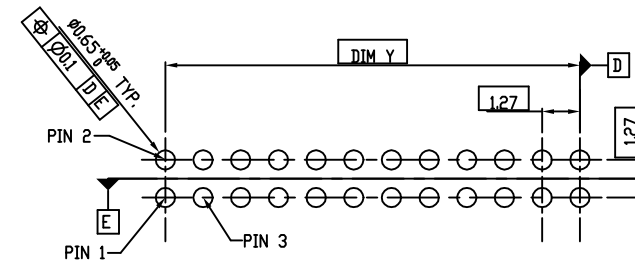
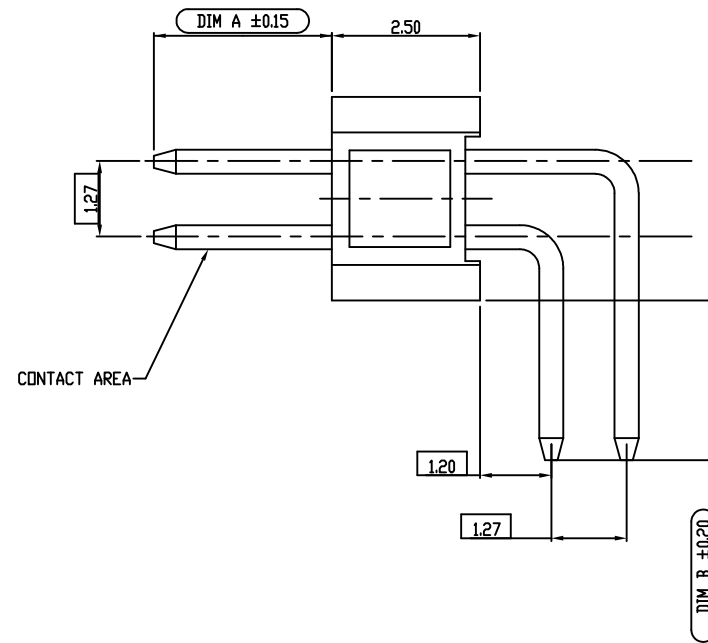
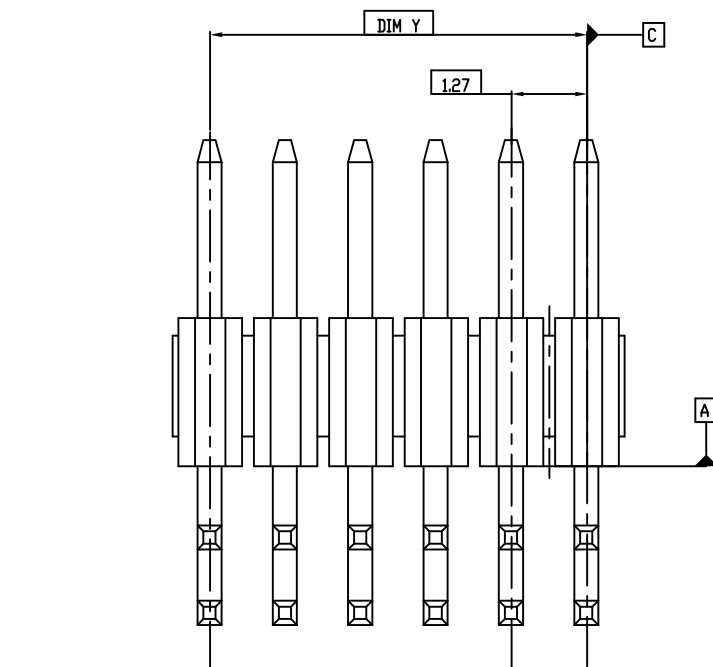
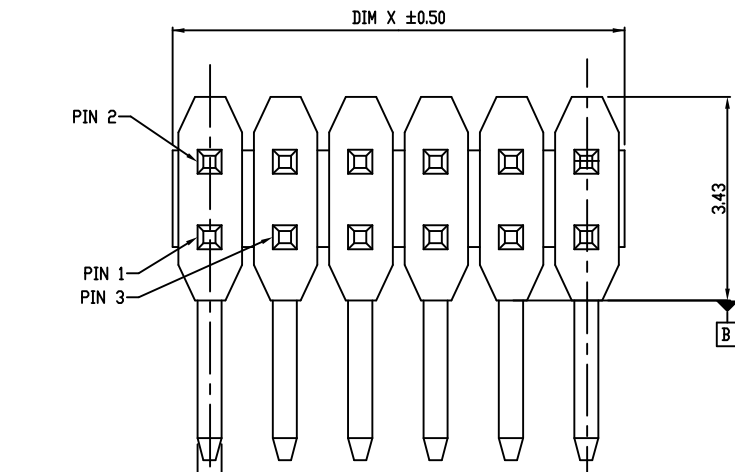


PART NO.  
20021112



RECOMMENDED PCB LAYOUT

|             |             |                |          |                                       |     |                            |  |                                                                                                  |  |                            |  |                          |  |      |
|-------------|-------------|----------------|----------|---------------------------------------|-----|----------------------------|--|--------------------------------------------------------------------------------------------------|--|----------------------------|--|--------------------------|--|------|
| mat'l. code |             |                |          | surface ISO 1302 ✓                    |     | tolerance ISO 406 ISO 1101 |  | projection  |  | product family MINITEK127® |  |                          |  |      |
| ltr         | ecn no      | dr             | date     | tolerances unless otherwise specified |     |                            |  |             |  | title                      |  |                          |  |      |
| F           | ELX-N-23548 | TIM            | 03/21/16 | angles                                |     | .0±.30                     |  |                                                                                                  |  | UNSHROUDED HDR RA TH       |  |                          |  |      |
| G           | ELX-N-26146 | TONY           | 02/22/16 | linear                                |     | .00±.20                    |  |                                                                                                  |  |                            |  |                          |  |      |
|             |             |                |          | 0±2°                                  |     | .000±.10                   |  | scale 1:1                                                                                        |  |                            |  |                          |  |      |
|             |             |                |          | dr                                    |     | ZK HU                      |  | 08/01/12                                                                                         |  | dwg no                     |  | sheet 1 of 3             |  | size |
|             |             |                |          | engr                                  |     | ZK HU                      |  | 08/01/12                                                                                         |  | Amphenol<br>FCi            |  | 20021112                 |  | A3   |
|             |             |                |          | chr                                   |     | BIAN RICK                  |  | 08/01/12                                                                                         |  |                            |  |                          |  |      |
|             |             |                |          | appd                                  |     | BIAN RICK                  |  | 08/01/12                                                                                         |  | type                       |  | Product Customer Drawing |  |      |
| sheet index |             | revision sheet |          | G 1                                   | G 2 | G 3                        |  |                                                                                                  |  |                            |  |                          |  |      |



Amphenol  
FCI

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D

| PART NO.           | PDS.   | DIM*X" | DIM*Y" |
|--------------------|--------|--------|--------|
| 20021112-0XX04XXLF | 2 X 2  | 2.54   | 2.54   |
| 20021112-0XX06XXLF | 2 X 3  | 3.81   | 2.54   |
| 20021112-0XX08XXLF | 2 X 4  | 5.08   | 3.81   |
| 20021112-0XX10XXLF | 2 X 5  | 6.35   | 5.08   |
| 20021112-0XX12XXLF | 2 X 6  | 7.62   | 6.35   |
| 20021112-0XX14XXLF | 2 X 7  | 8.89   | 7.62   |
| 20021112-0XX16XXLF | 2 X 8  | 10.16  | 8.89   |
| 20021112-0XX18XXLF | 2 X 9  | 11.43  | 10.16  |
| 20021112-0XX20XXLF | 2 X 10 | 12.70  | 11.43  |
| 20021112-0XX12XXLF | 2 X 11 | 13.97  | 12.70  |
| 20021112-0XX24XXLF | 2 X 12 | 15.24  | 13.97  |
| 20021112-0XX26XXLF | 2 X 13 | 16.51  | 15.24  |
| 20021112-0XX28XXLF | 2 X 14 | 17.78  | 16.51  |
| 20021112-0XX30XXLF | 2 X 15 | 19.05  | 17.78  |
| 20021112-0XX32XXLF | 2 X 16 | 20.32  | 19.05  |
| 20021112-0XX34XXLF | 2 X 17 | 21.59  | 20.32  |
| 20021112-0XX36XXLF | 2 X 18 | 22.86  | 21.59  |
| 20021112-0XX38XXLF | 2 X 19 | 24.13  | 22.86  |
| 20021112-0XX40XXLF | 2 X 20 | 25.40  | 24.13  |
| 20021112-0XX42XXLF | 2 X 21 | 26.67  | 25.40  |
| 20021112-0XX44XXLF | 2 X 22 | 27.94  | 26.67  |
| 20021112-0XX46XXLF | 2 X 23 | 29.21  | 27.94  |
| 20021112-0XX48XXLF | 2 X 24 | 30.48  | 29.21  |
| 20021112-0XX50XXLF | 2 X 25 | 31.75  | 30.48  |

| PART NO.           | PDS.   | DIM*X" | DIM*Y" |
|--------------------|--------|--------|--------|
| 20021112-0XX52XXLF | 2 X 26 | 33.02  | 31.75  |
| 20021112-0XX54XXLF | 2 X 27 | 34.29  | 33.02  |
| 20021112-0XX56XXLF | 2 X 28 | 35.56  | 34.29  |
| 20021112-0XX58XXLF | 2 X 29 | 36.83  | 35.56  |
| 20021112-0XX60XXLF | 2 X 30 | 38.10  | 36.83  |
| 20021112-0XX62XXLF | 2 X 31 | 39.37  | 38.10  |
| 20021112-0XX64XXLF | 2 X 32 | 40.64  | 39.37  |
| 20021112-0XX66XXLF | 2 X 33 | 41.91  | 40.64  |
| 20021112-0XX68XXLF | 2 X 34 | 43.18  | 41.91  |
| 20021112-0XX70XXLF | 2 X 35 | 44.45  | 43.18  |
| 20021112-0XX72XXLF | 2 X 36 | 45.72  | 44.45  |
| 20021112-0XX74XXLF | 2 X 37 | 46.99  | 45.72  |
| 20021112-0XX76XXLF | 2 X 38 | 48.26  | 46.99  |
| 20021112-0XX78XXLF | 2 X 39 | 49.53  | 48.26  |
| 20021112-0XX80XXLF | 2 X 40 | 50.80  | 49.53  |
| 20021112-0XX82XXLF | 2 X 41 | 52.07  | 50.80  |
| 20021112-0XX84XXLF | 2 X 42 | 53.34  | 52.07  |
| 20021112-0XX86XXLF | 2 X 43 | 54.61  | 53.34  |
| 20021112-0XX88XXLF | 2 X 44 | 55.88  | 54.61  |
| 20021112-0XX90XXLF | 2 X 45 | 57.15  | 55.88  |
| 20021112-0XX92XXLF | 2 X 46 | 58.42  | 57.15  |
| 20021112-0XX94XXLF | 2 X 47 | 59.69  | 58.42  |
| 20021112-0XX96XXLF | 2 X 48 | 60.96  | 59.69  |
| 20021112-0XX98XXLF | 2 X 49 | 62.23  | 60.96  |
| 20021112-0XXA0XXLF | 2 X 50 | 63.50  | 62.23  |

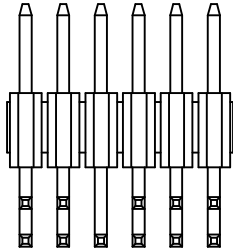
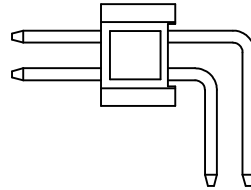
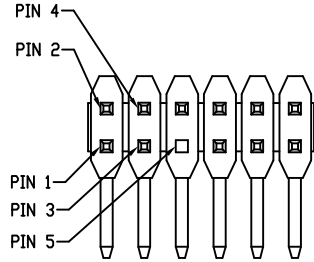
NOTES:  
1.MATERIAL:  
HOUSING: HIGH TEMPERATURE THERMOPLASTIC, UL94-V0 BLACK.  
TERMINAL: COPPER ALLOY  
2.THE HOUSING WILL WITHSTAND EXPOSURE TO 260°C PEAK  
TEMPERATURE FOR 10 SECONDS IN A WAVE SOLDER  
OR VAPOR PHASE REFLOW OVEN.  
3.THIS PRODUCT MEETS EUROPEAN UNION DIRECTIVES AND OTHER  
COUNTRY REGULATIONS AS DESCRIBED IN GS-22-008.  
4.PRODUCT SPEC: GS-12-629  
5.PACKAGE SPEC: GS-14-1420

20021112- 0 X X XX X X LF

LEAD FREE  
PLATING OPTIONAL  
1: GOLD FLASH AT CONTACT, 1.27um MIN. MATTE TIN AT TAIL  
2: GOLD FLASH AT CONTACT, GOLD FLASH AT TAIL  
4: 0.25um Au MIN. AT CONTACT, 1.27um MIN.MATTE TIN AT TAIL  
5: 0.25um Au MIN. AT CONTACT, GOLD FLASH AT TAIL  
6: 0.38um GXT MIN. AT CONTACT, 1.27um MIN.MATTE TIN AT TAIL  
7: 0.38um GXT MIN. AT CONTACT, GOLD FLASH AT TAIL  
8: 0.76um GXT MIN. AT CONTACT, 1.27um MIN.MATTE TIN AT TAIL  
9: 0.76um GXT MIN. AT CONTACT, GOLD FLASH AT TAIL  
PACKING STYLE  
T: TUBE  
PIN NO. SEE TABLE  
TAIL LENGTH(DIM\*B")  
0: 2.70MM (FOR 2.0MM PCB)  
1: 1.60MM (FOR 1.0MM PCB)  
2: 2.30MM (FOR 1.6MM PCB)  
MATING LENGTH(DIM\*A")  
0: 3.05MM  
SELECTED LOADED  
0: FULL LOADED,OTHER SEE SHEET 3

|             |                |    |      |                             |                      |                        |                               |  |  |  |
|-------------|----------------|----|------|-----------------------------|----------------------|------------------------|-------------------------------|--|--|--|
| mat'l. code |                |    |      | surface<br>ISO 1302         | tolerance<br>ISO 406 | projection<br>ISO 1101 | product family<br>MINITEK127® |  |  |  |
| ltr         | ecn no         | dr | date | tolerances unless specified | linear               | mm                     | title<br>UNSHROUDED HDR RA TH |  |  |  |
|             |                |    |      | angles                      |                      |                        |                               |  |  |  |
|             |                |    |      | 0°±2'                       |                      | scale 1:1              |                               |  |  |  |
|             |                |    |      | dr                          | ZK HU                | 08/01/12               | dwg no                        |  |  |  |
|             |                |    |      | engr                        | ZK HU                | 08/01/12               | sheet2 of 3                   |  |  |  |
|             |                |    |      | chr                         | BIAN RICK            | 08/01/12               | 20021112                      |  |  |  |
|             |                |    |      | appd                        | BIAN RICK            | 08/01/12               | type Product Customer Drawing |  |  |  |
| sheet index | revision sheet |    |      |                             |                      |                        |                               |  |  |  |

PART NO.  
20021112



20021112-1XXXXXXLF REMOVE PIN 5

| PART NO.           | AMOUNT OF PINS | PIN FREE LOADED |
|--------------------|----------------|-----------------|
| 20021112-1XXXXXXLF | 13             | PIN 5           |

|             |        |                |      |                                       |  |                               |  |                                                                                                     |  |                               |  |                          |      |    |
|-------------|--------|----------------|------|---------------------------------------|--|-------------------------------|--|-----------------------------------------------------------------------------------------------------|--|-------------------------------|--|--------------------------|------|----|
| mat'l. code |        |                |      | surface<br>ISO 1302 ✓                 |  | tolerance<br>ISO 406 ISO 1101 |  | projection<br> |  | product family<br>MINITEK127® |  |                          |      |    |
| ltr         | ecn no | dr             | date | tolerances unless otherwise specified |  |                               |  | title                                                                                               |  | UNSHROUDED HDR RA TH          |  |                          |      |    |
|             |        |                |      | angles                                |  | linear                        |  | mm<br>         |  |                               |  |                          |      |    |
|             |        |                |      | 0°±2°                                 |  |                               |  | scale 1:1                                                                                           |  |                               |  |                          |      |    |
|             |        |                |      |                                       |  |                               |  |                                                                                                     |  |                               |  |                          |      |    |
|             |        |                |      | dr                                    |  | ZK HU                         |  | 08/01/12                                                                                            |  | dwg no                        |  | sheet3 of 3              | size |    |
|             |        |                |      | engr                                  |  | ZK HU                         |  | 08/01/12                                                                                            |  | Amphenol<br>FCI               |  | 20021112                 |      | A3 |
|             |        |                |      | chr                                   |  | BIAN RICK                     |  | 08/01/12                                                                                            |  |                               |  |                          |      |    |
|             |        |                |      | appd                                  |  | BIAN RICK                     |  | 08/01/12                                                                                            |  | type                          |  | Product Customer Drawing |      |    |
| sheet index |        | revision sheet |      |                                       |  |                               |  |                                                                                                     |  |                               |  |                          |      |    |