

# Bill of Materials

PCF8553 Demoboard

Source Data From: OM13506.PrjPcb  
 Project: OM13506.PrjPcb  
 Variant: None

Creation Date: 5/2/2015 2:59:41 PM  
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Quantity	Description	Value	Code	Footprint	Designator
3	Tactile Switch		KMR221G LFS	KMR2	B101, B102, B103
1	RGB Backlight			BACKLIGHT	BL501
14	Ceramic Capacitor	100nF		CAP-0603	C101, C104, C108, C109, C110, C111, C112, C113, C114, C115, C211, C213, C342, C343
2	Ceramic Capacitor	22pF		CAP-0603	C102, C103
1	Ceramic Capacitor	10uF		CAP-0603	C105
2	Ceramic Capacitor	10uF		CAP-0805	C503
5	Ceramic Capacitor	4.7uF		CAP-0805	C212, C214, C215, C221, C222
1	Ceramic Capacitor	2.2uF		CAP-0805	C341
2	Ceramic Capacitor	10nF		CAP-0603	C501, C502
1	Micro USB		10118192-0001LF	MICROUSB	CN341
1	LED Diode Blue		150080BS75000	LED-0805	D101
1	LED Diode Green		150080GS75000	LED-0805	D102
1	LED Diode Red		150080RS75000	LED-0805	D103
1	Header, 19-Pin,			57102-G06-19LF	J401
3	Ferrite Chip Bead		BLM15HG601SN1D	RES-0805	L101, L102, L341
1	Passive display		ERS5161-1	ERS5161-1	LCD501
3	N-MOS Transistor		2N7002	SOT-23	Q501, Q502, Q503
3	P-MOS		DMP2035U	SOT-23	Q211, Q221, Q231
7	Resistor	4K7		RES-0603	R101, R107, R108, R303, R304, R307, R308
1	Resistor	820		RES-0603	R102
2	Resistor	3K3		RES-0603	R103, R104
4	Resistor	10K		RES-0603	R211, R221, R231, R354
8	Resistor	0		RES-0603	R110, R305, R312, R313, R315, R317, R319, R321
1	Resistor	470		RES-0603	R120
2	Resistor	47K		RES-0603	R213, R223
1	Resistor	16K	RG1608N-163-W-T1	RES-0603	R212
1	Resistor	100	RG16N100WCT-ND	RES-0603	R222
3	Resistor	22K		RES-0603	R501, R502, R503
2	Resistor	100		RES-0603	R504, R506
1	Resistor	130		RES-0603	R505
1	32-bit ARM Cortex		LPC154xJBD48	LQFP48	U101
1	1µA, 4-Bump		MAX9938WEUK	SOT-23-5	U212
1	300-mA, Low-IQ,		TLV70033DDCT	SOT-23-5	U211
1	1µA, 4-Bump		MAX9938FEUK	SOT-23-5	U221
1	2-Bit bidirectional		TCA9406DCTR	DCT	U301
5	Dual supply		74LVCH1T45GW	SOT363	U311, U312, U313, U314, U315
1	Ultra low		PRTR5V0U2x	SOT-143B	U341
1	Automotive 40 x 4		PCA8553DTT	TSSOP56	U501
1	Quartz Crystal	12MHz	ABM3B-12.000MHZ-B2-T	ABM3B	Y101

92	<b>Notes</b>				
<b>Approved</b>					