

Qty	Refs	Mfg. Part	Description	Package	Supplier	Supplier Part	\$ single	\$ qty 100
1	U1	MK20DX128VLF50	ARM Cortex-M4 microcontroller	LQFP-48	Digi-Key	MK20DX128VLF50-ND	\$4.78	\$2.66
1	X1	TSX-3225 16.0000MF18X-AC3	16 MHz crystal	custom	Digi-Key	SER3636CT-ND	\$0.63	\$0.42
5	C2,3,4,6,11	CL10F104ZA8NNNC	0.1uF ceramic cap	SMT 0603	Digi-Key	1276-1011-1-ND	\$0.10	\$0.01
3	C1,5,10	CC0603ZRY5V5BB225	2.2uF ceramic cap	SMT 0603	Digi-Key	311-1452-1-ND	\$0.11	\$0.04
1	U2	AAT3110IGU-5.0-T1	5V switched cap boost converter	SOT23-6	Digi-Key	863-1505-1-ND	\$0.30	\$0.26
1	J1	10118194-0001LF	Micro USB, SMT, 4 DIP legs	custom	Digi-Key	609-4618-1-ND	\$0.46	\$0.30
2	FB1,2	ACML-0603-060-T	Ferrite bead, 1A	SMT 0603	Digi-Key	ACML-0603-060-TCT-ND	\$0.05	\$0.03
2	R1,2	RMCF0603JT33R0	33 ohm resistor, 1/10 W 5%	SMT 0603	Digi-Key	RMCF0603JT33R0CT-ND	\$0.02	\$0.01
1	U3	SN74HCT245PWR	Octal buffer	TSSOP-20	Digi-Key	296-8404-1-ND	\$0.51	\$0.32
1	R3	RMCF0603JT180R	180 ohm resistor, 1/10 W 5%	SMT 0603	Digi-Key	RMCF0603JT180RCT-ND	\$0.02	\$0.01
1	D1	LY Q976-P1S2-36	Yellow LED	SMT 0603	Digi-Key	475-2558-1-ND	\$0.09	\$0.06
2	C7,8	T491A106K010AT	10uF tantalum cap, 10V	SMT 1206	Digi-Key	399-3684-1-ND	\$0.38	\$0.17
1	C9	CC0603ZRY5V6BB105	1uF ceramic cap	SMT 0603	Digi-Key	311-1357-1-ND	\$0.10	\$0.02
8	R4-11	RMCF0603JT75R0	75 ohm resistor, 1/10 W 5%	SMT 0603	Digi-Key	RMCF0603JT75R0CT-ND	\$0.02	\$0.00
1	J2-1	68602-116HLF	Header 8x2 0.1" gold plated	0.1" 8x2 TH	Digi-Key	609-3364-ND	\$0.46	\$0.34
1	J2-2	101-166	IDC socket 8x2 0.1"	IDC	Digi-Key	ED10502-ND	\$0.33	\$0.22