

WIP

Aussie order

| Nick | Base kits | Extra ports (Max 4 per base kit) | Midi Cables |
|--------------|-----------|----------------------------------|------------------------|
| Durisian | 5 | 16 | |
| Levon | 5 | 20 | 4 |
| drboom | 2 | 8 | |
| H2O | 2 | 4 | |
| Wilba | 2 | 8 | |
| /tilted/ | 10 | 40 | |
| diablojoy | 5 | 12 | |
| theprotool | 7 | 28 | |
| matoz | 10 | 40 | 8 |
| j00lz | 2 | 8 | |
| TOTAL | 50 | 180 | 12 |
| stryd_one | 10 | 40 | Waiting for next batch |

Prices for the GM5 USB-Midi interface

Base Kit

www.jaycar.com.au

Prices correct from 07/07/08

| Description | Qty | Part # | Price | Bulk 10+ | Bulk 25+ | Bulk 50+ | Bulk 100+ |
|--------------------------------------|-----|--------|-------|----------|----------|----------|-----------|
| Crystal 16 MHz | 1 | NA | | | | | |
| Optocoupler 6N138 | 1 | 6N 138 | 4.25 | 3.75 | 2.90 | | |
| Optocoupler 6N138 10PACK | 1 | ZD1943 | 19.95 | 17.70 | 13.70 | | |
| Serial EEPROM 24C04 (Optional!) | 1 | | | | | | |
| IC-Socket for Optocoupler and EEPROM | 1 | PI6452 | 1.00 | 0.90 | 0.80 | | |
| Resistor 4.7 kOhm pk of 8 | 1 | RR0588 | 0.38 | 0.34 | | 0.31 | |
| Resistor 1 kOhm pk of 8 | 3 | ???? * | 0.38 | 0.34 | | 0.31 | |
| Resistor 220 Ohm pk of 8 | 4 | RR0556 | 0.38 | 0.34 | | 0.31 | |
| Ceramic Cap 100 nF pk of 2 | 2 | RC5360 | 0.28 | | 0.19 | | 0.16 |
| Ceramic Cap 1000 nF (1 uF) | 1 | ???? * | 0.28 | | 0.19 | | 0.16 |
| Ceramic Cap 22 pF pk of 2 | 2 | RC5316 | 0.28 | | 0.19 | | 0.16 |
| Polarised Capacitor 10 uF | 1 | RE6066 | 0.20 | | 0.14 | | 0.12 |
| Diode 1N4148 pk of 5 | 1 | ZR1100 | 0.32 | 0.28 | 0.26 | | |
| Green Rx/Tx LED | 1 | ZD0120 | 0.20 | 0.18 | 0.14 | | |
| USB Socket B-Type for PCB mounting | 1 | PS0920 | 2.20 | 1.95 | 1.75 | | |

| Description | Qty | Part # | Price | Bulk 10+ | Bulk 25+ | Bulk 50+ | Bulk 100+ |
|------------------------------------|-----|--------|-------|--------------|----------|----------|-----------|
| MIDI sockets for PCB mounting | 2 | PS0350 | 1.70 | 1.50 | | 1.35 | |
| 2-row SIL Headers (2*5 and 2 pins) | 1 | HM3250 | 1.44 | 1.15 | | | |
| | | | | 18.89 | | | |

* i couldn't find some parts on the jaycar website, some of the prices are approximated

^ need to buy 25+ to get discount

t Midi Sockets \$1.35 when ordering 50+

<http://www.rockby.com.au>

| Description | Qty | Stock # | Price | bulk 10+ | Bulk 100+ |
|---|-----|---------|-------|--------------|-----------|
| Crystal 16 MHz | 1 | 13681 | 2.118 | 1.906 | |
| Optocoupler 6N138 | 1 | 26172 | 2.110 | 1.900 | |
| Serial EEPROM 24C04 (Optional!) | 1 | | | | |
| IC-Socket for Optocoupler and EEPROM | 1 | 13746 | 0.770 | 0.501 | 0.300 |
| Resistor 4.7 kOhm | 1 | 15312 | | 0.044 | 0.013 |
| Resistor 1 kOhm | 3 | 28694 | | 0.088 | * 0.033 |
| Resistor 220 Ohm | 4 | 15336 | | 0.044 | 0.013 |
| Ceramic Cap 100 nF | 2 | 13091 | | 0.090 | 0.065 |
| Ceramic Cap 1000 nF (1 uF) | 1 | 19800 | 0.545 | 0.490 | 0.429 |
| Ceramic Cap 22 pF | 2 | 13049 | | 0.090 | 0.065 |
| Polarised Capacitor 10 uF | 1 | 24449 | 0.194 | 0.174 | |
| Diode 1N4148 | 1 | 13992 | 0.050 | 0.030 | 0.025 |
| Green Rx/Tx LED | 1 | 15096 | 0.182 | 0.163 | 0.099 |
| USB Socket B-Type for PCB mounting | 1 | 29893 | 0.847 | 0.561 | |
| MIDI sockets *not suitable for Surface mounting | 2 | 14206 | 2.299 | 2.069 | |
| 2-row SIL Headers (2*5 and 2 pins) | 1 | | | | |
| MIDI CABLE 1.8m | | 14447 | 2.695 | 2.035 | |
| | | | | 12.08 | |

* 1K 1/4W were out of stock, these are 1K 1/2W

Extra Port

| Description | Qty | Price |
|-------------------------------|-----|----------------|
| MIDI sockets for PCB mounting | 2 | |
| Optocoupler 6N138 | 1 | |
| Resistor 4.7 kOhm | 1 | |
| Resistor 1 kOhm | 1 | |
| Resistor 220 Ohm | 3 | |
| | | \$7 ish |

There is an option to do a Split Buy from Jaycar and Rockby. the optocoupler is cheaper at Jaycar, and

also Rockby's midi ports are not suitable for Surface mounting, and are cheaper at Jaycar. (levon)

Is there a reason the rockby midi ports are not suitable? they look pretty standard to me... (durisian)

I sware someone changed the image on the rockby site, when i checked a while ago it wasn't a surface mounting port, what im confused is the plug says its 180deg.. not 90deg like the image (levon) still , the optocouplers at jaycar are alot cheaper.. \$13 for a 10 pack at jaycar... \$19 for 10 at rockby. we would save around 50c per midi port. seeing as we are buying 219 optocouplers and 438 midi ports... thats about \$250 difference.

We are now looking at 100+ for almost all items

I have been doing some calculations in spreadsheets, looks like we will get the following prices:

| | base kit | extra port |
|----------------|-----------------|-------------------|
| Jaycar | 10.01 * | 5.07 |
| Rockby | 10.87 | 6.5 |
| Split purchase | 9.84 | 4.48 |

*excluding crystal

From:

<http://wiki.midibox.org/> - **MIDIbox**

Permanent link:

http://wiki.midibox.org/doku.php?id=tk_gm5_jaycar_partlist&rev=1226199909

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