Y ENU
X

X NED
Y

A3 17
A2 16
A1 15
A0 14

KitSprout

KSDK v2

GND
SWC
SWD
3V3

NRF52832
CORTEX-M4F 64MHz
256 Kbytes Flash
32 Kbytes RAM

LEDR (06)	KEY (11)
LEDG (07)	RX (12)
LEDB (08)	TX (13)

STM32F411CE
CORTEX-M4F 100MHz
512 Kbytes Flash
128 Kbytes SRAM

LEDR (C13)	KEY (A8)
LEDG (C14)	RX (B7)
LEDB (C15)	TX (B6)

GND
SWC
SWD
3V3

3V3

GND

21G

20G

19G

10N

09N

05A

04A

03A

3V3

GND

A9

A10

A11

A12

A15

B3

B4

B5

ICM20948
I2C : 0xD0 / 0x18

- **Gyroscope**
  ±250/500/1000/2000 dps
- **Accelerometer**
  ±2/4/8/16 g
- **Magnetometer**
  ±4800 uT (AK09916)

LPS22HB
I2C : 0xB8

- **Barometer**
  260 ~ 1260 hPa

IST8308
I2C : 0x1C

- **Magnetometer**
  ±200/500 uT

CSM (A4/26)
SCK (A5/27)
SDO (A6/25)
SDI (A7/28)
CSB (B0/26)
SCL (B12/30)
SDA (B13/31)
RDY (B14/NC)

3V3
SWD
SWC
GND

GND
SWC
SWD
3V3

C27

C26   U8

U7

C24

R29 C25

R31

R26 R27 R28 R30 R25 R24   U6   C23
                                 C22
                                 C21

C18

C19

M1

C10 C13

C9

R13   L2 C20

C11   U4   C15   L1

X1   C17

R12 C12

C14   C16

C8

R11

R23 R22 R21

K1   R17   D3 R15 D4 R16 D5   U3   R18 D7 R20

R14   D6   R19 D8

K2

P3   P4

P1

P2

R8 R7 D2 R2 C5 R3 R5 R6 R1 D1

C4

R4

BAT   U2

C6   CON1

R9 R10

C7 C2 C3

CON2   U1   S1

C1

72.00mm

65.00mm

25.50mm

45.00mm

52.00mm