





Company: Circuit Dojo		Author: Jared Wolff		F
Title: nRF91 Feather				
Document Number: SCH-0015			REV:	
Board Number: BRD-0015			8	
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The schematic diagram illustrates the electrical connections for the ABS07AIG-32.768KHZ-7-T module. The module is a rectangular component with pins 1 through 9. The connections are as follows:

- Pin 1:** Labeled 'P0.04/D8/2 AC', connected to a jumper labeled 'JUMPER-NO-ROUND-NO'.
- Pin 2:** Labeled 'P0.27/SC12.6C', connected to a 20k resistor (R18) and a 1/16W resistor (R17).
- Pin 3:** Labeled 'P0.26/SDA2.6C', connected to a 20k resistor (R18) and a 1/16W resistor (R17).
- Pin 4:** Labeled 'P0.04/D8/2 AC', connected to a 20k resistor (R18) and a 1/16W resistor (R17).
- Pin 5:** Labeled 'P0.27/SC12.6C', connected to a 20k resistor (R18) and a 1/16W resistor (R17).
- Pin 6:** Labeled 'P0.26/SDA2.6C', connected to a 20k resistor (R18) and a 1/16W resistor (R17).
- Pin 7:** Labeled 'P0.04/D8/2 AC', connected to a 20k resistor (R18) and a 1/16W resistor (R17).
- Pin 8:** Labeled 'P0.27/SC12.6C', connected to a 20k resistor (R18) and a 1/16W resistor (R17).
- Pin 9:** Labeled 'P0.26/SDA2.6C', connected to a 20k resistor (R18) and a 1/16W resistor (R17).

The module is powered by a +3V3 supply through a 0.1uF capacitor (C17) and a 50V diode (U8). The module is also connected to a 3.2768MHz crystal (Y1) and a 10k resistor (R17). The module is labeled 'ABS07AIG-32.768KHZ-7-T' and 'PCF85063ATL/1,118'.

The schematic diagram shows the IC-LIS2DH12TR sensor module. The IC is a square package with pins labeled CS, VDD, INT1, INT2, SCL/SPC, SDA/SPI/SDO, SDI/SAO, RES, and GND. It is powered by a +3V3 supply through a 10k resistor (P20) and a 1uF capacitor (C18). The SCL pin is connected to P0_27/SCL(2.6V) and the SDA pin to P0_26/SDA(2.6V). The INT1 pin is connected to P0_30/D3 and the INT2 pin to P0_29/D2. The RES pin is connected to GND. The module is labeled IC-LIS2DH12TR 1.71-3.6V.



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