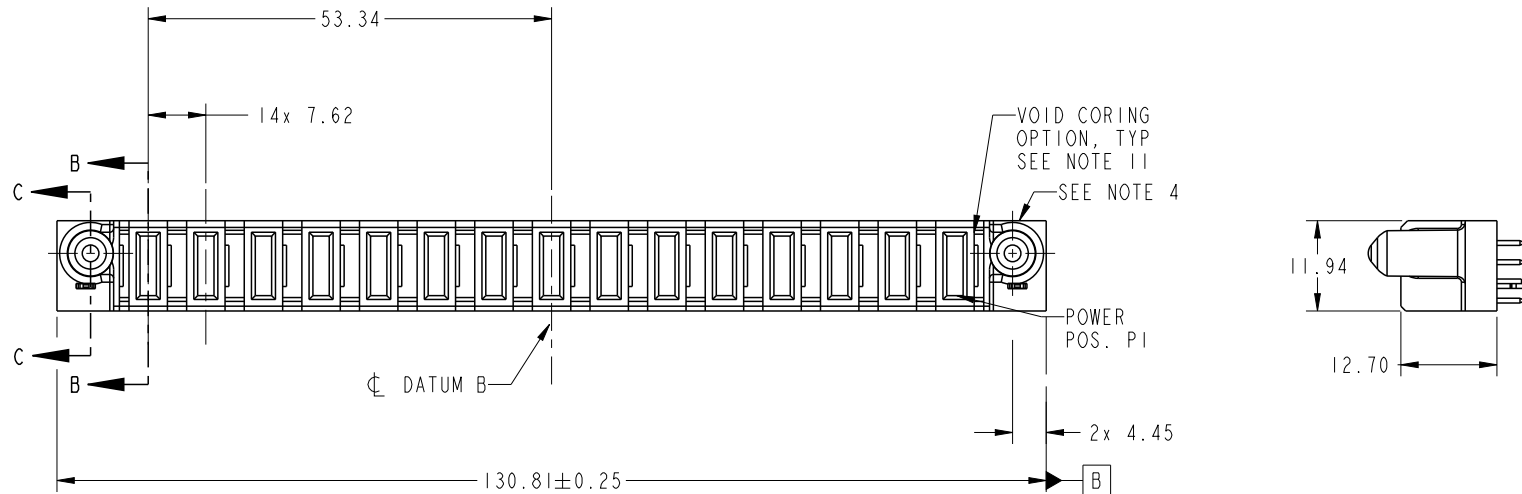


| PRODUCT NO. | POWER |     |     |     |     |     |     |    |    |    |    |    |    |    |    |    |    |
|-------------|-------|-----|-----|-----|-----|-----|-----|----|----|----|----|----|----|----|----|----|----|
|             | E2    | P15 | P14 | P13 | P12 | P11 | P10 | P9 | P8 | P7 | P6 | P5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

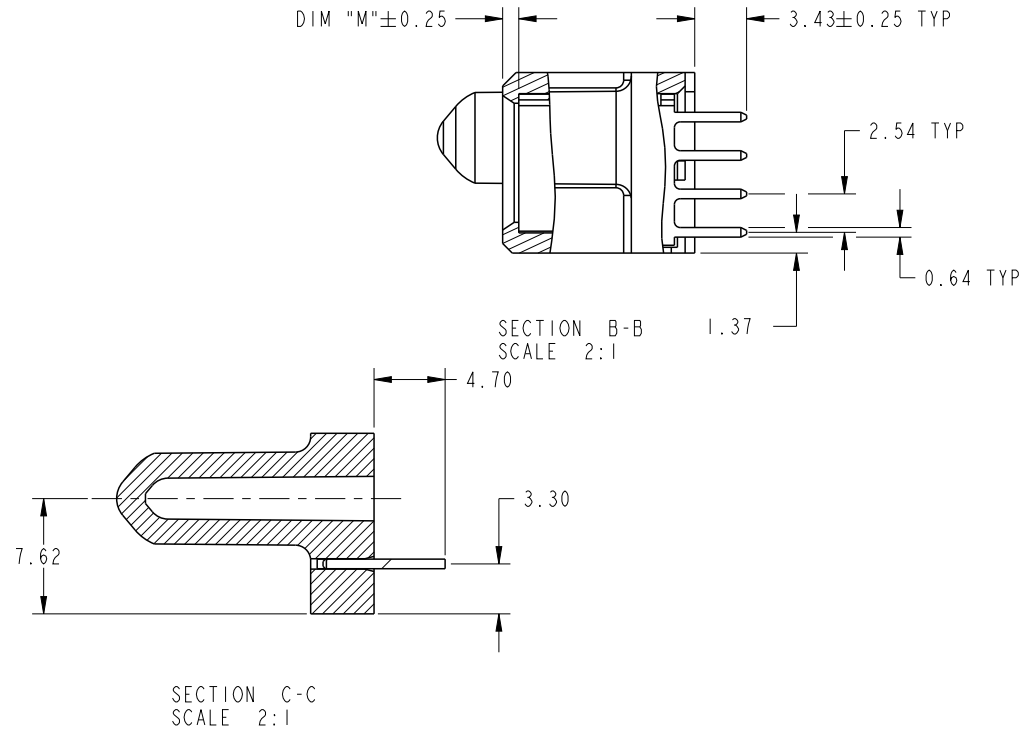


| CODE | DIM "M"<br>MATING<br>LENGTH | CONTACT<br>TYPE |
|------|-----------------------------|-----------------|
| PA   | [1.07]                      | POWER           |
| HA   | [N/A]                       | HOLD-DOWN       |

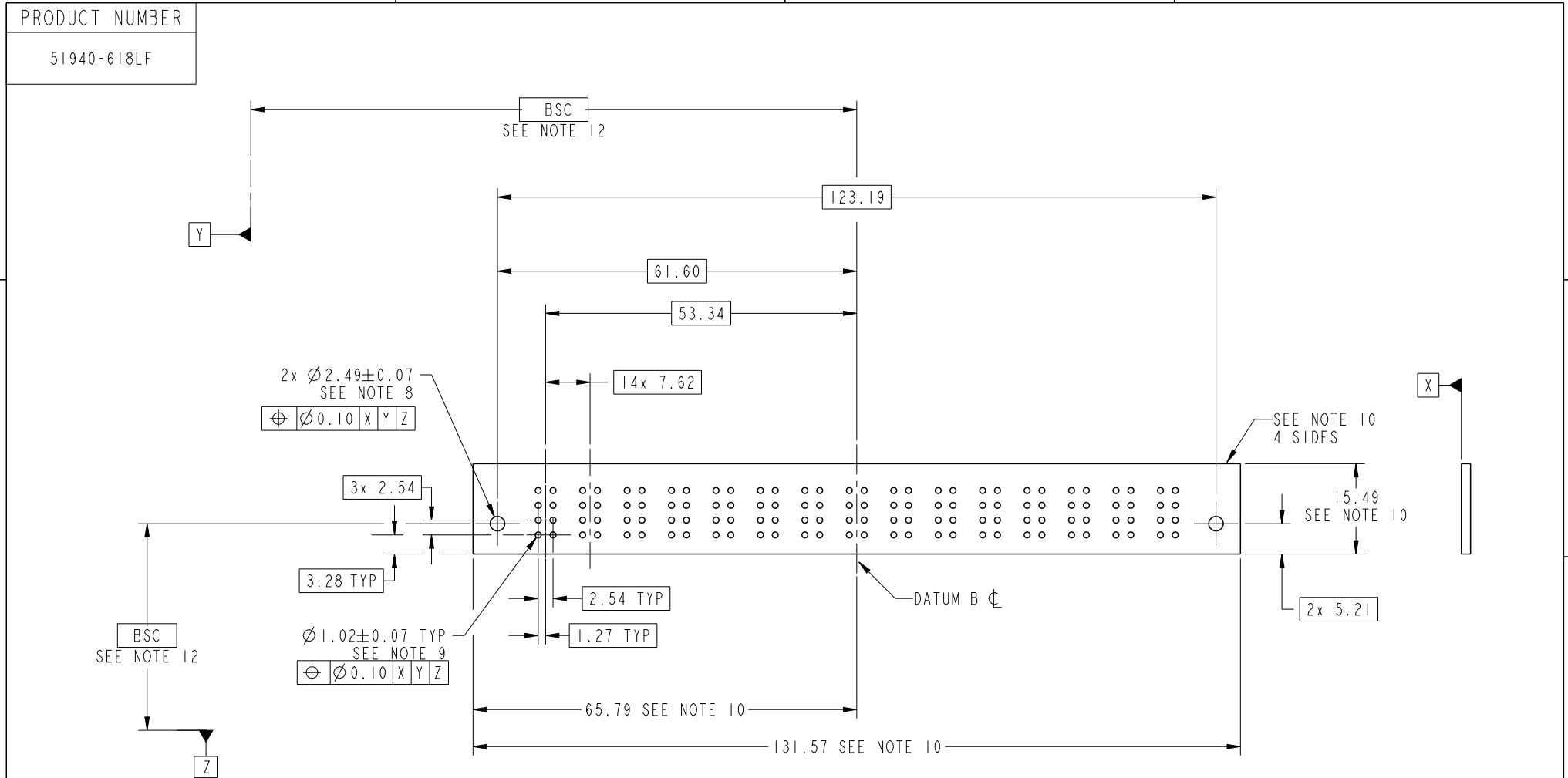
|               |                                       |           |       |       |                 |            |                                   |                           |        |              |       |     |                |
|---------------|---------------------------------------|-----------|-------|-------|-----------------|------------|-----------------------------------|---------------------------|--------|--------------|-------|-----|----------------|
| 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 |
| surface       | <div>✓</div>                          | linear    | 0.X   | ±0.5  | Amphenol<br>FCI | title      | I5ACP                             |                           | 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

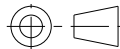
51940-618LF



|               |              |                                       |       |       |                 |                |                                 |                                   |                           |                |           |              |           |   |
|---------------|--------------|---------------------------------------|-------|-------|-----------------|----------------|---------------------------------|-----------------------------------|---------------------------|----------------|-----------|--------------|-----------|---|
| 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 | SEE NOTES    | 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 |   |
| surface       | <div>✓</div> | 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 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 |                                                                                                                        |                                                                                                                | 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          |            |                                                                                                                        | 15ACP                                                                                                          | 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<br>POWER CONTACT MATERIAL: COPPER ALLOY<br>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.<br>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<br>0.008 MIN SnPb OR Sn OVER 0.03<br>TO 0.08 Cu PLATING TO ACHIEVE<br>$\varnothing 1.02 \pm 0.07$ 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.                                                                                                                                                                                                                                                                                                                                   |                                       |               |                |                        |            |                                 |                |           |           |          |       |     |               |                                       |     |         |            |  |    |        |   |
| <table border="1"><thead><tr><th>spec ref</th><th>SEE NOTES</th><th>dr</th><td>Ruan MT</td><td>2016/07/13</td><th>projection</th><td rowspan="4"></td><th>size</th><td>A4</td><th>scale</th><td>1:1</td></tr><tr><th>tolerance std</th><th rowspan="3">TOLERANCES UNLESS OTHERWISE SPECIFIED</th><th>eng</th><td>Ruan MT</td><td>2016/07/29</td><th rowspan="3"></th></tr></thead></table> |                                       | spec ref      | SEE NOTES      | dr                     | Ruan MT    | 2016/07/13                      | projection     |           | size      | A4       | scale | 1:1 | tolerance std | TOLERANCES UNLESS OTHERWISE SPECIFIED | eng | Ruan MT | 2016/07/29 |  | MM | ecn no | - |
| spec ref                                                                                                                                                                                                                                                                                                                                                                                   | SEE NOTES                             | dr            | Ruan MT        | 2016/07/13             | projection |                                 | size           |           | A4        | scale    | 1:1   |     |               |                                       |     |         |            |  |    |        |   |
| tolerance std                                                                                                                                                                                                                                                                                                                                                                              | TOLERANCES UNLESS OTHERWISE SPECIFIED | eng           | Ruan MT        | 2016/07/29             |            |                                 |                |           |           |          |       |     |               |                                       |     |         |            |  |    |        |   |
| SEE NOTES                                                                                                                                                                                                                                                                                                                                                                                  |                                       | chr           | Fancy Zhang    | 2016/07/28             |            |                                 |                |           |           |          |       |     |               |                                       |     |         |            |  |    |        |   |
| surface                                                                                                                                                                                                                                                                                                                                                                                    |                                       | appr          | Pei-Ming Zheng | 2016/07/29             |            |                                 | product family | PwrBlade  | rel level | Released |       |     |               |                                       |     |         |            |  |    |        |   |
| surface                                                                                                                                                                                                                                                                                                                                                                                    | linear                                | 0.X           | $\pm 0.5$      | Amphenol<br>FCi        | title      | I5ACP<br>VERTICAL SOLDER RECEPT | dwg no         | 51940-618 | rev       | A        |       |     |               |                                       |     |         |            |  |    |        |   |
|                                                                                                                                                                                                                                                                                                                                                                                            |                                       | 0.XX          | $\pm 0.25$     |                        |            |                                 |                |           |           |          |       |     |               |                                       |     |         |            |  |    |        |   |
|                                                                                                                                                                                                                                                                                                                                                                                            |                                       | 0.XXX         | $\pm 0.1$      |                        |            |                                 |                |           |           |          |       |     |               |                                       |     |         |            |  |    |        |   |
| angular                                                                                                                                                                                                                                                                                                                                                                                    | 0°                                    | $\pm 2^\circ$ | cat. no.       | Product - Customer Drw |            |                                 | sheet 4 of 4   |           |           |          |       |     |               |                                       |     |         |            |  |    |        |   |

## Данный компонент на территории Российской Федерации

**Вы можете приобрести в компании MosChip.**

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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.

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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