Sensor	Location on CX-Bot	Pinout
Hall Effect Magnetic Sensor (A1324)	No special location on CX-BOT shield	-Lead 1: Supply voltage connected to 5V, either at left or below breadboard -Lead 2: GND connected to ground, either at left or below breadboard -Lead 3: V_{out} connected to an analog input channel
Color Sensor (TCS34725)	RGB color Sensor I2C Bus (Left of Ping Sensor pins)/ Location 3	-LED: N/R Ground to turn off the board -INT: N/R Interrupt -SDA: Data Line -SCL: Clock Line -3V3: N/R -GND: Ground -VIN: Supply voltage, typically 5V
Infrared Thermal Sensor (MLX90614)	No special location on the CX-BOT, but specified pins	-Lead 1(left): Supply Voltage $V_{in,}$ typically 5V -Lead 2: GND -Lead 3: SCL – clock signal; pin 21 -Lead 4(Right): SDA – data signal ; pin 20
Radio-Frequency Identification Reader (ID-12LA)	Serial 1; RFID Bus Top left-most set of pins , Directly above breadboard	-VCC: Supply voltage, typically 5V - DATA: Data channel- Serial 1, pin 19 - GND
Multi-Character Liquid Crystal Display (27977)	Serial 3, right of RFIP Serial 1 bus ;	-Lead 1(left) _ RX Receive /Input signal -Lead 2(middle) 5V -Lead 3(right) GND