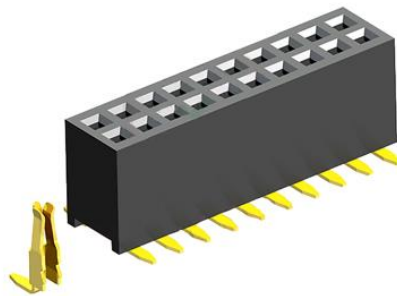
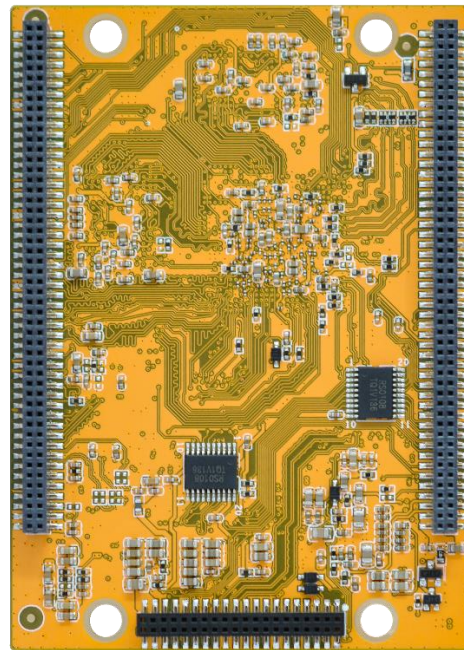
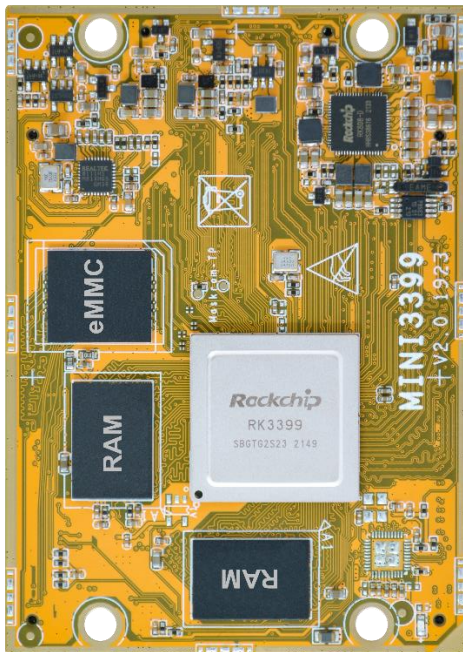


## MINI3399

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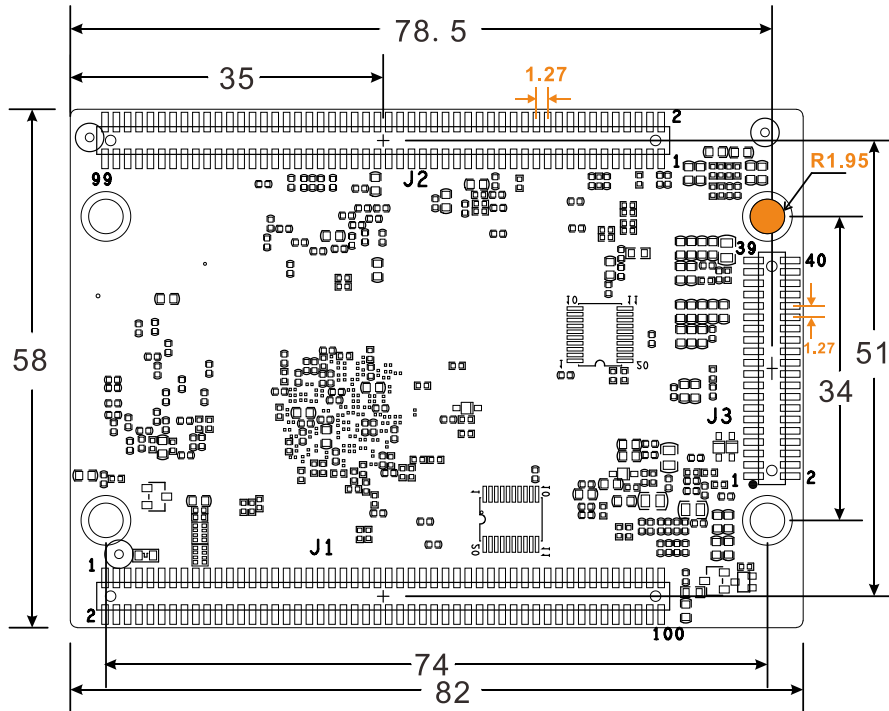
# Interface Connection





# 1 PCB Dimension

Figure 1. PCB Dimension

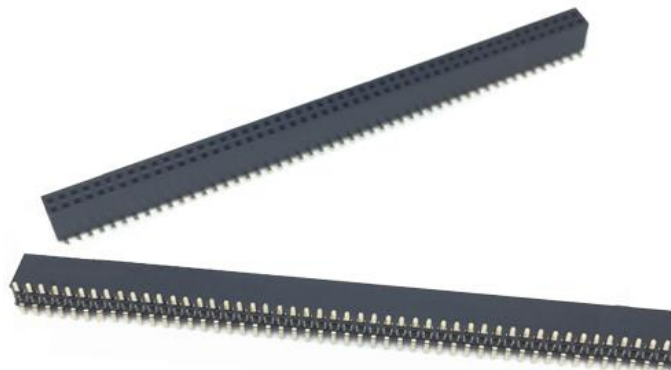


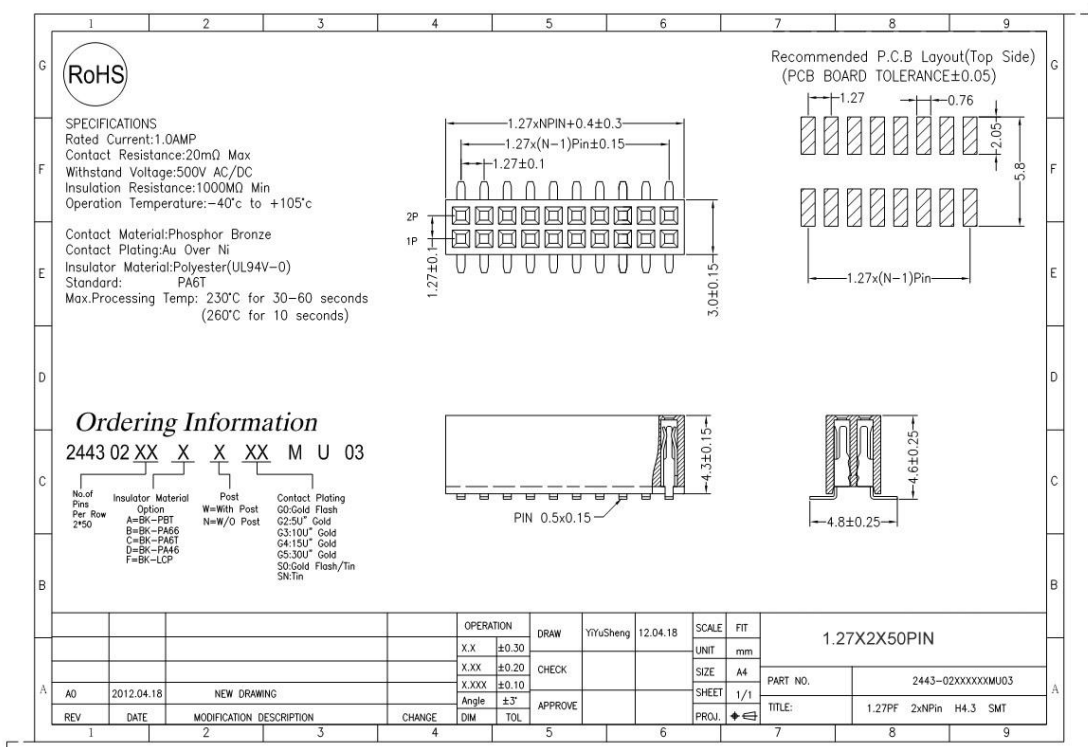
# 2 Interface Connection

MINI3399 adopts two 100P(2x50P) and a 40P(2x20P) 1.27mm pitch SMT Female Header as the connectors. The female connectors on the CPU board, and the male connectors on the baseboard.

## 2.1 Female Header Specifications (female connector)

Figure 2. Female Pin Header (female connector)





## 2.2 Pin Headers Specifications (male connector)

**Figure 3. Pin Header (male connector)**





| <p><b>RoHS</b></p> <p><b>SPECIFICATIONS</b><br/>         Rated Current:1.0AMP<br/>         Contact Resistance:20mΩ Max<br/>         Withstand Voltage:500V AC/DC<br/>         Insulation Resistance:1000MΩ Min<br/>         Operation Temperature:-40°c to +105°c</p> <p>Contact Material:Brass<br/>         Contact Plating:Au or Sn Over Ni<br/>         Insulator Material:Polyester(UL94V-0)<br/>         Standard: PA6T<br/>         Max.Processing Temp: 230°C for 30-60 seconds<br/>         (260°C for 10 seconds)</p> |  | <p>Recommended P.C.B Layout(Top Side)<br/>(PCB BOARD TOLERANCE±0.05)</p>  |  |   |            |     |                     |      |     |      |    |      |          |      |       |       |      |           |         |       |          |                     |     |     |  |        |                        |
|--|--|---|--|---|------------|-----|---------------------|------|-----|------|----|------|----------|------|-------|-------|------|-----------|---------|-------|----------|---------------------|-----|-----|--|--------|------------------------|
| <p><b>Ordering Information</b><br/> <b>1410-12 XX X X XX M XXX 01</b></p> <table border="0" style="font-size: small;"> <tr> <td>No of Pins Per Row: 2x50</td> <td>Insulator Material Option:<br/>A=BK-PA6T<br/>B=BK-PA6G<br/>C=BK-PA6F<br/>D=BK-PA46<br/>F=BK-LCP</td> <td>Post:<br/>W=With Post<br/>N=W/O Post</td> <td>Contact Plating:<br/>G0:Gold Flash<br/>G2:50° Gold<br/>G3:105° Gold<br/>G4:150° Gold<br/>G5:300° Gold<br/>S0:Gold Flash/Tin<br/>SN:tin</td> <td>Pin Length</td> </tr> </table>                        | No of Pins Per Row: 2x50   | Insulator Material Option:<br>A=BK-PA6T<br>B=BK-PA6G<br>C=BK-PA6F<br>D=BK-PA46<br>F=BK-LCP  | Post:<br>W=With Post<br>N=W/O Post   | Contact Plating:<br>G0:Gold Flash<br>G2:50° Gold<br>G3:105° Gold<br>G4:150° Gold<br>G5:300° Gold<br>S0:Gold Flash/Tin<br>SN:tin | Pin Length |     |                     |      |     |      |    |      |          |      |       |       |      |           |         |       |          |                     |     |     |  |        |                        |
| No of Pins Per Row: 2x50   | Insulator Material Option:<br>A=BK-PA6T<br>B=BK-PA6G<br>C=BK-PA6F<br>D=BK-PA46<br>F=BK-LCP | Post:<br>W=With Post<br>N=W/O Post  | Contact Plating:<br>G0:Gold Flash<br>G2:50° Gold<br>G3:105° Gold<br>G4:150° Gold<br>G5:300° Gold<br>S0:Gold Flash/Tin<br>SN:tin  | Pin Length  |            |     |                     |      |     |      |    |      |          |      |       |       |      |           |         |       |          |                     |     |     |  |        |                        |
|  |  | <table border="1" style="font-size: x-small;"> <thead> <tr> <th colspan="5">Dimension antitheses list</th> </tr> <tr> <th>ITEM</th> <th>PB</th> <th>PA</th> <th>W</th> <th>L</th> </tr> </thead> <tbody> <tr> <td>Standard</td> <td>1.50</td> <td>4.00</td> <td>5.30</td> <td>7.20</td> </tr> <tr> <td>Alternate</td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table> | Dimension antitheses list  |   |            |     |                     | ITEM | PB  | PA   | W  | L    | Standard | 1.50 | 4.00  | 5.30  | 7.20 | Alternate |         |       |          |                     |     |     |  |        |                        |
| Dimension antitheses list  |  |   |  |   |            |     |                     |      |     |      |    |      |          |      |       |       |      |           |         |       |          |                     |     |     |  |        |                        |
| ITEM   | PB   | PA  | W  | L   |            |     |                     |      |     |      |    |      |          |      |       |       |      |           |         |       |          |                     |     |     |  |        |                        |
| Standard   | 1.50   | 4.00  | 5.30   | 7.20  |            |     |                     |      |     |      |    |      |          |      |       |       |      |           |         |       |          |                     |     |     |  |        |                        |
| Alternate  |  |   |  |   |            |     |                     |      |     |      |    |      |          |      |       |       |      |           |         |       |          |                     |     |     |  |        |                        |
|  |  |   | <table border="1" style="font-size: x-small;"> <tr> <td>OPERATION</td> <td>SCALE</td> <td>FIT</td> <td colspan="2" rowspan="4" style="text-align: center; vertical-align: middle;"><b>1.27X2X50PIN</b></td> </tr> <tr> <td>X.X</td> <td>UNIT</td> <td>mm</td> </tr> <tr> <td>X.XX</td> <td>CHECK</td> <td>A4</td> </tr> <tr> <td>X.XXX</td> <td>SHEET</td> <td>1/1</td> </tr> <tr> <td>Angle</td> <td>APPROVE</td> <td>PROJ.</td> <td>PART NO.</td> <td>1410-12XXXXXXMXXX01</td> </tr> <tr> <td>DIM</td> <td>TOL</td> <td></td> <td>TITLE:</td> <td>1.27PH 2xNPin H1.0 SMT</td> </tr> </table> | OPERATION   | SCALE      | FIT | <b>1.27X2X50PIN</b> |      | X.X | UNIT | mm | X.XX | CHECK    | A4   | X.XXX | SHEET | 1/1  | Angle     | APPROVE | PROJ. | PART NO. | 1410-12XXXXXXMXXX01 | DIM | TOL |  | TITLE: | 1.27PH 2xNPin H1.0 SMT |
| OPERATION  | SCALE  | FIT   | <b>1.27X2X50PIN</b>  |   |            |     |                     |      |     |      |    |      |          |      |       |       |      |           |         |       |          |                     |     |     |  |        |                        |
| X.X  | UNIT   | mm  |  |   |            |     |                     |      |     |      |    |      |          |      |       |       |      |           |         |       |          |                     |     |     |  |        |                        |
| X.XX   | CHECK  | A4  |  |   |            |     |                     |      |     |      |    |      |          |      |       |       |      |           |         |       |          |                     |     |     |  |        |                        |
| X.XXX  | SHEET  | 1/1   |  |   |            |     |                     |      |     |      |    |      |          |      |       |       |      |           |         |       |          |                     |     |     |  |        |                        |
| Angle  | APPROVE  | PROJ.   | PART NO.   | 1410-12XXXXXXMXXX01   |            |     |                     |      |     |      |    |      |          |      |       |       |      |           |         |       |          |                     |     |     |  |        |                        |
| DIM  | TOL  |   | TITLE:   | 1.27PH 2xNPin H1.0 SMT  |            |     |                     |      |     |      |    |      |          |      |       |       |      |           |         |       |          |                     |     |     |  |        |                        |
| 1  | 2  | 3   | 4  | 5   | 6          | 7   | 8                   | 9    |     |      |    |      |          |      |       |       |      |           |         |       |          |                     |     |     |  |        |                        |