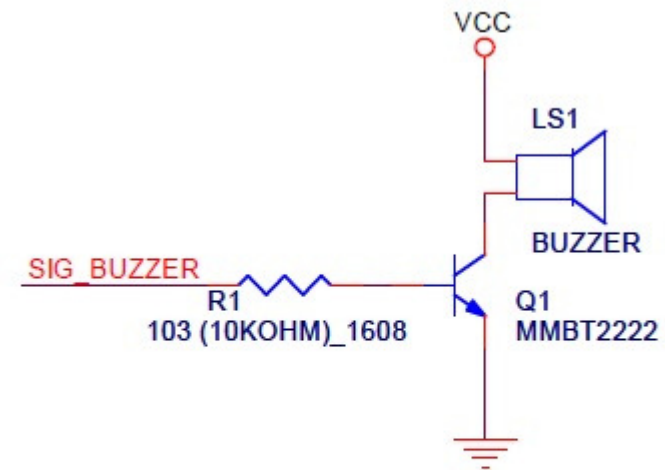
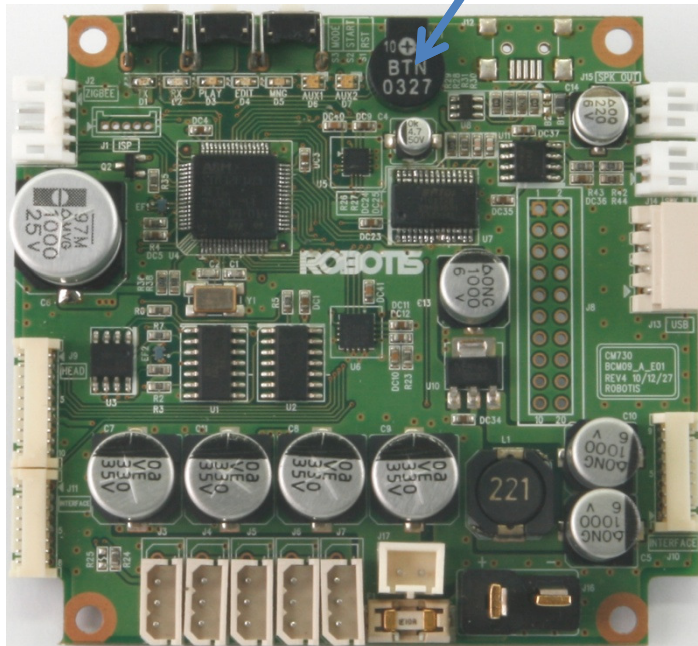
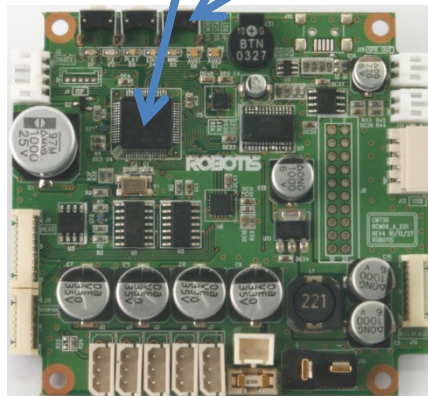


Buzzer

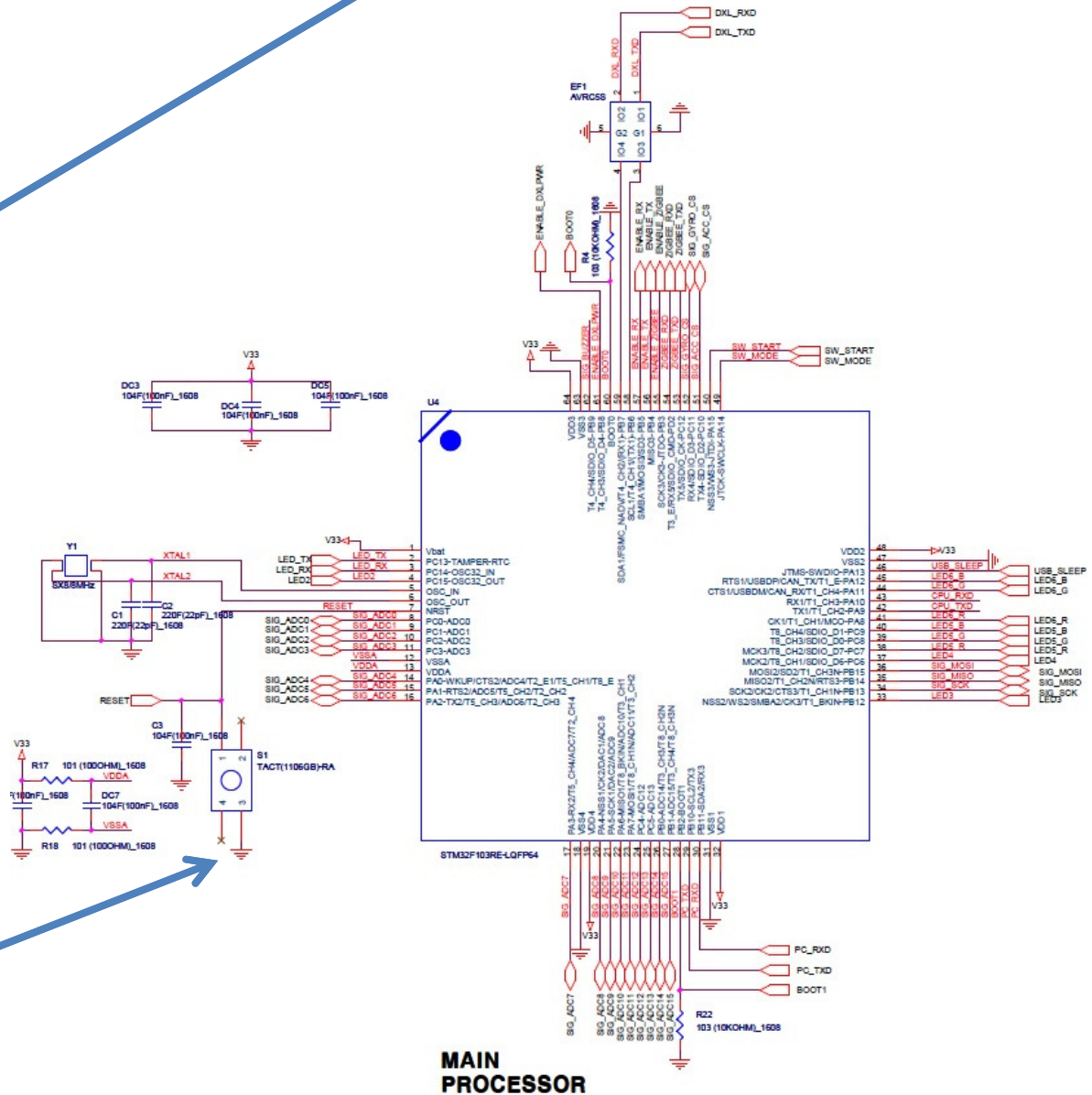


BUZZER

MCU and RESET button

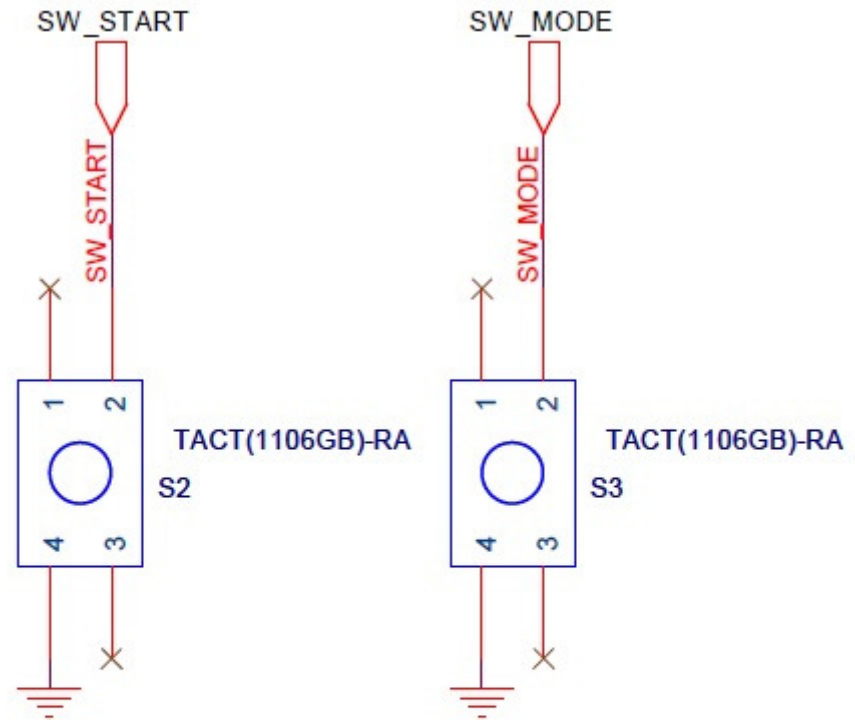
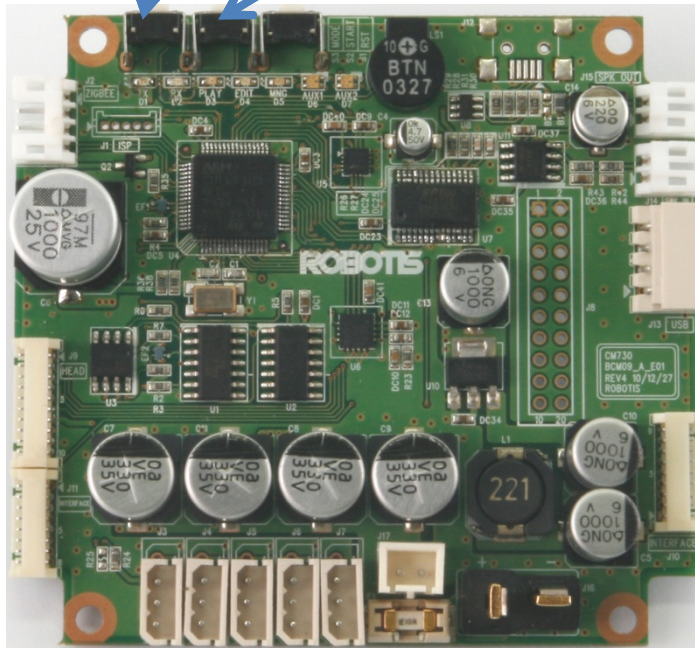


RESET button



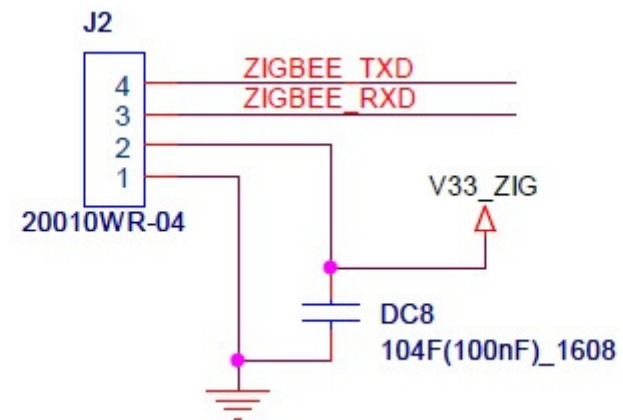
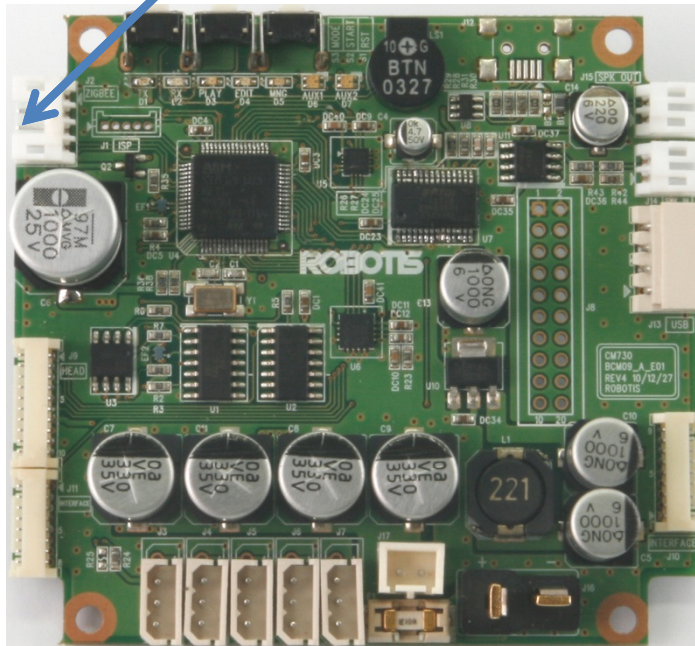
MAIN
PROCESSOR

MODE and START buttons



**PUSH
SWITCH**

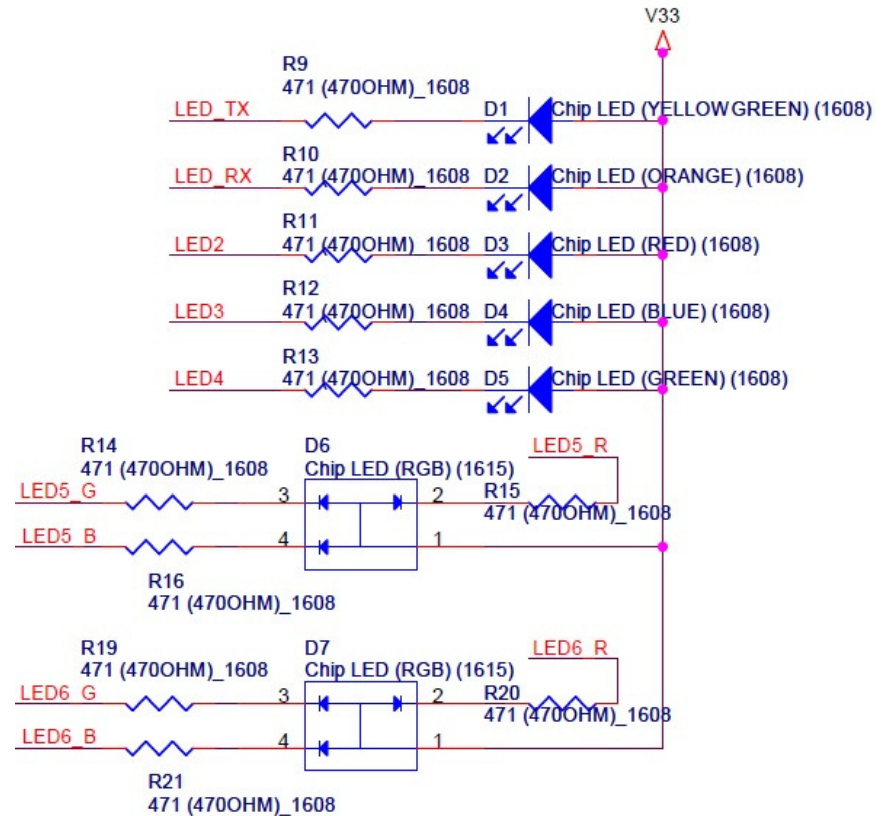
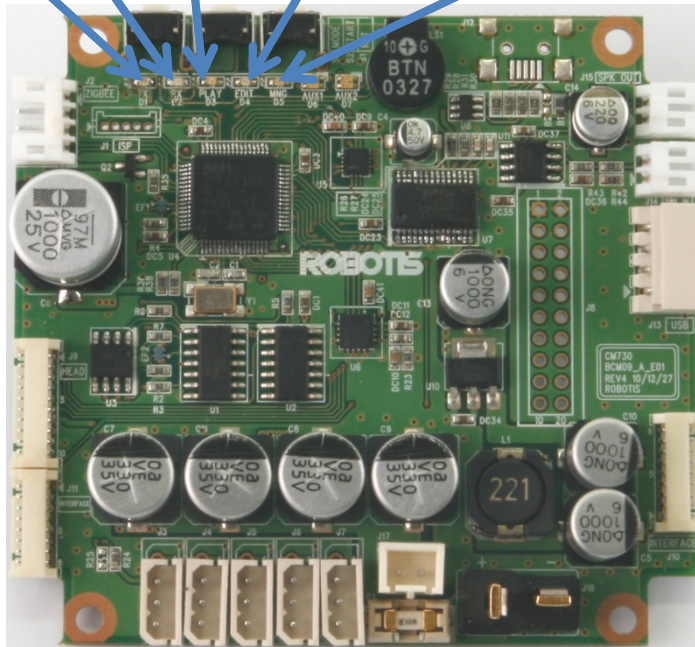
Zigbee/Bluetooth



BLUETOOTH/ZIGBEE

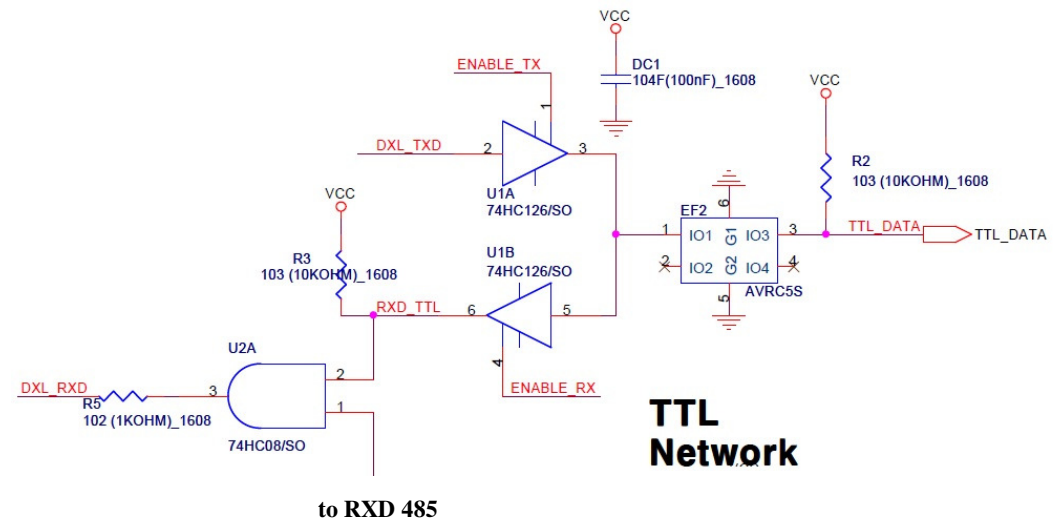
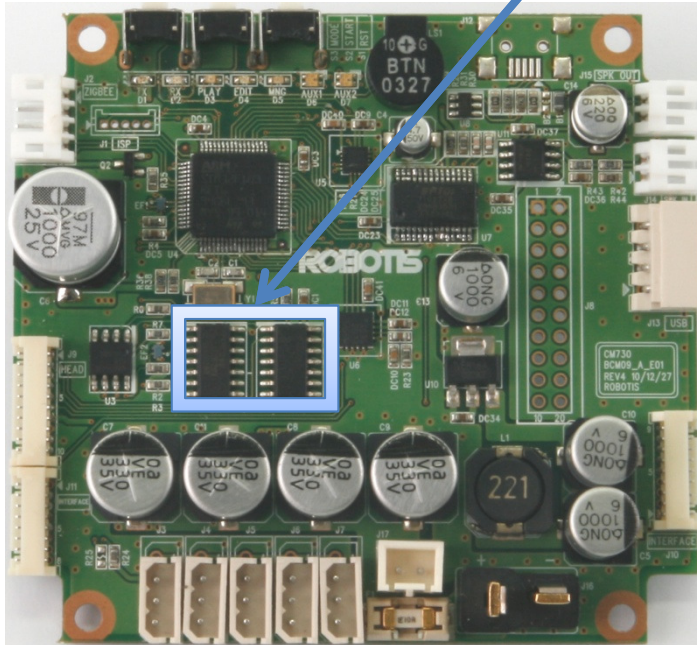
Status LED's

TX **RX** **LED1 (red)** **LED2 (blue)** **LED3 (green)**

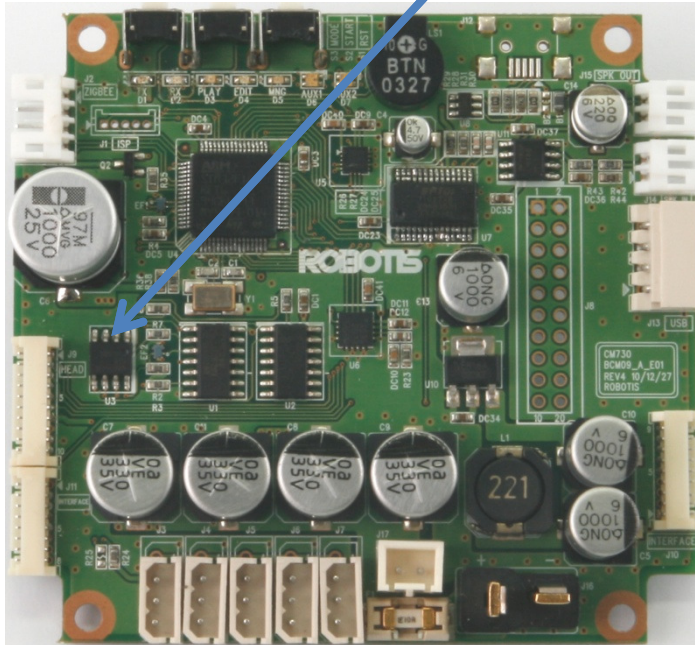


**STATUS
LED**

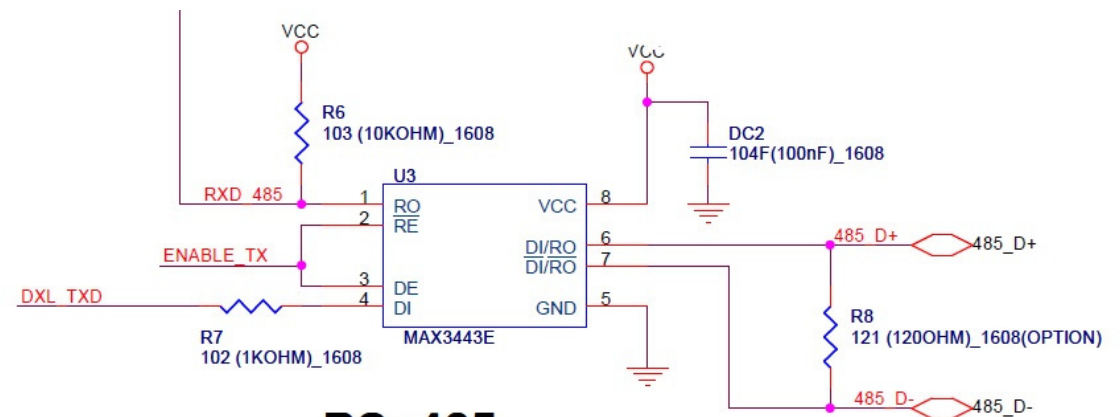
TTL Network



RS-485 Network

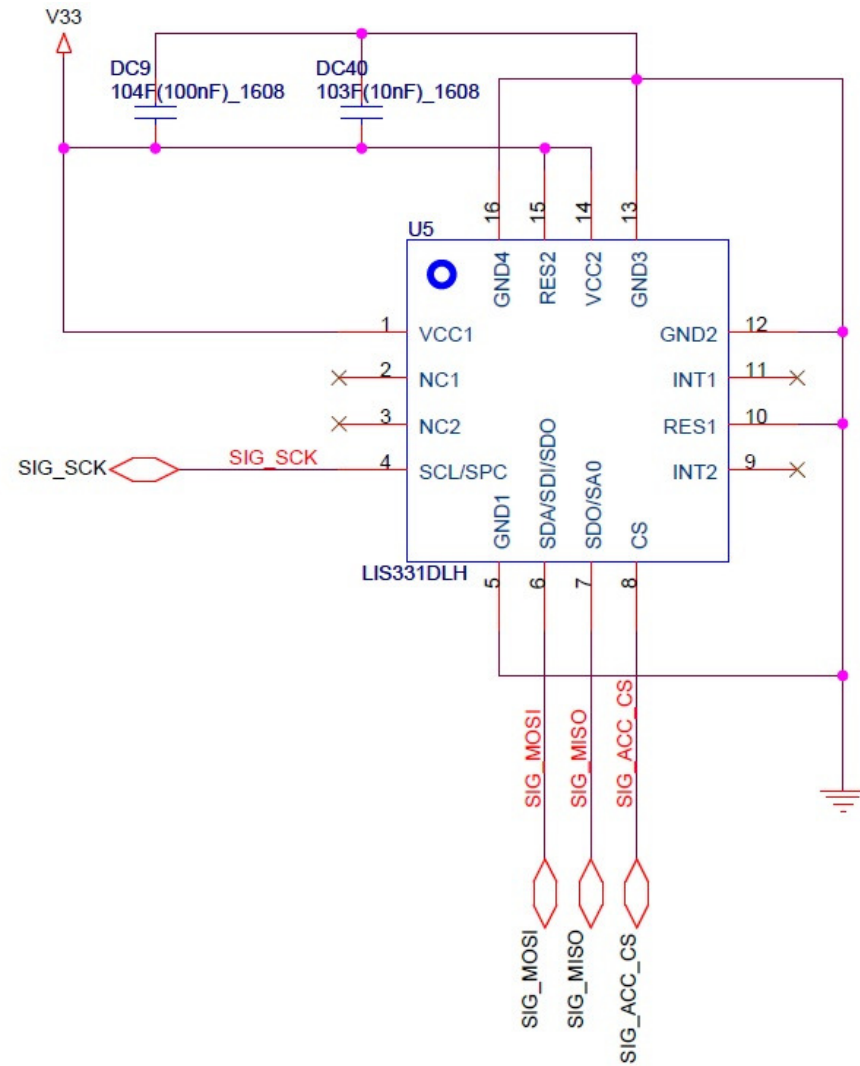
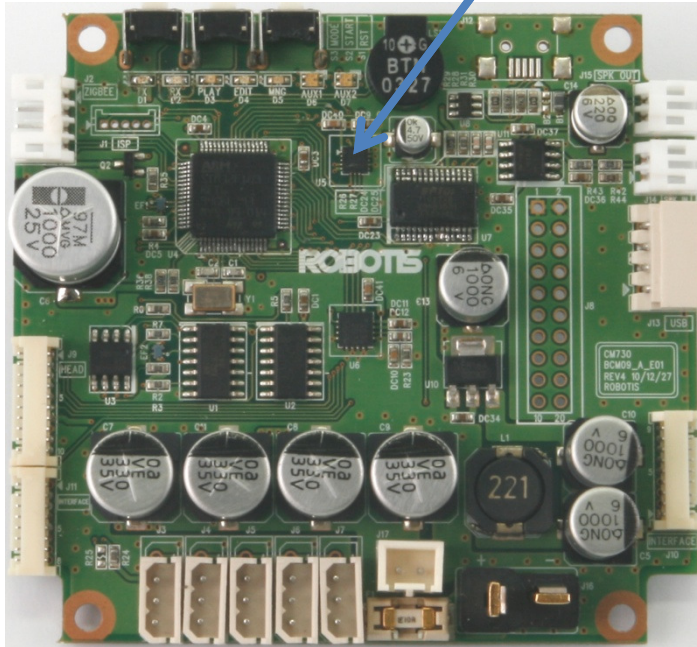


from TTL AND gate input1

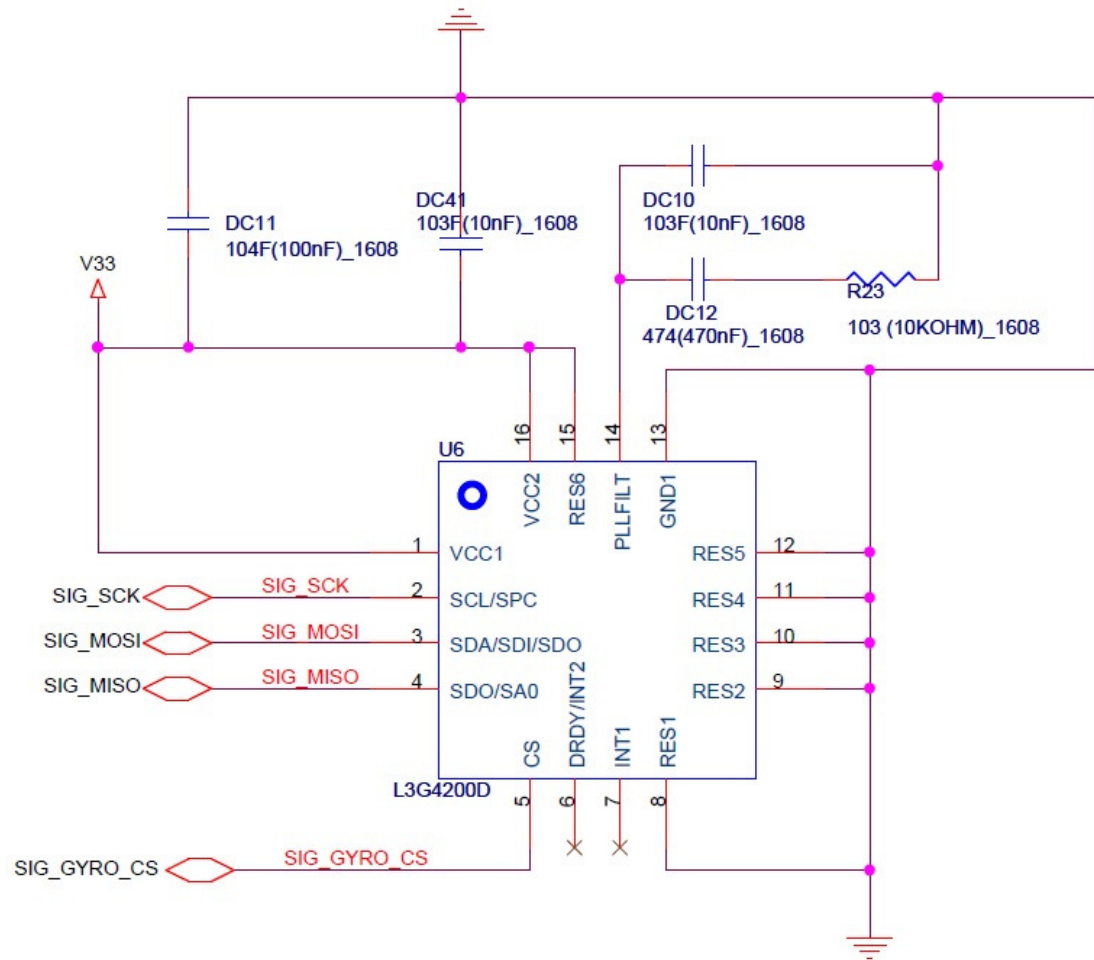
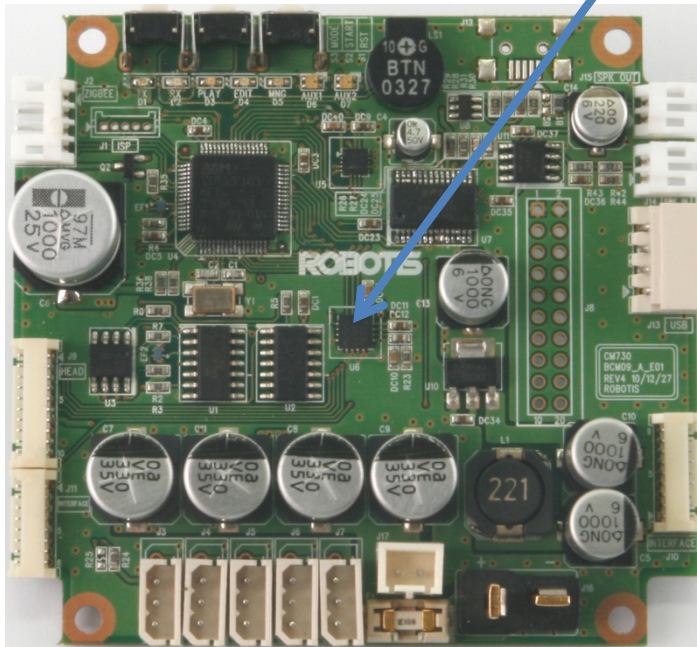


**RS-485
Network**

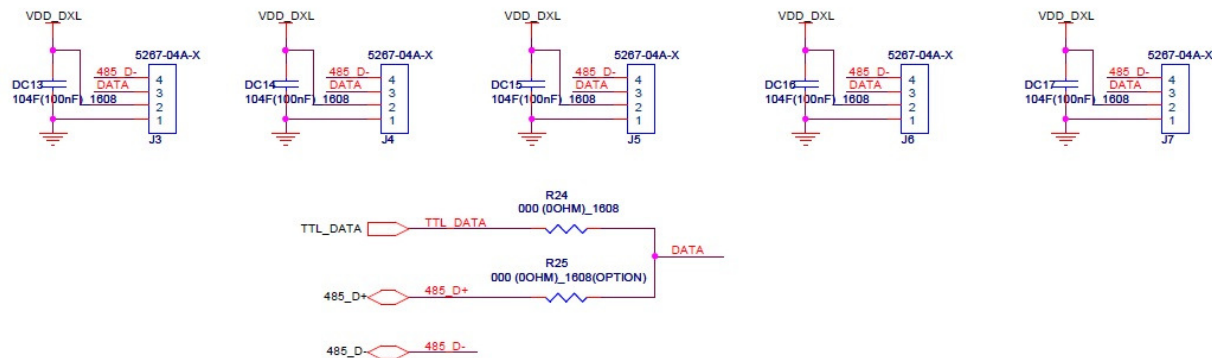
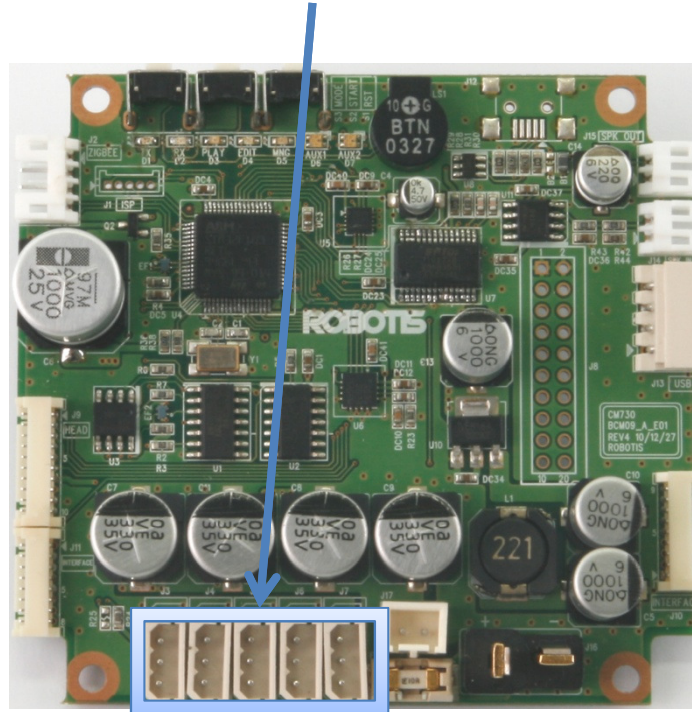
Accelerometer



Gyroscope

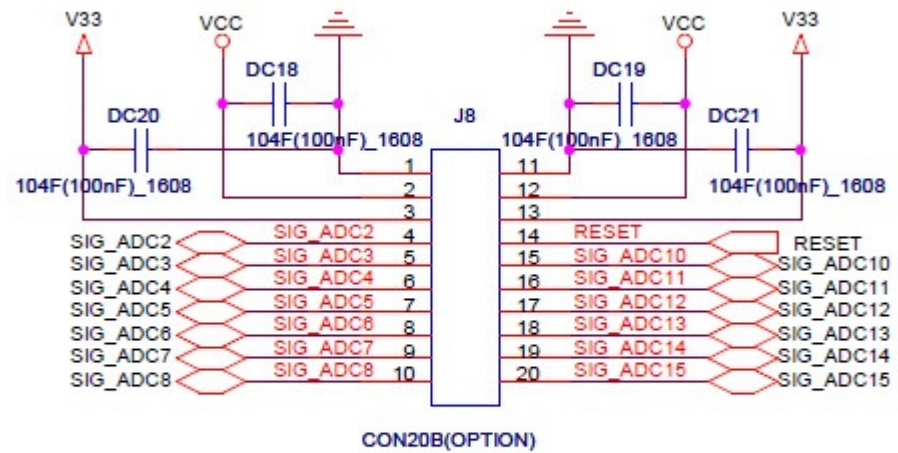
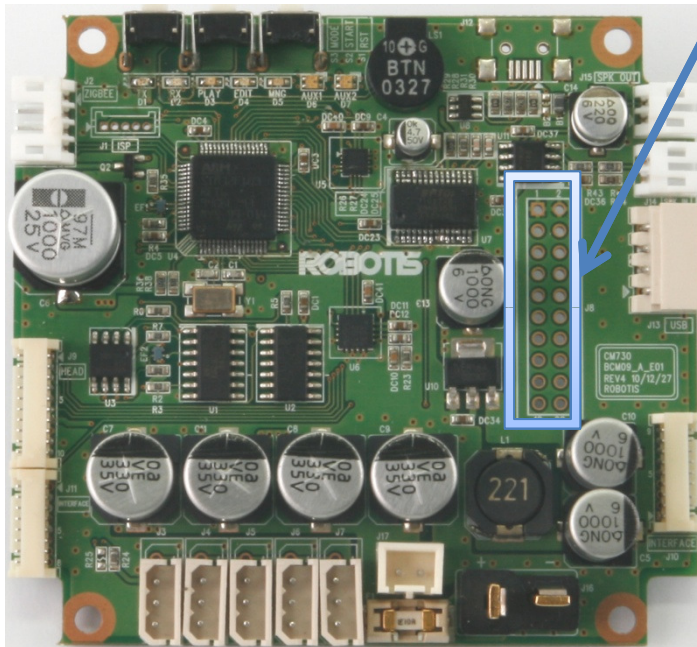


Interface Connector



**INTERFACE
CONNECTOR**

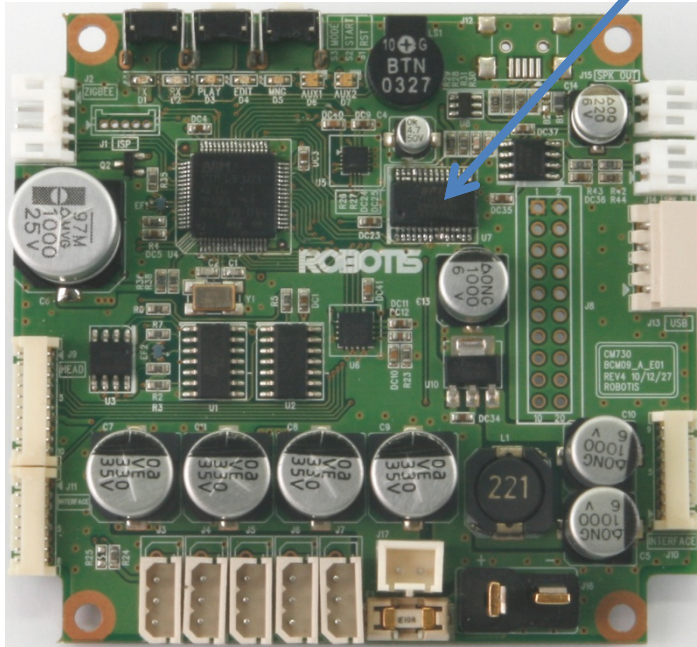
Expansion Connectors (for extra sensors)



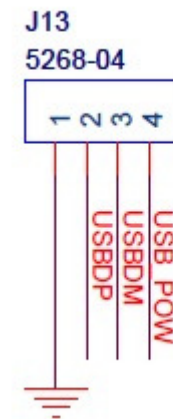
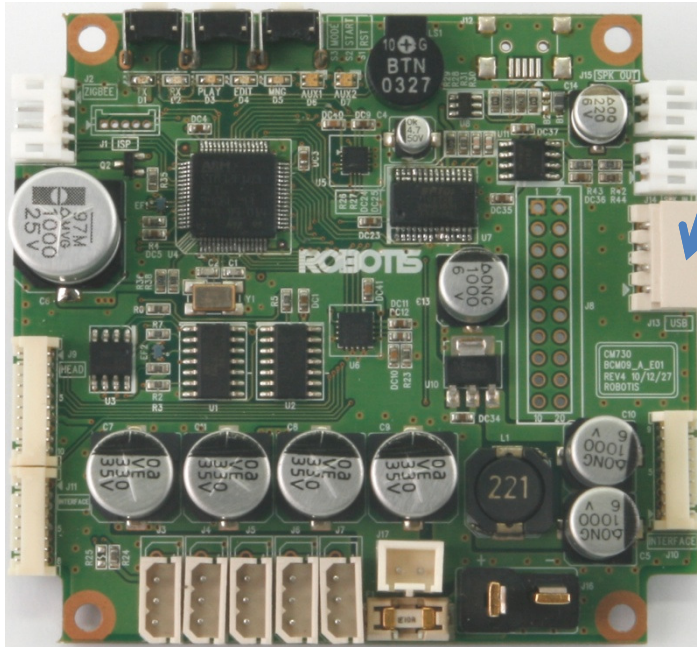
**EXPANSION
CONNECTOR**

The schematic and circuit photo are oriented properly

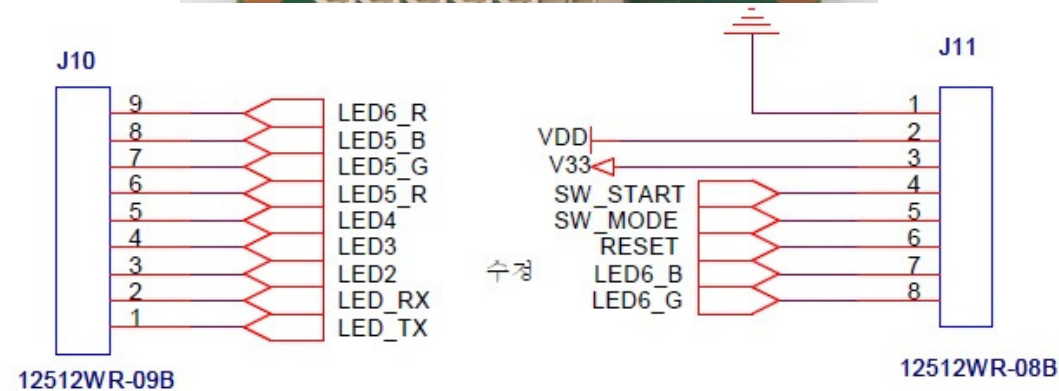
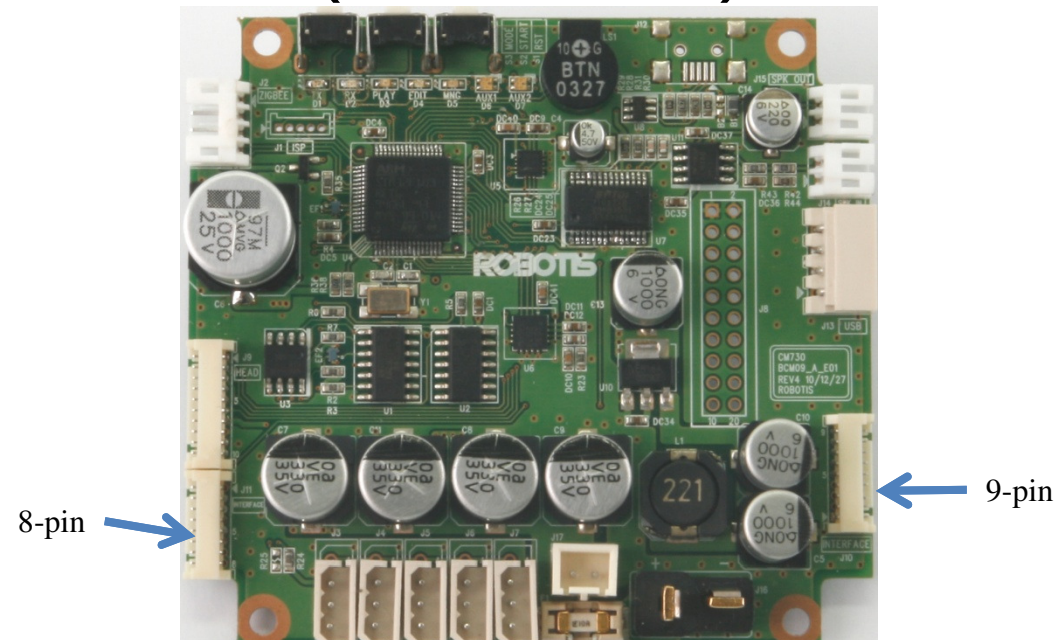
USB to Serial Converter



4-pin USB Connector

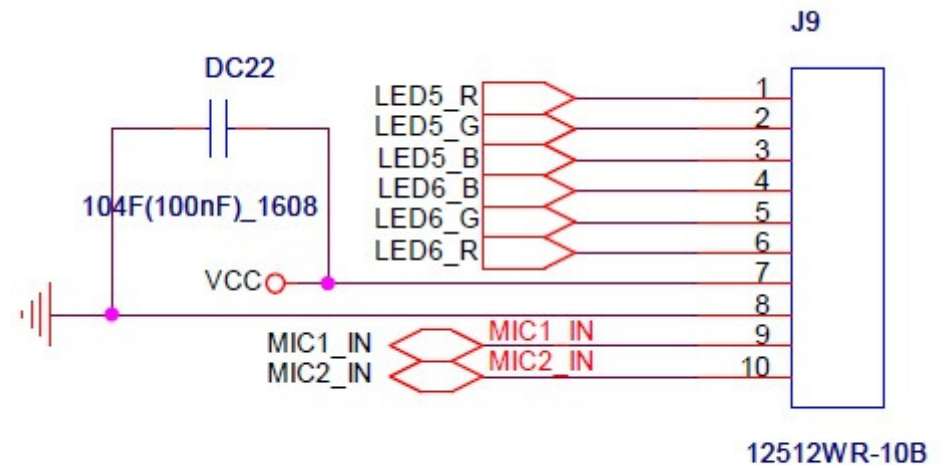
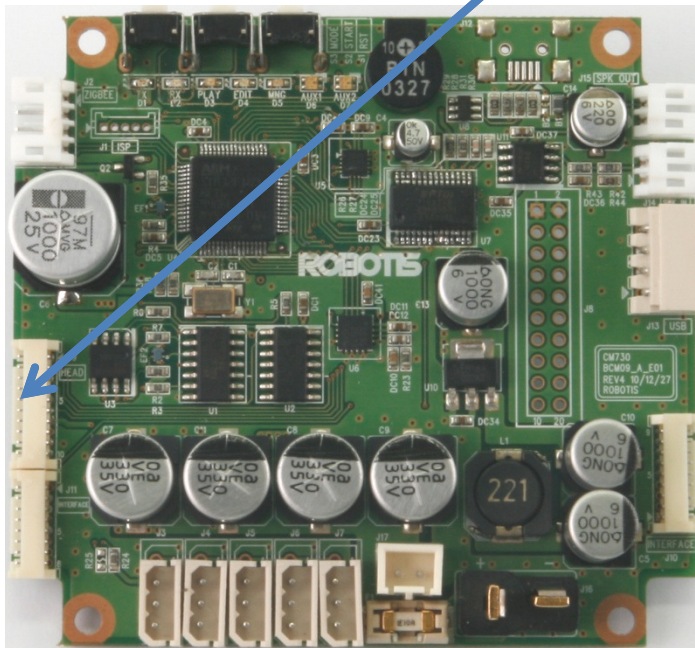


Back Board (Interface) Connector



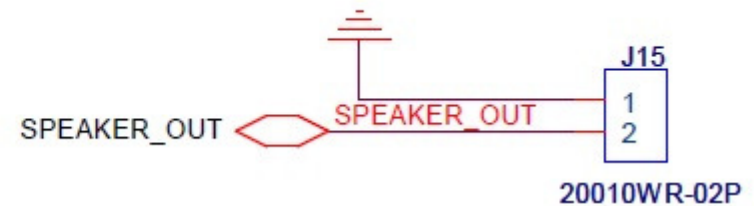
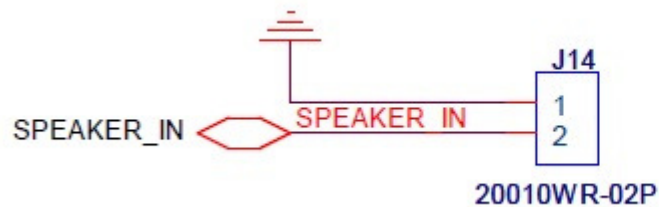
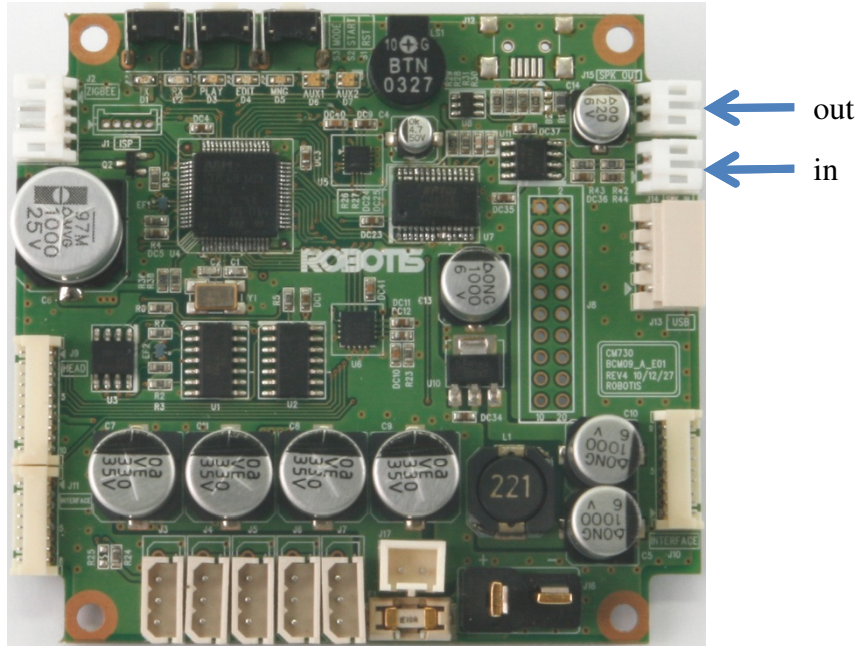
**BACK BOARD
CONNECTOR**

LED Board (Head) Connector



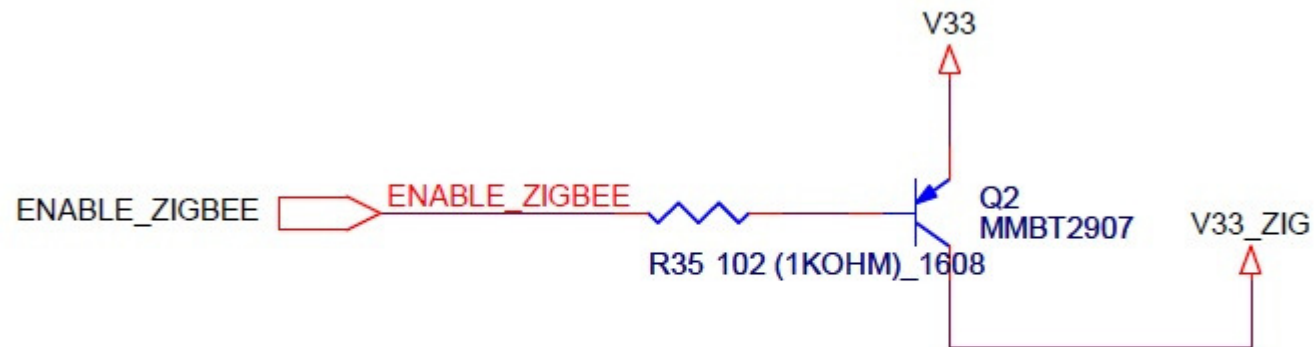
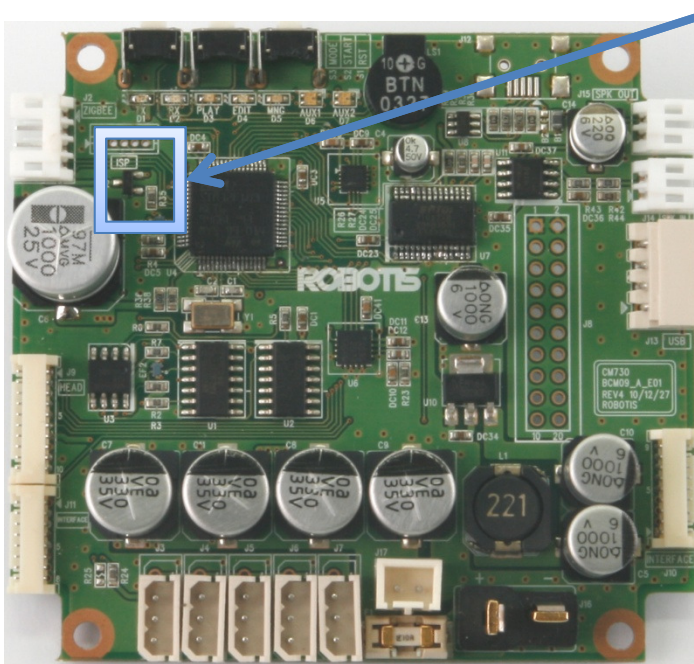
**LED BOARD
CONNECTOR**

Speaker Connector



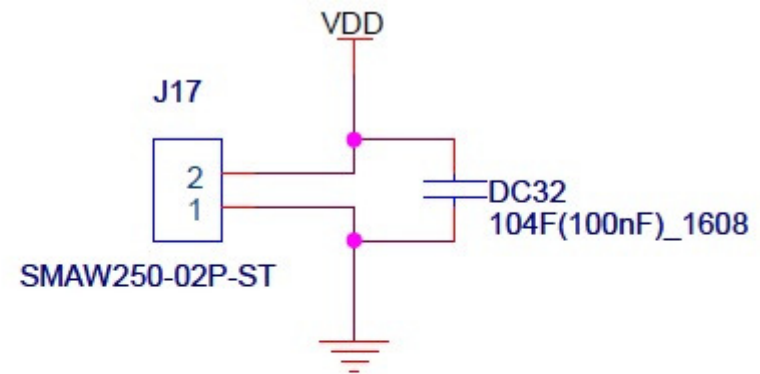
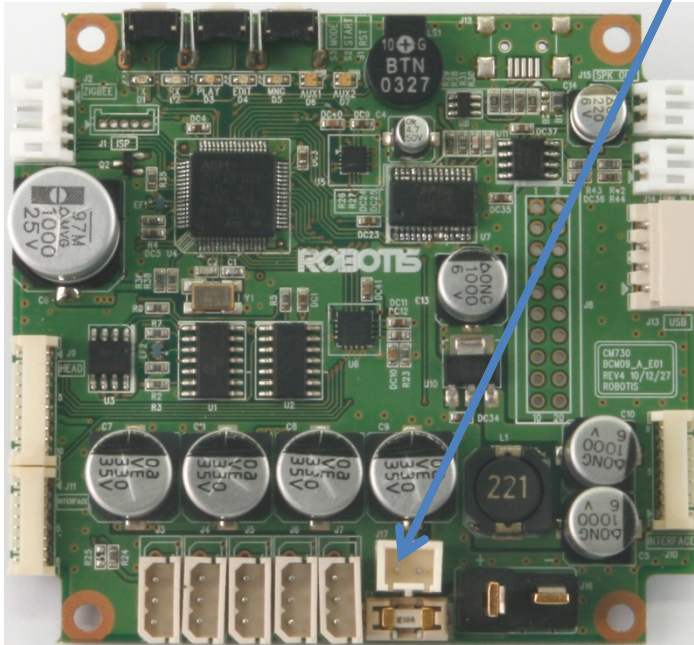
**SPEAKER
CONNECTOR**

Zigbee Power Control



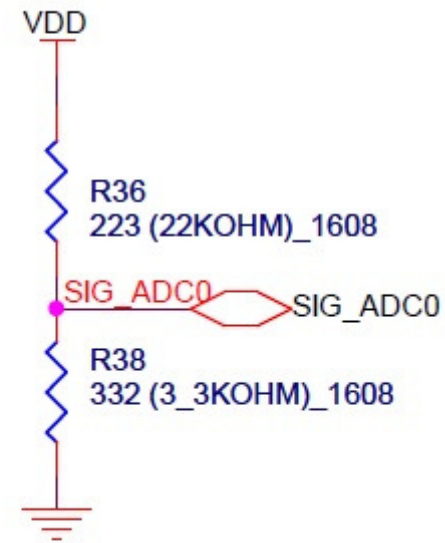
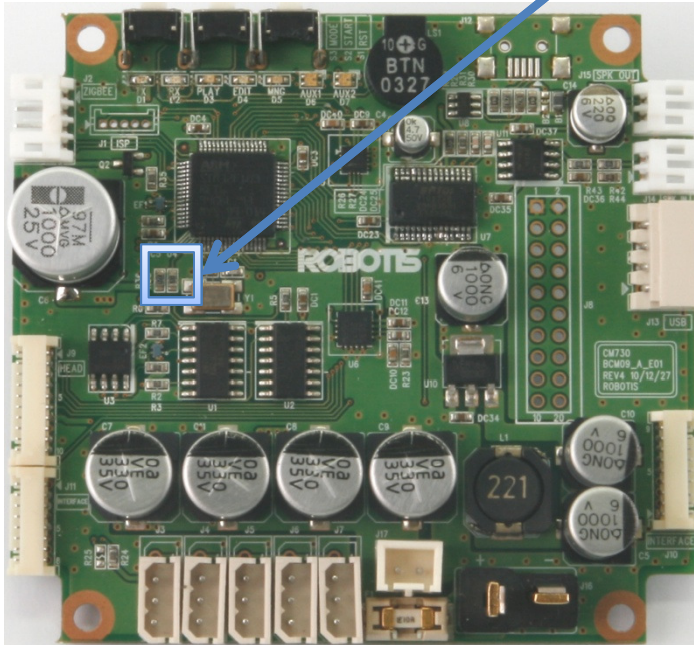
ZIGBEE POWER CONTROL

Main Controller Power Supply



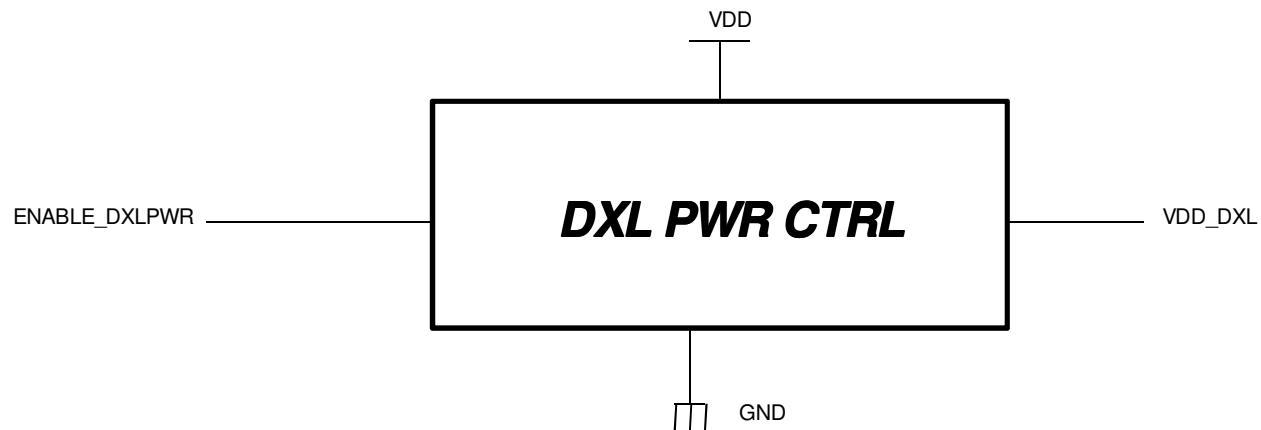
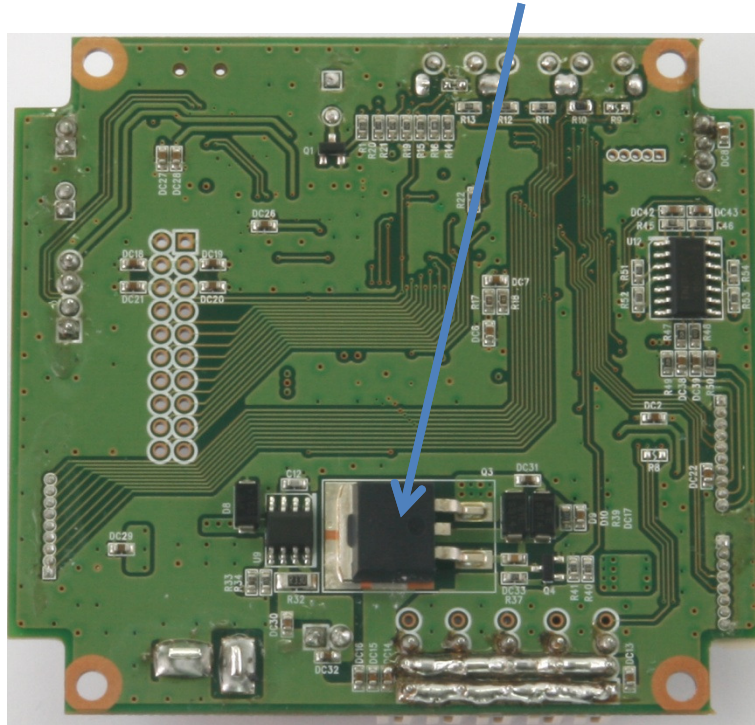
**Fit-PC2i POWER
SUPPLY**

Volt ADC

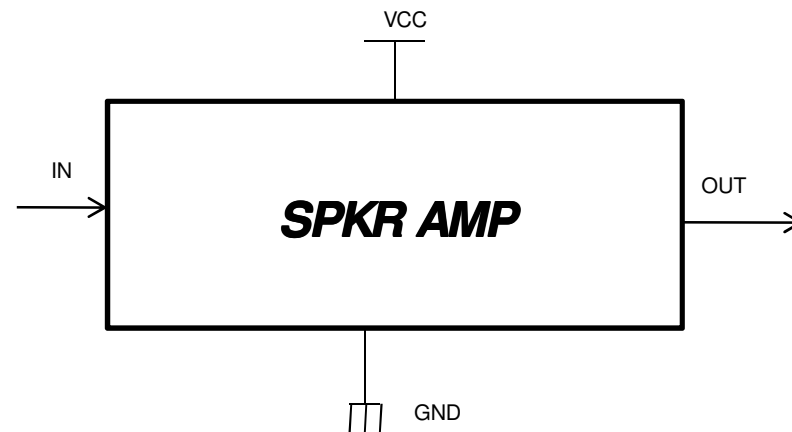
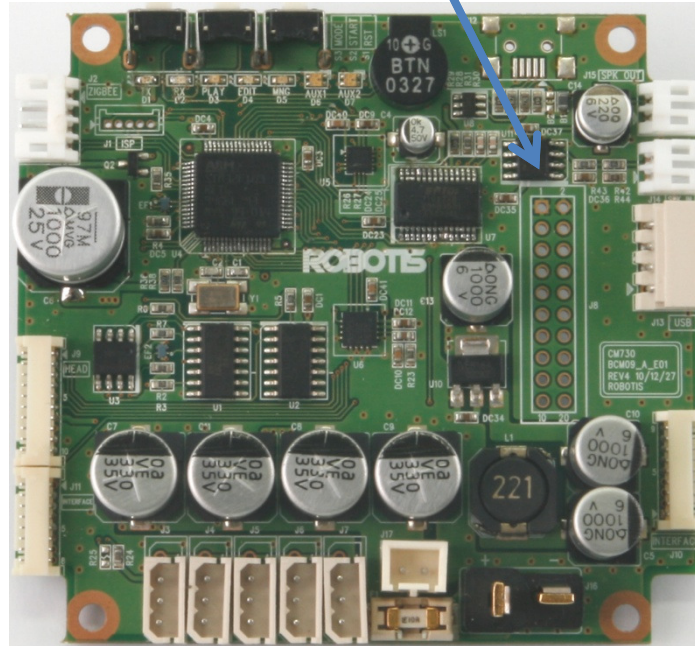


VOLT ADC

Dynamixel Power Control



Speaker Amplifier



Microphone Amplifier

