

IMU-6DSV

Schematic Diagram:

U1: NCP110AMX180TBG (Voltage Regulator)

U2: LSM6DSV (IMU)

J1: FH34SRJ-08S-0.5SH(50) (Connector)

Components:

- C1: 1uF, 25V, X5R, 1005
- C2: 1uF, 25V, X5R, 1005
- C3: 50pF, X5R, 1005
- C5: 0.1uF, 50V, X5R, 1005
- R1: 470k, 1005
- R2: 470k, 1005

Connector Pinouts:

IMU side:

- VDD 1
- VDDIO 2
- SCK 3
- MOSI 4
- MISO 5
- CSX 6
- INT 7
- GND 8

HOST side:

- 8 VDD
- 7 VDDIO
- 6 SCK
- 5 MOSI
- 4 MISO
- 3 CSX
- 2 INT
- 1 GND

IMU-CN254:

- 8 VDD
- 7 VDDIO
- 6 SCK
- 5 MOSI
- 4 MISO
- 3 CSX
- 2 INT
- 1 GND

2.54mm pitch CN:

- 1 2
- 3 4
- 5 6
- 7 8

3D Model:

IMU module with axes X, Y, and Z.

Title Block:

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