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Thank you for purchasing HUAWEI ME906A LTE M.2 Module (hereinafter referred to as the ME906A)

Note:

- This manual briefly describes the preparation, the process for PCB Design, Assembly and safety precautions.
- It is recommended to read the manual before using the ME906A.

Getting to Know the ME906A

- The ME906A module is 75 pin Gold Finger with a dimension of 42 mm × 30 mm × 2.3mm. It is applied to the user interface board, and can be used as a wireless terminal in a network environment.

❶ Antenna interface

It is used to connect and fix an antenna.

❷ Fixing hole

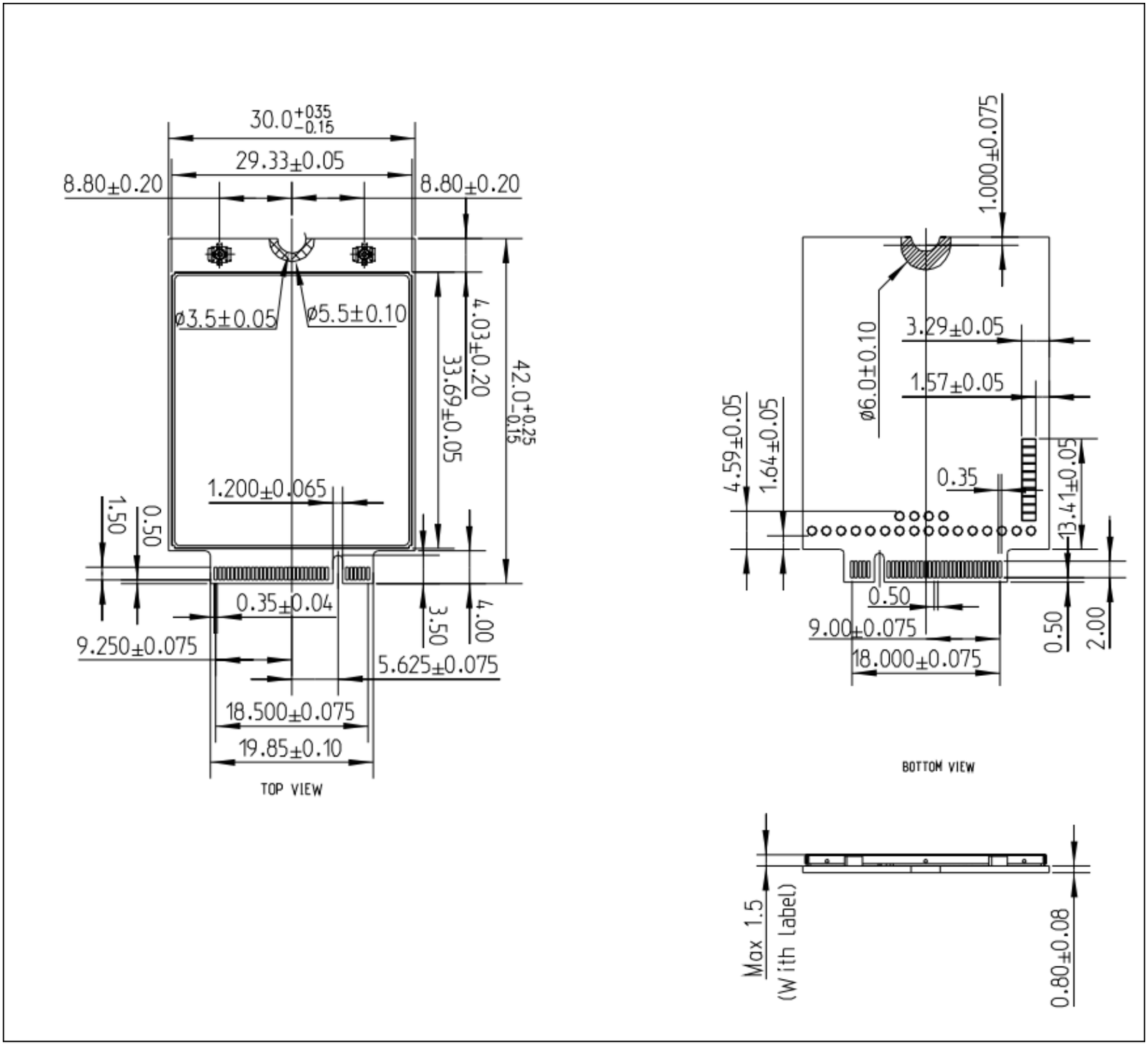
A screw, metal fastener, and nut are used to fix an ME906A module on a development board through this fixing hole.

❸ Gold Finger

It is connected to the M.2 connector on the development board.

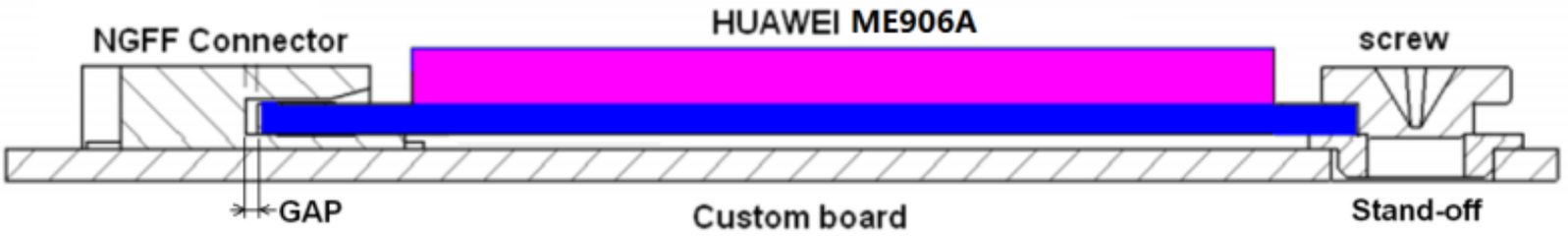
Note:

- In certain cases, your development board may be disassembled only by the professionals.
- Before you install the ME906A onto the development board, consult the development board manufacturer or read the user manual of the development board.


30.0+035−0.15
29.33±0.05
8.80±0.20
8.80±0.20
ø3.5±0.05
ø5.5±0.10
4.03±0.20
33.69±0.05
42.0+0.25−0.15
1.200±0.065
1.50
0.50
0.35±0.04
3.50
4.00
9.250±0.075
5.625±0.075
18.500±0.075
19.85±0.10
TOP VIEW
1.000±0.075
ø6.0±0.10
3.29±0.05
1.57±0.05
4.59±0.05
1.64±0.05
0.35
13.41±0.05
0.50
9.00±0.075
18.000±0.075
0.50
2.00
BOTTOM VIEW
Max 1.5
(With label)
0.80±0.08

Assembly

Through the M.2 connector



Installation Guide

Installing and Using an ME906A Module

1. Connect an antenna connector to the antenna interface of an ME906A.

Note:

- Insert the antenna connectors vertically into the antenna interfaces of the ME906A.
- Do not pinch the antenna cable or damage the connectors. Otherwise, the wireless performance of the ME906A be reduced or the ME906A cannot work normally.
- Ensure that the antenna is placed normally.

2. Fasten the golden finger in the ME906A module to a M.2 connector of a development board to fix the ME906A module on the development board.
3. Place a metal fastener between the ME906A module and the development board. Put a screw through the fixing hole of the ME906A, metal fastener, and fixing hole of the development board in sequence. Then fasten a nut on the screw.
4. Insert a UIM card into the UIM card socket in the development board.

Removing an ME906A Module from a Development Board

1. Remove the UIM card from the UIM card socket.
2. Power off
3. Remove the screw on the ME906A module.
4. Remove the ME906A module from the development board.
5. Remove the antenna from the ME906A module.