0.X	±0.5	FCI www.fci.com	title		R/A HEADER W/O GUIDE PIN		cat. no.	Product - Customer Drw
		0.XX	±0.25		POWER / SIGNAL / POWER		sheet 1 of 3			
	angular	0°	±2°		PDS: Rev :M		STATUS:Released			

PRODUCT NUMBER	DIM	LENGTH FORMULAS (SEE NOTE 10)
51724-ABBCCDDDE0_	DIM "A"	$6.35 \times BB + 2.54 \times (CCC/4) + 6.35 \times DD + 2.29$ (NOTE 10)
SEE NOTE 1	DIM "D"	$6.35 \times BB + 2.41$
	DIM "E"	$6.35 \times BB + 2.54 \times (CCC/4) + 4.32$
	DIM "F"	$6.35 \times BB + 2.54 \times (CCC/4) + 6.35 \times DD + 3.05$
	DIM "G"	$6.35 \times BB - 0.64$
	DIM "H"	$6.35 \times BB + 2.54 \times (CCC/4)$

CONNECTOR NOTES

- ①. PRODUCT NUMBER CODE:
 51724 - A BB CCC DD E 0 LF
- NO THIS SUFFIX: 100u"/2.54um SnPb ON PCB INTERFACE
 - ADD THIS SUFFIX: 78u"/2.00um Sn OR 5u" Au ON PCB INTERFACE
 - ALWAYS '0' (ZERO)(NOTE 8)
 - TAIL LENGTH (NOTE 7)
 - NUMBER OF RIGHT END POWER CONTACTS (NOTE 6)
 - NUMBER OF SIGNAL CONTACTS (NOTE 5)
 - NUMBER OF LEFT END POWER CONTACTS (NOTE 4)
 - PLATING (NOTE 3)
 - BASE NUMBER

- ⑧. BOARD RETENTION IS NOT AVAILABLE WITH GUIDELESS ENDS.
- ⑨. MANUFACTURE'S NAME, P/N, AND DATE CODE TO APPEAR ON THIS SURFACE.
- ⑩. THE MAXIMUM OVERALL LENGTH (DIM A) OF A PART IS 203.2
- 11. PRODUCT SPECIFICATION GS-12-149 APPLICATION SPECIFICATION BUS-20-067
- 12. REFERENCE 51697 FOR SELECT LOAD/FMLB WORKSHEET

PCB NOTES:

- 13. ALL DIMENSIONS ARE BASIC UNLESS OTHERWISE SPECIFIED.
- ⑭. ALL THROUGH HOLES ARE LOCATED WITH A TRUE POSITION OF 0.10
- 15. ALL HOLE DIAMETERS ARE FINISHED HOLE SIZE.
- ⑯. $\varnothing 1.151 \pm 0.025$ DRILLED HOLES PLATED WITH 0.008 MIN SnPb or Sn OVER 0.03 TO 0.08 Cu PLATING TO ACHIEVE A 1.02 ± 0.07 HOLE.
- 17. A $\triangle M$ SYMBOL WILL BE NEXT TO ANY DIMENSION, VIEW, OR NOTE WHICH HAS BEEN MODIFIED WITH THE CURRENT DRAWING REVISION.
- $\triangle M$ ⑱. CONNECTOR KEEP OUT ZONE

- ②. HOUSING MATERIAL: GLASS FILLED V-O HIGH TEMP THERMO PLASTIC.
 SIGNAL CONTACT MATERIAL: COPPER ALLOY
 POWER CONTACT MATERIAL: COPPER ALLOY
- ③. PLATING OPTION:
 1 = SEE PRINT 10064183 FOR PLATING SPEC OF 51724-IBBCC00E0; 51724-IBBCC00E0LF
- ④. LEFT END POWER CONTACTS, 01 THRU 19 AVAILABLE.
 MAXIMUM OF 20 POWER CONTACTS PER CONNECTOR.
- ⑤. SIGNAL CONTACTS, 004 TO 148 AVAILABLE.
- ⑥. RIGHT END POWER CONTACTS, 01 TO 19 AVAILABLE.
 MAXIMUM OF 20 POWER CONTACTS PER CONNECTOR.

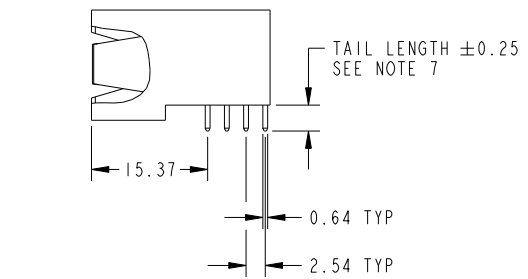
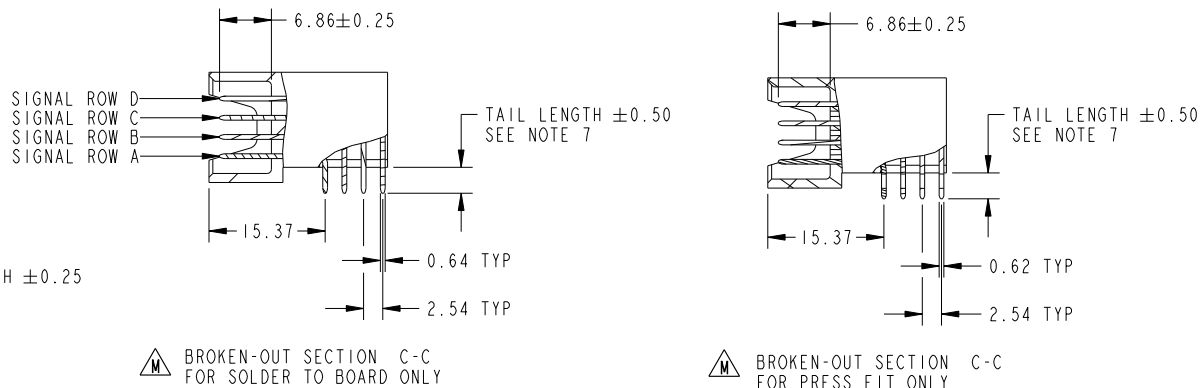
- $\triangle M$ ⑦. TAIL LENGTH:
 A = 3.43 SOLDER TO BOARD
 B = 4.19 SOLDER TO BOARD
 C = 3.43 PRESS FIT
 D = 2.34 SOLDER TO BOARD

dr	X Q Wang	2010/11/17	projection 	MM 	size	A4	scale	1:1
eng	Ruan MT	2015/09/30			ecn no	ELX-DG-21593-1		
chr	Fancy Zhang	2015/09/30			rel level	Released		
appr	Pei-Ming Zheng	2015/09/30	product family	PwrBlade	rev	51724		
		title	R/A HEADER W/O GUIDE PIN			dwg no	M	
www.fci.com		cat. no.	Product - Customer Drw			sheet 2 of 3		

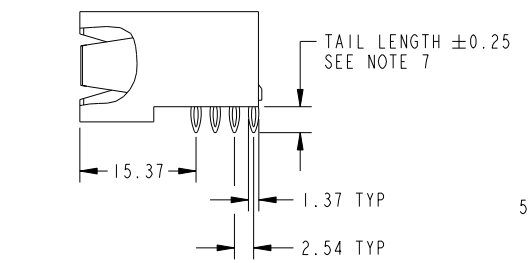
PRODUCT NUMBER

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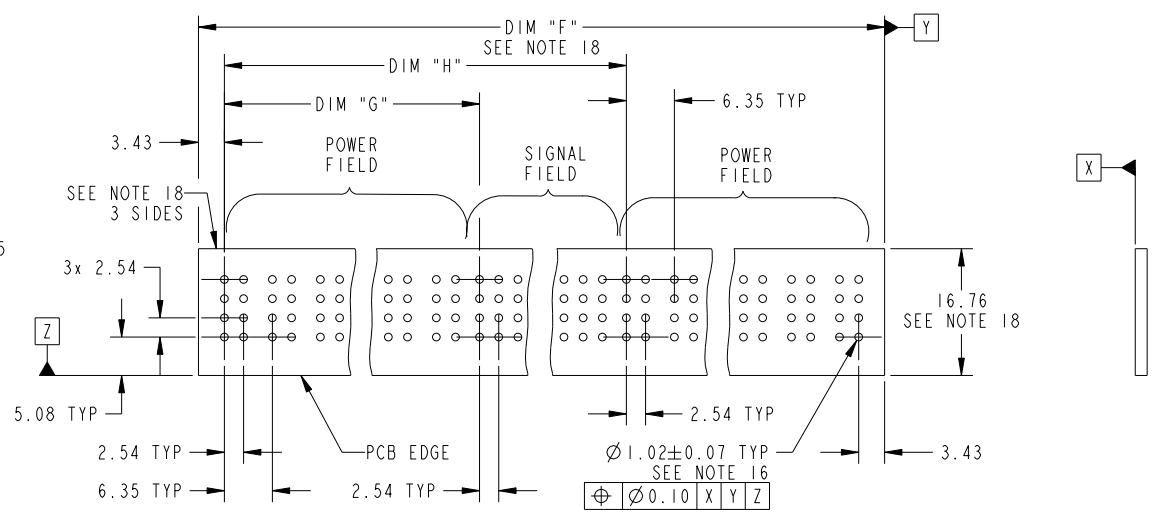
SEE NOTE 1



BROKEN-OUT SECTION B-B FOR SOLDER TO BOARD ONLY



BROKEN-OUT SECTION B-B FOR PRESS FIT ONLY



RECOMMENDED PCB LAYOUT

dr	X Q Wang	2010/11/17	projection 	MM 	size	A4	scale	1:1	
eng	Ruan MT	2015/09/30			ecn no	ELX-DG-21593-1			
chr	Fancy Zhang	2015/09/30			rel level	Released			
appr	Pei-Ming Zheng	2015/09/30	product family	PwrBlade					
		title	R/A HEADER W/O GUIDE PIN		dwg no	51724		rev	M
www.fci.com		cat. no.	Product - Customer Drw		sheet 3 of 3				



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