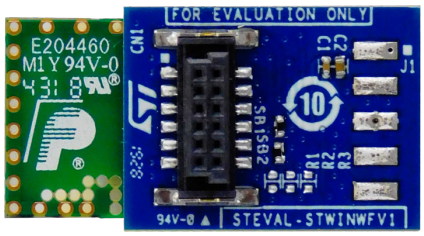
STEVAL-STWINWFV1

Data brief

Wi-Fi expansion for the SensorTile Wireless Industrial Node (STWIN) kit



Features

- Wi-Fi adapter for STWIN (STEVAL-STWINKT1)
- Plugs into STWIN core system board through dedicated 12-pin connector
- Single 3.3 V power supply input
- ISM43362-M3G-L44-E Wi-Fi module:
  - 802.11 b/g/n Compatible based on Broadcom MAC/Baseband/Radio device
  - Fully contained TCP/IP stack
  - Host interface: SPI up to 25 MHz
  - Network features ICMP (Ping), ARP, DHCP,TCP, UDP
  - Low power operation (3.3 V supply) with built-in low power modes
  - Secure Wi-Fi authentication WEP-128, WPA-PSK (TKIP), WPA2-PSK
  - CE certified
  - FCC certified
  - IC certified
- RoHS and China RoHS compliant
- WEEE compliant

Description

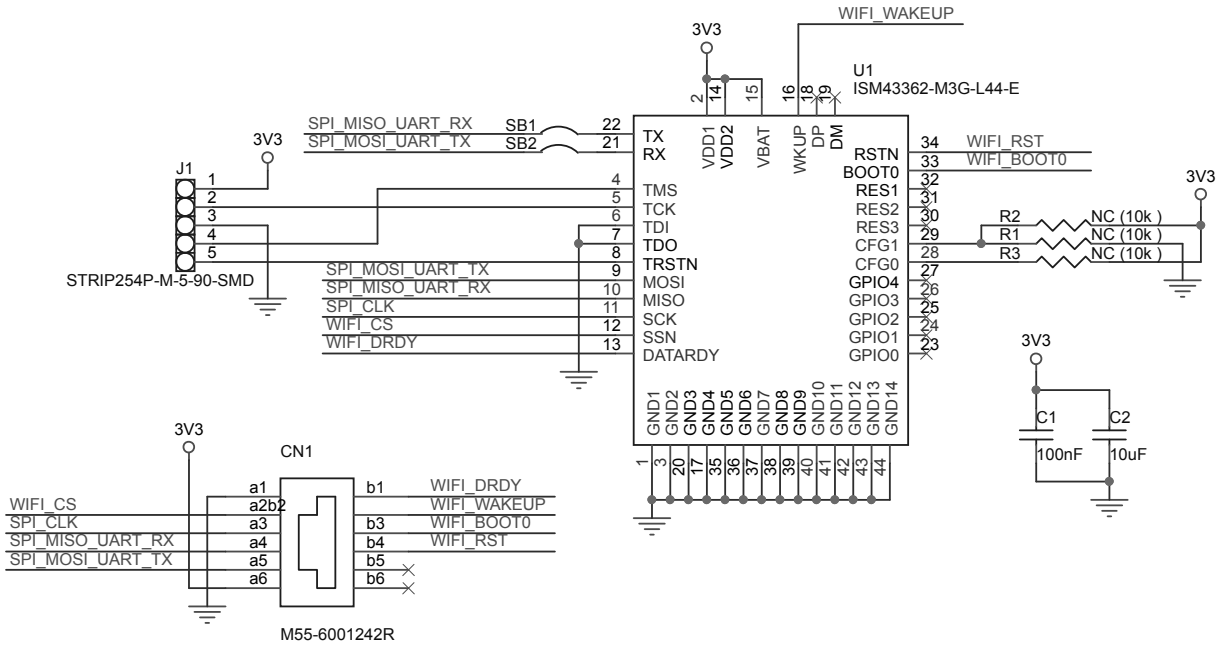
The STEVAL-STWINWFV1 expansion board adds 2.4 GHz Wi-Fi connectivity to the SensorTile Wireless Industrial Node (STWIN) kit (STEVAL-STWINKT1).

Application examples that take advantage of this expansion board can be found in STSW-STWINKT01 firmware package as well as in the FP-IND-PREDMNT1 Predictive Maintenance Function Pack.

Product summary	
Wi-Fi expansion board for the STWIN development kit	STEVAL-STWINWFV1
STWIN SensorTile Wireless Industrial Node development kit	STEVAL-STWINKT1
Firmware for STEVAL-STWINKT1 evaluation kit	STSW-STWINKT01

1 Schematic diagrams

Figure 1. STEVAL-STWINWFV1 schematic



Revision history

Table 1. **Document revision history**

Date	Version	Changes
29-Jul-2019	1	Initial release.

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