

Qty	Part	Value	Package	Digikey PN	Manufacturer PN	Description
17	C1,C4,C5,C10,C11,C12,C13,C14,C16,C17,C18,C19,C20,C21,C22,C23,C24	0.1uF	0805	478-12799-1-ND	0805ZD104KAT2A	Ceramic Decoupling Capacitors
1	C2	10uF	0805	1276-6456-1-ND	CL21A106KPFNNG	Ceramic Capacitor - FAN5333BSX Cin
1	C3	1uF	0805	1276-2395-1-ND	CL21A105KACLNNC	Ceramic Capacitor - FAN5333BSX Cout
3	C6,C7,C15	4.7uF	CPOL0805	478-8120-1-ND	F920J475MPA	Tantalum Decoupling Capacitors
1	C8	68uF	1206	445-14673-1-ND	C3216X5R1A686M160AC	Ceramic Capacitor - LP3965 Cin
1	C9	33uF	CPOL0805	478-5350-1-ND	TLJP336M010R3500	Tantalum Capacitor - LP3965 Cout
1	CN1		2.0mm DC Barrel	2073-DCJ200-05-A-K1-ACT-ND	DCJ200-05-A-K1-A	2.0mm DC Barrel Jack
1	D1	MM3Z18VT1G	SOD-323	MM3Z18VT1GOSCT-ND	MM3Z18VT1G	18V Zener Diode
1	D2	MBR0540	SOD-123	MBR0540CT-ND	MBR0540	Diode
1	F1	3.5A	1206	507-1884-1-ND	C1F 3.5	3.5A Fuse
1	FB1	600R/1A	0603	240-2371-1-ND	MI0603J601R-10	Ferrite Bead
1	J1	NHD-5.0-800480	54132-4097	WM3431CT-ND	54104-4031	LCD FPC Connector
1	J2	NHD-5.0-800480	52271-0679	WM7955CT-ND	52271-0679	Touch controller FPC Connector
2	J3,J4		2x5 .1" PTH Shrouded	S9169-ND	SBH11-PBPC-D05-ST-BK	ISP Header (AS x1), JTAG header
1	J5		1x4 .1" PTH	N/A	N/A	UART header
1	L1	10uH	SPM10040T-100M-HZ	445-180240-1-ND	SPM10040T-100M-HZ	FAN5333BSX Inductor
2	LED1,LED2	GREEN	0805	67-1553-1-ND	ML-LXT0805IW-TR	User LEDs
2	LED3,LED4	RED	0805	67-1552-1-ND	SML-LXT0805IW-TR	Indicator LEDs (3.3VIO, INIT_DONE)
1	OSC1	50MHz	CRYSTALASV	535-9330-1-ND	ASV-50.000MHZ-EJ-T	Crystal Oscillator
1	R1	5.6	0805	311-5.60CRCT-ND	RC0805FR-075R6L	Backlight current set resistor
4	R2,R3,R4,R17	68	0805	311-68.0CRCT-ND	RC0805FR-0768RL	Discrete LED current limiting resistors
3	R5,R6,R7	27	0805	311-27ARCT-ND	RC0805JR-0727RL	Clock terminations
6	R8,R9,R10,R11,R12,R13	10k	0805	311-10.0KCRCT-ND	RC0805FR-0710KL	Config pull-up/downs
3	R14,R15,R16	1k	0805	311-1.00KCRCT-ND	RC0805FR-071KL	JTAG pull-up/downs
1	U1	RMLV0416EGSE	44-TSOP-2	RMLV0416EGSB-4S2	RMLV0416EGSB-4S2#HA1	SRAM
1	U2	EP2C5T144I8	144-TQFP	544-2138-ND	EP2C5T144I8	FPGA
1	U3	FAN5333BSX	SOT-23-5	FAN5333BSXCT-ND	FAN5333BSX	FAN5331 - LED/OLED 20V Boost Converter
1	U4	NCP565ST12T3	SOT-223	NCP565ST12T3GOSCT-ND	NCP565ST12T3G	1.2V Linear Regulator
1	U5	LP3965EMP-3.3	NDC0005A	LP3965EMP-3.3/NOPBCT-ND	LP3965EMP-3.3/NOPB	3.3V Linear Regulator
1	U6	EPCQ4ASI8N	8-SOIC	544-3442-ND	EPCQ4ASI8N	Serial Configuration Chip
1				NHD-5.0-800480TF-ATXL#-CTP-ND	NHD-5.0-800480TF-ATXL-C	LCD panel