MINI4412

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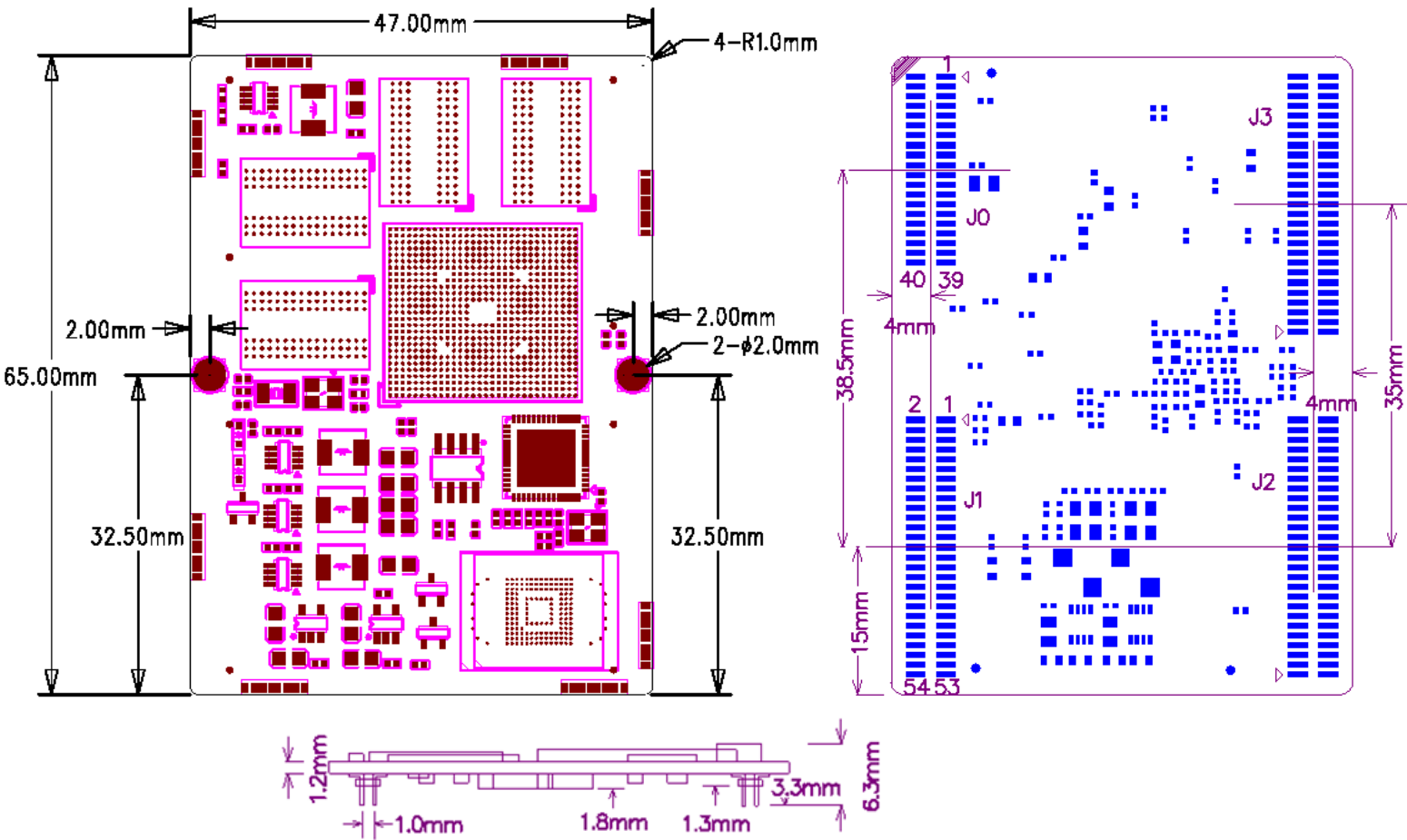
Interface Connection

1 PCB Dimension

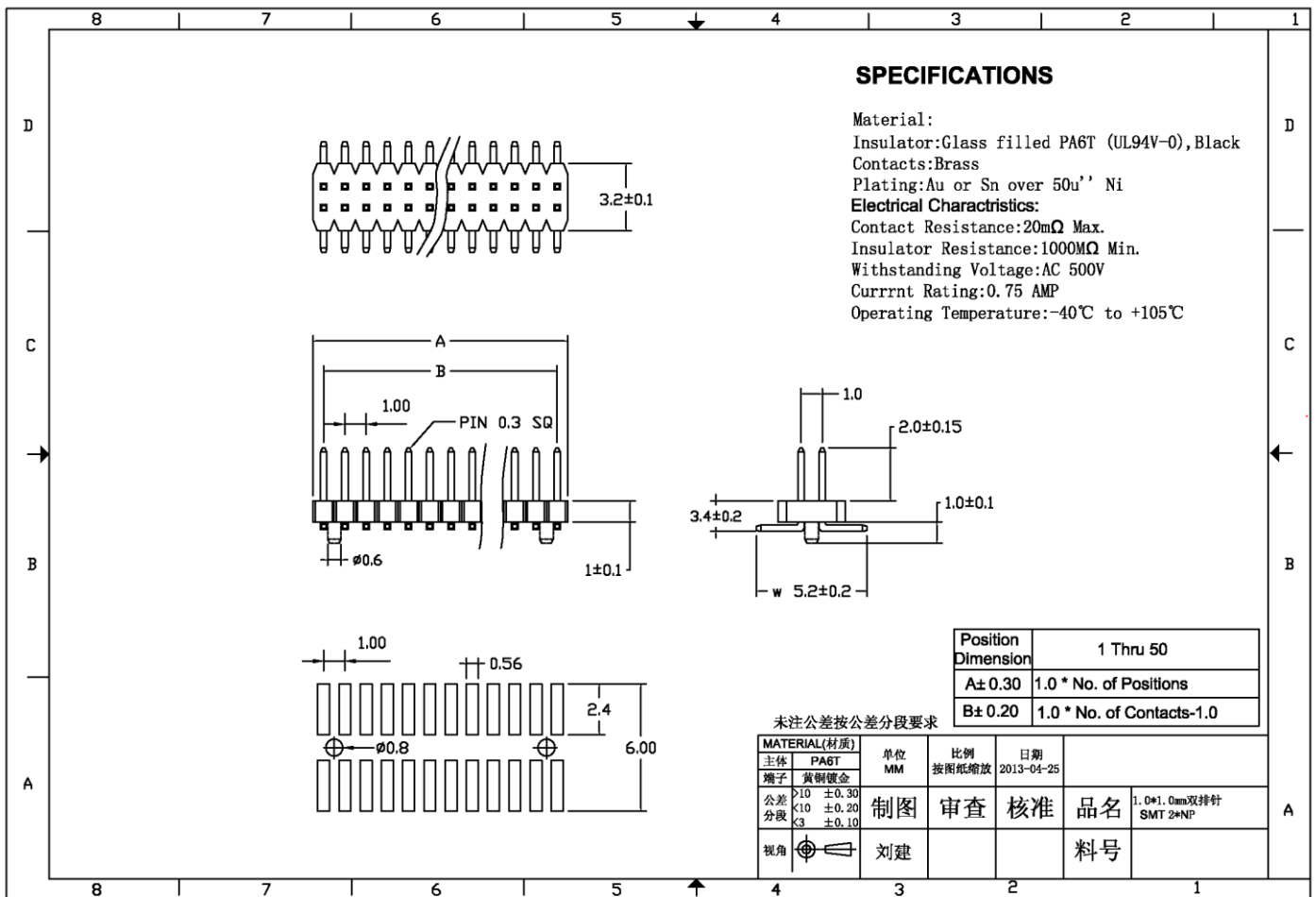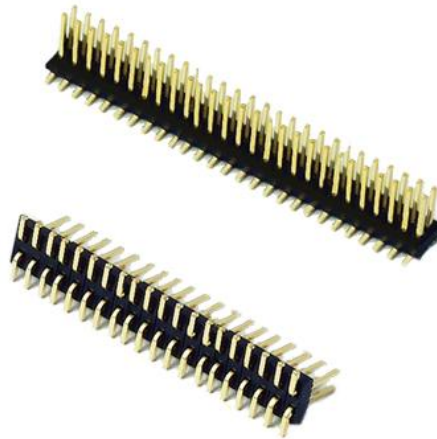*Figure 1.   PCB Dimension*

2 Interface Connection

MINI4412 uses 3pcs 54Pin (2*27P) and 1pcs 40Pin (2*20P) 1.0mm pitch, 1.0mm height
SMT Pin Header as the connectors. The male connector (SMT Type) is on the CPU board,
and the female connector (DIP Type) is on the baseboard

2.1 Pin Headers Specifications (male connector)

Figure 2.   Pin Header (male connector)

SPECIFICATIONS

Material:
Insulator:Glass filled PA6T (UL94V-0),Black
Contacts:Brass
Plating:Au or Sn over 50u'' Ni
Electrical Charactristics:
Contact Resistance:20mΩ Max.
Insulator Resistance:1000MΩ Min.
Withstanding Voltage:AC 500V
Currrnt Rating:0.75 AMP
Operating Temperature:-40℃ to +105℃

PIN 0.3 SQ

3.2±0.1

1.00

Ø0.6

1±0.1

1.0

2.0±0.15

3.4±0.2

1.0±0.1

w 5.2±0.2

1.00

0.56

2.4

Ø0.8

6.00

未注公差按公差分段要求

Position Dimension	1 Thru 50	
A± 0.30	1.0 * No. of Positions	
B± 0.20	1.0 * No. of Contacts-1.0	

MATERIAL(材质)		单位	比例	日期		
主体	PA6T	MM	按图纸缩放	2013-04-25		
端子	黄铜镀金					
公差分段	>10 ±0.30 K10 ±0.20 K3 ±0.10	制图	审查	核准	品名	1.0*1.0mm双排针 SMT 2*NP
视角		刘建			料号	

2.2 Female connector Specifications

Figure 3.   Female connector

SPECIFICATIONS

Material:
Insulator:Glass filled PA6T (UL94V-0),Black
Contacts:Brass
Plating:1u"Au
Electrical Charactristics:
Contact Resistance:20mΩ Max.
Insulator Resistance:500MΩ Min.
Withstanding Voltage:AC 500V
Currrnt Rating:0.75 AMP
Operating Temperature:-40℃ to +105℃

2.5±0.1

2.5±0.1

A

2.0±0.1

1.0

B

PIN 0.32X0.15

2.0±0.15

1.0±0.1

Ø0.6

1.0

1.0

PCB LAYOUT

未注公差按公差分段要求

Position Dimension	1 Thru 40
A± 0.20	1.0 * No. of Positions+0.4
B± 0.20	1.0 * No. of Contacts-1.0

MATERIAL(材质)		单位 MM	比例 按图纸缩放	日期 2013-06-20		
主体	PA6T					
端子	黄铜镀金					
公差分段	>10 ±0.30 <10 ±0.20 <3 ±0.10	制图	审查	核准	品名	1.0X2.0排母2*NP
视角		刘建			料号	