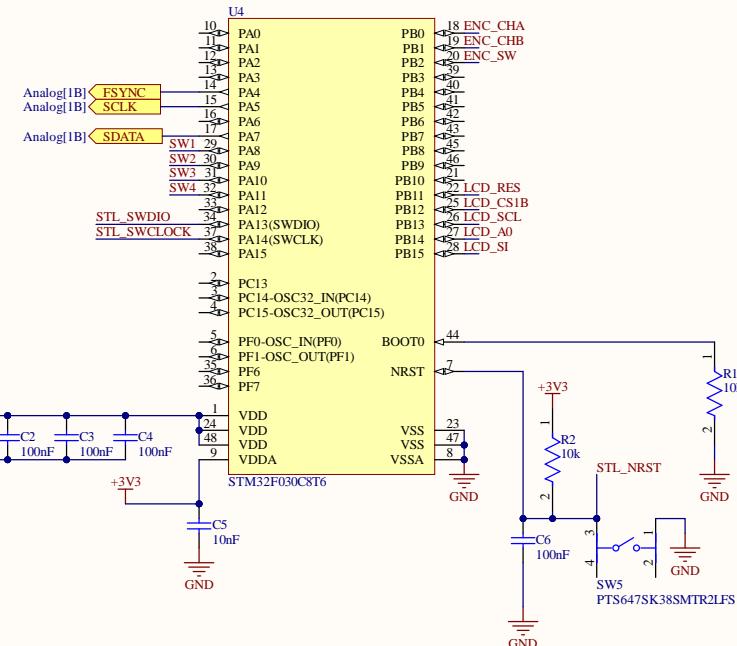
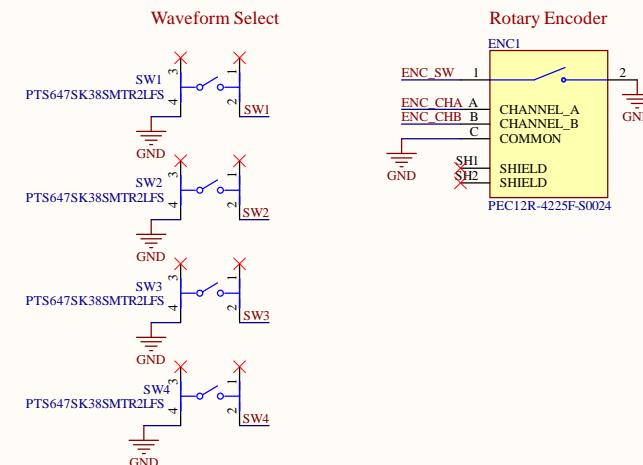


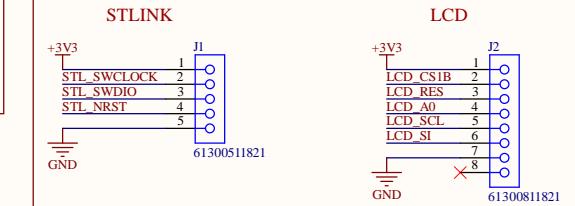
MCU



User Interface

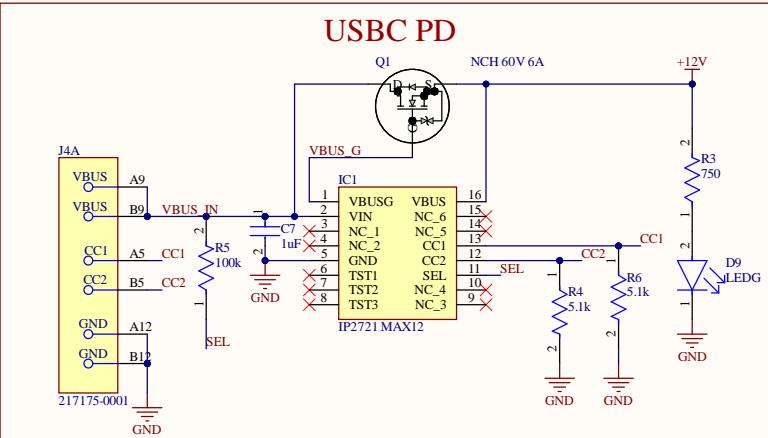
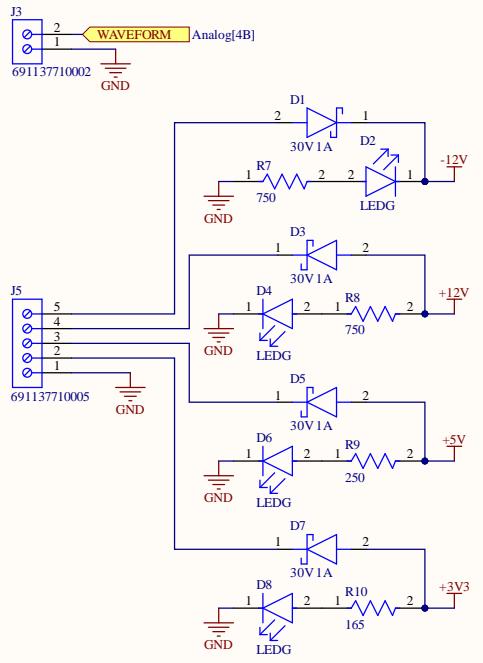


Connectors

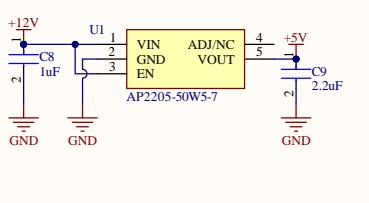


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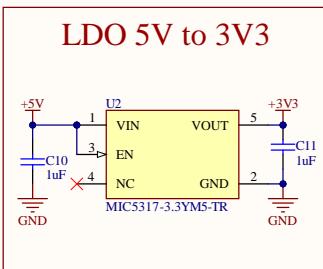
Output Terminals



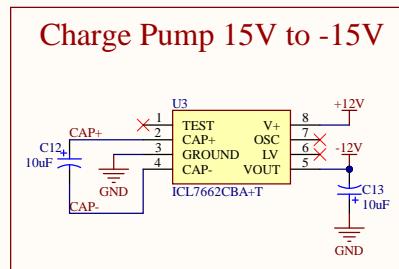
LDO 12V to 5V



LDO 5V to 3V3



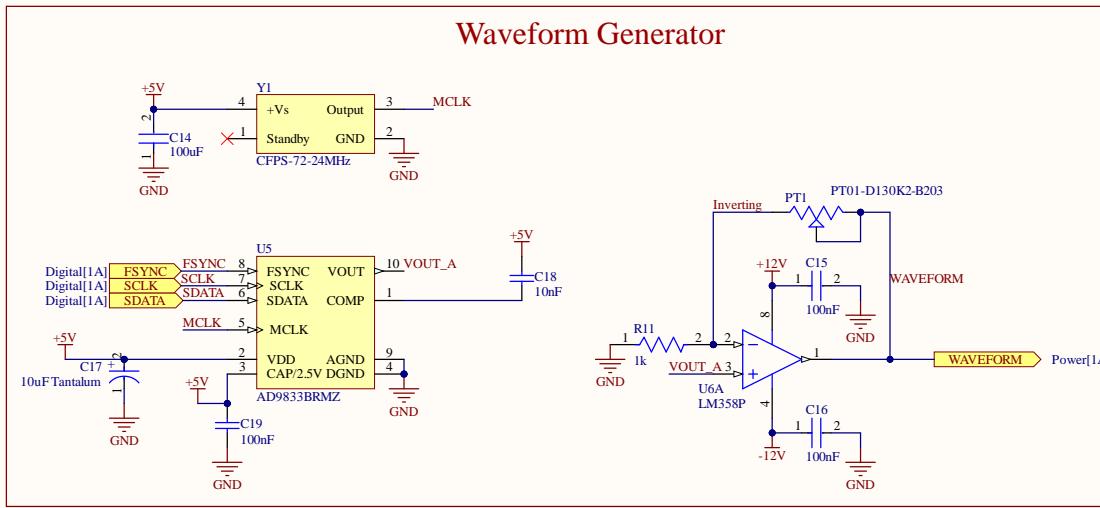
Charge Pump 15V to -15V



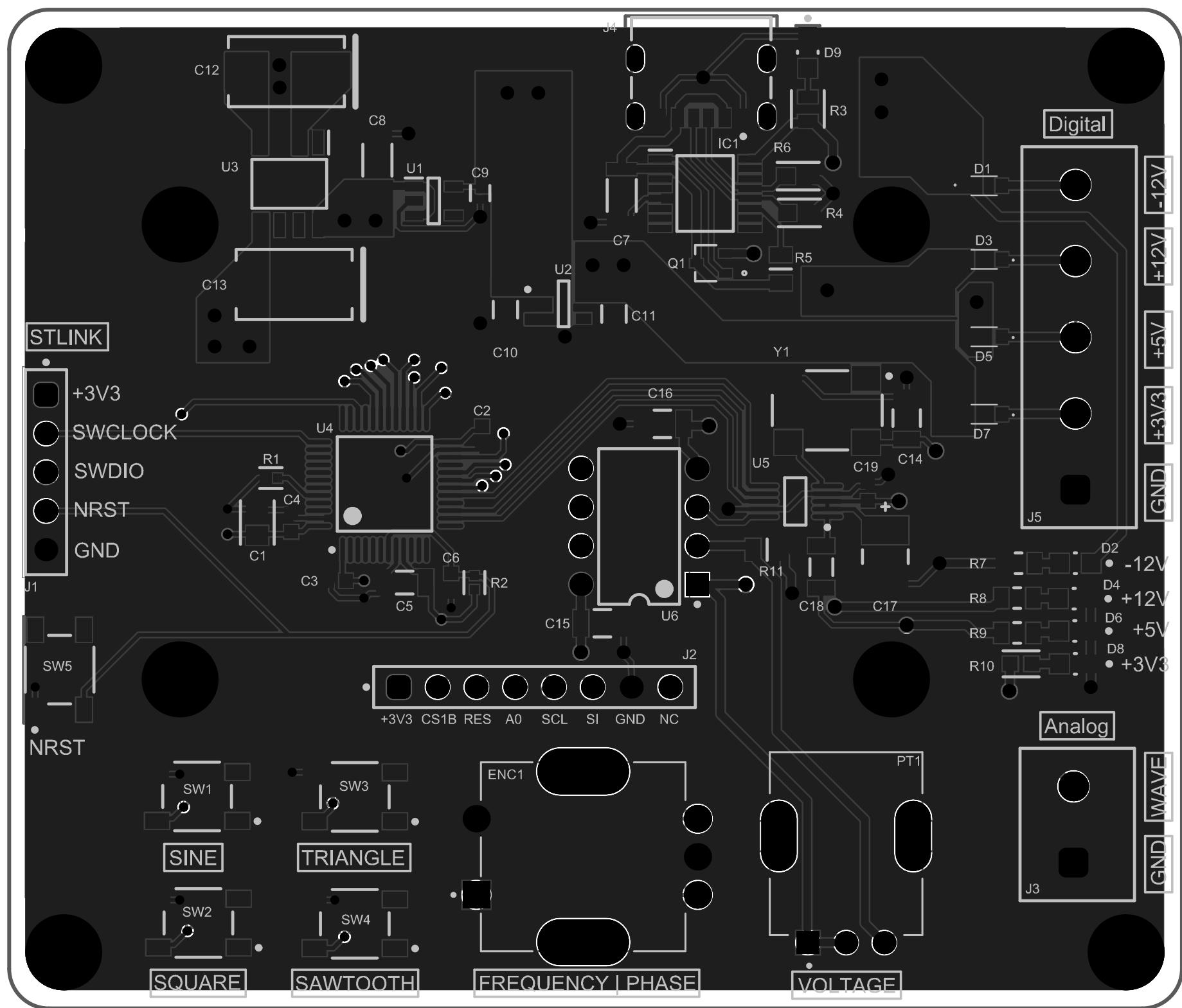
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Line #	Name	Description	Designator	Revision ID	Revision State	Revision Status	Quantity	Manufacturer 1	Manufacturer Part Number 1	Manufacturer Lifecycle 1	Supplier 1	Supplier Part Number 1	Supplier Unit Price 1	Supplier Subtotal 1
	4.7uF	Chip Multilayer Ceramic Capacitors for General Purpose, 0805, 4.7uF, X5R, 10%, 20%, 25V	C1		Unknown server			Bradford Electronics	RUR20C2371FS					
	100nF	Ceramic 100nF X7R 16% 5% Ceramic 100nF X7R 16% 5% 120%	C2, C3, C4, C6, C19		Unknown server		5	KEMET	C0603X104JURACTU	Volume Production				
	10uF	CAP 10uF 10V 5% 1206 (3216 Metric) Thickness 1.45mm SMD	C5, C18		Unknown server		2	KEMET	C1206C103JUGAC					
	1uF	Cap Ceramic 1uF 25V X7R 20% Pd Coated 1206 +125°C Auto Reverse TR	C7, C8		Unknown server		2	TDK	CGA5L2X7R1E105M160AD	Volume Production				
	2.2uF	C0402	C9		Unknown server		1							
	1uF	CAP 1uF 10V ±5% 1206 (3216 Metric) Thickness 1.3mm SMD	C10, C11		Unknown server		2	KYOCERA AVX	1206ZC105JA1AA	Volume Production				
	10uF	Tantalum Capacitor, 10 uF, +/- 10%, 50 V, .55 mm to 125 degC, 2-Pin SMD (7343-43), RoHS, Tape and Reel	C12, C13		Unknown server		2	Vishay	293D106X050E2TE3	Volume Production				
	100uF, 100nF	C1060.10uF CGG10.00%25V X7R	C14, C15, C16		Unknown server		3	KEMET	C1206C104KGACTU	Volume Production				
	10uFTantalum	10%20V1411	C17		Unknown server		1	Vishay	293D106X0020B2TE3	Volume Production				
	30V1A	Schottky Diode	D1, D3, D6, D7		Not managed		4	Toshiba	CUS10S30J3RFB	Volume Production				
	LED3	LED GREEN CLEAR SMD	D2, D4, D6, D8, D9		Unknown server		5	Lite-On	LTST-C170GKT	Volume Production				
	PEC12R-4225F-S0024	24 Pulse Incremental Mechanical Rotary Encoder w/ 6mm Pin Shaft Through Hole, Burnt Orange, PEC12R-4225F-S0024	ENC1		Not managed		1							
	IP2721MAX12	Integrated Circuit	I1		Not managed		1							
	61300511821		J1		Unknown server		1	Wurth Elektronik	61300511821					
	61300811821		J2		Unknown server		1	Wurth Elektronik	61300811821					
	691137710002		J3		Unknown server		1	Wurth Elektronik	691137710002					
	217175-0001	CONN RCP USB2.0 C6+18P SMD RA	J4		Unknown server		1	Molex	217175-0001	Volume Production				
	691137710005		J5		Unknown server		1	Wurth Elektronik	691137710005					
	PT01-D130R2-B203		PT1		Not managed		1							
	NCH 60V6A	N-ch MOSFET, 60 V, 6.0 A, 0.036 mΩ@10V, SDT-323f(LM)	Q1		Not managed		1	Toshiba	SSM3K341TULFB					
	10k	RES thin Film, 10kΩ, 0.1%, 0.063W, 50ppm/°C, 0402	R1, R2		Unknown server		2	Venkel	TFCDR402-16W-C-1002BT	Volume Production				
	750	Thin Film Chip Resistors Automatic Grade 10% ±0.1% 50ppm/°C0805	R3		Unknown server		1	Yageo Group	ATO805BR0710KL	Volume Production				
	5.1k	RES thin Film, 5.1kΩ, 0.25%, 0.1W, 25ppm/°C, 0603	R4, R6		Unknown server		2	Venkel	TFCDR603-10W-E-5101CT-1K	Volume Production				
	0805, RES 1.05k	0805, RES 1.05kΩ CHM 0.5% 1/5W 0805	R5, R11		Unknown server		2	Vishay	MCU0805F1001BP100	Volume Production				
	750, 250	6.8kΩ±5% 1/125W 0805 Thick Film Chip Resistor AEC-Q200 compliant, 0805 250 Ohms 0.25W	R7, R8, R9		Unknown server		1	Stackpole Electronics	RMC0805TR6K80	Volume Production				
	165	RES thin Film, 620Ω, 0.25%, 0.1W, 25ppm/°C, 0603	R10		Unknown server		1	Venkel	TFCDR603-10W-E-6200CT	Volume Production				
	PT364793Q8SMTR2LF	TACT4.5X4.5, 3.8 MMH, 2.5N, SW1, SW2, SW3, SW4, SW5	U1		Unknown server		5	C&K Components	PT364793Q8SMTR2LF	Volume Production				
	AP2205-50W5-7	Integrated Circuit	U1		Not managed		1							
	MOS317-3.3M5-TR	3.3V 15mA SOJ123 U2	U2		Unknown server		1	Microchip	MIC317-3.3M5-TR	Volume Production				
	KLU762CBA+T	Integrated Circuit	U3		Not managed		1	Analog Devices	ICL762CBA+T	Volume Production				
	STM32F030C8T6	ARM Cortex-M0 32-bit MCU, 64 kB Flash, 8 kB Internal RAM, 39 IOs, 48 Pin LQFP, -40 to 85 degC, Tape and Reel	U4		Unknown server		1	STMicroelectronics	STM32F030C8T6TR	Volume Production				
	AD9833BRMZ	Low Power 12.65 mW, 2.3 V to 5.5 V, Programmable Waveform Generator, 10-Bit Serial, RM-10, 50 Tube, Pb-Free	U5		Unknown server		1	Analog Devices	AD9833BRMZ	Volume Production				
	LM358P	Dual Operational Amplifier, 35 dBV/V, 0 to 70 degC, 8-Pin PDIP (P), RoHS, Tape and Reel	U6		Unknown server		1	Texas Instruments	LM358P	Volume Production				
	8310190622-WS	SPXO Crystal Oscillator	Y1		Unknown server		1	Wurth Elektronik	8310190622					