

|                                       |  |                     |                |            |                        |    |   |    |                 |          |
|---------------------------------------|--|---------------------|----------------|------------|------------------------|----|---|----|-----------------|----------|
| spec ref                              | -                                      | dr                  | Sunny2 Liu     | 2016/06/28 | projection             | MM | size                                      | A2 | scale           | 4:1      |
| tolerance std                         | ASME Y14.5                             | eng                 | Sunny2 Liu     | 2016/09/23 |                        |    | ecn no                                    | -  | rel level       | Released |
| TOLERANCES UNLESS OTHERWISE SPECIFIED |  | chr                 | Terris Liu     | 2016/09/23 |                        |    |   |    |                 |          |
| surface                               |  | appr                | Pai-Ming Zheng | 2016/09/23 |                        |    |   |    |                 |          |
| linear                                | 0.X ±0.50<br>0.XX ±0.25<br>0.XXX ±0.10 | <b>Amphenol FCI</b> |                |            | product family HPCE    |    | title HPCE VT RECET<br>8LP20S OMITTED 2LP |    | dwg no 10139839 | rev A    |
| angular                               | 0° ±2°                                 | cat. no. -          |                |            | Product - Customer Drw |    | sheet 1 of 4                              |    |                 |          |

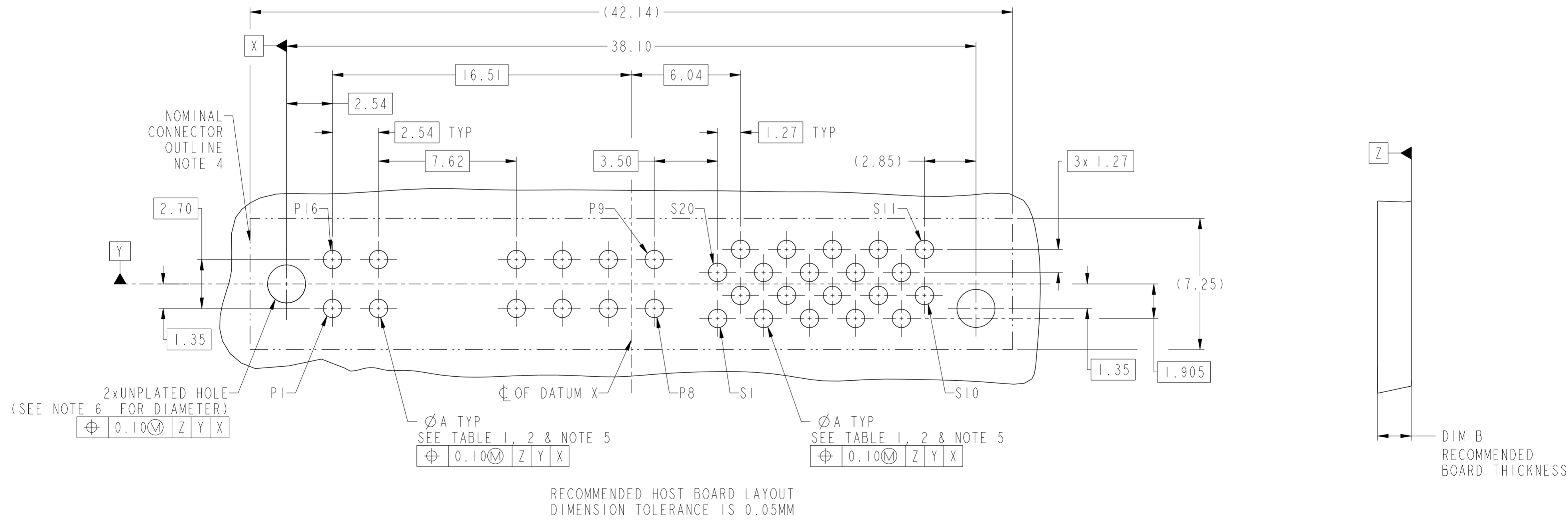
PDS: Rev :A

STATUS:Released

Printed: Sep 23, 2016

| CONTACT TYPE   | TOP LAYER DESCRIPTION | TABLE 1 (HPCE / SOLDER TAILS)<br>PLATED THROUGH-HOLE REQUIREMENTS |                  |                    |               |                            |
|----------------|-----------------------|---|------------------|--------------------|---------------|----------------------------|
|                |                       | DRILLED HOLE DIAMETER   | COPPER THICKNESS | TIN-LEAD THICKNESS | TIN THICKNESS | FINISHED HOLE DIAMETER(ØA) |
| POWER & SIGNAL | TIN-LEAD              | 1.10-1.16 (1.15 DRILL)  | 0.025 - 0.050    | 0.005 - 0.015      | --            | 0.94 - 1.10                |
|                | IMMERSION TIN         | 1.10-1.16 (1.15 DRILL)  | 0.025 - 0.050    | --                 | 0.9 - 1.5um   | 0.94 - 1.10                |
|                | COPPER                | 1.10-1.16 (1.15 DRILL)  | 0.025 - 0.050    | --                 | --            | 0.94 - 1.10                |

| CONTACT TYPE   | TOP LAYER DESCRIPTION | TABLE 2 (HPCE / PRESS-FIT TAILS)<br>PLATED THROUGH-HOLE REQUIREMENTS |                  |                    |               |                            |
|----------------|-----------------------|--|------------------|--------------------|---------------|----------------------------|
|                |                       | DRILLED HOLE DIAMETER  | COPPER THICKNESS | TIN-LEAD THICKNESS | TIN THICKNESS | FINISHED HOLE DIAMETER(ØA) |
| POWER & SIGNAL | TIN-LEAD              | 0.81-0.86 (0.85 DRILL)   | 0.025 - 0.050    | 0.005 - 0.015      | --            | 0.65 - 0.80                |
|                | IMMERSION TIN         | 0.81-0.86 (0.85 DRILL)   | 0.025 - 0.050    | --                 | 0.9 - 1.5um   | 0.70 - 0.80                |
|                | COPPER                | 0.81-0.86 (0.85 DRILL)   | 0.025 - 0.050    | --                 | --            | 0.70 - 0.80                |



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|                                       |  |              |                |                 |            |                                     |        |          |                        |              |
|---------------------------------------|--|--------------|----------------|-----------------|------------|-------------------------------------|--------|----------|------------------------|--------------|
| spec ref                              | -                                      | dr           | Sunny2 Liu     | 2016/06/28      | projection | MM                                  | size   | A2       | scale                  | 1:1          |
| tolerance std                         | ASME Y14.5                             | eng          | Sunny2 Liu     | 2016/09/23      |            |                                     | ecn no | -        | rel level              | Released     |
| TOLERANCES UNLESS OTHERWISE SPECIFIED |  | chr          | Terris Liu     | 2016/09/23      |            |                                     |        |          |                        |              |
| surface                               | ASME Y14.5                             | appr         | Pei-Ming Zheng | 2016/09/23      |            |                                     |        |          |                        |              |
| linear                                | 0.X ±0.50<br>0.XX ±0.25<br>0.XXX ±0.10 | Amphenol FCI |                | title           |            | HPCE VT RECET<br>8LP20S OMITTED 2LP |        | cat. no. | Product - Customer Drw | sheet 2 of 4 |
| angular                               | 0° ±2°                                 | PDS: Rev :A  |                | STATUS:Released |            | Printed: Sep 23, 2016               |        |          |                        |              |

A

B

C

D

E

F

A

B

C

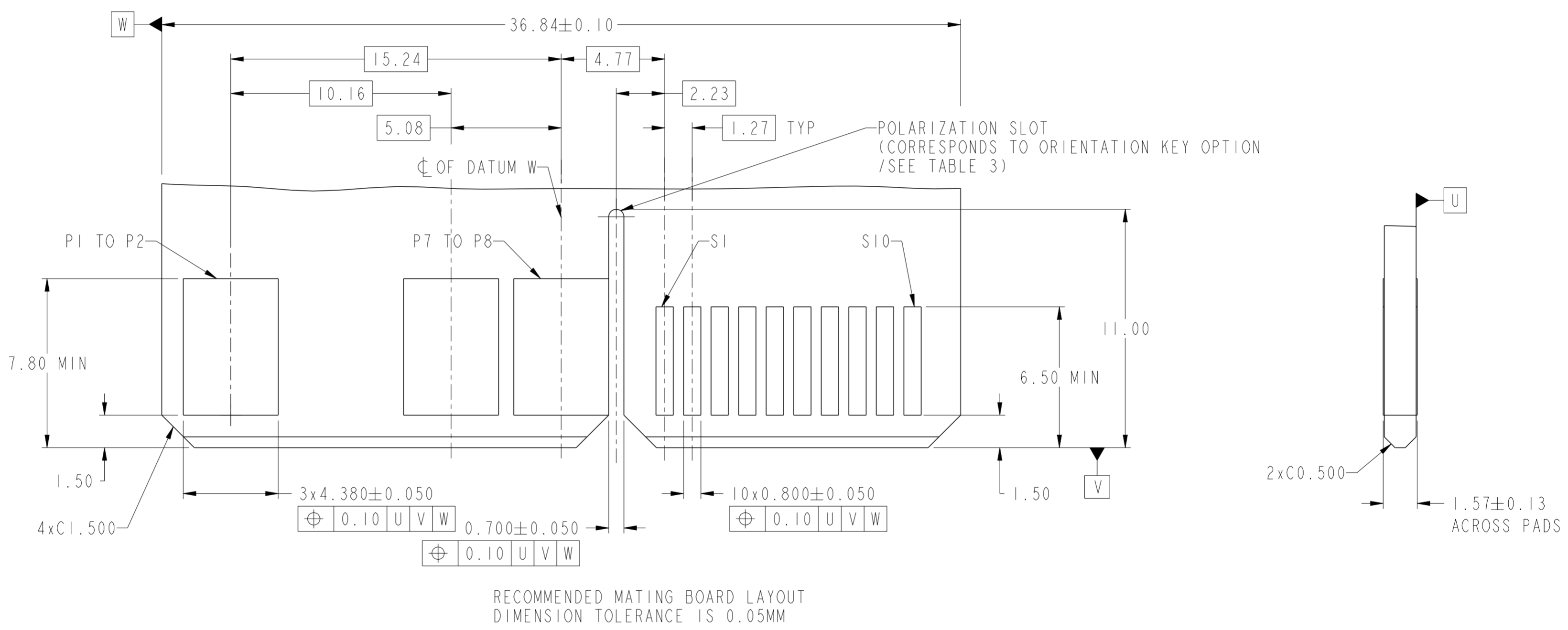
D

E

F

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FCi

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|                                       |            |         |                |            |  |    |                |          |           |          |
|---------------------------------------|------------|---------|----------------|------------|--|----|----------------|----------|-----------|----------|
| spec ref                              | -          | dr      | Sunny2 Liu     | 2016/06/28 | projection                                   | MM | size           | A2       | scale     | 1:1      |
| tolerance std                         | ASME Y14.5 | eng     | Sunny2 Liu     | 2016/09/23 |  |    | ecn no         | -        | rel level | Released |
| TOLERANCES UNLESS OTHERWISE SPECIFIED |            | chr     | Terris Liu     | 2016/09/23 |  |    |                |          |           |          |
|                                       |            | appr    | Pei-Ming Zheng | 2016/09/23 |  |    |                |          |           |          |
| surface                               | ASME Y14.5 | linear  | 0.X            | ±0.50      |  |    | product family | -        | cat. no.  | -        |
|                                       |            |         | 0.XX           | ±0.25      | title<br>HPCE VT RECET<br>8LP20S OMITTED 2LP |    | dwg no         | 10139839 | rev       | A        |
|                                       |            | angular | 0°             | ±2°        | Product - Customer Drw                       |    | sheet 3 of 4   |          |           |          |

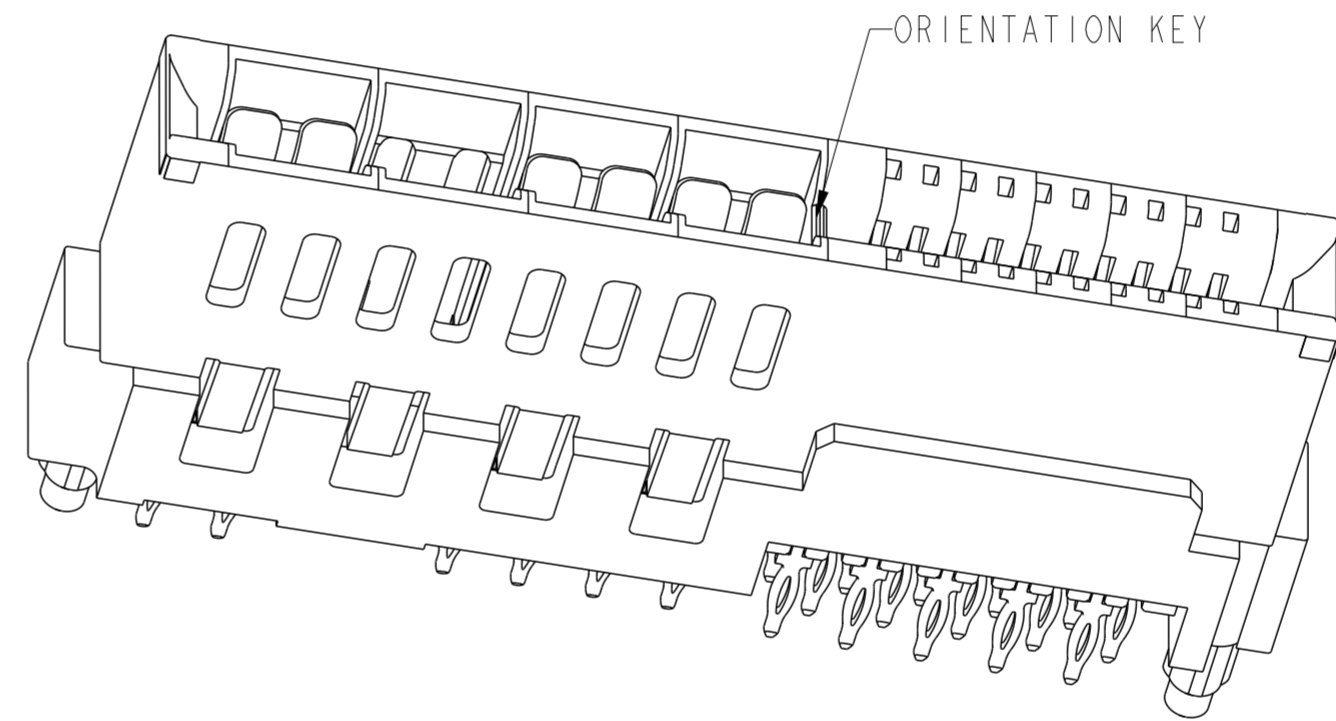
PDS: Rev :A

STATUS:Released

Printed: Sep 23, 2016

HPCE PART NUMBER (TABLE 3)

| PART NUMBER    | TAIL TYPE | ORIENTATION KEY | TAIL LENGTH | DIM B RECOMMENDED BOARD THICKNESS |
|----------------|-----------|-----------------|-------------|-----------------------------------|
| 10139839-001LF | SOLDER    | YES             | 3.17 ±0.25  | 2.36±0.13                         |
| 10139839-002LF |           | NO              |             |                                   |
| 10139839-003LF | PRESS FIT | YES             |             | 1.57 MIN                          |
| 10139839-004LF |           | NO              |             |                                   |



NOTES:

- 1) PRODUCT MARK:  
PART NUMBER AND DATE CODE TO BE MARKED ON THIS SURFACE .  
THE MARK CAN BE OMITTED IF THERE IS NOT ENOUGH SPACE ON THIS SURFACE.
- 2) MATERIALS:  
-HOUSING : HIGH TEMPERATURE THERMOPLASTIC WITH GLASS FIBER, UL94V-0, BLACK.  
-CONTACT : COPPER ALLOY.
- 3) CONTACT FINISH REF: GS-12-604 SECTION 5.2.
- 4) DENOTES CONNECTOR KEEP OUT ZONE.
- 5) ALL HOLE DIAMETERS ARE FINISHED HOLE SIZES.
- 6) MOUNTING HOLES ARE UNPLATED  
 $\varnothing 2.18 \pm 0.03$  FOR SOLDER TAILS  
 $\varnothing 2.40 \pm 0.1$  FOR PRESS FIT TAILS
- 7) THE HOUSING WILL WITHSTAND EXPOSURE TO 245°C PEAK TEMPERATURE FOR 10 SECONDS IN A WAVE SOLDER PROCESS.
- 8) THIS PRODUCT MEETS EUROPEAN UNION DIRECTIVES AND OTHER COUNTRY REGULATIONS AS DESCRIBED IN GS-47-0004.
- 9) PRODUCT SPECIFICATION : GS-12-604.  
APPLICATION SPECIFICATION : GS-20-128.  
PACKAGING SPECIFICATION: GS-14-937.
- 10) PRESS FIT APPLICATION TOOL DRAWING:10119453.

|               |  |              |            |                                     |            |          |        |    |           |          |         |    |     |      |                |            |                |      |          |   |                        |              |
|---------------|--|--------------|------------|-------------------------------------|------------|----------|--------|----|-----------|----------|---------|----|-----|------|----------------|------------|----------------|------|----------|---|------------------------|--------------|
| spec ref      | -  | dr           | Sunny2 Liu | 2016/06/28                          | projection | MM       | size   | A2 | scale     | 4:1      |         |    |     |      |                |            |                |      |          |   |                        |              |
| tolerance std | -  | eng          | Sunny2 Liu | 2016/09/23                          |            |          | ecn no | -  | rel level | Released |         |    |     |      |                |            |                |      |          |   |                        |              |
| ASME Y14.5    | TOLERANCES UNLESS OTHERWISE SPECIFIED  | chr          | Terris Liu | 2016/09/23                          |            |          |        |    |           |          |         |    |     |      |                |            |                |      |          |   |                        |              |
| surface       | <table border="1"> <tr> <td>linear</td> <td>0.X</td> <td>±0.50</td> </tr> <tr> <td></td> <td>0.XX</td> <td>±0.25</td> </tr> <tr> <td></td> <td>0.XXX</td> <td>±0.10</td> </tr> <tr> <td>angular</td> <td>0°</td> <td>±2°</td> </tr> </table> | linear       | 0.X        | ±0.50                               |            | 0.XX     | ±0.25  |    | 0.XXX     | ±0.10    | angular | 0° | ±2° | appr | Pei-Ming Zheng | 2016/09/23 | product family | HPCE | cat. no. | - | Product - Customer Drw | sheet 4 of 4 |
| linear        | 0.X  | ±0.50        |            |                                     |            |          |        |    |           |          |         |    |     |      |                |            |                |      |          |   |                        |              |
|               | 0.XX   | ±0.25        |            |                                     |            |          |        |    |           |          |         |    |     |      |                |            |                |      |          |   |                        |              |
|               | 0.XXX  | ±0.10        |            |                                     |            |          |        |    |           |          |         |    |     |      |                |            |                |      |          |   |                        |              |
| angular       | 0°   | ±2°          |            |                                     |            |          |        |    |           |          |         |    |     |      |                |            |                |      |          |   |                        |              |
| ASME Y14.5    |  | Amphenol FCI | title      | HPCE VT RECET<br>8LP20S OMITTED 2LP | dwg no     | 10139839 | rev    | A  |           |          |         |    |     |      |                |            |                |      |          |   |                        |              |



Компания «ЭлектроПласт» предлагает заключение долгосрочных отношений при поставках импортных электронных компонентов на взаимовыгодных условиях!

Наши преимущества:

- Оперативные поставки широкого спектра электронных компонентов отечественного и импортного производства напрямую от производителей и с крупнейших мировых складов;
- Поставка более 17-ти миллионов наименований электронных компонентов;
- Поставка сложных, дефицитных, либо снятых с производства позиций;
- Оперативные сроки поставки под заказ (от 5 рабочих дней);
- Экспресс доставка в любую точку России;
- Техническая поддержка проекта, помощь в подборе аналогов, поставка прототипов;
- Система менеджмента качества сертифицирована по Международному стандарту ISO 9001;
- Лицензия ФСБ на осуществление работ с использованием сведений, составляющих государственную тайну;
- Поставка специализированных компонентов (Xilinx, Altera, Analog Devices, Intersil, Interpoint, Microsemi, Aeroflex, Peregrine, Syfer, Eurofarad, Texas Instrument, Miteq, Cobham, E2V, MA-COM, Hittite, Mini-Circuits, General Dynamics и др.);

Помимо этого, одним из направлений компании «ЭлектроПласт» является направление «Источники питания». Мы предлагаем Вам помощь Конструкторского отдела:

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- Подбор аналогов;
- Консультации по применению компонента;
- Поставка образцов и прототипов;
- Техническая поддержка проекта;
- Защита от снятия компонента с производства.



#### Как с нами связаться

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