

G-QRP Club components

Cost

This is a service for G-QRP Club members only

6 pole crystal filter SSB 9MHz 2.2kHz 500 Ohm in/out	£12
Polyvaricon capacitors – 2 gang - 8 to 140pF & 6 to 60pF (tags marked A & O respectively)	£1.75 each
2 gang - 8 to 285pF per section	£1.75 each
c/w shaft ext'n & mounting screws. Long & short fixing screws are supplied for different panels	
All the above, plus postage - any quantity – £3.50p (UK), £3.50 (Eu), £4.50 (DX)	
(these postage prices are correct! Royal Mail charge by thickness on UK mail)	

Crystals HC49/U wire ended

QRP CW calling frequencies

1.836, 3.560*, 7.015, 7.028, 7.030*, 7.040, 7.0475, 7.122, 10.106, 10.116*MHz	£2.00 each
14.060*, 18.086, 21.060, 24.906, 28.060MHz (* = also available in low profile)	£2.00 each
N.B. the 24.906MHz crystals only are 3 rd overtone, I also stock 28.060MHz as 3 rd overtone.	

Other frequencies (some of these are low profile HC49)

1.8432, 3.500, 5.262, 7.00, 10.006, 10.111, 11.50, 14.00, 22.00, 29.00MHz	£0.50 each
(5.262MHz is the QRP calling frequency on 60m)	
2.00, 3.00, 3.200, 3.5795, 3.5820, 3.6864, 4.00, 4.096, 4.1943, 4.433MHz)	
4.50, 5.00, 6.00, 7.20, 7.60, 8.00, 9.00, 10.00, 11.00, 12.00, 13.50, 15.00, 16.00MHz)	£0.35 each
18.00, 20.00, 24.00, 25.00, 26.00, 28.00, 28.224, 30.00, 32.00, 33.0MHz)	
Pair of carrier crystals 9MHz ± 1.5kHz HC49U wires	£4 pair
Pack of 10 off 10.006MHz crystals (see Sprat 147)	£5 per pack

Ceramic resonators

455kHz, 480kHz, 2.00MHz, 3.58MHz, 3.69MHz, 4.00MHz, 7.37MHz, 14.32MHz, 20.0MHz	£0.50 each
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ICs

SA602N (I may supply SA, NE, 602 or 612. All are electrically identical)	£1.50
MC1350 (Stocks are now getting low – max of 2 per order please)	£2.00
LM386N-1 300mW 8pin DIL 4 to 15V	£0.45
LM386M-1 300mW 8pin SMD 4 to 15V	£0.35
TDA7052A 1W 8pin DIL 4.5 to 18V low noise DC volume control	£0.60
TA7642 TRF radio chip (I may supply the alternative MK484 which is the equivalent)	£0.75
CA741 op-amps 8pin DIL	5 for £1.00
TDA2003 audio amp – around 10Watts @ 12 volts (circuit in Sprat 161)	£0.25
TDA2822M audio amp 1.8 to 5V. Stereo can be bridged – data sheet on gqrp.com/tda2822.pdf	£0.20
(we couldn't tame it in bridge mode with much over 5 volts – so be warned!)	

Transistors, FETs

IRF510	50p
2SC536 npn – fT – 100MHz, hFE – 320, VCEO +40V	5 for 50p
2N3904 npn – general purpose fT – 300MHz, hFE – 150, VCEO +40V	10 for 50p
2N3906 pnp – general purpose fT – 250MHz, hFE – 150, VCEO -40V	10 for 50p
MPSH10 npn - TO-92 – fT = 650MHz, hFE – 60, VCEO +25V	10 for 80p
2N3819 N channel JFET TO92	24p each
2N7000 N channel MOSFETs TO92	10p each
BC517 npn Darlington pair	10 for £1.10
BS170 N channel MOSFET TO92	10 for 80p
BF981 N channel dual gate MOSFET	40p each

Diodes

1N4148 - General purpose silicon diodes	10 for 10p
1N5711 – Schottky signal diode low forward volts up to VHF/UHF	20p each
MVAM109 – Varicap diode 40pF @ 9V, 500pF @ 1V (max of 2 per order)	50p each

All the above components & coils, plus postage - any quantity – £1.20p (UK), £3.50 (Eu), £4.50 (DX). If you are ordering filters, polyvaricons, then that postage will also cover components and/or toroids.

Last updated – 11 October 2017

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Back issues of Sprat (please check availability first) 50p each plus postage. One – 70p(UK), £2.20(Eu), £3.30(DX): more – add 60p(UK), £1.20(Eu), £1.50(DX) per copy for up to 5 copies. Any more? ask for a quote.

Coils, toroids and magnet wire

0.6uH – Spectrum 0u6H (No direct TOKO equivalent)	80p each
1.2uH – Spectrum 1u2H (TOKO 3335 equivalent)	80p each
1.7uH – Spectrum 1u7H (TOKO 4612 equivalent)	80p each
2.6uH – Spectrum 2u6L (TOKO 1509 equivalent)	80p each
5.3uH – Spectrum 5u3L (No direct TOKO equivalent)	80p each
11.0uH – Spectrum 11u0L (No direct TOKO equivalent)	80p each
45.0uH – Spectrum 45u0L (TOKO 3333 equivalent)	80p each
90.0uH – Spectrum 90u0L (No direct TOKO equivalent)	80p each
125.0uH – Spectrum 125u0L (No direct TOKO equivalent)	80p each

The full club data sheet for these coils is available as a PDF on the Technical Page

G-QRP Club toroids

Toroid cores – priced per pack of 5 (except the large ones) – max of 2 packs of each per member

Iron Dust

T25-2 - £0.50; T25-6 - £0.60; T30-2 - £0.70; T30-6 - £0.80
T37-2 - £0.80; T37-6 - £0.80; T37-7 - £1.00
T50-1 - £1.00; T50-2 - £0.90; T50-6 - £1.10; T50-7 - £1.20; T50-10 - £1.20
T68-2 - £1.80; T68-6 - £2.40;
T130-6 - £2.40 each (T130 are heavy – Each counts as 2 packs for postage – see below)

Ferrite

FT37-43 - £0.90; FT37-61 - £1.20
FT50-43 - £1.20; FT50-61 - £2.40
BN43-2402 - £1.20; BN43-202 - £2.00; BN43-302 - £2.00
BN61-202 - £2.40
FT43-101 Ferrite beads (3.5mm dia x 3.2mm long, 1.2mm dia hole) £0.40

If you order 2 packs of 5, you will usually get all 10 in 1 pack.

All toroids are plus postage – up to 10 packs are £1.20p (UK), £3.50 (Eu), £4.50 (DX)

Each additional 10 packs, add 50% of the same postage etc. If you want more than a total of 2 of the large (130) toroids, please ask for a quote for postage. If you are ordering components as well, then this toroids postage will also cover components (except filters or polyvaricons)

Magnet wire – This is solderable enamel insulated. Max of 1 pack from each price group per member. **Price per pack**

18 SWG - pack of 2 metres, 20 or 22 SWG - pack of 3 metres	60p
24, 25 or 27 SWG - pack of 4 metres	40p
30, 33, or 35 SWG - pack of 5 metres	30p

Bifilar wire – solderable enamel insulated, a red and a green wire bonded together. (see next page)

21 SWG (0.8mm diameter) – pack of 2 metres	£1.00
26 SWG (0.45mm diameter) – pack of 3 metres	70p

Please solder all these magnet wires in a well ventilated place – do not inhale the fumes!

Litz wire – silk covered multi strand wire with solderable enamel (see next page)

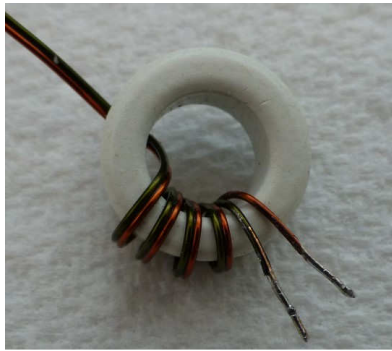
7/.04mm – silk covered, 7 strands of .04mm enamelled wire – approx 36SWG – pack of 3 metres	12p
15/0.04mm – silk covered, 15 strands of .04mm enamelled wire – approx 34SWG – pack of 3 metres	25p

Last updated – 6 October 2016

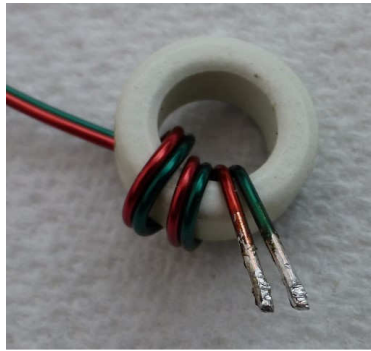
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Bifilar wire:

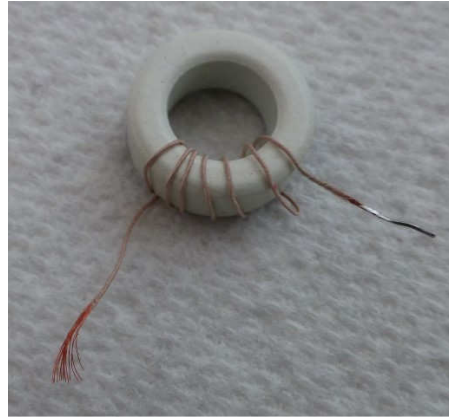
26 SWG



21SWG



Litz wire: (this is the 15 strand wire, the 7 strand looks very similar)



Axial lead inductors (they look like fat ¼W resistors, and use the same colour code in uH!) These are low current – a few hundred mA for the lowest values, reducing to no more than 130mA for the highest.

3.3, 4.7, 6.8uH, 10, 15, 18, 22uH, 33, 39uH, 47, 56uH, 100uH, 150uH, 220uH and 1000uH

18p each

The full club data sheet for these inductors is available as a PDF on the Technical Page of the club website.

Postage for wire and inductors – free if part of an order for other parts, otherwise, postage as for components

Last updated: 18 May 2016

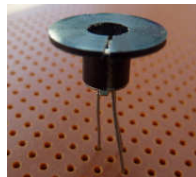
Heatsinks – 3 types available:



TO92 – 30p each



TO39/TO5 – 40p each



TO18/TO72 – 60p each

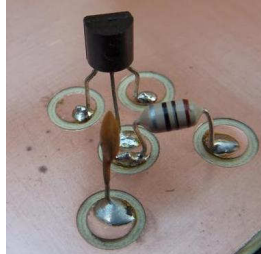
Pad cutters - £6.00 each

These are diamond-coated island pad cutters – slightly larger than the ones we had a number of years ago. 7mm o/s diameter and 5mm i/s diameter.

You must have a drill stand – a handheld drill will create lots of pretty (but useless) patterns!!

They have a 2mm diameter shaft. (all figures are approx.). They create a 5mm diameter pad with 1mm gap around it.

Here is a picture of one and a sample PCB creation:



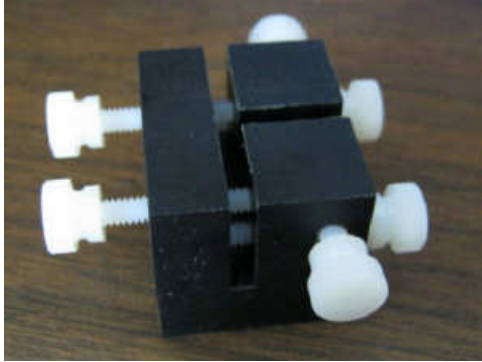
Postage for the above items is the same as for components – or they can be added to a components order with no extra postage.

QRPMe

By arrangement with Rex at QRPMe, I can now supply some of his offerings to the UK and Europe only. DX orders please order direct from Rex

SBSS clamps.

These are very hard plastic and are these are used to hold two PCBs at right angles for soldering. One is £12.00, Two are £20.00. Plus £3.50 postage (UK & EU) (for 1 or 2). DX – please order direct from Rex. They come complete with the 6 nylon screws to clamp the PCBs in the correct places. When making PCB chassis or cases, the only thing better than one of these – is two!



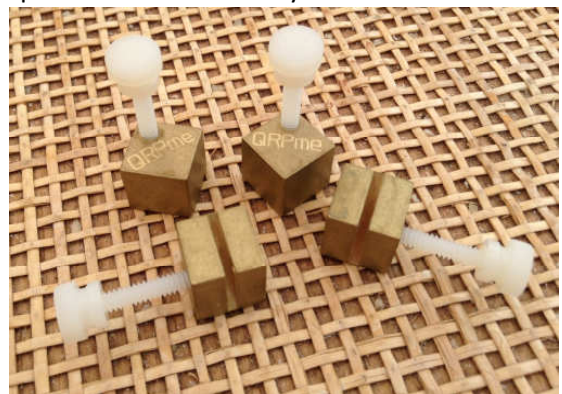
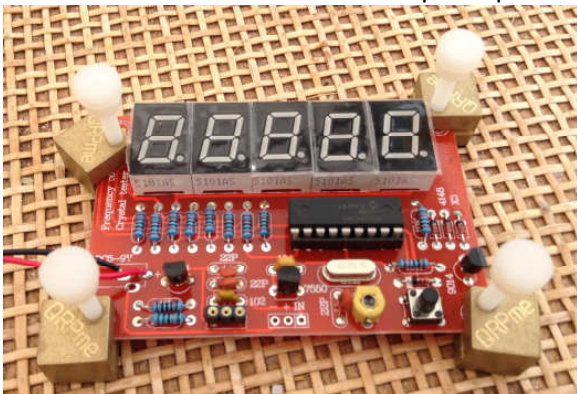
Here are a couple of pictures of one in use when assembling the prototype of the new ATU kit:



Rex's data sheet can be downloaded from <http://gqrp.com/sbss.pdf>

Brass Set

The latest from Rex – here are a couple of pictures – a brass set comprises 4 blocks and 4 nylon screws:



Price is £10 per set, plus postage (UK - £1.50, Eu £2.50 DX please order direct from Rex)

Updated 31 October 2016

MePads & MeSquares

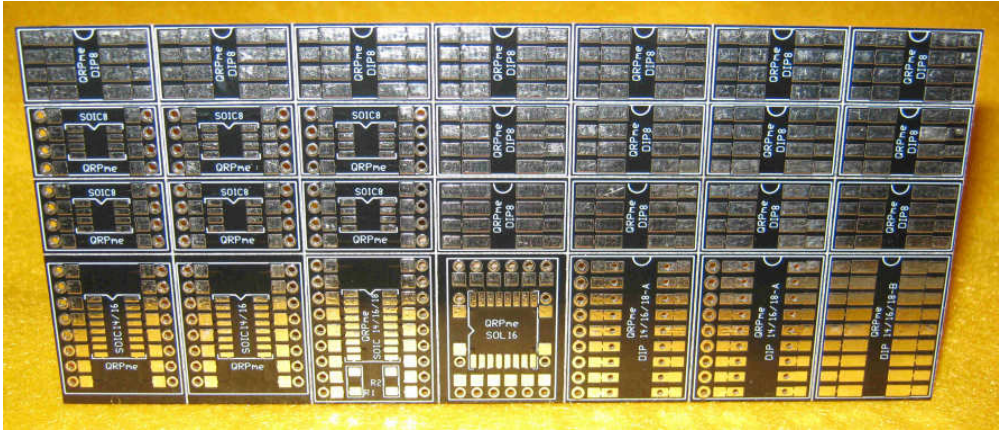
If you build “ugly”, or Manhattan style, then MePads, and MeSquares are for you.

They cost £6.50 each plus postage. (UK - £1.20, Eu - £3.00) DX – please order direct from Rex

This postage is ok for up to 4 boards

More info on Rex’s website - <http://qrpme.com/?p=product&id=MEP>

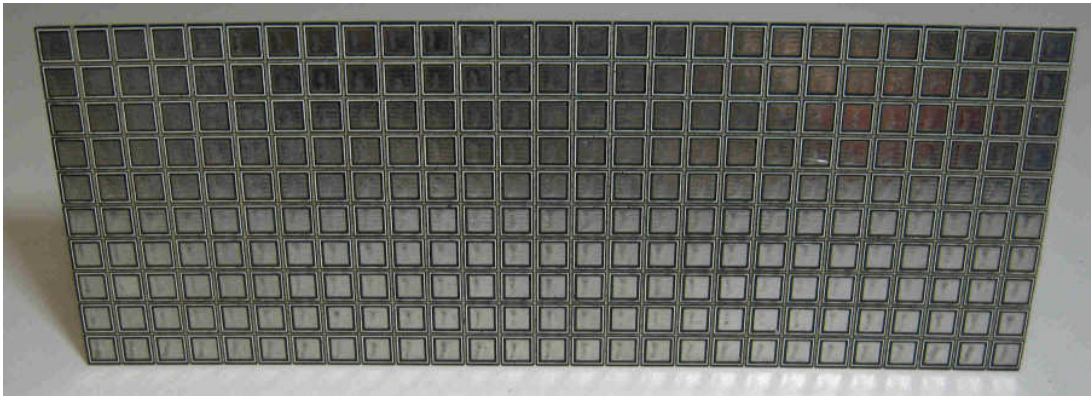
MePads



The actual size of the MePad board is $5\frac{1}{4}'' \times 2\frac{1}{4}''$. Each board has the following:

15 x DIP8; 3 x DIP14/16/18; 4 x SOIC8, 2 x SOIC14/16; 1 x SOIC 14/16/18; 1 x SOLL16 – all to solder pads. These are routed on both sides so that you can easily split them apart and then glue to your board.

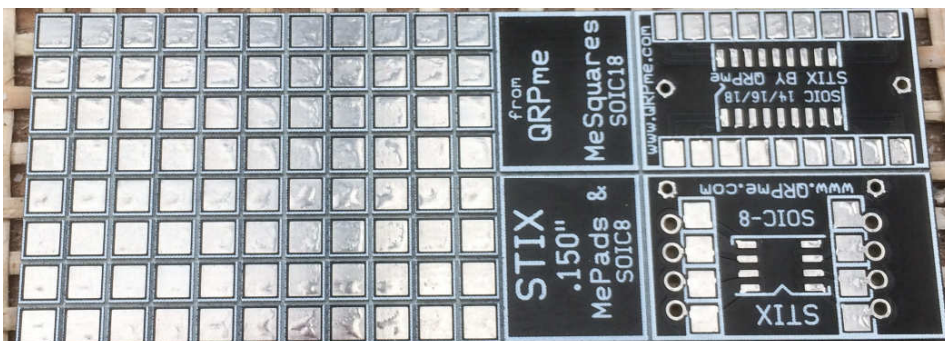
MeSquares



The actual size is $7\frac{1}{2}'' \times 2\frac{1}{2}''$. The 300 squares are $\frac{1}{4}''$ apart, and the board is routed on both sides so that the squares can be used in groups, or individually. Each square is surrounded by solder mask.

STIX panels

A smaller version of the MeSquares, plus a couple of SOIC pads. These are approx. $3.2'' \times 1.2''$ (8 x 3 cm). There are 88 x 0.15" squares, and like the panels above, each is surrounded by black solder mask. They are all routed on one side and so any number can be snapped off. The cost is £3.50 each, and postage is as for components. If anything else is ordered, then postage is free.



Updated 31 October 2016