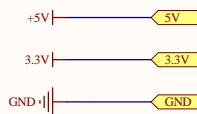
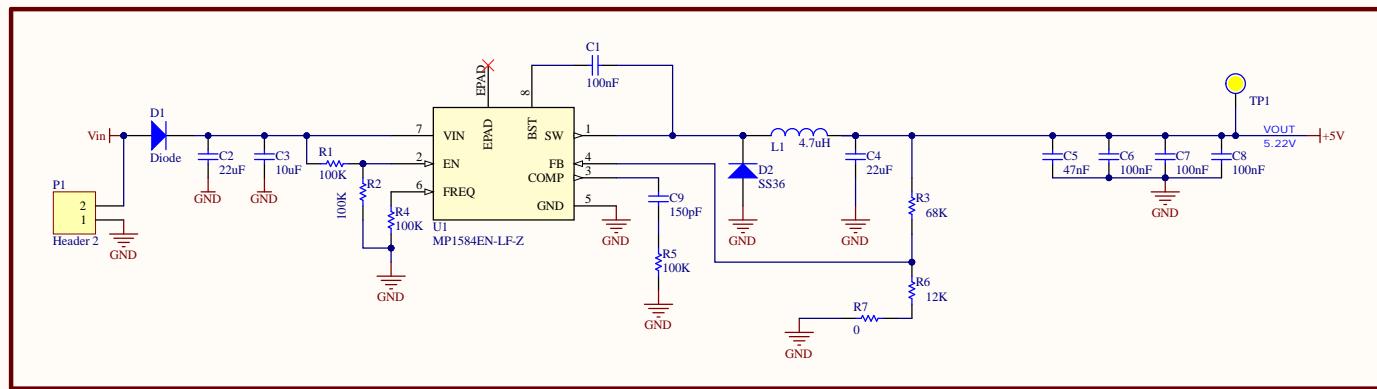


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Date: 12/20/2025 File: D:\NCKH\..\Main.SchDoc	Sheet of	Drawn By:

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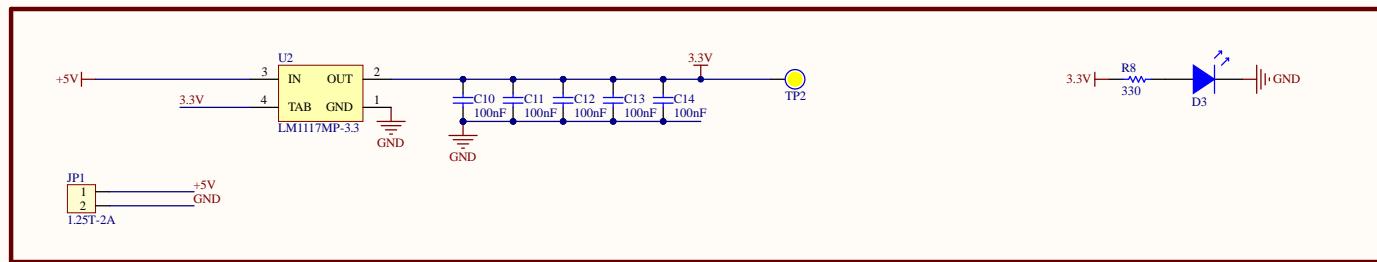


A



B

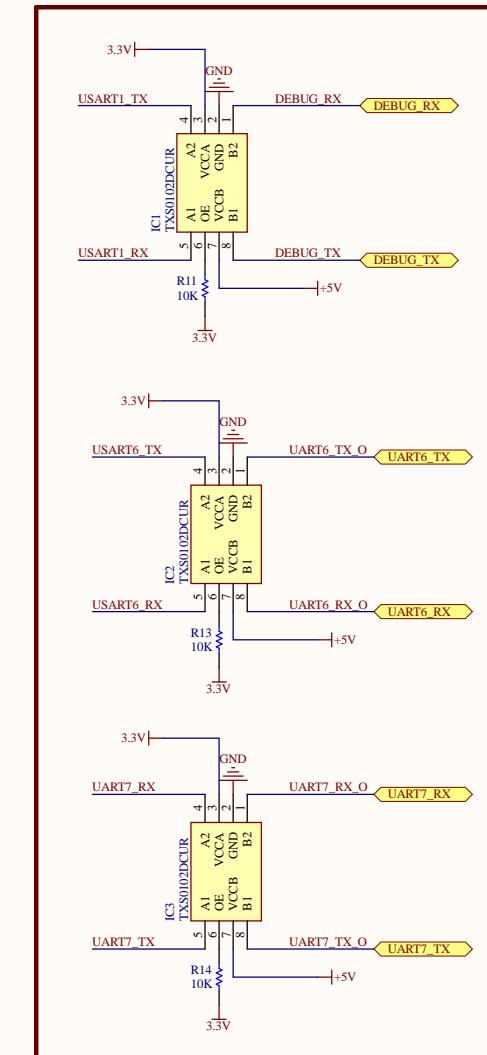
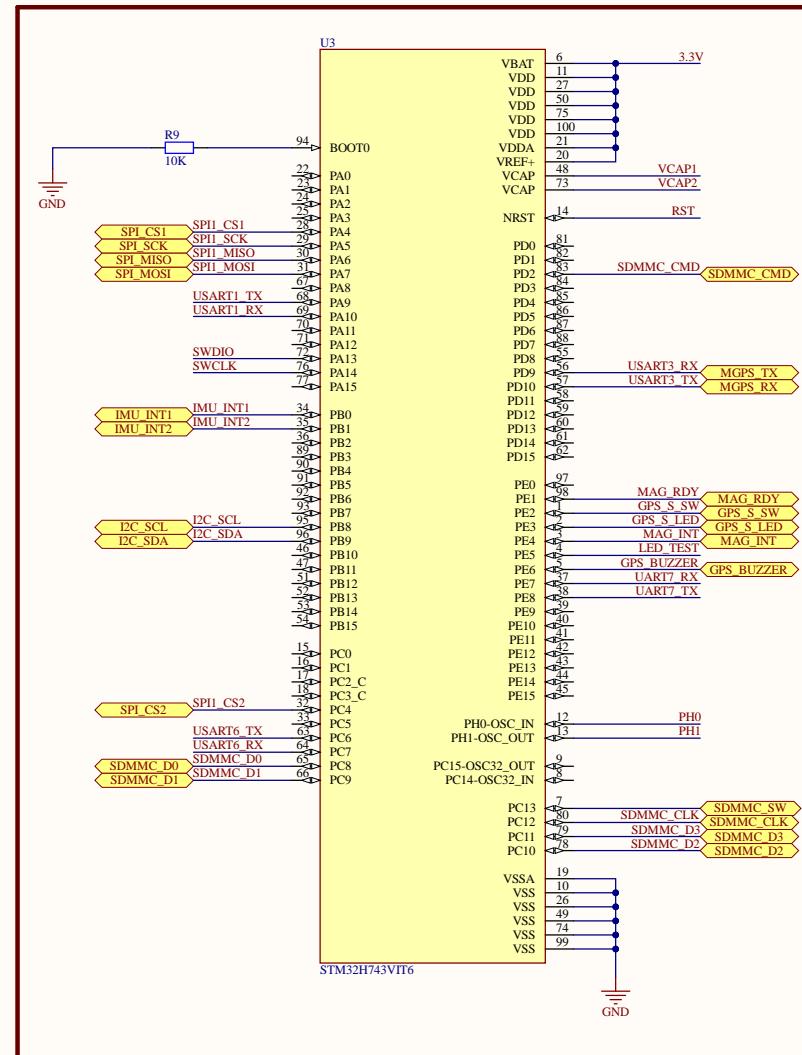
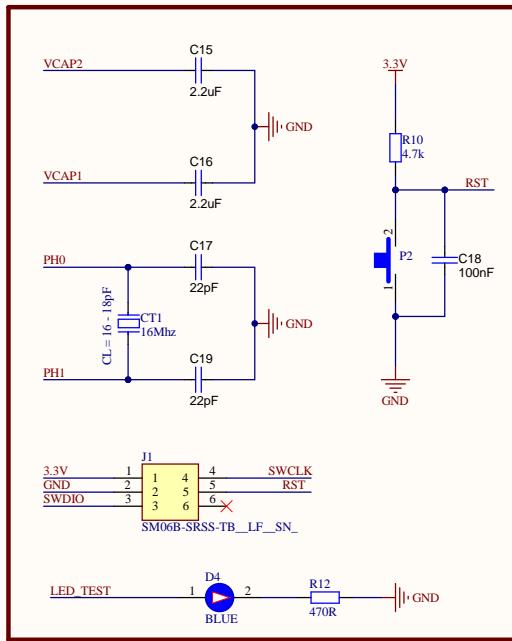
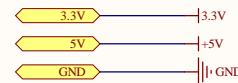
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C

C

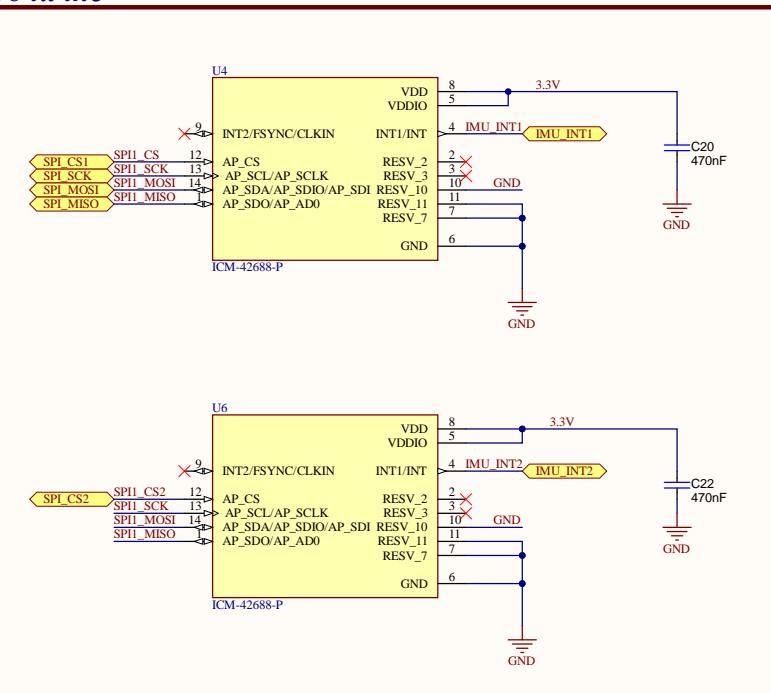
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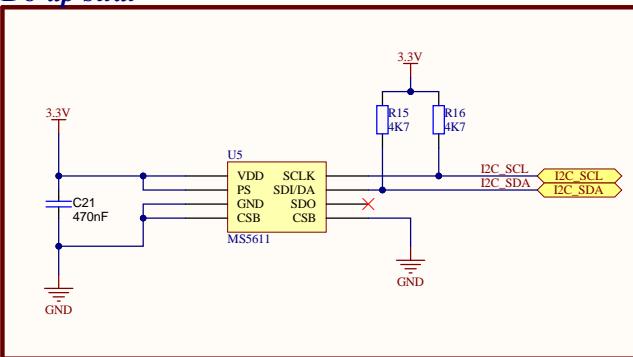
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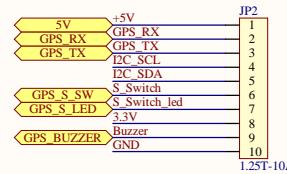
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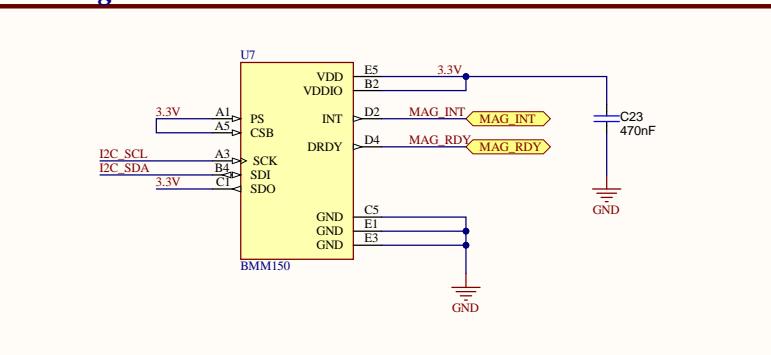
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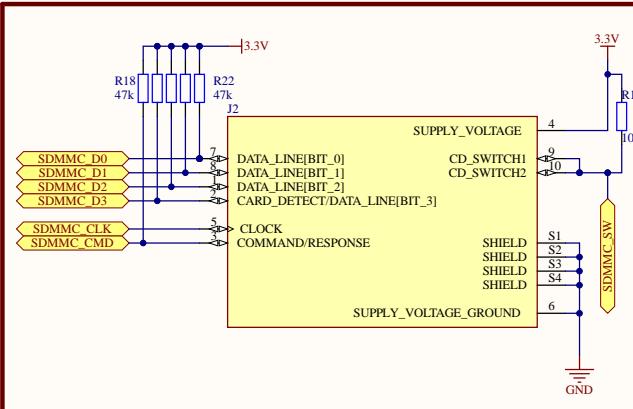
GPS



Đo hướng



The SD



Title

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A

A

B

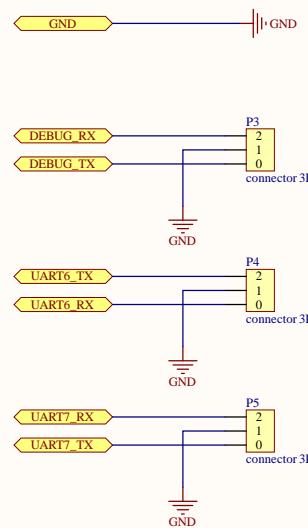
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C

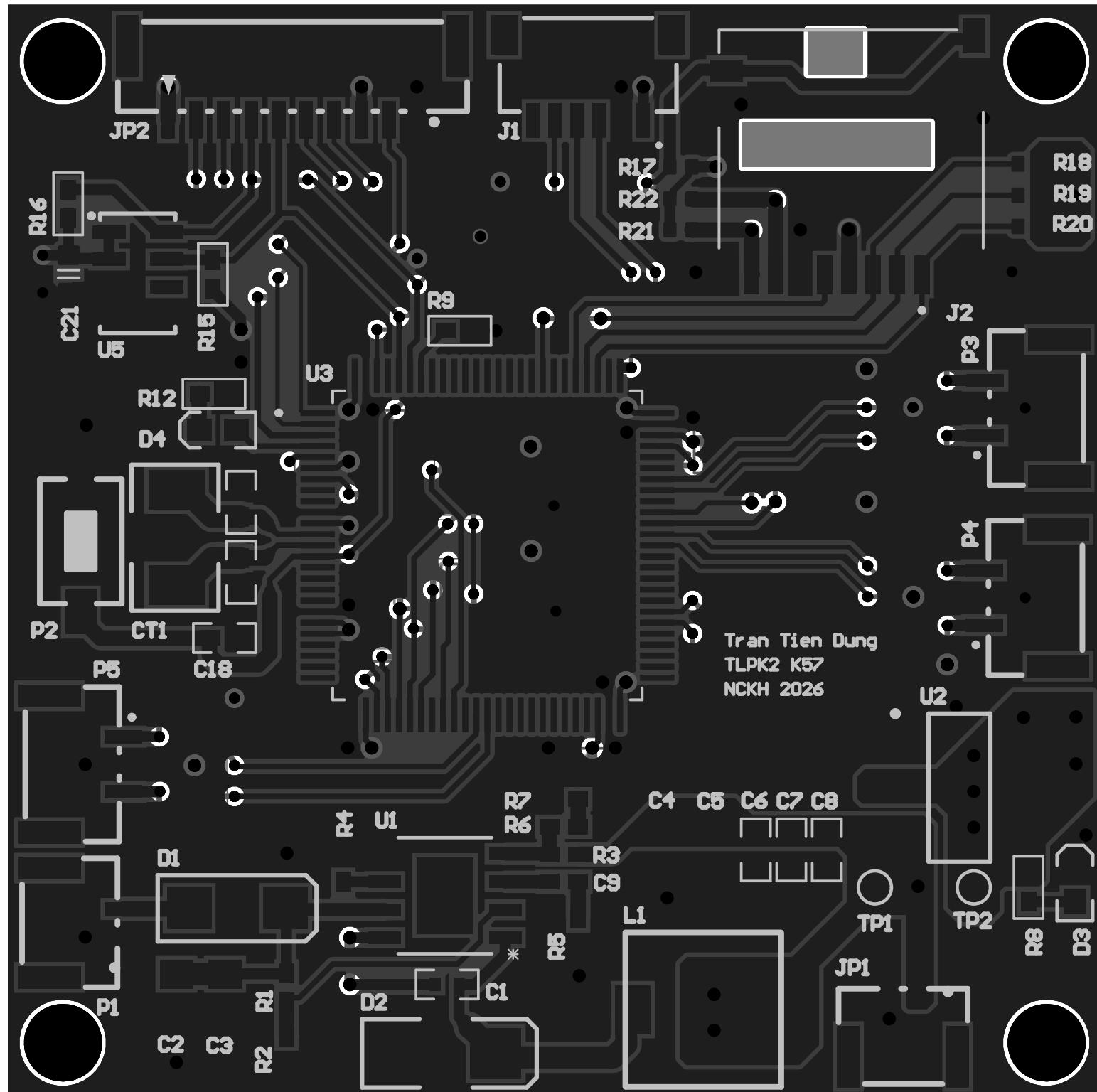
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D

D



Title		
Size	Number	Revision
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Date: 12/20/2025	Sheet of	
File: D:\NCKH_\Interface.SchDoc	Drawn By:	



Comment	Description	Designator	Footprint	LibRef	Quantity
100nF		C1, C6, C7, C8, C10, C11, C12, C13, C14	CAPC-0402 (0506)	TU THUONG	9
22uF		C2, C4	2012[0805]	TU THUONG	2
10uF		C3	2012[0805]	TU THUONG	1
47nF		C5	2012[0805]	TU THUONG	1
150pF		C9	1005[0402]	TU THUONG	1
Tú gồm	Capacitor SMD Cer 470nF 10% 16V X7R_0603	C15, C16	CAPC-0402 (0506)	CAP C_0603	2
22pF	Capacitor SMD Cer 470nF 10% 16V X7R_0603	C17, C19	CAPC-0402 (1005)	CAP C_0603	2
100nF	Capacitor SMD Cer 470nF 10% 16V X7R_0603	C18	CAPC-0402 (1005)	CAP C_0603	1
470nF	Capacitor SMD Cer 470nF 10% 16V X7R_0603	C20, C21, C22, C23	CAPC1608X90N	CAP C_0603	4
16Mhz	Crystal For all Crystal 2pin.	CT1	CRYSTAL-SMD5032	CRYSTAL	1
Diode		D1	DIODE SMD	Diode	1
SS36	Default Diode	D2	SMB	Diode	1
LED		D3	LED_0603_BLUE	LED	1
BLUE	LED BLUE 0603 SMD	D4	LED_0603_BLUE	LED BLUE 0603	1
TXS0102DCUR	Integrated Circuit	IC1, IC2, IC3	TXS0102DCUR	TXS0102DCUR	3
SM06B-SRSS-TB_LF_SN	Connector	J1	SM06B-SRSS-TB	SM06B-SRSS-TB_LF_SN	1
	MEMORY CARD CONNECTOR, MICROSD, 8 POSITION, FULL REEL; Memory / Card Type:MicroSD; Insert & Eject Mechanism:Push-Pull; No. of Contacts:8Contacts; Contact Material:Copper Alloy; Contact Plating:Gold Plated Contacts; Product Range:- RoHS Compliant: Yes	J2	AMPHENOL_11400 84168	1140084168	1
1.25T-2A	Cảm	JP1	BM02B-GHS	Header 1_2.54_2P	1
1.25T-10A	Cảm	JP2	BM10B-GHS-TBT	Header 1_2.54_10P	1
4.7uH		L1	INDUCTOR SMD 7x7	Inductor SMD	1
Header 2	Header, 2-Pin	P1	BM02B-GHS	Header 2	1
SMD Mini Push Value	Button Switch 2 Pin 3x6x2.7mm	P2	SW 2P SMD	Button 2 SMD	1
connector 3P		P3, P4, P5	GH-3AB	connector 3P	3
100K	Resistor	R1, R2, R4, R5	1005[0402]	Res1	4
68K	Resistor	R3	1005[0402]	Res1	1
12K	Resistor	R6	1005[0402]	Res1	1
0	Resistor	R7	1005[0402]	Res1	1
330	Semiconductor Resistor	R8	RESC-0402 (1005)	Res Semi	1
10K	RES SMD 10K OHM 1% 1/10W 0603, Semiconductor Resistor	R9, R11, R13, R14	RESC-0402 (1005)	RC0603FR-0710KL, Res Semi	4
4.7k	Dán	R10	RESC-0402 (1005)	Tro 0603 5% 4.7k	1
470R	Dán	R12	RESC-0402 (1005)	Tro 0603 5% 470R	1
4K7	RES SMD 4.7K OHM 1% 1/10W 0603	R15, R16	RESC-0402 (1005)	RC0603FR-074K7L	2
10k	Resistor SMD 0402	R17	RES_0402	RES_0402	1
47k	Resistor SMD 0402	R18, R19, R20, R21, R22	RES_0402	RES_0402	5
MP1584EN-LF-Z	No Description Available	U1	SOIC8E_MPS	MP1584EN-LF-Z	1
LM1117MP-3.3	800mA Low-Dropout Linear Regulator, 4-pin SOT-223	U2	MP04A_N	LM1117MP-3.3	1
STM32H743VIT6	ARM® Cortex®-M7 STM32H7 Microcontroller IC 32-Bit Single-Core 480MHz 2MB (2M x 8) FLASH 100-LQFP (14x14)	U3	QFP50P1600X1600 X160-100N	STM32H743VIT6	1
ICM-42688-P	Accelerometer, Gyroscope, 6 Axis Sensor Output	U4, U6	PQFN50P300X250X97-14N	ICM-42688-P	2
MS5611		U5	MS5611_1	MS5611	1
BMM150	FlipCore, Hall Effect Sensor X, Y, Z Axis 12-WLCSP (1.56x1.56)	U7	XDCR_BMM150	BMM150	1