Nano-Stimulator with Keypad, Due based:

Components

x1 Arduino Due (need to order)

x2 LED (in stock)

x2 100 Ohm Resistors for LEDs (in stock)

x2 momentary push buttons (in stock)

x4 10k Ohm resistors for pull down  (in stock)

x1 LCD Keypad Shield from SainSmart  (need to order)

x4 BNC connectors (in stock)

x1 24LC256 EEPROM from Sparkfun (in stock)

x1 USB cable (Micro-B) (need to order)

x1 Project Box (~ 3.75” x 2” x 6” or similar dimensions).

Plenty of wires and a soldering iron. (in stock)

Also needed:

\* Arduino software which supports the due board (can be downloaded from the Arduino Website)

\* My Arduino code

Wiring diagram:

