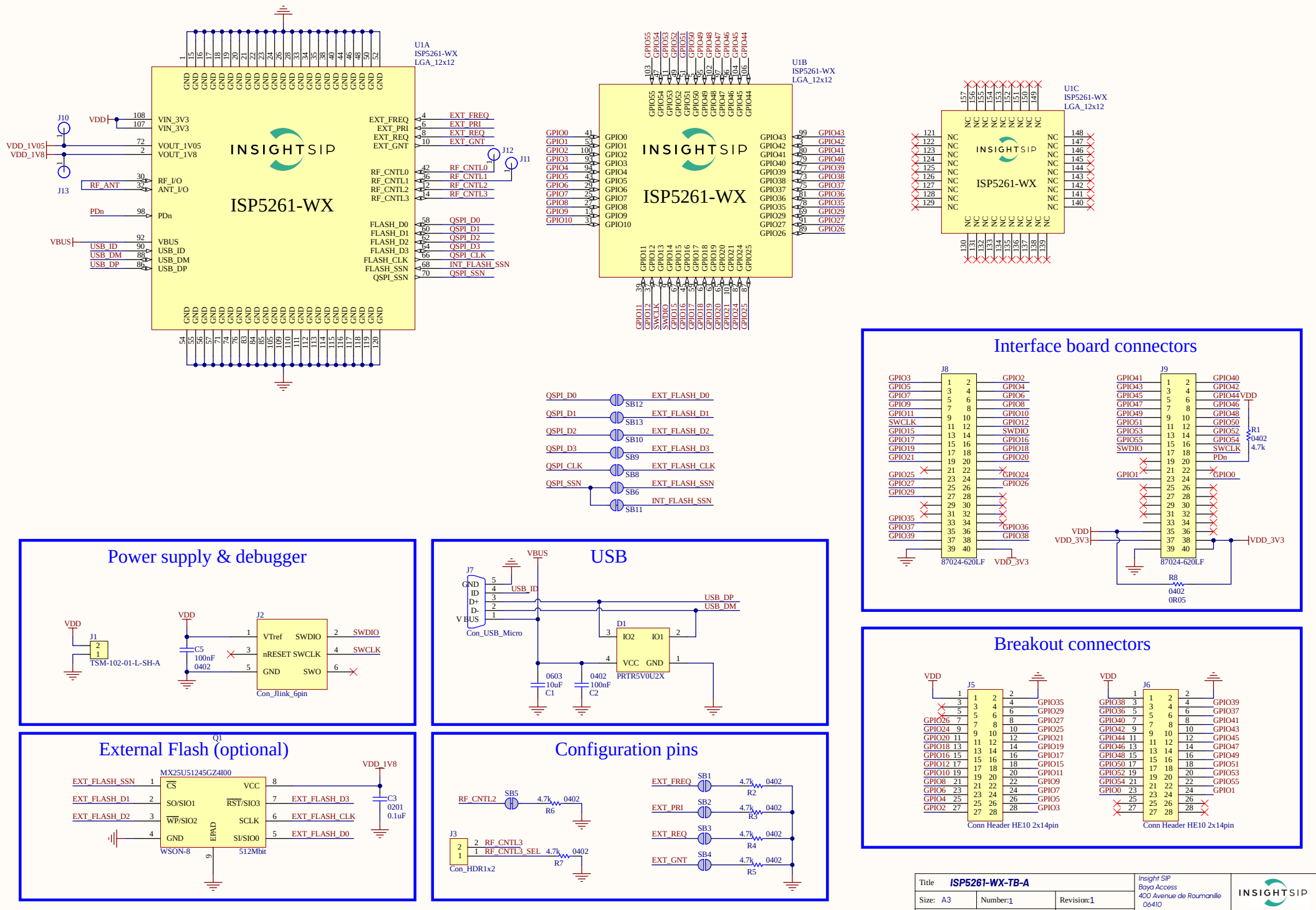
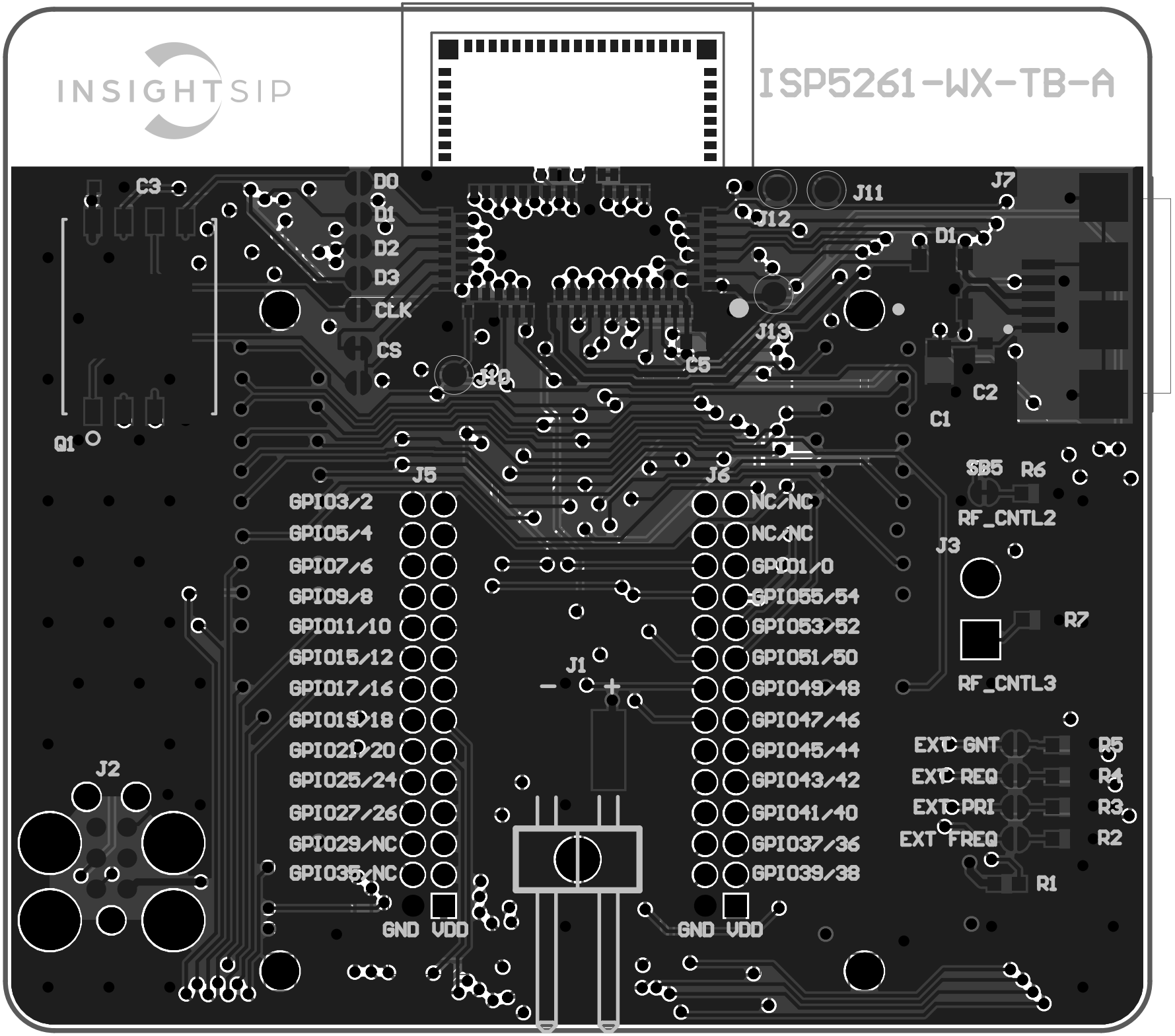

U1A
ISP5261-WX
LGA_12x12
ISP5261-WX
U1B
ISP5261-WX
LGA_12x12
U1C
ISP5261-WX
LGA_12x12
Interface board connectors
J8
J9
87024-620LF
Power supply & debugger
J1
TSM-102-01-L-SH-A
J2
Con_Jlink_6pin
USB
J7
Con_USB_Micro
D1
PRTR5V0U2X
External Flash (optional)
Q1
MX25U51245GZ4I00
WSON-8
512Mbit
Configuration pins
J3
Con_HDR1x2
Breakout connectors
J5
J6
Conn Header HE10 2x14pin
Title ISP5261-WX-TB-A
Size: A3
Number:1
Revision:1
Date: 23/10/2024
Time: 14:58:09
Sheet 1 of 1
Insight SIP
Baya Access
400 Avenue de Roumanille
06410
Sophia Antipolis
File: C:\Workspace\Projects\ISP5261-WIFI6\Hardware CAO\Electronic design\ISP5261WX_A_TB\ISP5261WX_A_TB.SchDoc


INSIGHTSIP
ISP5261-WX-TB-A
C3
D0
D1
D2
D3
CLK
CS
J10
C5
J11
J12
J13
J7
D1
C2
C1
Q1
J5
J6
SB5
R6
RF_CNTL2
J3
R7
RF_CNTL3
J1
J2
EXT GNT
EXT REQ
EXT PRI
EXT FREQ
R5
R4
R3
R2
R1
GPIO3/2
GPIO5/4
GPIO7/6
GPIO9/8
GPIO11/10
GPIO15/12
GPIO17/16
GPIO19/18
GPIO21/20
GPIO25/24
GPIO27/26
GPIO29/NC
GPIO35/NC
GND
VDD
NC/NC
NC/NC
GPIO1/0
GPIO55/54
GPIO53/52
GPIO51/50
GPIO49/48
GPIO47/46
GPIO45/44
GPIO43/42
GPIO41/40
GPIO37/36
GPIO39/38
GND
VDD

Comment	Description	Designator	Footprint	LibRef	Quantity
ISP10006	MLCC - SMD/SMT 10UF 6.3V 20% X5R 0603	C1	CAP0603	CMP-005-000249-1	1
ISP11275	MLCC - SMD/SMT 0402 0.1uF 16volts X7R 10%	C2, C5	CAP0402	CMP-005-000454-1	2
0.1uF	MLCC - SMD/SMT 0201 0.1uF 10volts X5R 10%	C3	CAP0201	ISP10156	1
PRTR5V0U2X	Ultra-Low capacitance double rail to rail ESD protection diode	D1	SOT190P230X110-4L	ISP10770	1
TSM-102-01-L-SH-A	Pin List 1x2, 2.54mm (100mil), Right Angled, SMD	J1	CON_HDR1x2_ANG	ISP11372	1
Con_HDR1x2	2 PIN HEADER 2.54 mm PITCH	J3	CON_HDR1X2	ISP10433	1
Conn Header HE10 2x14pin	HDR 2x14 pins 1.27mm	J5, J6	HDR2X14_1.27mm	Conn Header HE10 2x14pin	2
Con_USB_Micro	USB micro B connector	J7	CON_USB_MICRO	ISP10036	1
87024-620LF	Board to Board & Mezzanine Connectors 2X20P RECPT	J8, J9	87024-620LF	ISP11480	2
MX25U51245GZ4I00	NOR Flash Serial NOR 1.8V 512Mbit x4 I/O WSON-8 8x6mm QE=1	Q1	MX25U51245GZ4	ISP11485	1
4.7k	Thick Film Resistors - SMD 4.7K OHM 1%	R1	RES0402	ISP11022	1
ISP11022	Thick Film Resistors - SMD 4.7K OHM 1%	R2, R3, R4, R5, R6, R7	RES0402	CMP-019-000421-1	6
0R05	Current Sense Resistors - SMD 0402 0.05ohms 5% Thick Film Resistor	R8	RES0402	ISP11558	1
ISP5261-WX	Wi-Fi - BLE - 802.15.4 module	U1	ISP5261-WX	ISP5261	1