

# Bill Of Materials for 1306\_L\_C\_METER\_SCH\_VIDEO1

## 0 Modules

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

## 6 Capacitors

<u>Quantity</u>	<u>References</u>	<u>Value</u>	<u>description</u>
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1	C1	22n	Capacitor SMD1206
1	C2	0.47u	Capacitor SMD 0805
2	C3-C4	10u	Electrolytic SMD-A
1	C5	100n	Capacitor SMD1206
1	C6	47u	Capacitor 47u/10v SMC-A

Sub-totals:

## 12 Resistors

<u>Quantity</u>	<u>References</u>	<u>Value</u>	<u>description</u>
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1	R1	100K	Resistor SMD0805
3	R2,R4,R6	1K	Resistor SMD0805
2	R3,R7	10K	Resistor SMD0805
1	R5	3K3	RESISTOR SMD0805
2	R8,R11	47K	RESISTOR SMD 0805
1	R9	33K	RESISTOR SMD1206
1	R10	10K	RESISTOR SMD1206
1	R12	220K	RESISTOR SMD 0805

Sub-totals:

## 2 Integrated Circuits

<u>Quantity</u>	<u>References</u>	<u>Value</u>	<u>description</u>
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1	U1	LM393	Dual Comparator
1	U2	ICL7660	Supply voltage conversions from positive to negative

Sub-totals:

## 6 Transistors

<u>Quantity</u>	<u>References</u>	<u>Value</u>	<u>description</u>
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3	Q1-Q3	ZVN3310F	N-channel MOSFET SOT23
1	Q4	2N7000	N-channel MOSFET TO92
1	Q5	BC817	Bipolar (BJT) Single Transistor, NPN, SOT23
1	Q6	STR2P3LLH6	Power MOSFET, P Channel, 30 V, 2 A, 0.048 ohm, SOT-23, Surface Mount

Sub-totals:

## 23 Miscellaneous

<u>Quantity</u>	<u>References</u>	<u>Value</u>	<u>description</u>
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1	ARD2	ARDUINO NANO	
2	B1-B2	3.7V	BK-18650-PC4 18650 DFTTERY HOLDER
1	CX	4n7	
1	D1	TS4148	SMD DIODE
2	D2-D3	BAT54S	
4	J1-J4	BNC7T-J-P-XX-RA-BH1	BNC SOCKET
1	L1	50m	INDUCTOR PK1216
1	LCD1	SSD1306 OLED (128x32)	
1	LX	10m	