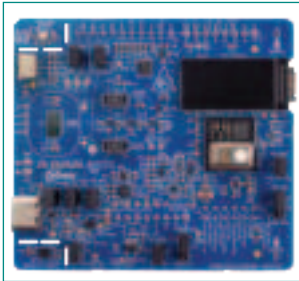


XENSIV™ sensor shield

SHIELD_XENSIV_A

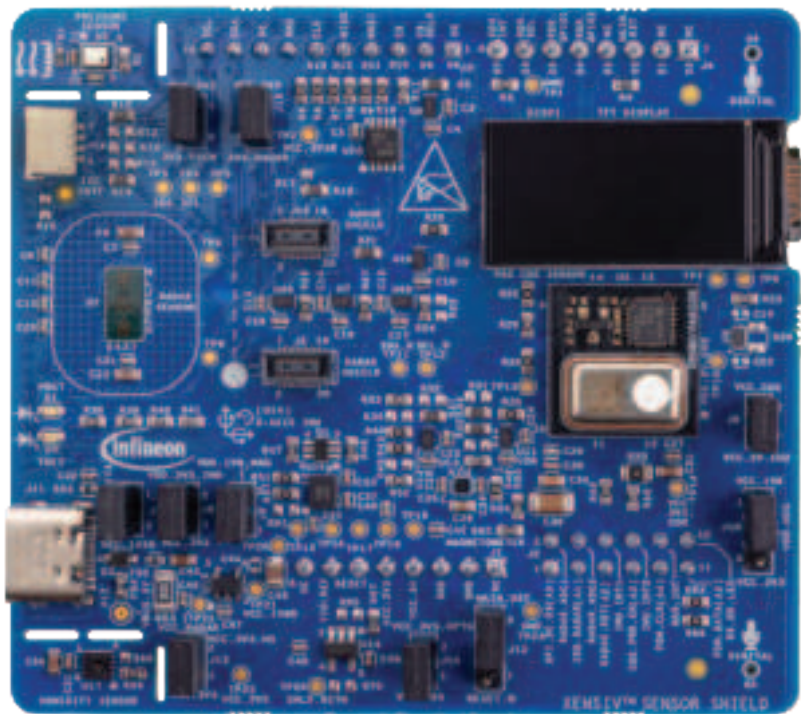
Kit contents

1. XENSIV™ sensor shield
2. Quick start guide (this document)



www.infineon.com/SHIELD_XENSIV_A

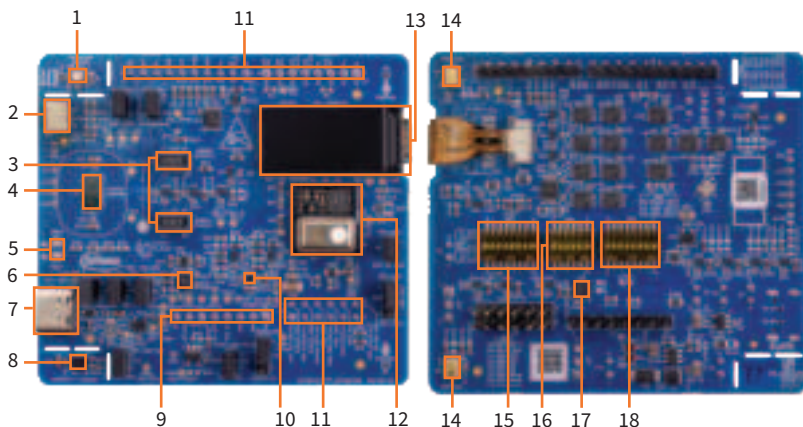




Kit Features

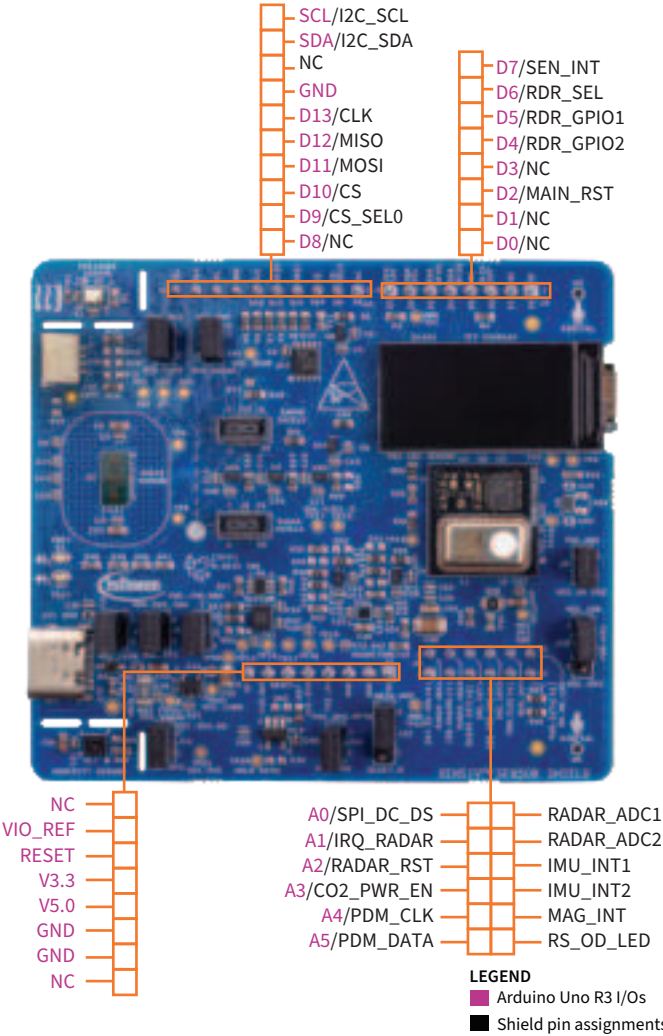
- 1 XENSIV™ 60GHz Radar sensor (BGT60LTR11AIP)
- 2 XENSIV™ digital barometric pressure sensor with built-in temperature sensor (DPS368)
- 3 Two high-performance XENSIV™ MEMS digital microphones (IM72D128)
- 4 XENSIV™ PAS CO2 sensor based on photo acoustic spectroscopy principle (PAS CO2)
- 5 OPTIGA™ Trust M security controller (SLS32AIA010MK)
- 6 Digital humidity and temperature sensor
- 7 Six-axis inertial measurement unit
- 8 Three-axis magnetometer sensor
- 9 SPI-based TFT display
- 10 Headers compatible with Arduino UNO R3

SHIELD_XENSIV_A XENSIV™ sensor shield details



- 1 XENSIV™ digital barometric air pressure sensor with built-in temperature sensor (U2)
- 2 I2C interface connector (J16)
- 3 External Radar shield interface connectors (J5, J15)
- 4 XENSIV™ 60 GHz Radar sensor (U1)
- 5 Radar sensor status LEDs (D1, D2)
- 6 Six-axis inertial measurement unit (U14)
- 7 USB connector based auxiliary power supply for Radar subsystem (J11)
- 8 Digital humidity and temperature sensor (U17)
- 9 Power header compatible with Arduino UNO R3 (J1)
- 10 Three-axis magnetometer sensor (U13)
- 11 I/O headers compatible with Arduino UNO R3 (J2, J3, J4)
- 12 XENSIV™ PAS CO2 sensor (U3)
- 13 SPI-based TFT display (DISP1)
- 14 Two high-performance XENSIV™ MEMS digital microphones (U4, U5)
- 15 I2C and RESET selection switch (SW1)
- 16 Interrupt selection switch (SW2)
- 17 OPTIGA™ Trust M security controller (U6)
- 18 I2C selection switch (SW3)

SHIELD_XENSIV_A XENSIV™ sensor shield pinout details



Get started with XENSIV sensor shield and supported baseboard of your choice, refer to Kit guide at www.infineon.com/XSS-UG.