

Experimenting with Electronics — Sounds on board (April 1995): Due to an unfortunate glitch in our production system, all of the parts lists were omitted, along with the information on kit availability. We apologise for this error, and the missing information is shown below.

PARTS LIST

Train sounds (SG1)

Resistors

All 1/4W, 5%

R1 150k
R2 330 ohm

Capacitors

C1 0.1uF mono

Semiconductors

Q1 BC547 NPN transistor
COB train sound generator SG1

Miscellaneous

four x N/O pushbuttons; 8 ohm speaker; strip board or equivalent to accept COB PCB and components.

16-tunes (SG3)

Resistors

All 1/4W, 5%

R1 390k

Capacitors

C1,2 10uF 16V electrolytic
C3 0.1uF mono

Semiconductors

Q1 BC547 NPN transistor
COB 16-tune sound generator SG3
LED1 5mm LED

Miscellaneous

one N/O pushbutton; 8 ohm speaker; strip board or equivalent to accept COB PCB and components.

Ding-dong sound (SG5)

Resistors

All 1/4W, 5%

R1 470k
R2 150k
R3 1M
R4 330k

Semiconductors

Q1 BC557 PNP transistor
Q2 BC547 NPN transistor
COB ding-dong sound generator (SG5)

Miscellaneous

one N/O pushbutton; 8 ohm speaker; strip board or equivalent to accept COB PCB and components.
Phone sounds (SG2)

Resistors

All 1/4W, 5%

R1 100 ohm
R2 330k

Semiconductors

Q1 BC547 NPN transistor
COB phone sounds generator SG2

Miscellaneous

eight x N/O pushbuttons; 8 ohm speaker; strip board or equivalent to accept COB PCB and components.

Gun and siren sounds (SG4)

Resistors

All 1/4W, 5%

R1 330k

Semiconductors

Q1 BC547 NPN transistor
COB gun and siren sound generator SG4
LED1,2 5mm LED

Miscellaneous

N/O pushbuttons as required; 8 ohm speaker; strip board or equivalent to accept COB PCB and components.

Getting COBs and COB kits

Kits of parts for the COB projects described in this article are available from:

Alpine Technologies

PO Box 934,

Mt Waverley 3149.

Fax/phone (03) 751 1989.

Kits for SG1 and SG2 cost \$6.95; for SG3 and SG4, \$6.25; and for SG5 \$5, including postage. Kits also include documentation, speaker and battery holder, but no batteries.

Individual sound generator COBs are also available from:

Oatley Electronics

5 Lansdowne Parade,

Oatley West, NSW 2223.

Phone (02) 579 4985

Postal address (mail orders):

PO Box 89, Oatley West NSW 2223.

The SG1 and SG2 sound generator COBs cost \$3, while those for SG2, SG4 and SG5 cost \$2.50.