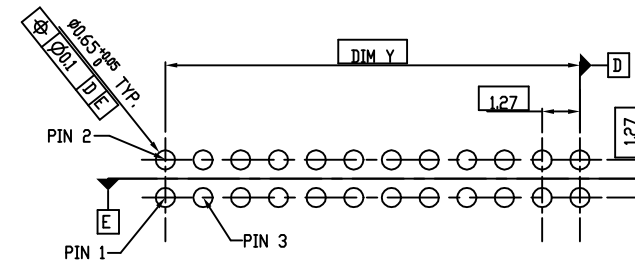
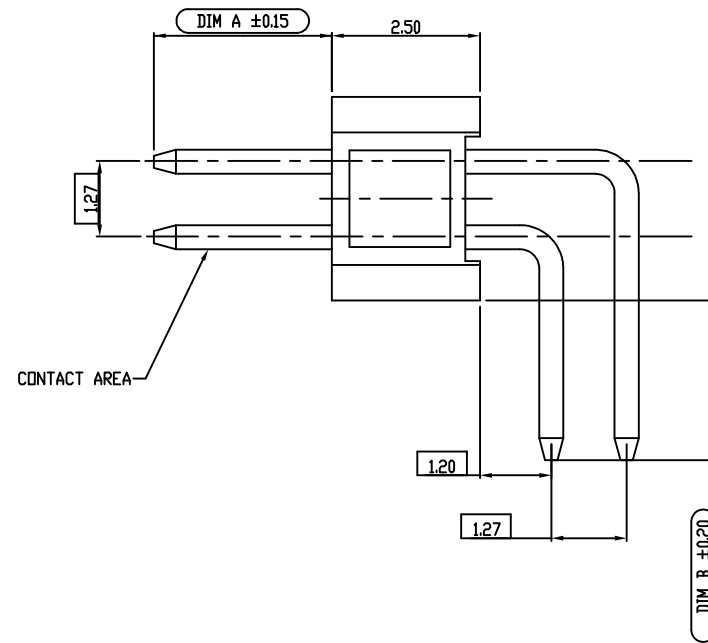
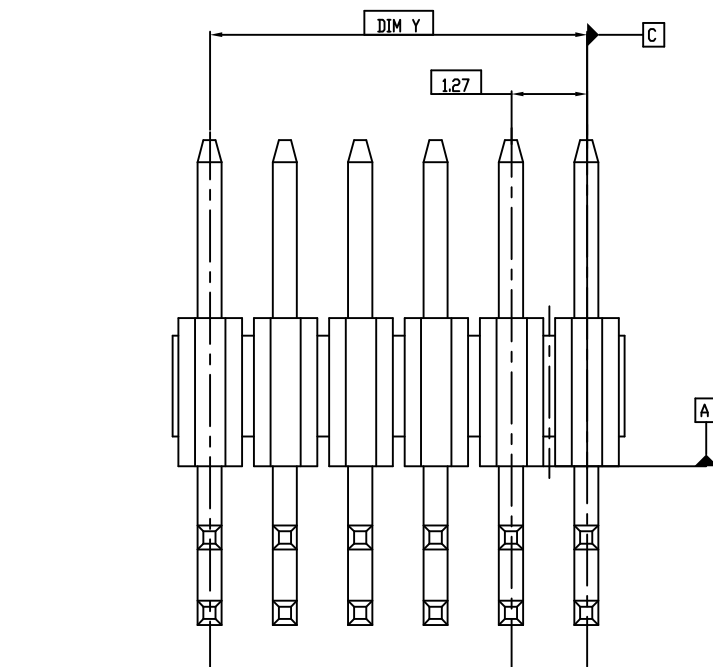
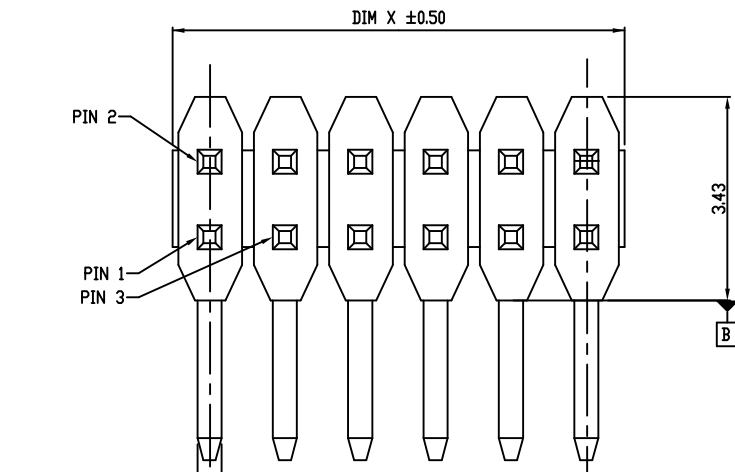


PART NO.  
20021112



RECOMMENDED PCB LAYOUT

|             |                |      |          |                                       |                |            |                      |  |                          |      |
|-------------|----------------|------|----------|---------------------------------------|----------------|------------|----------------------|--|--------------------------|------|
| mat'l. code |                |      |          | surface                               | tolerance      | projection | product family       |  |                          |      |
| ISO 1302    |                |      |          | ISO 406                               | ISO 1101       |            | MINITEK127®          |  |                          |      |
| ltr         | ecn no         | dr   | date     | tolerances unless otherwise specified |                |            | title                |  |                          |      |
| F           | ELX-N-23548    | TIM  | 03/21/16 | angles                                | .0 $\pm$ .30   |            | UNSHROUDED HDR RA TH |  |                          |      |
| G           | ELX-N-26146    | TONY | 02/22/16 | linear                                | .00 $\pm$ .20  | mm         |                      |  |                          |      |
|             |                |      |          | 0 $\pm$ 2'                            | .000 $\pm$ .10 | scale 1:1  |                      |  |                          |      |
|             |                |      |          | dr                                    | ZK HU          | 08/01/12   | dwg no               |  | sheet 1 of 3             | size |
|             |                |      |          | engr                                  | ZK HU          | 08/01/12   | 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                                   |                |            |                      |  |                          |      |

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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  |

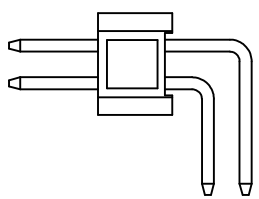
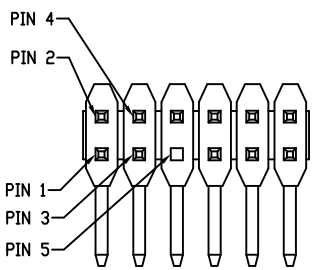
| PART NO.           | PDS.   | DIM*X" | DIM*Y" |
|--------------------|--------|--------|--------|
| 20021112-0XX52XXLF | 2 X 26 | 33.02  | 31.75  |
| 20021112-0XX54XXLF | 2 X 27 | 34.29  | 33.02  |
| 20021112-0XX56XXLF | 2 X 28 | 35.56  | 34.29  |
| 20021112-0XX58XXLF | 2 X 29 | 36.83  | 35.56  |
| 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

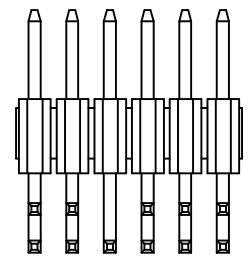
20021112- 0 X X XX X X LF

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                         |
|             |                |    |      | angles                      | .0±.30               |                        | UNSHROUDED HDR RA TH          |
|             |                |    |      | 0°±2'                       | .00±.20              | 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               | size                          |
|             |                |    |      | appd                        | BIAN RICK            | 08/01/12               | A3                            |
| sheet index | revision sheet |    |      |                             |                      |                        | type Product Customer Drawing |



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



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