

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 (Stock is very low, max of 1 per member)	£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)	

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*, 14.060*, 18.086, 21.060, 24.906, 28.060MHz (* = also available in low profile)	£2.00 each
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N.B. the 24.906MHz crystals only are 3rd overtone, I also stock 28.060MHz as 3rd overtone.

Other frequencies (some of these are low profile HC49)

1.8432, 3.500, 5.262, 5.355, 7.00, 10.006, 10.111, 11.50, 14.00, 22.00, 29.00MHz	£0.50 each
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(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, 4.433, 4.50, 5.00, 6.00, 7.20, 7.60, 8.00, 9.00, 10.00, 11.00, 12.00, 13.50, 15.00, 16.00, 18.00, 20.00, 24.00, 25.00, 26.00, 28.00, 28.224, 30.00, 32.00, 33.0MHz Some of these are low profile HC49	£0.35 each
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Pair of carrier crystals 9MHz ± 1.5kHz HC49U wires	£4 pair
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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 (or SA612N) (Stocks are now getting low – max of 2 per order please)	£2.00
MC1350 (Stocks are now getting low – max of 2 per order please)	£2.00
LM386N-1 300mW 8pin DIL 4 to 15V	£0.45
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 (we couldn't tame it in bridge mode with much over 5 volts – so be warned! – see Sprat 173)	£0.20

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
BC109B metal TO18 npn	10 for 50p
BC178 metal TO18 pnp	10 for 50p
BC213 plastic TO92 pnp	10 for 50p
BC548 plastic TO92 npn	10 for 50p
BC549 plastic TO92 npn	10 for 50p
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
2N3866 (house marked equivalents)	FREE to members

Ask for how many you need – no real limits!

More transistors below

All the above components & crystals, 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.

Updated 7 July 2020

2N4091 N channel InterFET TO18	10 for 50p
2N2222 npn TO92	10 for 50p
BFY52 npn	5 for 25p
BC108C npn TO18	10 for 50p
CV7644 npn power TO92	5 for 25p

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
BB204 – twin diodes, common cathode, 15pF @ 20v, 50pF @ 1v	50p each
1N4004 power diode 400v 1A	5 for 25p

Coils (sorry, no more 0u6H)

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 - £2.50;
T130-6 - £2.60 each (T130 are heavy –each counts as a pack 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 - £2.40
BN61-202 - £3.40
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 the above components are plus postage. If you are ordering toroids as well, then the normal components rate £1.20p (UK), £3.50 (Eu), £4.50 (DX) includes up to 10 packs of toroids as well. Each additional 10 packs of toroids, 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 the toroids postage will also cover small components (except filters or polyvaricons)

Last updated – 27 July 2020

This is a service for G-QRP Club members only!

Magnet wire - all our magnet wire is solderable enamel.

Don't breath in the fumes as you are soldering!

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

Price per pack

- 60p
- 40p
- 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
- 26 SWG (0.45mm diameter) – pack of 3 metres
- 30 SWG (0.315mm diameter) – pack of 4 metres

- £1.00
- 70p
- 50p

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.

Each strand of wire is solderable enamel coated

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

- 12p
- 25p

Bifilar wire:

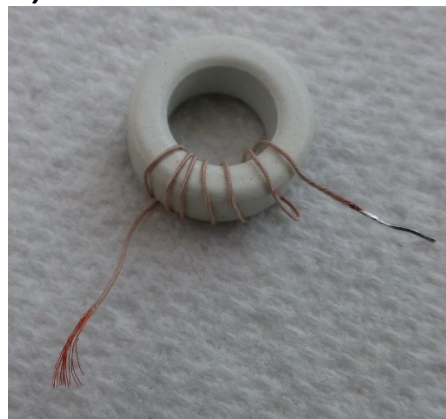
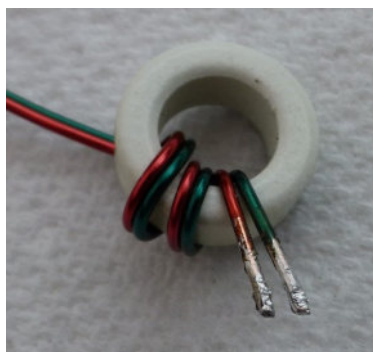
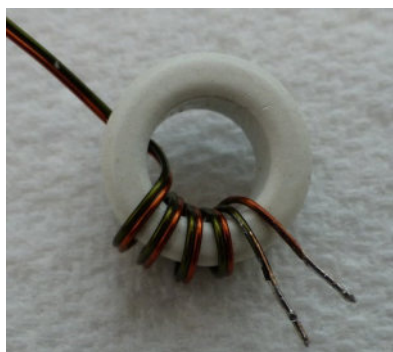
26 SWG

21SWG

(The pictured core is a T50 size)

(No room for a picture of 30SWG – but you can imagine the size)

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



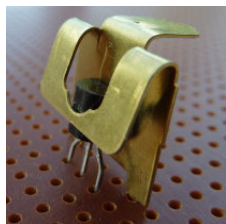
Axial lead inductors (they look like fat ¼W resistors, and use the same colour code in uH!) These are low current – a few hundred mA for the lowest values, reducing to no more than 100mA for the highest.

- 3.3, 4.7, 6.8uH, 10, 15, 18, 22uH, 33, 39uH, 47, 56uH, 100uH, 150uH, 220uH, 470uH and 1000uH

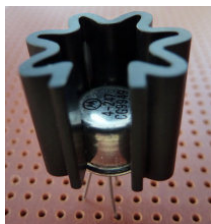
20p each

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

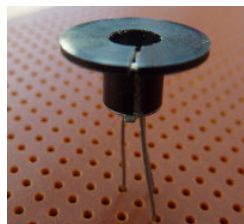
Heatsinks – 3 types available:



TO92 – 30p each



TO39/TO5 – 40p each



TO18/TO72 – 80p each

Back issues of Sprat (please check availability first) 60p 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.

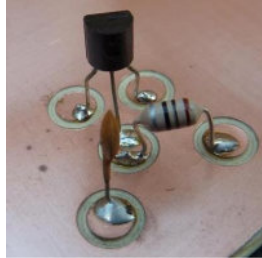
Pad cutters - £6.00 each

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:



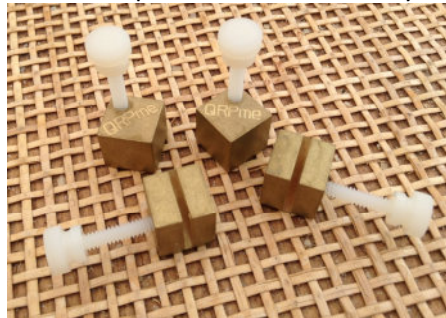
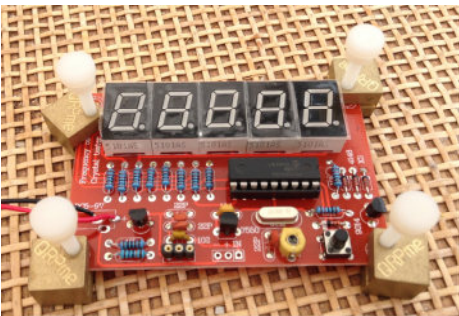
Postage for the above items is the same as for components – or they can be added to a components order with no extra postage.

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

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)

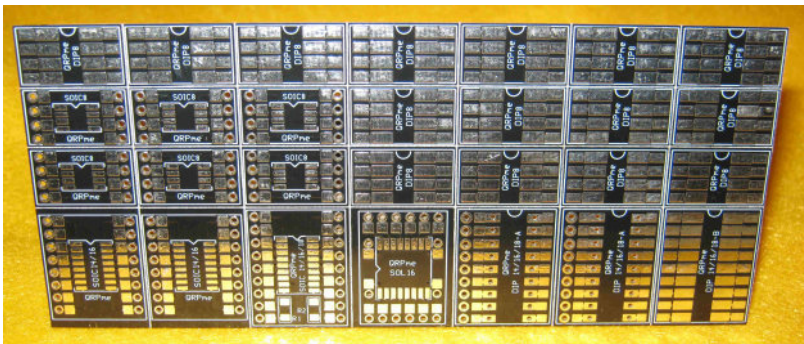
MePads, MeSquares & other PCB type boards

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

They are individually priced below, but they are all plus postage. (UK - £1.20, Eu - £3.00) DX – please order direct from Rex. If anything else is ordered, then postage for these panels is free.

This postage is ok for up to 4 boards. More info on Rex’s website - <http://qrpme.com>

MePads



The actual size of the MePad board is 5¼” x 2¼”. The MePad board is £6.50 and 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 SOL16 – all to solder pads. These are routed on both sides so that you can easily split them apart and then glue to your board.

Updated 10 July 2020

MeSquares (New)



Rex has changed the size of these boards and they are now $3\frac{3}{4} \times 3\frac{3}{4}$ (9.5 x 9.5mm) There are 225 squares in a 15 x 15 formation. The squares are $\frac{1}{4}$ " apart (6mm), and that includes a black solder mask. The board is routed on both sides so that the squares can be used in groups, or individually. The cost of these boards is £6.00 each, and postage is as for components.

MiniPads



A smaller square version of the above MeSquares. These are approx. $3.8" \times 3.8"$ (9.5 x 9.7 cm). There are 24 x 25 (600) x 0.15" (3mm) squares, and again, like the panels above, each is surrounded by black solder mask. They are all routed on both sides and so any number can be snapped off. Again, the cost is £6.00 each, and postage is as for components.

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 for these panels is free. As Rex is dropping this item, then stocks of these are now very low – please check for availability before ordering.

