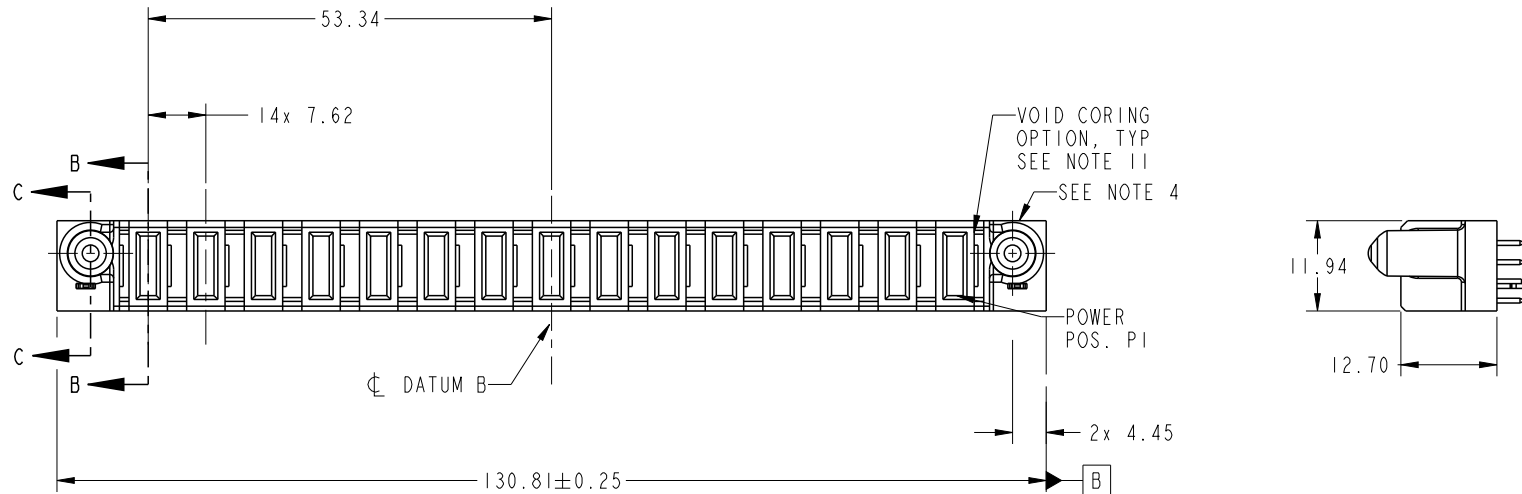


| PRODUCT NO. | POWER |     |     |     |     |     |     |    |    |    |    |    |    |    |    |    |    |
|-------------|-------|-----|-----|-----|-----|-----|-----|----|----|----|----|----|----|----|----|----|----|
|             | E2    | P15 | P14 | P13 | P12 | P11 | P10 | P9 | P8 | P7 | P6 | P5 | P4 | P3 | P2 | P1 | E1 |
| 51940-618LF |       | PA  | PA  | PA  | PA  | PA  | PA  | PA | PA | PA | PA | PA | PA | PA | PA | PA |    |



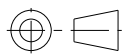
| CODE | DIM "M" MATING LENGTH | CONTACT TYPE |
|------|-----------------------|--------------|
| PA   | [1.07]                | POWER        |
| HA   | [N/A]                 | HOLD-DOWN    |

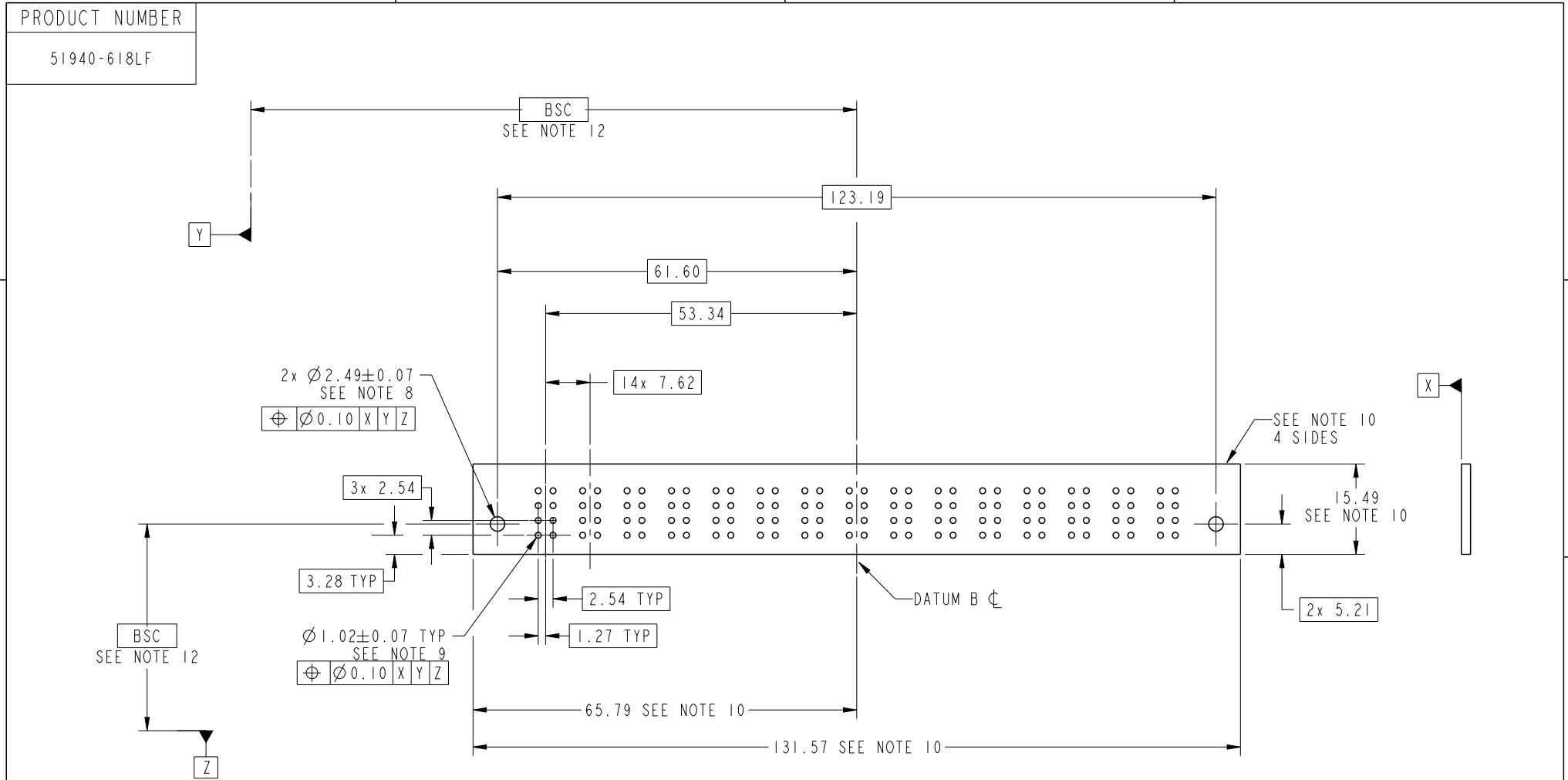
|               |                                       |           |       |                 |                                       |            |            |                                   |                           |           |              |       |                |          |
|---------------|---------------------------------------|-----------|-------|-----------------|---------------------------------------|------------|------------|-----------------------------------|---------------------------|-----------|--------------|-------|----------------|----------|
| spec ref      |                                       | SEE NOTES |       |                 | dr                                    | Ruan MT    | 2016/07/13 | <div>projection</div> <div></div> | <div>MM</div> <div></div> | size      | A4           | scale | 1:1            |          |
| tolerance std | TOLERANCES UNLESS OTHERWISE SPECIFIED |           |       | eng             | Ruan MT                               | 2016/07/29 | ecn no     |                                   |                           | -         |              |       |                |          |
|               |                                       |           |       | chr             | Fancy Zhang                           | 2016/07/28 |            |                                   |                           |           |              |       |                |          |
|               |                                       |           |       | appr            | Pei-Ming Zheng                        | 2016/07/29 |            |                                   |                           |           |              |       | product family | PwrBlade |
| SEE NOTES     |                                       |           |       |                 |                                       |            |            |                                   |                           |           |              |       |                |          |
| surface       | linear                                | 0.X       | ±0.5  | Amphenol<br>FCI | title 15ACP<br>VERTICAL SOLDER RECEPT |            |            |                                   | dwg no                    | 51940-618 |              |       | rev            | A        |
|               |                                       | 0.XX      | ±0.25 |                 |                                       |            |            |                                   |                           |           |              |       |                |          |
|               |                                       | 0.XXX     | ±0.1  |                 |                                       |            |            |                                   |                           |           |              |       |                |          |
|               | angular                               | 0°        | ±2°   |                 | cat. no.                              |            |            | Product - Customer Drw            |                           |           | sheet 1 of 4 |       |                |          |

PRODUCT NUMBER

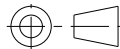
51940-618LF



|               |                                       |           |       |       |                 |             |                                                                                                                        |                                                                                                                |                |           |              |                    |   |
|---------------|---------------------------------------|-----------|-------|-------|-----------------|-------------|------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------|----------------|-----------|--------------|--------------------|---|
| spec ref      |                                       | SEE NOTES |       | dr    | Ruan MT         | 2016/07/13  | <div>projection</div> <div></div> | <div>MM</div> <div></div> | size           | A4        | scale        | 1:1                |   |
| tolerance std | TOLERANCES UNLESS OTHERWISE SPECIFIED |           |       | eng   | Ruan MT         | 2016/07/29  |                                                                                                                        |                                                                                                                | ecn no         | -         |              |                    |   |
|               |                                       |           |       | chr   | Fancy Zhang     | 2016/07/28  |                                                                                                                        |                                                                                                                |                |           |              |                    |   |
|               |                                       |           |       | appr  | Pei-Ming Zheng  | 2016/07/29  |                                                                                                                        |                                                                                                                | product family |           | PwrBlade     | rel level Released |   |
| surface       | <div>✓</div>                          | linear    | 0.X   | ±0.5  | Amphenol<br>FCI | title 15ACP |                                                                                                                        |                                                                                                                | dwg no         | 51940-618 |              | rev                | A |
|               |                                       |           | 0.XX  | ±0.25 |                 |             |                                                                                                                        |                                                                                                                |                |           |              |                    |   |
|               |                                       |           | 0.XXX | ±0.1  |                 |             |                                                                                                                        |                                                                                                                |                |           |              |                    |   |
|               |                                       | angular   | 0°    | ±2°   |                 | cat. no.    |                                                                                                                        | Product - Customer Drw                                                                                         |                |           | sheet 2 of 4 |                    |   |



RECOMMENDED PCB LAYOUT

|               |                                       |           |       |                 |                                       |                |                                                                                                                        |                                                                                                                |            |                |       |     |
|---------------|---------------------------------------|-----------|-------|-----------------|---------------------------------------|----------------|------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------|------------|----------------|-------|-----|
| spec ref      |                                       | SEE NOTES |       | dr              | Ruan MT                               | 2016/07/13     | <div>projection</div> <div></div> | <div>MM</div> <div></div> | size       | A4             | scale | 1:1 |
| tolerance std | TOLERANCES UNLESS OTHERWISE SPECIFIED |           |       | eng             | Ruan MT                               | 2016/07/29     |                                                                                                                        |                                                                                                                | ecn no -   |                |       |     |
|               |                                       |           |       | chr             | Fancy Zhang                           | 2016/07/28     |                                                                                                                        |                                                                                                                |            |                |       |     |
|               |                                       |           |       | SEE NOTES       | appr                                  | Pei-Ming Zheng |                                                                                                                        |                                                                                                                | 2016/07/29 | product family |       |     |
| surface       | linear                                | 0.X       | ±0.5  | Amphenol<br>FCi | title I5ACP<br>VERTICAL SOLDER RECEPT |                |                                                                                                                        | dwg no                                                                                                         | 51940-618  |                | rev   | A   |
|               |                                       | 0.XX      | ±0.25 |                 |                                       |                |                                                                                                                        |                                                                                                                |            |                |       |     |
|               |                                       | 0.XXX     | ±0.1  |                 |                                       |                |                                                                                                                        |                                                                                                                |            |                |       |     |
|               | angular                               | 0°        | ±2°   |                 | cat. no.                              |                | Product - Customer Drw                                                                                                 |                                                                                                                |            | sheet 3 of 4   |       |     |

|                |
|----------------|
| PRODUCT NUMBER |
| 51940-618LF    |

## NOTES:

1. DIMENSIONS AND TOLERANCES ARE IN ACCORDANCE WITH  
ASME Y14.5M, 1994 UNLESS OTHERWISE SPECIFIED.

## CONNECTOR NOTES:

- ② HOUSING MATERIAL: UL 94 V-0 GLASS FILLED HIGH-TEMP THERMOPLASTIC  
POWER CONTACT MATERIAL: COPPER ALLOY  
SIGNAL PIN MATERIAL: COPPER ALLOY
3. SEE FCI PLATING SPEC 10064183.
- ④ MANUFACTURER'S NAME, DATE CODE AND OPTIONAL P/N TO APPEAR ON  
THIS SURFACE. THE MARK CAN BE OMITTED IF THERE IS NOT ENOUGH  
SPACE ON THIS SURFACE.
5. PRODUCT SPECIFICATION GS-12-149.  
APPLICATION SPECIFICATION BUS-20-067.
6. PACKAGED IN TRAYS.

## PCB NOTES:

7. ALL HOLE DIAMETERS ARE FINISHED HOLE SIZE.
- ⑧ MOUNTING HOLES, WHERE APPLICABLE, ARE UNPLATED.
- ⑨  $\varnothing 1.151 \pm 0.025$  DRILLED HOLES PLATED WITH  
0.008 MIN SnPb OR Sn OVER 0.03  
TO 0.08 Cu PLATING TO ACHIEVE  
 $\varnothing 1.02 \pm 0.07$  HOLE.
- ⑩ CONNECTOR KEEP-OUT ZONE.
11. THE VOID CORING IN BETWEEN POWER MODULES, SIGNAL MODULES AND END MODULES ARE  
OPTIONAL AND THE SHAPE MAY BE DIFFERENT FOR OPTIMIZE THE MOLDING PROCESS. THE VOID  
CORING WILL NOT EFFECT TO PRODUCT FUNCTION.
- ⑫ DATUM AND BASIC DIMENIONS ARE ESTABLISHED BY CUSTOMER.

|               |                                       |           |       |              |                                       |            |                                   |                           |                         |              |       |     |
|---------------|---------------------------------------|-----------|-------|--------------|---------------------------------------|------------|-----------------------------------|---------------------------|-------------------------|--------------|-------|-----|
| spec ref      |                                       | SEE NOTES |       | dr           | Ruan MT                               | 2016/07/13 | <div>projection</div> <div></div> | <div>MM</div> <div></div> | size                    | A4           | scale | 1:1 |
| tolerance std | TOLERANCES UNLESS OTHERWISE SPECIFIED |           |       | eng          | Ruan MT                               | 2016/07/29 |                                   |                           | ecn no -                |              |       |     |
|               |                                       |           |       | chr          | Fancy Zhang                           | 2016/07/28 |                                   |                           | rel level Released      |              |       |     |
|               |                                       |           |       | appr         | Pei-Ming Zheng                        | 2016/07/29 |                                   |                           | product family PwrBlade |              |       |     |
| surface       | <div>linear</div> <div>✓</div>        | 0.X       | ±0.5  | Amphenol FCI | title I5ACP<br>VERTICAL SOLDER RECEPT |            |                                   | dwg no                    | 51940-618               |              | rev   | A   |
|               |                                       | 0.XX      | ±0.25 |              |                                       |            |                                   |                           |                         |              |       |     |
|               |                                       | 0.XXX     | ±0.1  |              |                                       |            |                                   |                           |                         |              |       |     |
|               | angular                               | 0°        | ±2°   |              | cat. no.                              |            | Product - Customer Drw            |                           |                         | sheet 4 of 4 |       |     |

## Данный компонент на территории Российской Федерации

**Вы можете приобрести в компании MosChip.**

Для оперативного оформления запроса Вам необходимо перейти по данной ссылке:

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

Вы можете разместить у нас заказ для любого Вашего проекта, будь то серийное производство или разработка единичного прибора.

В нашем ассортименте представлены ведущие мировые производители активных и пассивных электронных компонентов.

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.

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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