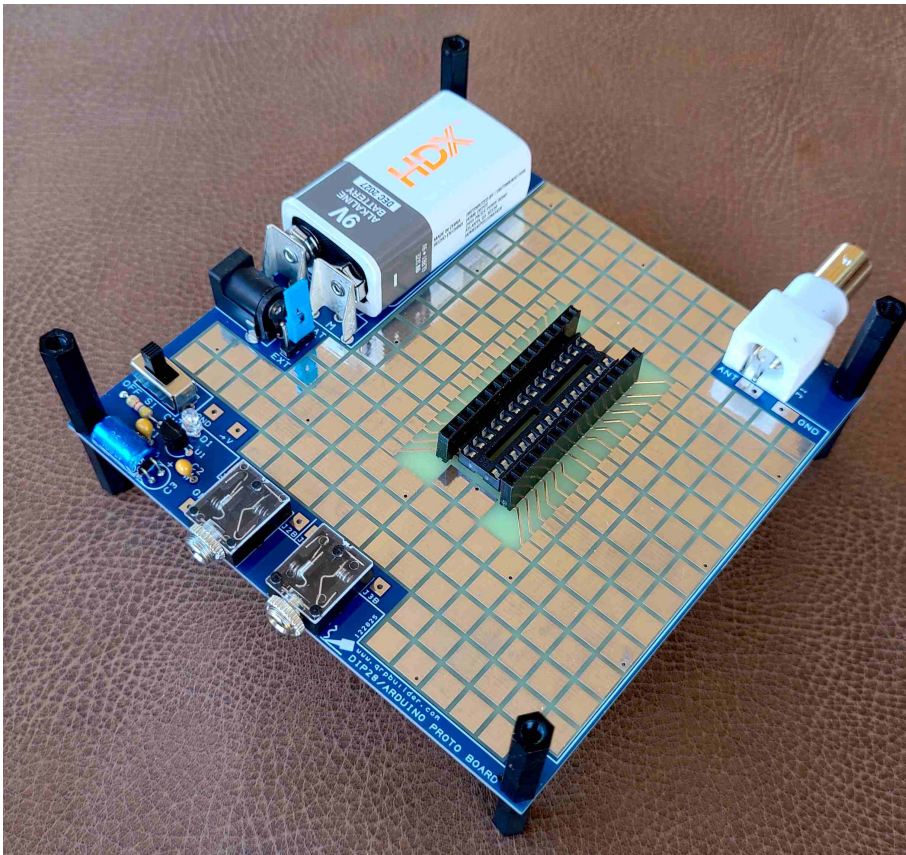




QRPBuilder DIP28/Arduino Nano Prototyping PCB Kit



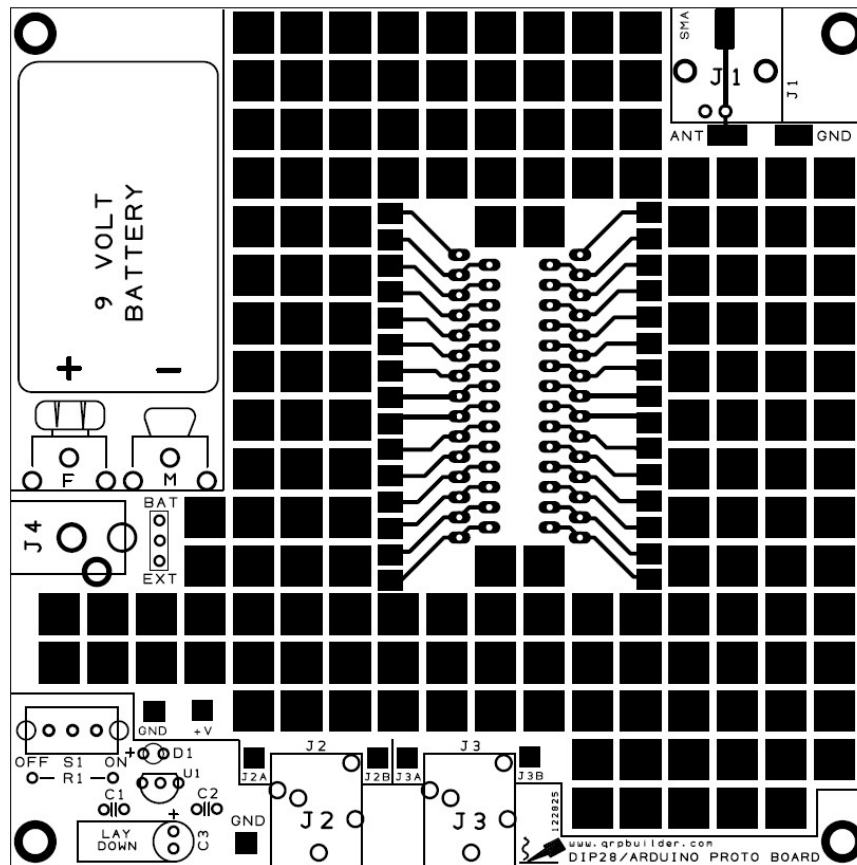
First, familiarize yourself with the parts and check for all the components. If a part is missing, please contact us at grpbuilder@gmail.com and we will send you one.

Please read all the instructions before starting to assemble the kit.

Parts List

- 1 – DIP28/Arduino Prototype PCB
- 1 – U1, 78L05 voltage regulator
- 1 - R1, 4.7K resistor (yellow-violet-red-gold)
- 2 – C1,2, .1uF MLCC, marked 104
- 1 – C3, 100uF electrolytic
- 1 – D1, green led
- 2 – J2,3, 3.5mm stereo pcb jack
- 1 – J1, BNC horizontal female pcb connector
- 1 – 9V battery clip “+”
- 1 – 9v battery clip “-“
- 1 – J4, pcb power jack 2.1mm center pin
- 1 – 1x3 SIP strip
- 1 – Berg shunt (sip jumper)
- 1 – 28pin DIP socket
- 1 – 40 pin single row female header strip
- 4 – M3 x 25mm long female nylon hex spacer
- 4 – M3 x 20mm long male/female nylon hex spacer

Using the guide below, start assembling with the smallest parts first. All electrical components mount on the top of the board



- [] Install C1,2, .1uF MLCC capacitor, marked 104
- [] Install R1, 4.7K resistor (yellow-violet-red-gold)
- [] Install D1, green LED, *observe polarity, the long lead is “+”*
- [] Install 1x3 SIP strip
- [] Install U1, 78L05 voltage regulator, *match the outline on the pcb*
- [] Install 9V battery clip “+”
- [] Install 9V battery clip “-”
- [] Install J2,3, 3.5mm stereo jack
- [] Install J4, pcb power jack
- [] Place the Berg shunt (jumper) on the 1x3 SIP for the power source you want to use.
- [] Install J1, BNC horizontal female pcb connector

- [] Solder the 28 pin DIP socket.
- [] Snip the 40 pin female header strips to **15** pins each, and solder to the outside .60" spaced holes.
- [] Install the nylon hex spacers on each corner. *For Nano clearance use the 25mm long fem/fem hex spacers on the side that you have installed the female header strips.*

Remember, the two sides are interconnected at the 15 pads with the vias, allowing both sides to be used in a combined circuit if desired.

[illegible]

Notes:

[illegible]