Qty	Reference No.	Value	Package	Digikey PN	Manufacturer PN	Description	Note	
26	C2,C3,C4,C6,C9,C10,C11,C12,C13,C16, C18,C22,C24,C25,C27,C28,C29,C31, C32,C33,C35,C37,C38,C39,C42,C47	0.1uF	0402	1276-1022-1-ND	CL05A104KP5NNNC	Ceramic Decoupling Capacitors		
1	C44	220nF	0402	1276-1176-1-ND	CL05B224KO5NNNC	Ceramic compensation capacitor		
2	C41, C45	1uF	0603	1276-1860-1-ND	CL10A105KB8NNNC	TPS61165 output, EFM8 bypass capacitor	Backlight voltage	
3	C5, C17, C46	4.7uF	0805 (2012 AVX)	478-7545-1-ND	TAJP475K016RNJ	Tantalum Decoupling Capacitors		
2	C7, C8	10uF	0603	478-10766-1-ND	0603ZD106KAT2A	Ceramic AZ1117 input capacitors		
2	C14, C15	22uF	0603	1276-6504-1-ND	CL10A226MPCNUBE	Ceramic AZ1117 output capacitors		
1	C43	4.7uF	0603	1276-1045-1-ND	CL10A475KQ8NNNC	TPS61165 input		
1	J1		2.0mm DC Barrel	2073-DCJ200-05-A-K1-ACT-ND	DCJ200-05-A-K1-A	2.0mm DC Barrel Jack		
1	D5	MBR0540	SOD-123	MBR0540CT-ND	MBR0540	Backlight 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	J4	NHD-5.0-800480	54132-4097	WM3431CT-ND	54104-4031	LCD FPC Connector		
1	J5	NHD-5.0-800480	52271-0679	WM7955CT-ND	52271-0679	Touch controller FPC Connector		
1	J2							
1	L1	10uH		490-16513-1-ND	#A915AY-100M=P3	Backlight inductor		
3	R18,R23,R25	0	0402	RMCF0402ZT0R00CT-ND	RMCF0402ZT0R00	Jumpers (populated)		
	R20,R21,R24	0-DNP	0402	N/A	N/A	Jumpers (not populated)		
1	X1	50MHz	CRYSTALASV	535-9330-1-ND	ASV-50.000MHZ-EJ-T	Crystal Oscillator		
1	R10	3.3	0805	541-TNPW08053R30DEEACT-ND	TNPW08053R30DEEA	Backlight current set resistor, 0.5%		
4	R1,R2,R3,R4	470	0402	311-470LRCT-ND	RC0402FR-07470RL	Discrete LED current limiting resistors		
2	D1,D3		0603	475-3118-1-ND	LG L29K-F2J1-24-Z	LED - green		
2	D2,D4		0603	475-2506-1-ND	LS L29K-G1J2-1-Z	LED - red		
3	R15,R16,R29	27	0402	YAG3086CT-ND	RC0402FR-0727RL	Clock terminations		
11	R5,R6,R7,R8,R11,R12,R13,R14,R22,R27, R28	10k	0402	311-10KJRCT-ND	RC0402JR-0710KL	Config/etc pull-up/downs		
3	R26,R30,R31	1k	0402	YAG1254CT-ND	RC0402FR-071KP	JTAG pull-up/downs		
1	U8		90-TFBGA	1450-1010-ND	AS4C4M32S-7BCN	SDRAM 128Mb (4M x 32)		
1	U1		256-FBGA Thin	544-2828-ND	EP4CE6F17C8N	Cyclone IV FPGA		
1	U7		6-WSON	296-22944-1-ND	TPS61165DRVR	TPS61165 backlight driver		
1	U4	NCP565ST12T3(	SOT-223	NCP565ST12T3GOSCT-ND	NCP565ST12T3G	1.2V Linear Regulator		
1	U2	AZ1117H-3.3	SOT-223	AZ1117CH-3.3TRG1DICT-ND	AZ1117CH-3.3TRG1	3.3V Linear Regulator		
1	U3	AZ1117CH-2.5	SOT-223	AZ1117CH-2.5TRG1DICT-ND	AZ1117CH-2.5TRG1	2.5V Linear Regulator		
1	U6	EFM8BB	20-QFN	336-4847-1-ND	EFM8BB21F16I-C-QFN20R	SiLabs EFM8BB MCU		
1	U5		8-SOIC 150mil	W25Q80DVSNIG-ND	W25Q80DVSNIG	SPI Flash 8Mb (1M x 8)		
1				NHD-5.0-800480TF-ATXL#-CTP-ND	NHD-5.0-800480TF-ATXL-C1	LCD panel		
				732-12836-ND		Standoffs		
				H738-ND		Screws		
For breakout:								
1								
2				S9169-ND	SBH11-PBPC-D05-ST-BK			