Bill of Materials: HSU (Hand Scanner Unit)

Monday, February 4 2013

Assembly List

Label	Part Type	Properties
9V VCC	Battery block 9V	voltage 9V
JY-MCU	Generic female header - 4 pins	package THT; gender ♀; hole shape Square; pins 4; pin spacing 0.1in (2.54mm)
LED2	RGB LED (com. cathode, rgb)	package 5 mm [THT]; pin order rgb; polarity common cathode; rgb RGB
Nano	Arduino Nano v3.0	processor ATmega; variant Arduino Nano v3.0
R1	10k Ω Resistor	package THT; resistance 10kΩ; rated power 0.25 watt; footprint 400 mil
R2	10k Ω Resistor	package THT; resistance 10kΩ; rated power 0.25 watt; footprint 400 mil
R3	10k Ω Resistor	package THT; resistance 10kΩ; rated power 0.25 watt; footprint 400 mil
R4	150 Ω Resistor	package THT; resistance 150Ω; rated power 0.25 watt; footprint 400 mil
R5	100 Ω Resistor	package THT; resistance 100Ω; rated power 0.25 watt; footprint 400 mil
R6	100 Ω Resistor	package THT; resistance 100Ω; rated power 0.25 watt; footprint 400 mil
S1	Pushbutton	package [THT]

Shopping List

Amount	Part Type	Properties
1	RGB LED (com. cathode, rgb)	package 5 mm [THT]; pin order rgb; polarity common cathode; rgb RGB
1	Generic female header - 4 pins	package THT; gender ♀; hole shape Square; pins 4; pin spacing 0.1in (2.54mm)
2	100 Ω Resistor	package THT; resistance 100Ω; rated power 0.25 watt; footprint 400 mil
3	10k Ω Resistor	package THT; resistance 10kΩ; rated power 0.25 watt; footprint 400 mil
1	150 Ω Resistor	package THT; resistance 150Ω; rated power 0.25 watt;

Amount	Part Type	Properties
		footprint 400 mil
1	Pushbutton	package [THT]
1	Arduino Nano v3.0	processor ATmega; variant Arduino Nano v3.0
1	Battery block 9V	voltage 9V