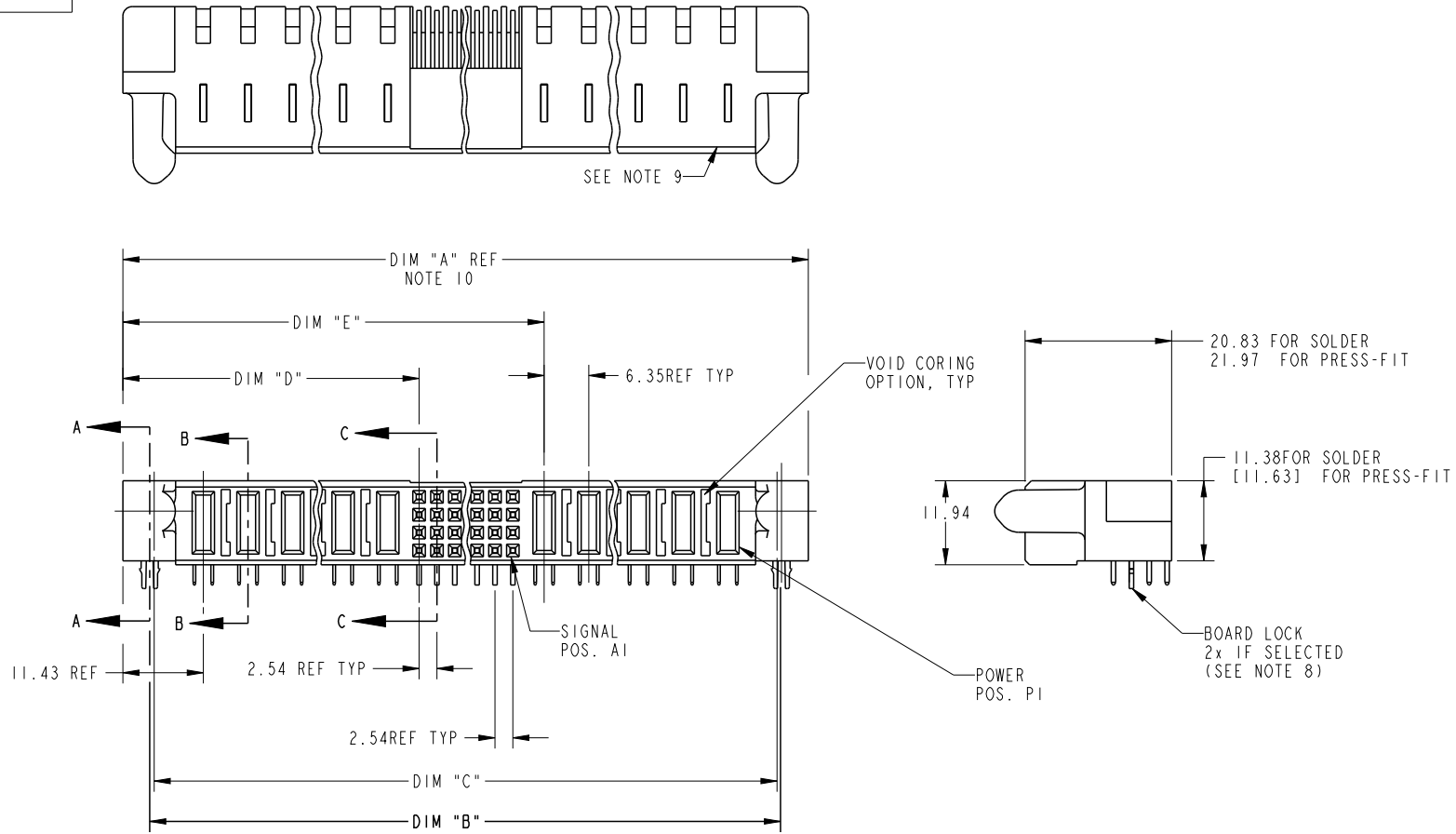


|                                 |
|---------------------------------|
| PRODUCT NUMBER                  |
| 51760-ABBCCDDEF_ _ _<br>NOTE: ③ |
| SEE NOTE 1                      |



|                                                    |  |                                       |       |          |              |                         |                        |                                   |                           |                |                      |                |     |
|----------------------------------------------------|--|---------------------------------------|-------|----------|--------------|-------------------------|------------------------|-----------------------------------|---------------------------|----------------|----------------------|----------------|-----|
| spec ref                                           |  | *                                     |       | dr       |              | Julia Wang              | 2008/09/29             | <div>projection</div> <div></div> | <div>MM</div> <div></div> | size           | A4                   | scale          | 1:1 |
| tolerance std                                      |  | TOLERANCES UNLESS OTHERWISE SPECIFIED |       |          |              | eng                     | Vicking Liu            |                                   |                           | 2017/03/07     | ecn noELX-DG-26294-1 |                |     |
| ISO 406                                            |  |                                       |       |          |              | chr                     | Fancy Zhang            |                                   |                           | 2017/03/07     |                      |                |     |
| ISO 1101                                           |  |                                       |       |          |              | appr                    |                        |                                   |                           | Pei-Ming Zheng | 2017/03/08           | product family |     |
| <div>surface</div> <div></div> <div>ISO 1302</div> |  | linear                                | 0.X   | ±0.3     | Amphenol FCI | titleRA REC w/GUIDE PIN |                        |                                   |                           | dwg no51760    |                      | revN           |     |
|                                                    |  |                                       | 0.XX  | ±0.13    |              |                         |                        |                                   |                           |                |                      |                |     |
|                                                    |  |                                       | 0.XXX | ±0.051   |              | POWER / SIGNAL / POWER  |                        |                                   |                           |                |                      |                |     |
| angular                                            |  | 0°                                    | ±2°   | cat. no. |              | -                       | Product - Customer Drw |                                   |                           |                | sheet 1 of 3         |                |     |

| PRODUCT NUMBER                 | DIM     | LENGTH FORMULAS (SEE NOTE 10)                                                        |
|--------------------------------|---------|--------------------------------------------------------------------------------------|
| 51760-ABBCCDDEF_---<br>NOTE: ③ | DIM "A" | .250 [6.35] x DD + .100 [2.54] x (CCC/4) + .250 [6.35] x BB + .650 [16.51] (NOTE 10) |
| SEE NOTE 1                     | 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]                                                       |
|                                | 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-ABBCCDDEF; 51760-ABBCCDDEFLF
- 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 / -.25]  
SOLDER TO BOARD  
C = .154 ±.010 [3.91 ±.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]

- ⑨ \*\*ALWAYS AVAILABLE FOR PRESS-FIT\*\*  
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.
- ⑪  $\varnothing 0.0453 \pm .001$  [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 ±0.08] HOLE.
18. THE VOID CORING IN BETWEEN POWER MODULES, SIGNAL MODULES  
AND END MODULES ARE OPTIONAL AND THE SHAPE MAY BE DIFFERENT  
FOR OPTIMIZING THE MOLDING PROCESS. THE VOID CORING WILL NOT  
EFFECT TO PRODUCT FUNCTION.
19. A SYMBOL WILL BE NEXT TO ANY DIMENSION, VIEW, OR NOTE  
WHICH HAS BEEN MODIFIED WITH THE CURRENT DRAWING REVISION.

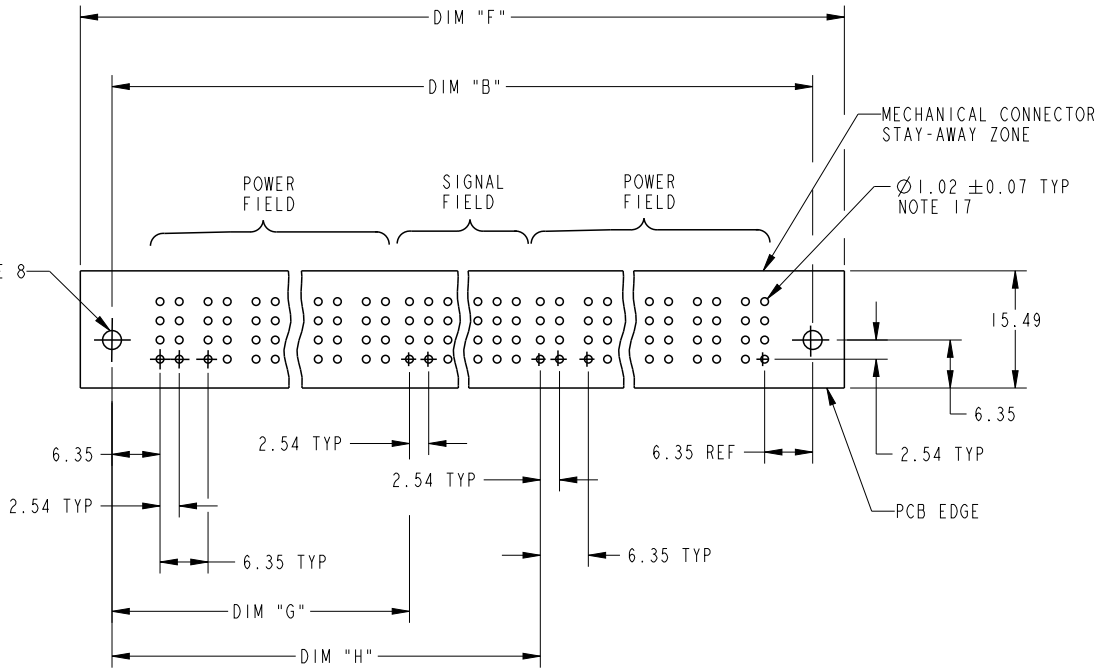
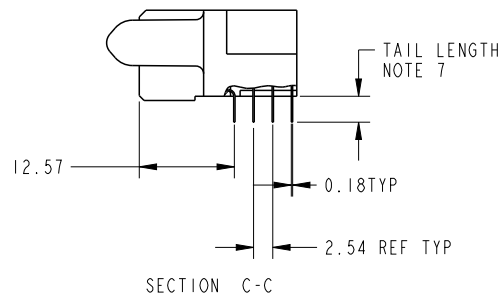
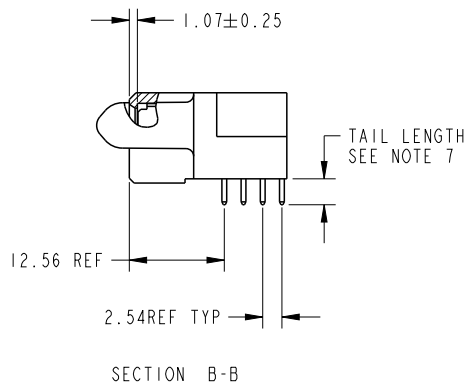
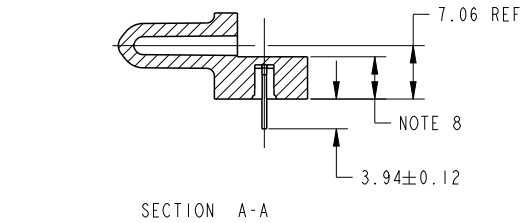
|          |         |       |        |
|----------|---------|-------|--------|
| surface  | linear  | 0.X   | ±0.3   |
|          |         | 0.XX  | ±0.13  |
|          |         | 0.XXX | ±0.051 |
| ISO 1302 | angular | 0°    | ±2°    |

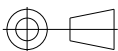
|      |                |            |
|------|----------------|------------|
| dr   | Julia Wang     | 2008/09/29 |
| eng  | Vicking Liu    | 2017/03/07 |
| chr  | Fancy Zhang    | 2017/03/07 |
| appr | Pei-Ming Zheng | 2017/03/08 |

|                |                |           |
|----------------|----------------|-----------|
| projection     | size           | scale     |
|                | A4             | 1:2       |
| product family | ecn no         | rel level |
| PwrBlade       | ELX-DG-26294-1 | Released  |

|                 |                                              |        |              |
|-----------------|----------------------------------------------|--------|--------------|
| Amphenol<br>FCI | title                                        | dwg no | rev          |
|                 | RA REC w/GUIDE PIN<br>POWER / SIGNAL / POWER | 51760  | N            |
| cat. no.        | Product - Customer Drw                       |        | sheet 2 of 3 |

|                               |
|-------------------------------|
| PRODUCT NUMBER                |
| 51760-ABBCCDEF_...<br>NOTE: ③ |
| SEE NOTE 1                    |



|                         |                |            |                                                                                                             |                                                                                                     |                |                        |          |           |        |              |  |     |   |
|-------------------------|----------------|------------|-------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------|----------------|------------------------|----------|-----------|--------|--------------|--|-----|---|
| dr                      | Julia Wang     | 2008/09/29 | <div>projection</div>  | <div>MM</div>  | size           | A4                     | scale    | 1:1       |        |              |  |     |   |
| 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     |  |     |   |
| <div>Amphenol FCI</div> |                |            | title                                                                                                       |                                                                                                     |                | RA REC w/GUIDE PIN     |          |           | dwg no | 51760        |  | rev | N |
|                         |                |            | POWER / SIGNAL / POWER                                                                                      |                                                                                                     |                |                        |          |           |        |              |  |     |   |
|                         |                |            | cat. no.                                                                                                    |                                                                                                     | -              | Product - Customer Drw |          |           |        | sheet 3 of 3 |  |     |   |

## Данный компонент на территории Российской Федерации

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<http://moschip.ru/get-element>

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

На всех этапах разработки и производства наши партнеры могут получить квалифицированную поддержку опытных инженеров.

Система менеджмента качества компании отвечает требованиям в соответствии с ГОСТ Р ИСО 9001, ГОСТ РВ 0015-002 и ЭС РД 009

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