

# Bill Of Materials for Tablet\_LCD\_MCP73831\_SCH1

## 0 Modules

<u>Quantity</u>	<u>References</u>	<u>Value</u>	<u>description</u>
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Sub-totals:

## 16 Capacitors

<u>Quantity</u>	<u>References</u>	<u>Value</u>	<u>description</u>
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4	C1,C14-C16	0.47u	Capacitor SMD1206
12	C2-C13	4.7u	Electr. Capacitor SMC-B

Sub-totals:

## 49 Resistors

<u>Quantity</u>	<u>References</u>	<u>Value</u>	<u>description</u>
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18	R1,R5-R6,R10-R11,R15-R16,R20-R21,R25-R26,R30,R44-R49	470	Resistpr SMD1206
17	R2-R3,R7-R8,R12-R13,R18,R22-R23,R27-R28,R32,R34,R36,R38,R40,R42	10K	Resistpr SMD1206
6	R4,R9,R14,R19,R24,R29	30K	Resistpr SMD1206 0,1%
1	R17	4K7	Resistpr SMD1206
1	R31	6K8	Resistpr SMD1206
6	R33,R35,R37,R39,R41,R43	10	Resistor SMD2512 0.1%

Sub-totals:

## 18 Integrated Circuits

<u>Quantity</u>	<u>References</u>	<u>Value</u>	<u>description</u>
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6	U1,U3,U5,U7,U10,U12	PC817	Optocoupler DIP4
6	U2,U4,U6,U9,U11,U13	MCP73831	Li-Polymer Charge Management Controllers
1	U8	PCF8574	I2C LCD Driver
3	U14-U16	LM358N	Dual Operational Amplifiers
2	U17-U18	ADS1015	Low-Power, 16-Bit Analog-to-Digital Converter

Sub-totals:

## 18 Transistors

<u>Quantity</u>	<u>References</u>	<u>Value</u>	<u>description</u>
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6	Q1-Q6	IRFR9210	Power MOSFET transistor DPAK
6	Q7,Q9,Q11,Q13,Q15,Q17	ZVN3310F	N-CHANNEL FET SOT23
6	Q8,Q10,Q12,Q14,Q16,Q18	ZVN4424G	SOT223 N-CHANNEL ENHANCEMENT MODE VERTICAL DMOS FET

Sub-totals:

## 34 Miscellaneous

<u>Quantity</u>	<u>References</u>	<u>Value</u>	<u>description</u>
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12	D1-D12	LED-RED	LED5MM
6	G1,G4,G7,G10,G13,G16	CR2032V	CR Battery HOLDER VERTICAL
6	G2,G5,G8,G11,G14,G17	CR2430V	CR Battery HOLDER VERTICAL
6	G3,G6,G9,G12,G15,G18	CR2450V	CR Battery HOLDER VERTICAL
1	J1	AU-Y1007-R	USB Connector PN87520
1	LCD1	LCD 20X4 V2	LCD DISPLAY
1	NANO1	ARDUINO NANO V2	
1	RV1	5K	Multiturn potentiometer

Sub-totals: