

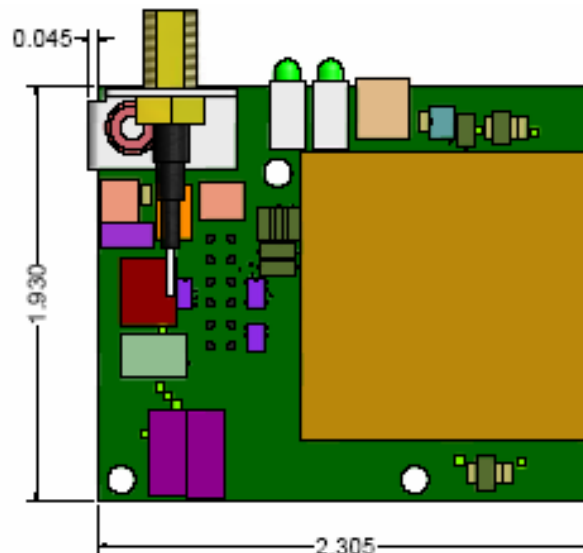
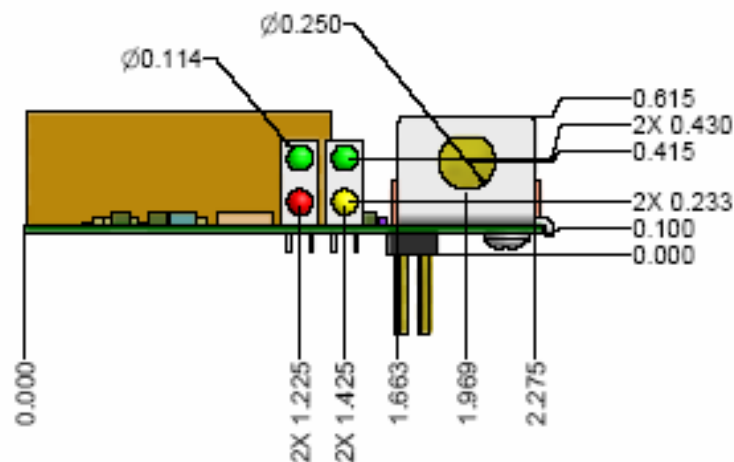
WiMicro Overview

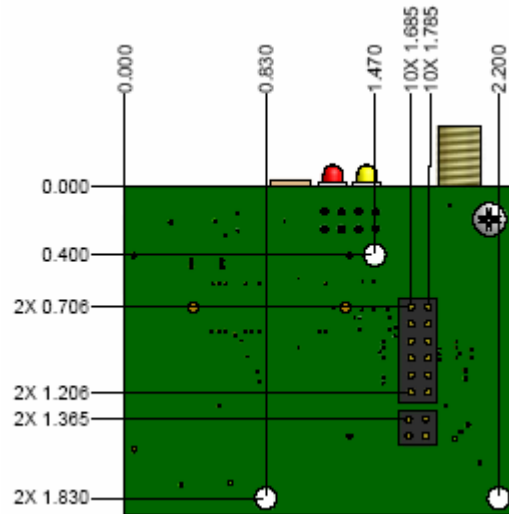
The WiMicro board provides a quick and easy solution for adding 802.11b wireless technology for Lantronix OEM customer's products that already integrate Cobox-Micro or Micro100 embedded Ethernet device servers. The WiMicro adds the flexibility for existing OEM customers to offer Ethernet or Wireless with little or no modification to their existing design. The WiMicro board, which includes a Lantronix WiPort Embedded 802.11b Wireless device server, plugs directly into the existing interface and uses the same mounting holes as the original Micro and Micro100 products. The LEDs and antenna are positioned in the same locations as the original Micro/Micro100 LEDs and Ethernet RJ45 connector making this a simple drop in solution.

Mechanical

Board Dimensions

The following diagrams illustrate the clearance requirements:

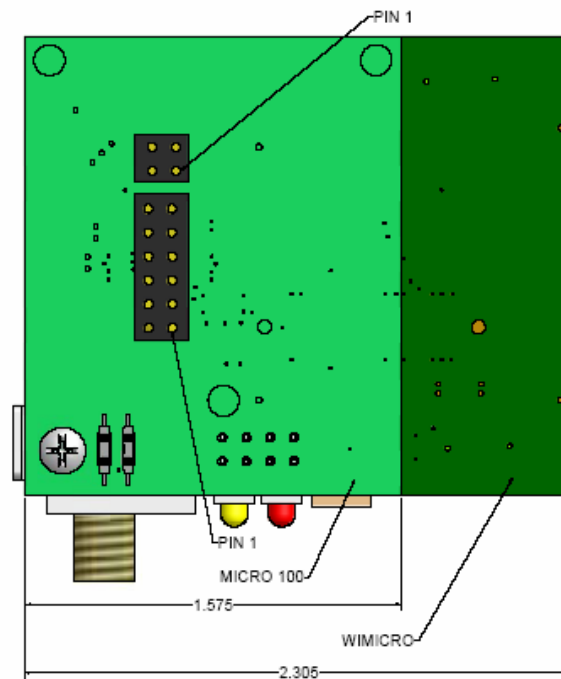




Mounting

Use a 4-40 or M3 screws in the three holes to secure to the surface.

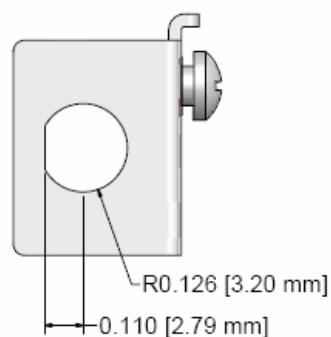
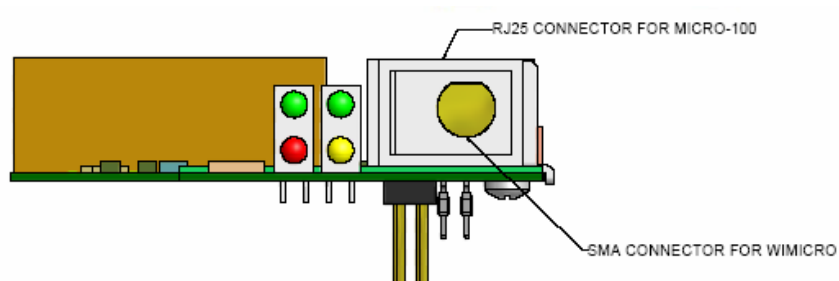
Overlay with an Existing Micro



Note: All units are in inches. The tolerance is +/- 0.005 inches.

Antenna Connector and RJ45 Connector

Do not stretch the coax, twist the coax, or over torque the R-SMA jack if you are not using the antenna jack on the bracket.



Electrical

Serial TTL and GPIO Connector Pin Assignments

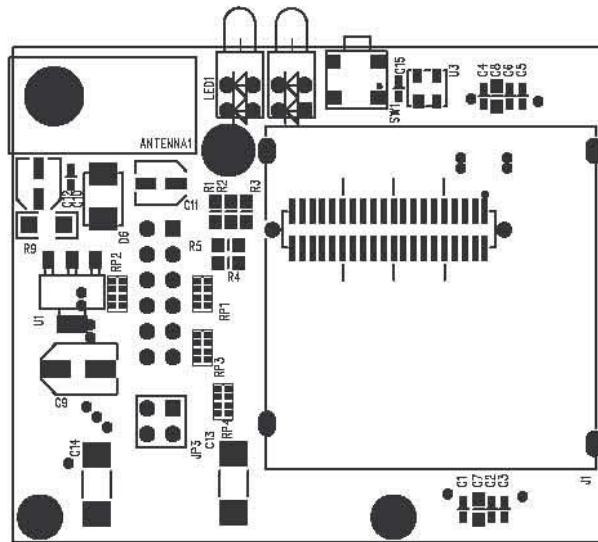
TOP VIEW

JP1

2=GND	●	1=5Vin
4=TX0	●	3=RX0
6=DTR0	●	5=RTS0
8=DCD0	●	7=CTS0
10=RESET#	●	9=RVA/TX_EN
12=TX1	●	11=RX1

2=CP7	■	1=CP1
4=CP8	■	3=CP4

JP3



Voltage and Current Power Requirements

WiMicro voltage: 5V +/- 5%.

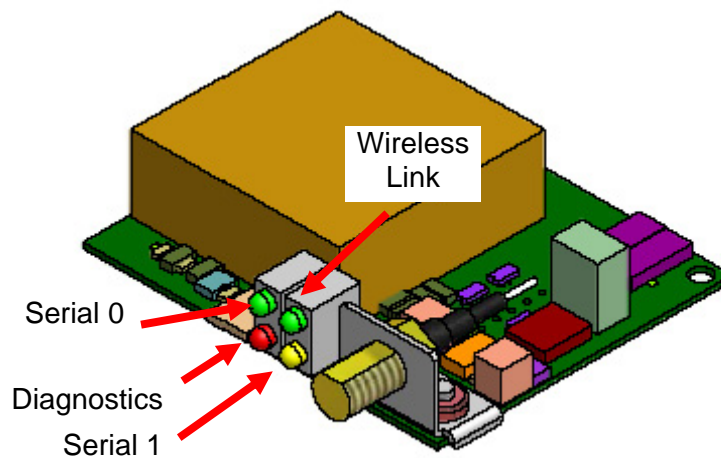
WiMicro current:

388 mA typically in WLAN mode (maximum data rate)

248 mA typically in WLAN mode (idle)

In-rush current (on 5 VDC): 3.5A

LED Indications



Environmental

Standard Temperature Range: 0°C to 70°C (32°F to 158°F)
Storage Temperature: -40°C to 85°C (-40°F to 185°F)