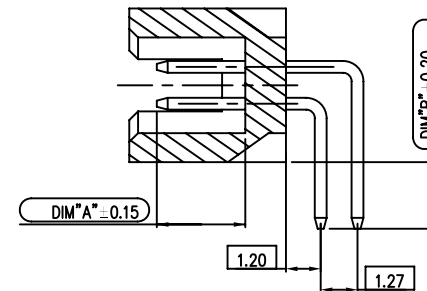
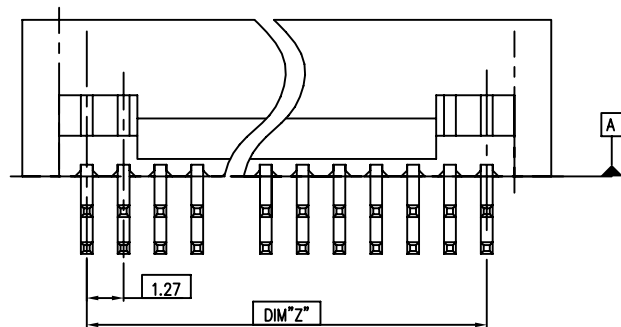
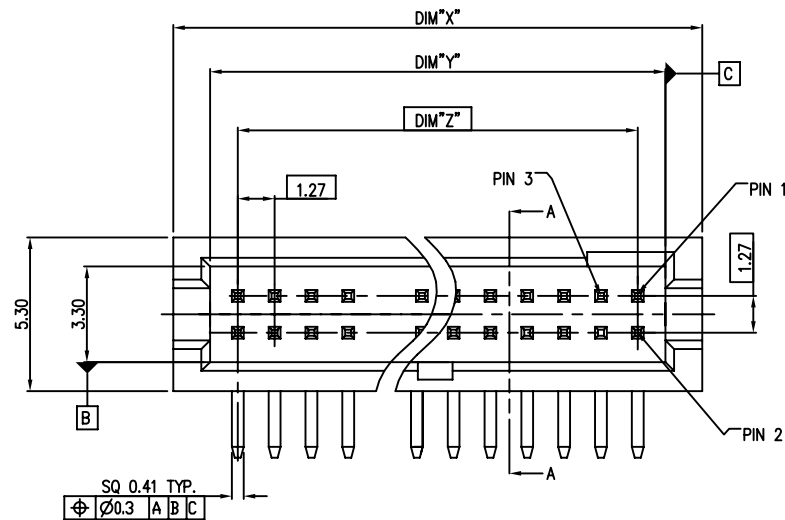
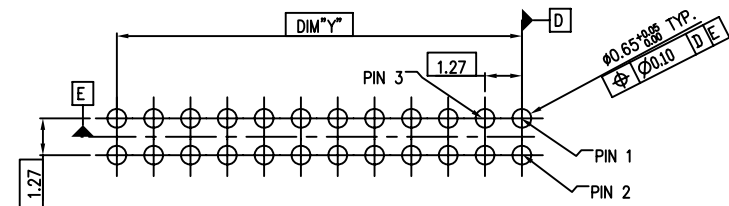


PART NO.  
20021212



SECTION A-A



RECOMMENDED PCB LAYOUT

SCALE 5.000

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

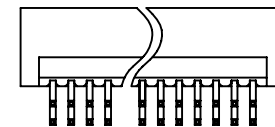
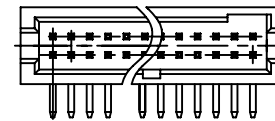
| mat'l. code |             |     |          | surface  |           |          | tolerance |          | projection | product family                |  |  |
|-------------|-------------|-----|----------|----------|-----------|----------|-----------|----------|------------|-------------------------------|--|--|
| ltr         | ecn no      | dr  | date     | ISO 1302 | ISO 406   | ISO 1101 | ISO 1101  | ISO 1101 |            | MINITEK127®                   |  |  |
| F           | ELX-N-23548 | TIM | 03/21/16 | angles   | linear    | linear   | .0±.30    | .00±.20  | mm         | title                         |  |  |
|             |             |     |          | 0°±2°    |           |          | .000±.10  |          | scale 1:1  | SHROUDED HDR RA TH            |  |  |
|             |             |     |          | dr       | ZK HU     | 08/07/12 |           |          |            | dwg no                        |  |  |
|             |             |     |          | engr     | ZK HU     | 08/07/12 |           |          |            | sheet 1 of 2                  |  |  |
|             |             |     |          | chr      | BIAN RICK | 08/07/12 |           |          |            | 20021212                      |  |  |
|             |             |     |          | appd     | BIAN RICK | 08/07/12 |           |          |            | A3                            |  |  |
| sheet       | revision    | F   | F        |          |           |          |           |          |            | type Product Customer Drawing |  |  |
| index       | sheet       | 1   | 2        |          |           |          |           |          |            |                               |  |  |

| PART NO.           | PDS.   | DIM"x" | DIM"y" | DIM"z" |
|--------------------|--------|--------|--------|--------|
| 20021212-XX06XXLF  | 2 X 3  | 6.99   | 4.45   | 2.54   |
| 20021212-XX08XXLF  | 2 X 4  | 8.26   | 5.72   | 3.81   |
| 20021212-XX010XXLF | 2 X 5  | 9.53   | 6.99   | 5.08   |
| 20021212-XX12XXLF  | 2 X 6  | 10.80  | 8.26   | 6.35   |
| 20021212-XX14XXLF  | 2 X 7  | 12.07  | 9.53   | 7.62   |
| 20021212-XX16XXLF  | 2 X 8  | 13.34  | 10.80  | 8.89   |
| 20021212-XX18XXLF  | 2 X 9  | 14.61  | 12.07  | 10.16  |
| 20021212-XX20XXLF  | 2 X 10 | 15.88  | 13.34  | 11.43  |
| 20021212-XX22XXLF  | 2 X 11 | 17.15  | 14.61  | 12.70  |
| 20021212-XX24XXLF  | 2 X 12 | 18.42  | 15.88  | 13.97  |
| 20021212-XX26XXLF  | 2 X 13 | 19.69  | 17.15  | 15.24  |
| 20021212-XX28XXLF  | 2 X 14 | 20.96  | 18.42  | 16.51  |
| 20021212-XX30XXLF  | 2 X 15 | 22.23  | 19.69  | 17.78  |
| 20021212-XX32XXLF  | 2 X 16 | 23.50  | 20.96  | 19.05  |
| 20021212-XX34XXLF  | 2 X 17 | 24.77  | 22.23  | 20.32  |
| 20021212-XX36XXLF  | 2 X 18 | 26.04  | 23.50  | 21.59  |
| 20021212-XX38XXLF  | 2 X 19 | 27.31  | 24.77  | 22.86  |
| 20021212-XX40XXLF  | 2 X 20 | 28.58  | 26.04  | 24.13  |
| 20021212-XX42XXLF  | 2 X 21 | 29.85  | 27.31  | 25.40  |
| 20021212-XX44XXLF  | 2 X 22 | 31.12  | 28.58  | 26.67  |
| 20021212-XX46XXLF  | 2 X 23 | 32.39  | 29.85  | 27.94  |
| 20021212-XX48XXLF  | 2 X 24 | 33.66  | 31.12  | 29.21  |
| 20021212-XX50XXLF  | 2 X 25 | 34.93  | 32.39  | 30.48  |
| 20021212-XX52XXLF  | 2 X 26 | 36.20  | 33.66  | 31.75  |
| 20021212-XX54XXLF  | 2 X 27 | 37.47  | 34.93  | 33.02  |
| 20021212-XX56XXLF  | 2 X 28 | 38.74  | 36.20  | 34.29  |
| 20021212-XX58XXLF  | 2 X 29 | 40.01  | 37.47  | 35.56  |
| 20021212-XX60XXLF  | 2 X 30 | 41.28  | 38.74  | 36.83  |
| 20021212-XX62XXLF  | 2 X 31 | 42.55  | 40.01  | 38.10  |
| 20021212-XX64XXLF  | 2 X 32 | 43.82  | 41.28  | 39.37  |
| 20021212-XX66XXLF  | 2 X 33 | 45.09  | 42.55  | 40.64  |
| 20021212-XX68XXLF  | 2 X 34 | 46.36  | 43.82  | 41.91  |
| 20021212-XX70XXLF  | 2 X 35 | 47.63  | 45.09  | 43.18  |
| 20021212-XX72XXLF  | 2 X 36 | 48.90  | 46.36  | 44.45  |
| 20021212-XX74XXLF  | 2 X 37 | 50.17  | 47.63  | 45.72  |
| 20021212-XX76XXLF  | 2 X 38 | 51.44  | 48.90  | 46.99  |
| 20021212-XX78XXLF  | 2 X 39 | 52.71  | 50.17  | 48.26  |
| 20021212-XX80XXLF  | 2 X 40 | 53.98  | 51.44  | 49.53  |
| 20021212-XX82XXLF  | 2 X 41 | 55.25  | 52.71  | 50.80  |
| 20021212-XX84XXLF  | 2 X 42 | 56.52  | 53.98  | 52.07  |
| 20021212-XX86XXLF  | 2 X 43 | 57.79  | 55.25  | 53.34  |
| 20021212-XX88XXLF  | 2 X 44 | 59.06  | 56.52  | 54.61  |
| 20021212-XX90XXLF  | 2 X 45 | 60.33  | 57.79  | 55.88  |

| PART NO.           | PDS.   | DIM"x" | DIM"y" | DIM"z" |
|--------------------|--------|--------|--------|--------|
| 20021212-XXX92XXLF | 2 X 46 | 61.60  | 59.06  | 57.15  |
| 20021212-XXX94XXLF | 2 X 47 | 62.87  | 60.33  | 58.42  |
| 20021212-XXX96XXLF | 2 X 48 | 64.14  | 61.60  | 59.69  |
| 20021212-XXX98XXLF | 2 X 49 | 65.41  | 62.87  | 60.96  |
| 20021212-XXXA0XXLF | 2 X 50 | 66.68  | 64.14  | 62.23  |

20021212 - X X X XX X X LF

- LEAD FREE
- PLATING OPTIONAL
  - 1: GOLD FLASH AT CONTACT, 127um MIN. MATTE TIN AT TAIL
  - 2: GOLD FLASH AT CONTACT, GOLD FLASH AT TAIL
  - 4: 0.25um Au MIN. AT CONTACT, 127um MIN.MATTE TIN AT TAIL
  - 5: 0.25um Au MIN. AT CONTACT, GOLD FLASH AT TAIL
  - 6: 0.38um GXT MIN. AT CONTACT, 127um MIN.MATTE TIN AT TAIL
  - 7: 0.38um GXT MIN. AT CONTACT, GOLD FLASH AT TAIL
  - 8: 0.76um GXT MIN. AT CONTACT, 127um MIN.MATTE TIN AT TAIL
  - 9: 0.76um GXT MIN. AT CONTACT, GOLD FLASH AT TAIL
- PACKING STYLE
  - T: TUBE
- PIN NO. SEE TABLE
- MATING LENGTH(DIM"A")
  - 0: 3.05MM,HOUSING:STANDARD
  - 1: 3.05MM,HOUSING:FILL 4 HOLES ON BOTH WALLS(40PIN ONLY,SEE VIEW 1)
- TAIL LENGTH(DIM"B")
  - 0: 2.30MM (FOR 1.6MM PCB)
  - 1: 1.60MM (FOR 1.0MM PCB)
  - 2: 2.70MM (FOR 2.0MM PCB)
- RESERVE CODE
  - 0: STANDARD



VIEW 1:20021212-XX140XXLF

|             |          |       |      |                                                                                                                         |           |                                      |  |                                                                                |          |                            |                          |      |
|-------------|----------|-------|------|-------------------------------------------------------------------------------------------------------------------------|-----------|--------------------------------------|--|--------------------------------------------------------------------------------|----------|----------------------------|--------------------------|------|
| mat'l. code |          |       |      | surface <input checked="" type="checkbox"/> ISO 1302 <input type="checkbox"/> ISO 406 <input type="checkbox"/> ISO 1101 |           | tolerance unless otherwise specified |  | projection <input checked="" type="checkbox"/> 1:1 <input type="checkbox"/> mm |          | product family MINITEK127® |                          |      |
| ltr         | ecn no   | dr    | date | angles                                                                                                                  |           | linear                               |  | mm                                                                             |          | title                      |                          |      |
| F           |          |       |      | 0°±2'                                                                                                                   |           | .0±.30<br>.00±.20<br>.000±.10        |  | scale 1:1                                                                      |          | SHROUDED HDR RA TH         |                          |      |
|             |          |       |      | dr                                                                                                                      | ZK HU     | 08/07/12                             |  |                                                                                | dwg no   |                            | sheet 2 of 2             | size |
|             |          |       |      | engr                                                                                                                    | ZK HU     | 08/07/12                             |  |                                                                                | 20021212 |                            | A3                       |      |
|             |          |       |      | chr                                                                                                                     | BIAN RICK | 08/07/12                             |  |                                                                                | type     |                            | Product Customer Drawing |      |
|             |          |       |      | app                                                                                                                     | BIAN RICK | 08/07/12                             |  |                                                                                |          |                            |                          |      |
| sheet index | revision | sheet |      |                                                                                                                         |           |                                      |  |                                                                                |          |                            |                          |      |