

SCULLCOM HOBBY ELECTRONICS - MILLIVOLT METER Mk2 PARTS LIST

PCB is available from OSH Park. A PCB (using surface mount components) designed by one of my subscribers "pbreviceps" (Greg Christenson). Greg has taken my design and produced a very high quality PCB (double sided) and made it freely available to purchase from OSH Park (3 blank PCB's are supplied at a cost of US\$19.5 plus shipping costs). Direct link: https://oshpark.com/shared_projects/UWvehNO2

1 x LM2940IMP-5.0 - SOT-223 (Farnell Order Code 1469076)
1 x LT3092EST#PBF - SOT223 (Farnell Order Code 2295469)
1 x LT1634BCS8-1.25#PBF NSOIC-8 (Farnell Order Code 1273451)
1 x MAX680CSA+ NSOIC-8 (Farnell Order Code 9725717)
1 x INA106U – SOIC (Farnell Order Code 1212395)
4 x 56.2 Ω 250 mW, $\pm 0.1\%$ $\pm 15\text{ppm}/^\circ\text{C}$ (Farnell Order Code 9503277 or 1751304)
1 x 63.4 Ω 250 mW, $\pm 0.1\%$ $\pm 15\text{ppm}/^\circ\text{C}$ (Farnell Order Code 1083123)
1 x 10 Ω 250 mW, $\pm 0.1\%$ $\pm 15\text{ppm}/^\circ\text{C}$ (Farnell Order Code 1083036)
1 x 100 Ω 250 mW, $\pm 0.1\%$ $\pm 15\text{ppm}/^\circ\text{C}$ (Farnell Order Code 9499865 or 1083143)
1 x 499 K Ω 250 mW, $\pm 0.1\%$ $\pm 15\text{ppm}/^\circ\text{C}$ (Farnell Order Code 1083547)
1 x 220 μF 35v electrolytic (Farnell Order Code 1144628) or similar
4 x 22 μF 25v electrolytic (Farnell Order Code 2079085) or similar
5 x 0.1 μF ceramic (Farnell Order Code 2529480) or similar
1 x 100 Ω preset (BOURNS 3296P-1-101LF TRIMMER, 25 TURN 100R (Farnell Order Code 9353020)
1 x 100 K Ω preset (BOURNS 3296P-1-104LF TRIMMER, POT, 100K, 10%, 25TURN, (Farnell Order Code 9353054)

1 x 4 ½ Digit High Precision +/- 2V 0-1.9999V Red LED Digital Panel Meter.

From seller **yourcartmax** on eBay. Direct link below:

http://www.ebay.co.uk/itm/261284812938?_trksid=p2057872.m2749.l2649&ssPageName=STRK%3AMEBIDX%3AIT

or alternative from eBay seller **coldfusionx**, direct link: <http://www.ebay.com/itm/350261421976>

1 x Black textured ABS enclosure with sloping panel. 150mm length, 95mm width, height slopes from 33.2 to 49.5mm. From www.rapidonline.com (Order Code: 30-3606). Direct link below:

<https://www.rapidonline.com/rapid-g1168b-150x95x50-black-case-30-3606>

1 x PP3 9V Battery Holder Clip Connector. From seller **utronix_ltd** on eBay.

<http://www.ebay.co.uk/itm/PP3-9V-BATTERY-HOLDER-CLIP-CONNECTOR-IDEAL-FOR-GUITAR-EFFECTS-PEDAL-/262341198335?hash=item3d14c101ff:g:DVkAAOSw-itXsZc->

High quality Alligator Kelvin Test gold plated clip 2 Colors Red + Black. From seller **louisliu2009** on eBay. Direct link below:

<http://www.ebay.co.uk/itm/4pcs-High-quality-Alligator-Kelvin-Test-gold-plated-clip-2-Colors-Red-Black-/180779978390?hash=item2a17538e96:g:SlgAAMXQ-3NRnBmn>

2 x 4mm Insulated Test Socket Red (Rapid order code 17-2677) or similar

2 x 4mm Insulated Test Socket Black (Rapid order code 17-2674) or similar

1 x 4mm Insulated Test Socket Yellow (Rapid order code 17-2679) or similar

1 x 4mm Insulated Test Socket Green (Rapid order code 17-2676) or similar

The 4mm sockets available from Rapid, direct link below: or similar

<https://www.rapidonline.com/4mm-insulated-test-socket-83057>

1 x On/Off switch either toggle or push button

1 x 2.1mm pin diameter DC power socket (Rapid order code 50-3276) or similar

<https://www.rapidonline.com/cliff-electronic-fc681445-dc-socket-5-5-x-2-1mm-model-scd-026-50-3276>