

1590G Parts Guide

HARDWARE

All the projects need to be built with the following types of hardware

- 1590G enclosure
- “Low-Profile” 3PDT foot-switch
- Lumberg Mono Jack
- “Thinline” DC Power Jack
- 9mm Pots
- ½” knobs
- 24AWG wire (recommended)

1590G Enclosure

<http://www.mouser.com/ProductDetail/Hammond-Manufacturing/1590G/?qs=sGAEpiMZZMrGrAVj6eTvZhXO34baoKyqN9ileGj6a0%3d>

(Black Powder coated) <http://www.mouser.com/ProductDetail/Hammond-Manufacturing/1590GBK/?qs=sGAEpiMZZMrGrAVj6eTvc4t%252bXIGtxAky4qS7dcRmqc%3d>

(Black Powder coated) <http://www.bitchesloveswitches.com/#!/1590G-Black/p/55801390/category=5027533>

(White Powder coated) <http://www.bitchesloveswitches.com/#!/1590G-White/p/55801391/category=5027533>

http://www.pedalpartsplus.com/mm5/merchant.mvc?Screen=PROD&Store_Code=PPP&Product_Code=1129&Category_Code=ENC15

<http://www.amazon.com/Hammond-1590G-Diecast-Aluminum-Enclosure/dp/B007PBXSWO>

<http://www.mammothelectronics.com/1590G-p/510-1000.htm>

<http://www.modmaker.co.uk/Hammond-1590G-Enclosure>

3PDT

<http://www.bitchesloveswitches.com/#!/Low-Profile-3PDT-Footswitch-Latched-Solder-Lugs/p/33283018/category=5027572>

<http://smallbear-electronics.mybigcommerce.com/low-profile-3pdt-switch/>

Jacks

<http://www.bitchesloveswitches.com/#!/Lumberg-Style-1-4-Mono-Jack/p/56606713/category=5027593>

<http://smallbear-electronics.mybigcommerce.com/lumberg-1-4-compact-shrouded-mono-jack/>

DC Jack

<http://www.bitchesloveswitches.com/#!/Thinline-2-1mm-DC-Power-Jack/p/18921807/category=5027592>

<http://www.mammothelectronics.com/DC-Power-Jack-p/600-1004.htm>

<http://smallbear-electronics.mybigcommerce.com/dc-power-jack-all-plastic-unswitched/>

Pots

<http://smallbear-electronics.mybigcommerce.com/alpha-single-gang-9mm-right-angle-pc-mount/>

<http://smallbear-electronics.mybigcommerce.com/alpha-single-gang-9mm-right-angle-pc-mount-w-knurled-plastic-shaft/>

<http://www.mammothelectronics.com/Alpha-Potentiometer-p/209-100-a.htm>

<http://www.mammothelectronics.com/Alpha-Potentiometer-p/209-100-b.htm>

Knobs

<http://smallbear-electronics.mybigcommerce.com/fluted-miniature-colored-pointer/>

<http://smallbear-electronics.mybigcommerce.com/aluminum-vertical-knurled-black-index/>

<http://smallbear-electronics.mybigcommerce.com/aluminum-black-knurled/>

<http://www.bitchesloveswitches.com/#!/Davies-1900H-Clone-1-4-Knobs-W-Set-Screw-1-4-Shaft/c/5223348/offset=0&sort=normal>

<http://www.mammothelectronics.com/4SK1000HBK-p/700-1600-ph-abs.htm>

<http://www.mammothelectronics.com/4SKA-13X16KBK-p/700-1901.htm>

<http://www.mammothelectronics.com/4SKA-13X16KUN-p/700-1900.htm>

http://www.pedalpartsplus.com/mm5/merchant.mvc?Screen=PROD&Store_Code=PPP&Product_Code=10021&Category_Code=KNB

http://www.pedalpartsplus.com/mm5/merchant.mvc?Screen=PROD&Store_Code=PPP&Product_Code=10026&Category_Code=KNB

Sockets

Normal IC sockets are too tall for the 1590G projects, so I recommend soldering IC's directly to the boards. If you must use sockets these "low-profile" ones should work

8-pin: <http://www.mouser.com/ProductDetail/Mill-Max/115-43-308-41-003000/?qs=sGAEpiMZZMs%2fSh%2fkjph1vt1%2fmEPT%2fXoHngJTF1udAc%3d>

16-pin: <http://www.mouser.com/ProductDetail/Mill-Max/115-43-316-41-003000/?qs=sGAEpiMZZMs%2fSh%2fkjph1vt1%2fmEPT%2fXov7eFvRA5JPw%3d>

For some reason, the 16 pin socket is 3 times the cost of the 8 pin. You could just use two 8 pin sockets instead (for the PT2399 IC).

Components

All the projects need to be built with the following types of components

- 1/4W and 1/8W resistors
- Box or Chichlet film and ceramic caps
- “Low Profile” Electrolytics

Resistors

About half the projects use 1/4W resistors, so use whatever you want there. The other half requires 1/8W. You can use 1/4W in place of a 1/8W if you have no other choice. Just be sure you have room on the board and they don't stand up too high (or they might contact the enclosure lid).

Xicon 1/8W Carbon Film: http://www.mouser.com/Xicon/Passive-Components/Resistors/Film-Resistors/Carbon-Film-Resistors-Through-Hole/_/N-7gz3y?P=1yzaok0Z1z0z819Z1z0zls8

Xicon 1/8W Metal Film: http://www.mouser.com/Xicon/Passive-Components/Resistors/Film-Resistors/Metal-Film-Resistors-Through-Hole/_/N-7gz41?P=1yzaok0Z1z0z819Z1z0zls8

Film Caps

Just about any of the usual box or “chichlet” style film caps should work. The largest value film cap in any project is 220n. You can also use MLCC in place of film and/or ceramic.

<http://smallbear-electronics.mybigcommerce.com/tmc07-box-1/>

<http://smallbear-electronics.mybigcommerce.com/panasonic-ecq-v-50v-01-mf-082-mf-individual/>

http://www.pedalpartsplus.com/mm5/merchant.mvc?Screen=CTGY&Store_Code=PPP&Category_Code=CAPE

<http://www.mammothelectronics.com/Polyfilm-Capacitor-p/300b-mmk5.htm>

MLCC: http://www.mouser.com/Passive-Components/Capacitors/Ceramic-Capacitors/MLCCs-Multilayer-Ceramic-Capacitors/Multilayer-Ceramic-Capacitors-MLCC-Leaded/_/N-bkrdj?P=1z0z7I5Z1yx4awyZ1yx4avvZ1yx4atuZ1yxbokaZ1z0vn48Z1z0ynas

Electrolytic Caps

Like the 1590A projects, the 1590G PCBs require “low profile” Electrolytic caps.

1uF: <http://www.mouser.com/ProductDetail/Lelon/SS010M1HBK-0305P/?qs=sGAEpiMZZMtZ1n0r9vR22Ygcl%2fJYgoutJN0ygmfEk40%3d>

<http://www.mouser.com/ProductDetail/Nichicon/UMT1H010MCD2/?qs=sGAEpiMZZMtZ1n0r9vR22X8XFWgFP6BCv3PBsTyCHb8%3d>

4u7: <http://www.mouser.com/ProductDetail/Lelon/SS4R7M1VBK-0405P/?qs=sGAEpiMZZMtZ1n0r9vR22fOIMi63Cj6pihgC7DehRaE%3d>

10uF: <http://www.mouser.com/ProductDetail/Lelon/SS100M1EBK-0505P/?qs=sGAEpiMZZMtZ1n0r9vR22fOIMi63Cj6pMjznIzIEUe4%3d>

47uF: <http://www.mouser.com/ProductDetail/Lelon/SS470M1EBK-0605P/?qs=%2fha2pyFaduuyAAvSIfMpbODw%252bnxU4%2fmF%2f7sbui8QXWHZY94xWJbRVg%3d%3d>

100uF: <http://www.mouser.com/ProductDetail/Lelon/SS101M1EBK-0805P/?qs=%2fha2pyFaduuyJo8%2f3chiv926dPTDALqXWyOJVuCS9JgmCqs6CZKgyw%3d%3d>