

1.6 Evaluation Board

Evaluation board for CSE-M53N is equipped a RS45 connector and a D-SUB 9 pin Male connector including the 5V DC power connector.

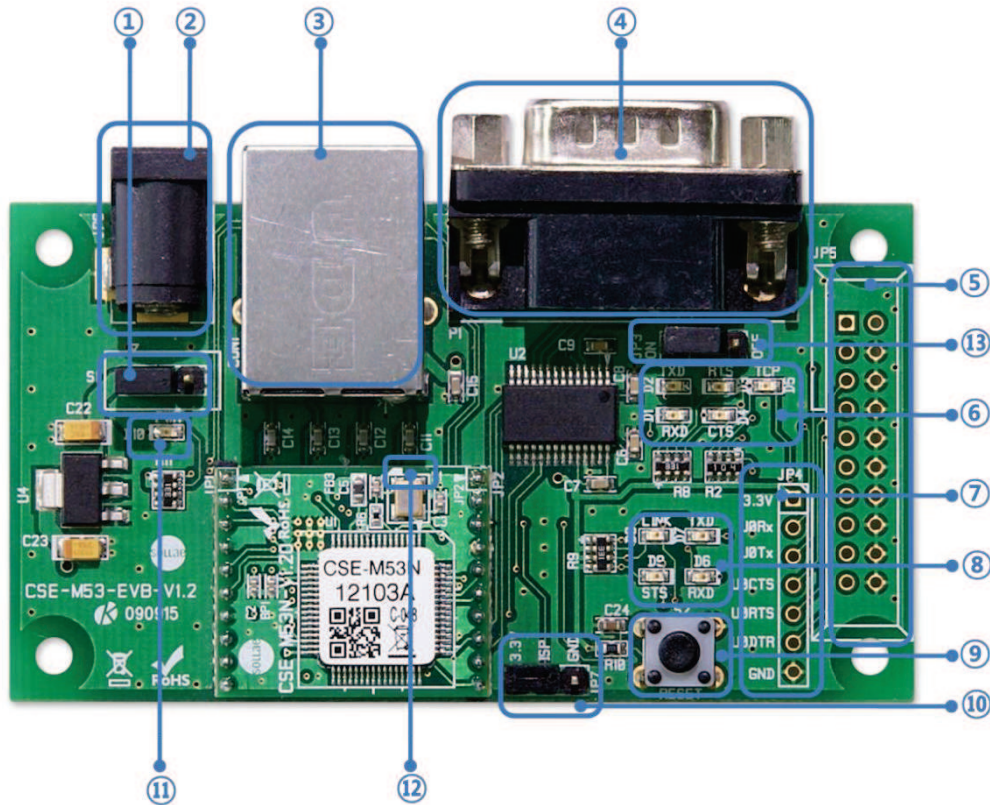


Figure 1-7 EVB for CSE-M53N

1.6.1 Parts

- ① Power Control Jumper: To control supplying the power to the EVB or not.

Division	▽		
Connection			
Disconnection			

Figure 1-8 power control jumper

- ② DC Power Connector: Terminal for connecting DC 5V Power
 ③ RJ45 Connector: Terminal for connecting UTP cable for Ethernet
 ④ D-SUB 9 Male Connector: Terminal for connecting 9 pin D-SUB connector for RS-232
 ⑤ JP5: Only used at the Factory (When producing the product)

⑥ LED Group 1

Name	Color	Description
RXD (D1)	Green	Blinks, when CSE-M53N receives data from the serial port
TXD (D2)		Blinks, when CSE-M53N sends data to the serial port
RTS (D3)		On, when CSE-M53N is available on receiving data
CTS (D4)		On, when CSE-M53N is available on sending data
TCP		On, when CSE-M53N is connected with a remote host on TCP

Table 1-7 LED Group 1

⑦ TTL Port: For 3.3V TTL logic level communication

⑧ LED Group 2

Name	Color	Description
RXD (D6)	Green	Blinks, when CSE-M53N receives data from the Ethernet port
TXD (D7)		Blinks, when CSE-M53N sends data to the Ethernet port
LINK (D8)		On, when CSE-M53N is connected with the Ethernet
STS (D9)		On, when CSE-M53N is connected with a remote host on TCP
		Blinks in every second, when CSE-M53N is in normal mode
		Blinks 4times at once, when any IP addresses have not been assigned to CSE-M53N from DHCP or PPPoE servers

Table 1-8 LED Group 2

⑨ Reset S/W: S/W for re supplying the power to the EVB

⑩ JP7: A port for changing modes

Division	3.3V	ISP	GND
Normal			
ISP			
Serial Configuration		less than 1 sec	

Figure 1-8 JP7 for Changing modes

⑪, ⑫ LED Groups 3 and 4

Name	Color	Description
PWR (D10)	Red	On, when the power is supplied to the EVB
D1	Orange	Slowly Blinks, when the power is supplied to the CSE-M53N
		Shortly Blinks, when the CSE-M53N is operates in ISP mode

Table 1-8 LED Groups 3 and 4

⑬ JP3: A port for enabling or disabling outputs of RS232 line driver (Disable this port when using TTL level)

1.6.2 Dimension

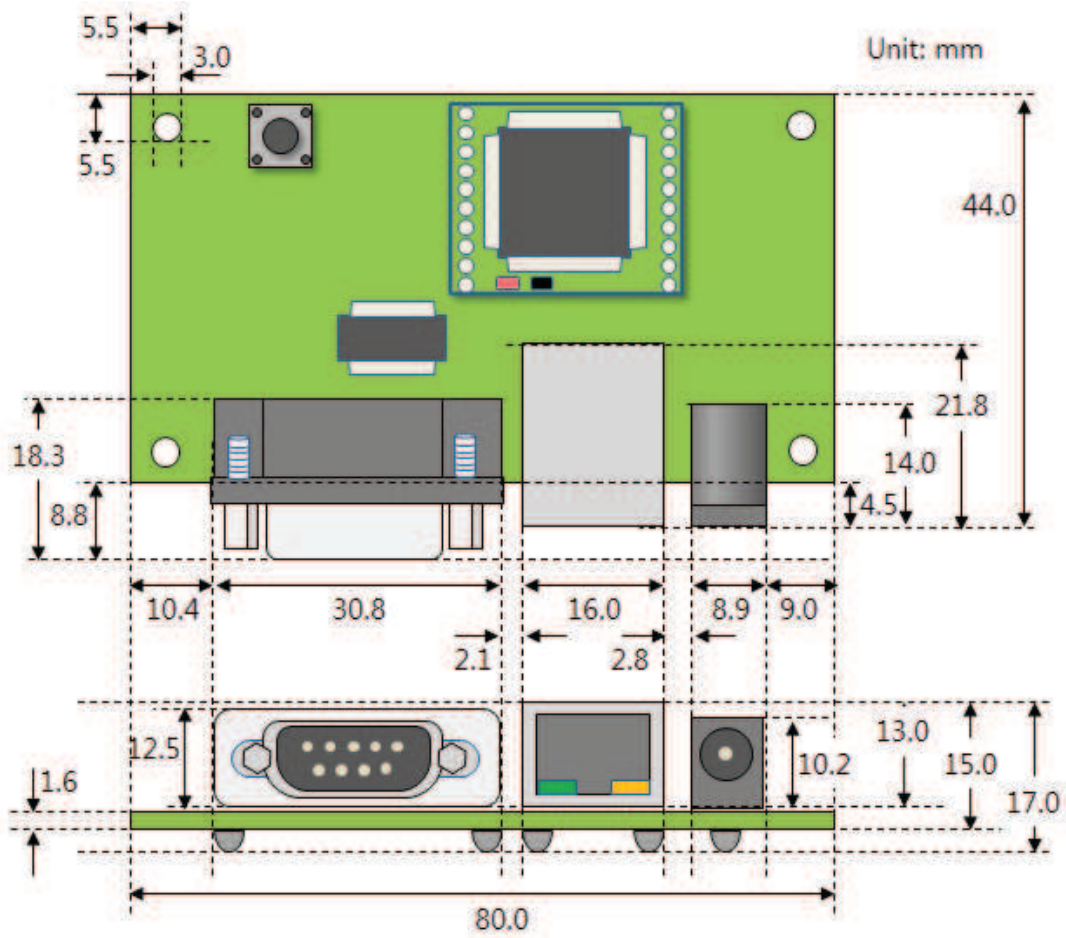


Figure 1-9 Dimension of evaluation board

☞ According to conditions of soldering components, the dimensions might be differed with the above figure. Thus, we recommend giving some extra spaces about 1 ~ 2 mm.