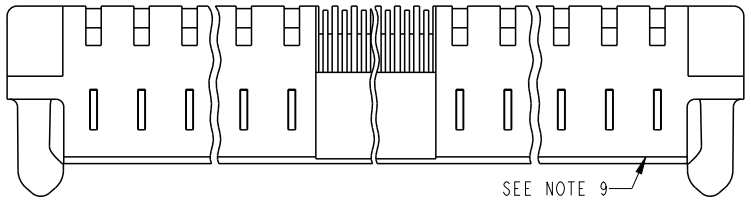
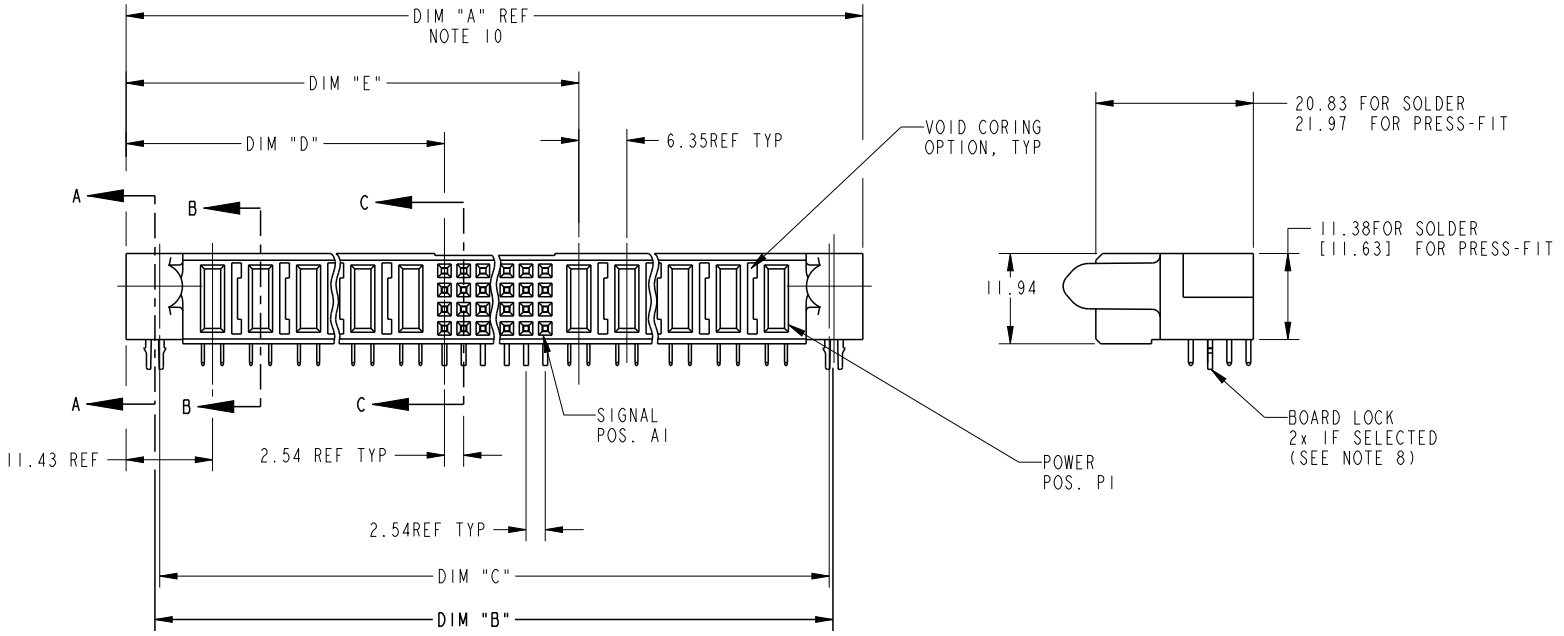
PRODUCT NUMBER
51760-ABBCCDDEF___ NOTE: (3)
SEE NOTE 1





spec ref	*			dr	Julia Wang	2008/09/29	projection	MM	size A4 / scale 1:1
tolerance std ISO 406 ISO 1101	TOLERANCES UNLESS OTHERWISE SPECIFIED			eng	Vicking Liu	2017/03/07			ecn no ELX-DG-26294-1
				chr	Fancy Zhang	2017/03/07			
				appr	Pei-Ming Zheng	2017/03/08	product family	PwrBlade	rel level Released
surface ISO 1302	linear	0.X	±0.3	Amphenol FCi	title	RA REC w/GUIDE PIN POWER / SIGNAL / POWER	dwg no	51760	rev N
		0.XX	±0.13						
		0.XXX	±0.051						
	angular	0°	±2°		cat. no.	-	Product - Customer Drw		sheet 1 of 3

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PRODUCT NUMBER
51760-ABBCCDDEF___ NOTE: (3)
SEE NOTE 1

DIM	LENGTH FORMULAS (SEE NOTE 10)
DIM "A"	.250 [6.35] x DD + .100 [2.54] x (CCC/4) + .250 [6.35] x BB + .650 [16.51] (NOTE 10)
DIM "B"	.250 [6.35] x DD + .100 [2.54] x (CCC/4) + .250 [6.35] x BB + .350 [8.89]
DIM "C"	.250 [6.35] x DD + .100 [2.54] x (CCC/4) + .250 [6.35] x BB + .300 [7.62]
DIM "D"	.250 [6.35] x DD + .375 [9.53] (4)
DIM "E"	.250 [6.35] x DD + .100 [2.54] x (CCC/4) + .450 [11.43]
DIM "F"	.250 [6.35] x DD + .100 [2.54] x (CCC/4) + .250 [6.35] x BB + .680 [17.27]
DIM "G"	.250 [6.35] x DD + .225 [5.72]
DIM "H"	.250 [6.35] x DD + .100 [2.54] x (CCC/4) + .250 [6.35]

CONNECTOR NOTES

(1) PRODUCT NUMBER CODE:
51760 - A BB CCC DD E F LF

- NO THIS SUFFIX:100u"/2.54um SnPb ON PCB)INTERFACE
- ADD THIS SUFFIX:78u"/2.00um Sn OR 5u" Au ON PCB)INTERFACE
- RETENTION TO PCB (NOTE 8)
- TAIL OPTIONS (NOTE 7)
- NUMBER OF LEFT END POWER CONTACTS (NOTE 6)
- NUMBER OF SIGNAL CONTACTS (NOTE 5)
- NUMBER OF RIGHT POWER CONTACTS (NOTE 4)
- PLATING (NOTE 3))
- BASE NUMBER

(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 IN PRINT 10064183 FOR PLATING SPEC OF 51760-ABBCCCDDEF; 51760-ABBCCCDDEFLF

(4.) RIGHT END POWER CONTACTS, 01 TO 20 AVAILABLE.
MAXIMUM OF 20 POWER CONTACTS PER CONNECTOR

(5.) SIGNAL CONTACTS, 004 TO 148 AVAILABLE FOR SOLDER TO BOARD.
020 TO 148 AVAILABLE FOR PRESS-FIT TO BOARD.

(6.) LEFT END POWER CONTACTS, 01 TO 20 AVAILABLE.
MAXIMUM OF 20 POWER CONTACTS PER CONNECTOR

(7.) TAIL OPTIONS:
A = .135 ±.010 [3.43 ±.25] SOLDER TO BOARD
B = .090 +.005 / -.010 [2.29 +0.13 / -0.25]
SOLDER TO BOARD
C = .154 ±.010 [3.91 ±0.25] PRESS-FIT TO BOARD

(8.) RETENTION TO PCB OPTIONS:
A = BOARD LOCK (REQUIRES .098 +.002/-.001
[2.49 +0.05/-0.03] THRU HOLE IN PCB
MOUNTING FOOT HEIGHT:
.220[5.59]
NOT AVAILABLE FOR PRESS-FIT

B = .150 [3.81] THRU HOLE (REQUIRES .158 ±0.003
[4.01 ±0.08] THRU HOLE IN PCB).
MOUNTING FOOT HEIGHT
.160[4.06]
ALWAYS AVAILABLE FOR PRESS-FIT

(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 8.00 [203.2]

11. PRODUCT SPECIFICATION GS-12-149
12. APPLICATION SPECIFICATION BUS-20-067.
13. FOR PRESS-FIT CONNECTORS USE FCI CAM TOOL 430140-XXX
TO APPLY CONNECTOR TO PCB.

PCB NOTES:

14. ALL DIMENSIONS ARE BASIC UNLESS OTHERWISE SPECIFIED.
15. ALL THROUGH HOLES ARE LOCATED WITH A
TRUE POSITION OF .004[0.10]
16. ALL HOLE DIAMETERS ARE FINISHED HOLE SIZE.

(17.) Ø0.0453 ±.001 [1.151 ±0.02] DRILLED HOLES PLATED WITH
0.0003 [0.007] MIN SnPb OVER 0.001 [1.03] TO .003 [0.08]
PLATING TO ACHIEVE A .040±.003 [1.02±08] HOLE.

18. (4) THE VOID CORING IN BETWEEN POWER MODULES, SIGNAL MODULES
AND END MODULES ARE OPTIONAL AND THE SHAPE MAY BE DIFFERENT
FOR OPTIMIZING THE MODING PROCESS. THE VOID CORING WILL NOT
EFFECT TO PRODUCT FUNCTION.

19. A (4) SYMBOL WILL BE NEXT TO ANY DIMENSION, VIEW, OR NOTE
WHICH HAS BEEN MODIFIED WITH THE CURRENT DRAWING REVISION.

dr	Julia Wang	2008/09/29
eng	Vicking Liu	2017/03/07
chr	Fancy Zhang	2017/03/07
appr	Pei-Ming Zheng	2017/03/08

projection | MM | size A4 | scale 1:2

ecn no ELX-DG-26294-1

product family PwrBlade | rel level **Released**

surface			
ISO 1302	linear	0.X	±0.3
		0.XX	±0.13
		0.XXX	±0.051
	angular	0°	±2°

Amphenol FCi

title: RA REC w/GUIDE PIN
POWER / SIGNAL / POWER

dwg no 51760 | rev N

cat. no. - | Product - Customer Drw | sheet 2 of 3

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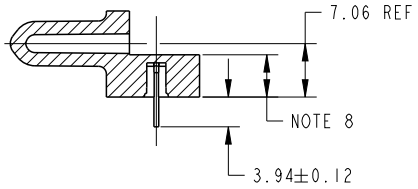
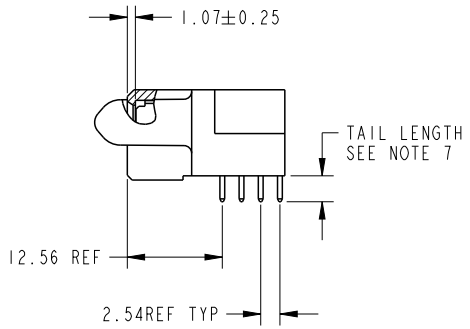
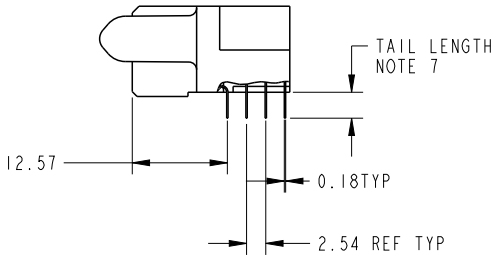
PRODUCT NUMBER
51760-ABBCCDDEF___ NOTE: (3)
SEE NOTE 1



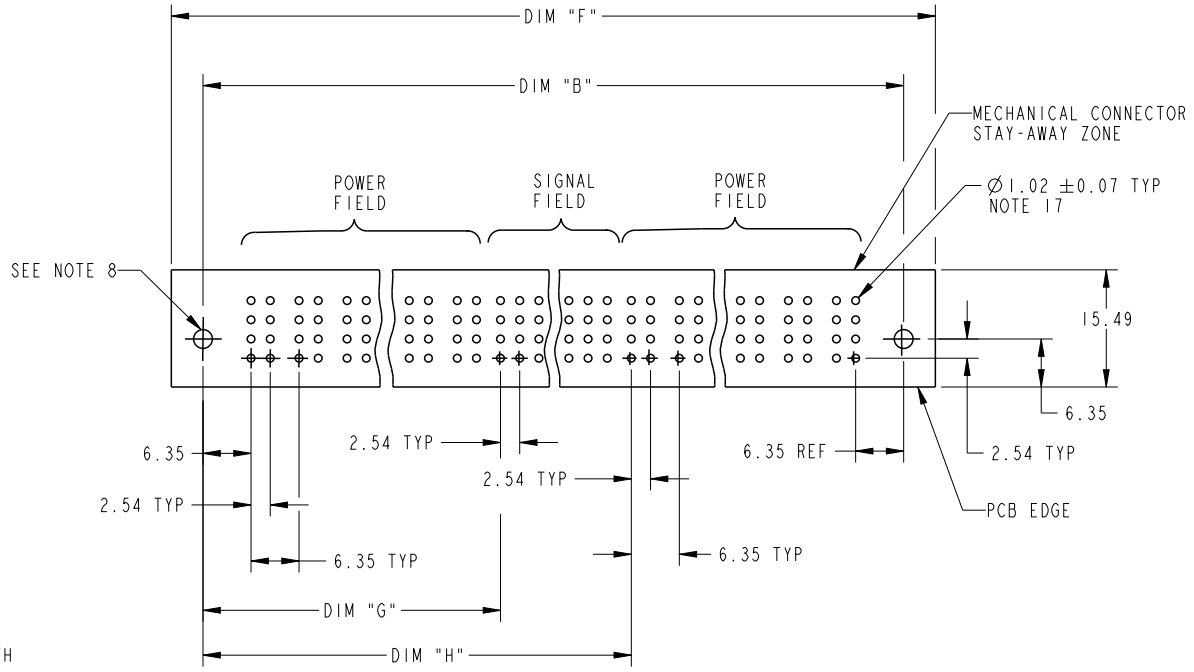
SECTION A-A



SECTION B-B



SECTION C-C



RECOMMENDED PCB LAYOUT

dr	Julia Wang	2008/09/29
eng	Vicking Liu	2017/03/07
chr	Fancy Zhang	2017/03/07
appr	Pei-Ming Zheng	2017/03/08

projection | MM | size A4 | scale 1:1

ecn no ELX-DG-26294-1

product family PwrBlade | rel level **Released**

surface			
ISO 1302	linear	0.X	±0.3
		0.XX	±0.13
		0.XXX	±0.051
	angular	0°	±2°

Amphenol FCi

title: RA REC w/GUIDE PIN
POWER / SIGNAL / POWER

dwg no 51760 | rev N

cat. no. - | Product - Customer Drw | sheet 3 of 3

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Amphenol FCi

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Общество с ограниченной ответственностью «МосЧип» ИНН 7719860671 / КПП 771901001
Адрес: 105318, г.Москва, ул.Щербаковская д.3, офис 1107

Данный компонент на территории Российской Федерации

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Для оперативного оформления запроса Вам необходимо перейти по данной ссылке:

http://moschip.ru/get-element

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Нашей специализацией является поставка электронной компонентной базы двойного назначения, продукции таких производителей как XILINX, Intel (ex.ALTERA), Vicor, Microchip, Texas Instruments, Analog Devices, Mini-Circuits, Amphenol, Glenair.

Сотрудничество с глобальными дистрибьюторами электронных компонентов, предоставляет возможность заказывать и получать с международных складов практически любой перечень компонентов в оптимальные для Вас сроки.

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Офис по работе с юридическими лицами:

105318, г.Москва, ул.Щербаковская д.3, офис 1107, 1118, ДЦ «Щербаковский»

Телефон: +7 495 668-12-70 (многоканальный)

Факс: +7 495 668-12-70 (доб.304)

E-mail: info@moschip.ru

Skype отдела продаж:
moschip.ru
moschip.ru_4
moschip.ru_6
moschip.ru_9