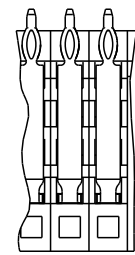
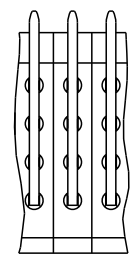
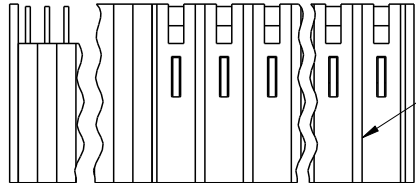
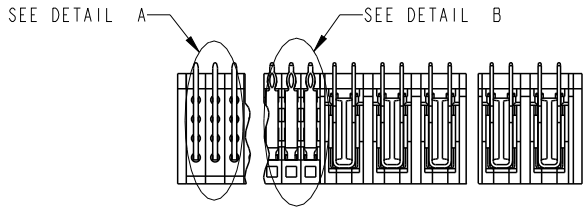




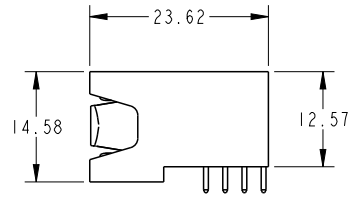
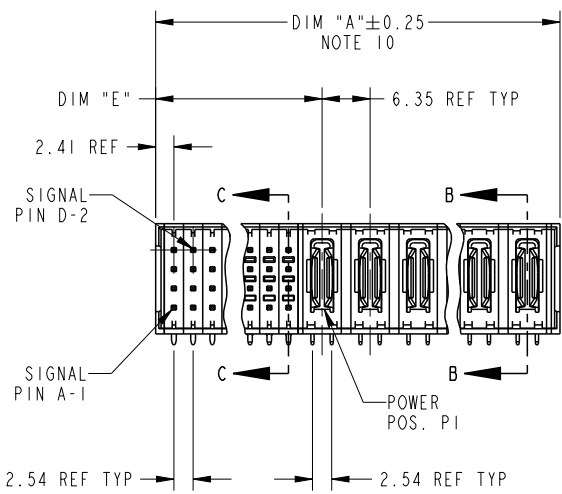
Copyright FCI.

PRODUCT NUMBER
51725-A00CCCDDE0_..
SEE NOTE 1



DETAIL A
SCALE 2:1
FOR SOLDER TO BOARD ONLY

DETAIL B
SCALE 2:1
FOR PRESS FIT ONLY



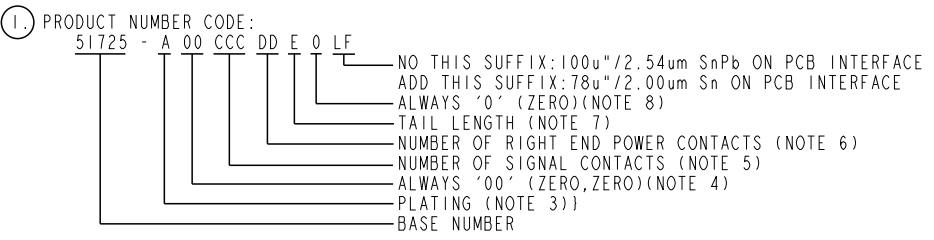
spec ref		*		dr		w wcadmin		2007/01/29		projection		MM		size		A4		scale		1:1	
tolerance std		TOLERANCES UNLESS OTHERWISE SPECIFIED		eng		Ruan MT		2015/09/30						ecn no		ELX-DG-21593-1					
ASME Y14.5				chr		Fancy Zhang		2015/09/30													
				appr		Pei-Ming Zheng		2015/09/30													
										product family		PwrBlade		rel level		Released					
surface		linear		0.X		±0.5				title		R/A HEADER W/O GUIDE PIN		dwg no		51725		rev		M	
ASME Y14.5				0.XX		±0.25															
				0.XXX		±0.100															
		angular		0°		±2°		www.fci.com		cat. no.		*		Product - Customer Drw		sheet 1 of 3					



Copyright FCI.

PRODUCT NUMBER		DIM	LENGTH FORMULAS (SEE NOTE 10)
51725-A00CCCDDE0--		DIM "A"	$2.54 \times (CCC/4) + 6.35 \times DD + 2.29$ (NOTE 10)
SEE NOTE 1		DIM "E"	$2.54 \times (CCC/4) + 4.32$
		DIM "F"	$2.54 \times (CCC/4) + 6.35 \times DD + 3.05$
		DIM "H"	$2.54 \times (CCC/4) + 0.64$

CONNECTOR NOTES



2. HOUSING MATERIAL: GLASS FILLED V-O HIGH TEMP THERMO PLASTIC.
SIGNAL CONTACT MATERIAL: PHOS BRONZE
POWER CONTACT MATERIAL: COPPER ALLOY
3. PLATING OPTION OPTIONS:
I = SEE PRINT 10064183 FOR PLATING SPEC OF 51725-100CCCDDE0; 51725-100CCCDDE0LF
4. THIS PART IS NOT AVAILABLE WITH LEFT SIDE POWER CONTACTS.
5. SIGNAL CONTACTS, 004 TO 148 AVAILABLE.
6. RIGHT END POWER CONTACTS, 01 TO 20 AVAILABLE.
MAXIMUM OF 20 POWER CONTACTS PER CONNECTOR.
7. TAIL LENGTH OPTIONS:
A = 3.43 SOLDER TO BOARD
B = 4.19 SOLDER TO BOARD
C = 3.43 PRESS FIT
D = 2.34 SOLDER TO BOARD

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  SYMBOL WILL BE NEXT TO ANY DIMENSION, VIEW, OR NOTE WHICH HAS BEEN MODIFIED WITH THE CURRENT DRAWING REVISION.
18. CONNECTOR KEEP OUT ZONE

dr	wcadmin	2007/01/29	projection	MM	size	A4	scale	1:1		
eng	Ruan MT	2015/09/30			ecn noELX-DG-21593-1					
chr	Fancy Zhang	2015/09/30								
appr	Pei-Ming Zheng	2015/09/30	product family		PwrBlade		rel level	Released		
		title			R/A HEADER W/O GUIDE PIN			dwg no		
		SIGNAL / POWER			51725			rev		
www.fci.com		cat. no.		*	Product - Customer Drw				sheet 2 of 3	
									M	

PRODUCT NUMBER

51725-A00CCCDDE0_..

SEE NOTE 1

SIGNAL ROW D
SIGNAL ROW C
SIGNAL ROW B
SIGNAL ROW ATAIL LENGTH ± 0.50
SEE NOTE 7

15.37

0.64 TYP

2.54 TYP

 BROKEN-OUT SECTION C-C
FOR SOLDER TO BOARD ONLY6.86 ± 0.25 TAIL LENGTH ± 0.50
SEE NOTE 7

15.37

0.62 TYP

2.54 TYP

 BROKEN-OUT SECTION C-C
FOR PRESS FIT ONLYTAIL LENGTH ± 0.25
SEE NOTE 7

0.64 TYP

2.54 TYP

 BROKEN-OUT SECTION B-B
FOR SOLDER TO BOARD ONLYTAIL LENGTH ± 0.25
SEE NOTE 7

1.37 TYP

2.54 TYP

 BROKEN-OUT SECTION B-B
FOR PRESS FIT ONLYDIM "F"
SEE NOTE 18

2.79

6.35 TYP

SIGNAL FIELD

POWER FIELD

SEE NOTE 18
3 SIDE $\varnothing 1.02 \pm 0.07$ TYP
SEE NOTE 16 $\varnothing 0.10$ X Y Z16.76
SEE NOTE 18

3x 2.54

5.08 TYP

2.54 TYP

PCB EDGE

2.54 TYP

3.43 REF

DIM "H"

RECOMMENDED PCB LAYOUT

dr	wcadmin	2007/01/29	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							
appr	Pei-Ming Zheng	2015/09/30	product family		PwrBlade	rel level		Released	
FCi		title			R/A HEADER W/O GUIDE PIN	dwg no		51725	rev
					SIGNAL / POWER				M
www.fci.com		cat. no.		*	Product - Customer Drw			sheet 3 of 3	

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[FCI / Amphenol:](#)

[51725-10000808A0LF](#)