

J6

1 1 FC_RX

2 2 FC_TX

282836-2


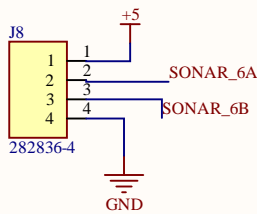
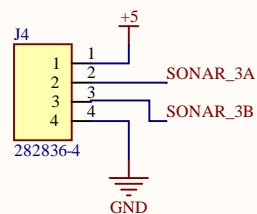
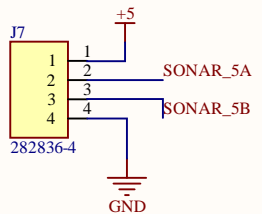
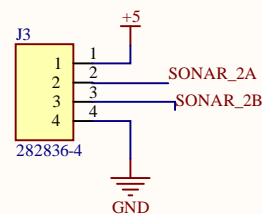
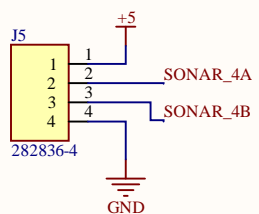
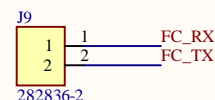
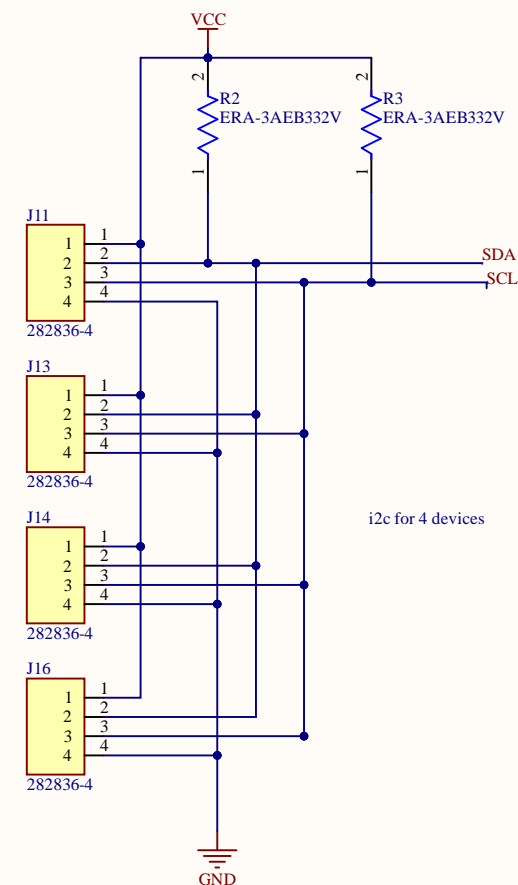
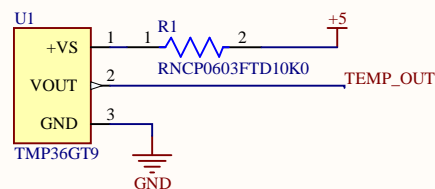


Diagram of the SD card connector J12. The connector has 8 pins. The signals are: SD_CD (pin 1), SD_CS (pin 2), SD_DI (pin 3), SD_DO (pin 4), SD_CLK (pin 5), and pins 6, 7, and 8 are unconnected.

The diagram shows the wiring for an ESP32-DEVKITC-32D module. The module is represented by a yellow box with pins numbered 1 to 38. The connections are as follows:

- VCC:** Pin 1 is connected to VCC.
- GND:** Pins 3, 4, 15, 16, 18, and 19 are connected to GND.
- SD Card:**
 - Pin 20 (GND3) is connected to GND.
 - Pin 21 (IO23) is connected to SD_DI.
 - Pin 22 (IO22) is connected to SCL.
 - Pin 23 (TXD0) is connected to FC_TX.
 - Pin 24 (RXD0) is connected to FC_RX.
 - Pin 25 (IO21) is connected to SDA.
 - Pin 26 (GND2) is connected to GND.
 - Pin 27 (IO19) is connected to SD_DO.
 - Pin 28 (IO18) is connected to SD_CLK.
 - Pin 29 (IO5) is connected to SD_CS.
 - Pin 30 (IO17) is connected to GND.
 - Pin 31 (IO16) is connected to GND.
 - Pin 32 (IO4) is connected to SONAR_5A.
 - Pin 33 (IO0) is connected to SONAR_5B.
 - Pin 34 (IO2) is connected to SONAR_6B.
 - Pin 35 (IO15) is connected to SONAR_6A.
 - Pin 36 (SD1) is connected to GND.
 - Pin 37 (SD0) is connected to GND.
 - Pin 38 (CLK) is connected to GND.
- Sensors:**
 - Pin 5 (SENSOR_VP) is connected to TEMP_OUT.
 - Pin 6 (SENSOR_VN) is connected to SONAR_1A.
 - Pin 7 (IO34) is connected to SONAR_1B.
 - Pin 8 (IO35) is connected to SONAR_2B.
 - Pin 9 (IO32) is connected to SONAR_2A.
 - Pin 10 (IO33) is connected to GND.
 - Pin 11 (IO25) is connected to GND.
 - Pin 12 (IO26) is connected to SONAR_4A.
 - Pin 13 (IO27) is connected to SONAR_4B.
 - Pin 14 (IO14) is connected to SONAR_3A.
 - Pin 15 (IO12) is connected to SONAR_3B.
 - Pin 16 (GND1) is connected to GND.
 - Pin 17 (IO13) is connected to GND.
 - Pin 18 (SD2) is connected to GND.
 - Pin 19 (SD3) is connected to GND.
 - Pin 20 (CMD) is connected to GND.
 - Pin 21 (EXT_5V) is connected to +5V.



Title			Argous Sector 7 PCB		
Size	Number			Revision	
A4	1			D	
Date:	9/13/2022			Sheet of	
File:	C:\Users\...\PCB\Final.SchDoc			Drawn By: Joshua Redolfi	