

## LIN155 - Lab Kit (Winter 2024)

### PART I: Toolbox components

The components on the tables below come inside the toolbox of the LIN155 kit.

HAND TOOLS	
Item	Qty
Mini diagonal cutters	1
Mini needle-nose pliers	1
Flathead screwdriver slotted, 3mm	1
Philips-head screwdriver #0x2	1
Wire strippers	1
Red or black wire spool, for breadboarding	1
Tweezers	1
SOLDERING TOOLS	
Item	Qty
40 W soldering iron	1
Desoldering pump	1
Tube of lead-free solder wire, gauge 21	1
Sponge	1
Copper wick	1
COMPONENTS	
Item	Qty
555 Timer IC	1
DIP8 socket	1
diode, 1N4148	1
10,000pF capacitor, 20% 16V ceramic	1
10uF capacitor, 20% 16V electrolytic	1
75k resistor, 1/4W 2%	2
1k resistor, 1/4W 5%	2
LED - red	2
Single pole switch	1
MISCELLANEOUS	
Item	Qty
12" Toolbox	1
9V battery	1
9V battery holder snap	1
PCB practice board	1
Flashing LEDs Soldering Kit (Lab 7)	1

**The ETY155 and LIN155 kits must be purchased together at Sayal.**

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