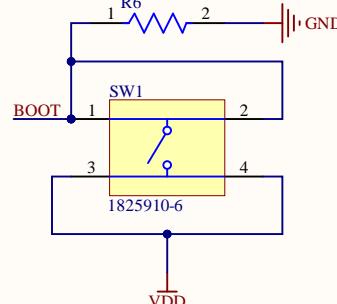
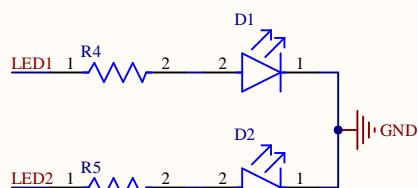
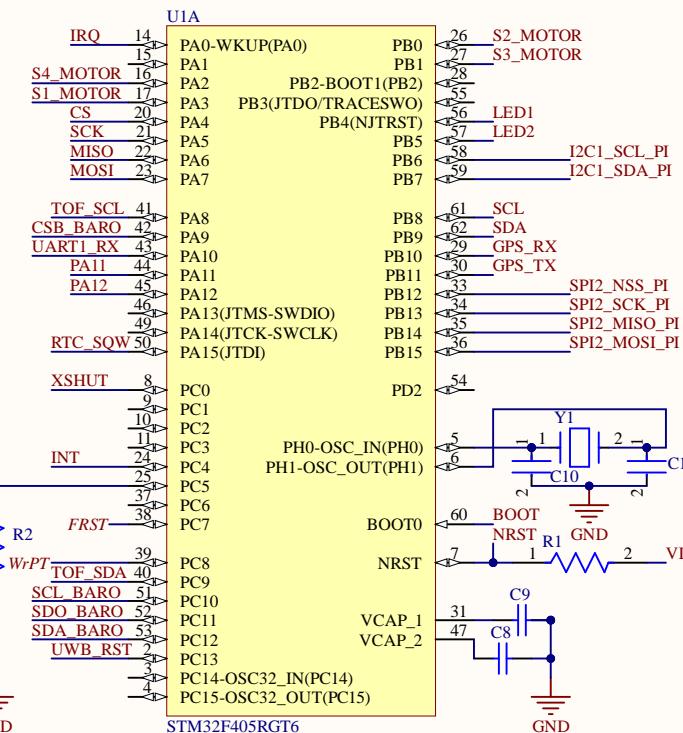


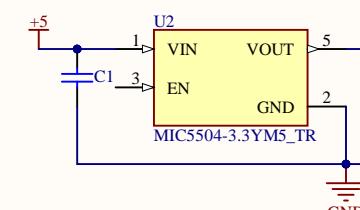
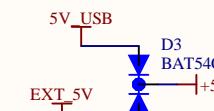
POWER PIN STM32



LED & BOOT

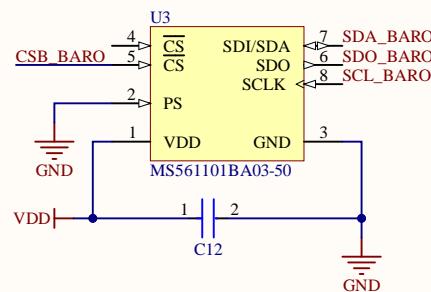
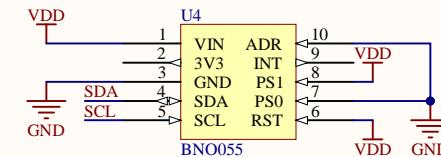
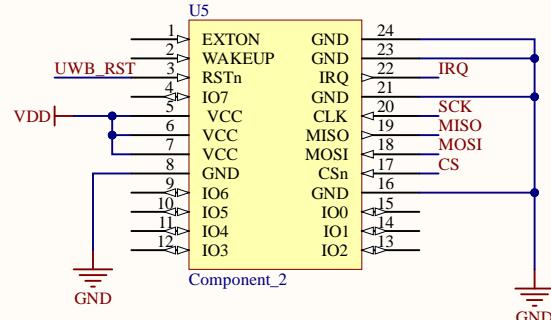
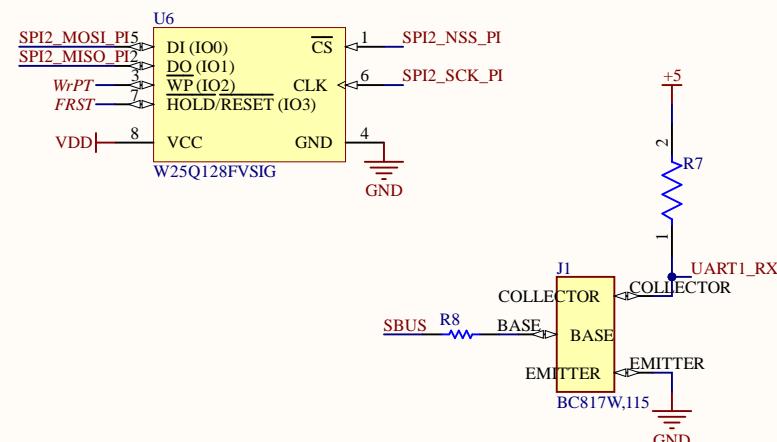


STM32F405RGT6



SCHOTTKY DIODE & LDO

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**BAROMETER****BNO055****UWB****SBUS**

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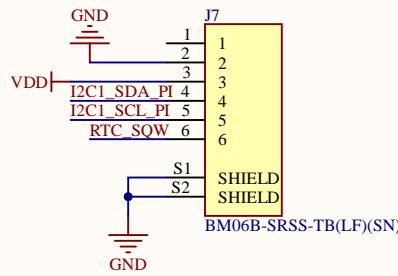
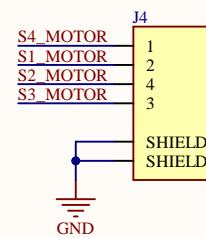
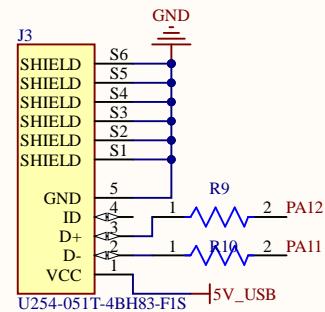
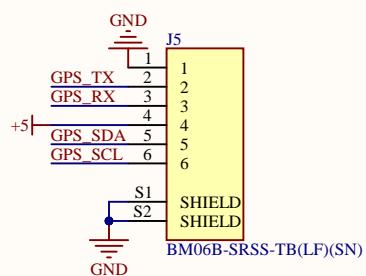
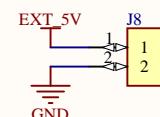
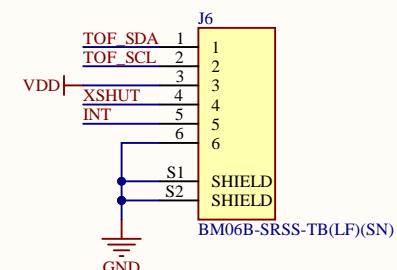
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*I2C PI**MOTOR PWM**STM USB**GPS**POWER SUPPLY*

Title

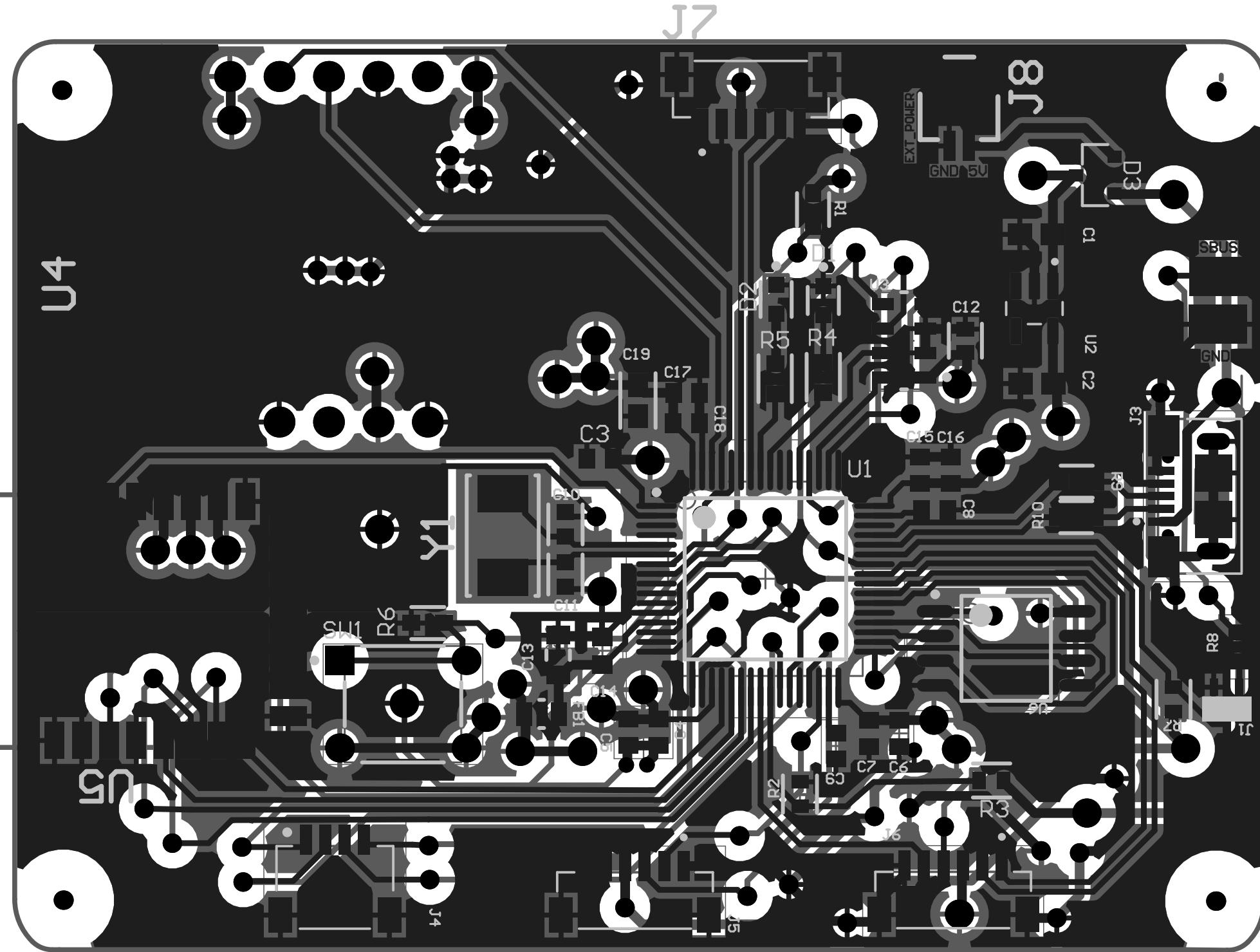
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Line #	Name	Description	Designator	Revision ID	Revision State	Revision Status	Quantity	Manufacturer	Manufacturer Part Number 1	Manufacturer Lifecycle 1	Supplier 1	Supplier Part Number 1	Supplier Unit Price 1	Supplier Subtotal 1
0X03Y1G1052A14A			C10		Unknown server		3	Kyocera AVX	0X03Y1G1052A14A	Volume Production				
VJ0603Y104000A#	[NoValue], 100nf	C14, C4, C5, C6, C7, C8, C9, C15, C16, C17, C18			Unknown server		11	Vishay Vltrimon	VJ0603Y1040XXAP	Volume Production				
	General Purpose Ceramic Capacitor 0603, 22pf, 5%, NP0, 30ppm/°C, 50V	C10, C11			Unknown server		2	Kyocera AVX	0X035A2201AT2A	Volume Production				
0X035A2201AT2A														
	Capacitor, Ceram, Cap. 100nf, Tol 10%, SMT: Vol-Rtg 16V X7R, Tape and Reel	C12			Unknown server		1	KEMET	C0603C104K4RACTU	Volume Production				
CGA3E2X7R1H104K080AA	Cap Ceramic, 100nf 50V X7R 10% Pad SMD 0603 + 125°C Auto Mount T/R	C13			Unknown server		1	TDK	CGA3E2X7R1H104K080AA	Volume Production				
GRM188R71H103KA01D	Chip Capacitor, 10 nf, +/- 10%, 50 V, 55 to 125degC, Multilayer, RoHS, Tape and Reel	C14			Unknown server		1	Murata	GRM188R71H103KA01D	Obsolete				
GRM188R60J106ME47D	Chip Multilayer Ceramic Capacitors for General Purpose, 0603, 10uf, X5R, 15%, 20%, 3V	C19			Unknown server		1	Murata	GRM188R60J106ME47D	Volume Production				
LG129K_G21-24-Z	LED RED 0603 SMD	D1			Unknown server		1	Osrn Opto	LG129K_G21-24-Z	Not Recommended for New Design				
VLM1300-G508	LED RED 0603 SMD	D2			Unknown server		1	Vishay Semiconductors	VLM1300-G508	Volume Production				
BAT54C	Diode, SCHOTTKY, DUAL Diode Type:Schottky; Voltage: Vrrm:30V; Current: If AV:300mA; Current: Ifm:1A Voltage: Vrrm:30V Max:0.4V; Max Junction Temperature, TJ:150°C; Termination Type:SMD; Case Style:SOT-23; No of Pins:3; Current of Each Pin: 1A Compliant: Yes	D3			Not managed		1							
MPZ2012S101ATD25	FERRITE BEAD 100 CHM005.1LN	F81			Unknown server		1	TDK	MPZ2012S101ATD25	Volume Production				
B0817W_115	Bipolar (BJT) Transistor npn-45 V-600 mcd, 200mA@11 200mV/Surface Mount SOT-323				Not managed		1							
U254-051T-4B9B3	USB - Micro B FEMALE USB 2.5 SMD, 100mA, Connector Ref#5	F15			Not managed		1							
SM04B-SRS-TB(L7)(SN)	Connector Header Surface Mount, Right Angle, 4 position 0.091 (0.0mm)	J4			Not managed		1							
BM04B-SRS-TB(L7)(SN)	Connector Header Surface Mount, Right Angle, 2 position 0.091 (0.0mm)	J5, J6, J7			Not managed		5							
SM02B-SRS-TB(L7)(SN)	Connector Header Surface Mount, Right Angle, 2 position 0.091 (0.0mm)	J8			Not managed		1							
AC0403FR-0710K	Resistor, 0.1W, 100% 0.1W 0603	R1, R6			Unknown server		2	Yageo	AC0403FR-0710KL	Volume Production				
MCT06030C1002P500	RES SMD 100Ω 0.01% 1% 0.1W 0603	R2, R3, R7			Unknown server		3	Vishay	MCT06030C1002P500	Volume Production				
AC0403FR-071K1L	RES SMD 100Ω 0.01% 0.1W 0603	R4, R5			Unknown server		2	Yageo	AC0403FR-071KL	Volume Production				
RO2603UR-074KL	Chip Resistor, 4.7 Kohm, +/- 10%, 0.01W, 55degC, 0603, 1000M (1000 Metr.), RoHS, Tape and Reel	R8			Unknown server		1	Yageo	RO2603UR-074KL	Volume Production				
CP0603B22E1	RES SMD 220Ω 0.1% 0.1W 0603	R9, R10			Unknown server		2	TE Connectivity Neohm	CP0603B22E1	Volume Production				
1825910-6	Tact Switch, SPST-NO, 0.8A, .25 to 10VDC, 10A, TxD, RoHS, Bulk	SW1			Unknown server		1	TE Connectivity Alloswitch	1825910-6	Volume Production				
STM32F405RG16	ARM Cortex-M4 32-bit MCU+FPU, 100MHz, 512KB Flash, 96KB Internal RAM, 51 I/O, 44-pin LQFP, 40 to 85degC, Tzg7	U1			Unknown server		1	STMicroelectronics	STM32F405RG16	Volume Production				
MIC550A-3.3VMS_TR	Linear Voltage Regulator IC Positive Fixed 1 Output 3.3V, SOT-223-5	U2			Not managed		1							
M581101BA03-5	Barometric Pressure Sensor, with Standalone I2C Interface, 1.8 to 3.6V, 45 to 85 degC, 8 Pin QFN, RoHS, Tape and Reel	U3			Unknown server		1	Measurement Specialties	M581101BA03-50					
RN0095		U4			Not managed		1							
Component_2		U5			Not managed		1							
W25Q128V5IG	5V 128M-Bit Serial Flash Memory Dual/Quad SPI & QI, 2.7 to 3.6V, 40 to 85 degC, 8 Pin SOIC, RoHS, Tape and Reel	U6			Unknown server		1	Winbond	W25Q128V5IG	Obsolete				
ABM7-8.000MHz-B-R80-D2Y-1	Crystal 8MHz 120ppm 8pin SMD 2.4mm x 3.5mm	V1			Unknown server		1	Abralon	ABM7-8.000MHz-B-R80-D2Y-1					