

LED's

R2 4.7K, 1% USART3_RX

R5 4.7K, 1% USART3_TX

R6 1K, 1% GND

BOOT1

LED-PWR R12 680,1% Power

LED-PTT R13 680,1% PTT

LED-RT R15 680,1% Sync

LED-ERR R16 680,1% Clip/Error

LED1 LED-RE

LED2 LED-RE

LED3 LED-GR

LED4 LED-YE

GND

VDD

R4 4.7K, 1%

TEST

J1 JMP-2PIN

GND



3.3V TTL Levels

CN11 HDR100-3

1 USART3 TX

2 USART3 RX

3 GND

The schematic diagram illustrates the USB interface circuit for the EMIF02-USB03F2 module. The circuit includes a USB connector (CN2) with pins for VBUS, DM, DP, ID, and GND. It features two integrated circuits: U3 (STMP2141) and U4 (EMIF02-USB03F2). U3 is configured as a USB-to-serial converter, with its IN pin connected to the DP line, its EN pin connected to the DM line, and its OUT pin connected to the ID line. U4 is configured as a USB-to-serial converter, with its D+ pin connected to the DP line, its D- pin connected to the DM line, and its ID pin connected to the ID line. The circuit also includes several resistors (R24, R25, R26, R27, R28, R30) and a capacitor (C9) for signal conditioning and termination. The power supply is connected to VDD and GND.

Note: All non-polarized capacitors packages are 0603 unless otherwise noted.
Note: All resistor packages are 0603 unless otherwise noted.

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TITLE: SmartMic Circuit Board

REV:
C

Sheet: 1/2

