LSM9DS1TR breakout

ACCELEROMETER & GYROSCOPE & MAGNETOMETER

U? — LSM9DS1TR

Pins: VDDIO (1), C1 (24), VDD (23), VDD (22), CAP (21), GND (20), GND (19), RES (18)
SCL (2), VDDIO (3), SDA (4), SDO_AG (5)
RES (17), RES (16), RES (15), RES (14)
SDO_M (6), CS_AG (7), CS_M (8), DRDY_M (9), INT_M (10), INT1_AG (11), INT2_AG (12), DEN_AG (13)

SCL3,3 / SDA3,3 / SDO_AG

C? 100n, C? 10u, C? 100n, C? 100n, C? 10n
GND, 3V3

JUMPER WITH PULL UP RESISTOR

3V3 — JP? — R? 10k — SDO_AG
3V3 — JP? — R? 10k — SDO_M
JUMPER FOR SET I2C ADDRESS

3V3 — JP? — R? 10k — CS_AG
3V3 — JP? — R? 10k — CS_M
JUMPER TO SET SPI/I2C MODE
1>I2C, 0>SPI

CONTROL PINS HEADER

K? HEADER_MALE_9X1
DEN_AG, INT2_AG, INT1_AG, INT_M, DRDY_M, CS_M, CS_AG, SDO_M, SDO_AG

I2C HEADER & easyC CONNECTOR

K? easyC-SMD
3V3 (3), SCL (1), SDA (2), GND (4), SHIELD (5)
SCL3,3 / SDA3,3 / GND / 3V3

K? easyC-SMD
3V3 (3), SCL (1), SDA (2), GND (4), SHIELD (5)
SCL3,3 / SDA3,3 / GND / 3V3

K? HEADER_MALE_4X1
SCL5 / SDA5 / 5V / GND

I2C LEVEL TRANSLATOR

U? NMOS-DUAL
S2 (1), G2 (2), D1 (3), D2 (6), G1 (5), S1 (4)
SDA3,3 / SDA5
SCL_PULL5 / SCL_PULL3,3
SDA_PULL3,3 / SDA_PULL5
SCL5 / SCL3,3
R? 10k (x4), 3V3

5V — JP? — SDA_PULL5 / SCL_PULL5
3V3 — JP? — SDA_PULL3,3 / SCL_PULL3,3

VOLTAGE REGULATOR

5V — JP? SMD JUMPER — 3V3
JP6
U? SE5218
VIN (1), GND (2), EN (3), VOUT (5), NC (4)
C? 2u2, C? 2u2
GND

FD? FIDUCIAL
H? HOLE_3.2mm
H? HOLE_3.2mm

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