

# materials list

## BILL OF MATERIALS

RPI PICO BOARD	RPI PICO \$1.95 OR RPI PICO 2 \$5.41
TM1637 DISPLAY	\$0.94-2.86
4X4 KEYPAD	\$0.66-3.14
KY040 ENCODER	\$1.53-4.68
POWER SUPPLY	5 VDC MINI-PLUG AC ADAPTER \$3.89  3.7V RECHARGABLE LI-PO BATTERY 10000mAh \$9.47 OR 3.7V RECHARGABLE LI-PO BATTERY 5000mAh \$7.49 OR 3.7V RECHARGABLE LI-PO BATTERY 2500mAh \$8.16 + LITHIUM BATTERY CHARGING MODULE \$0.99
AUDIO MODULE	RPI PICO AUDIO BOARD \$4.91  DFR0299 \$1.33 + PJ-320D 3.5MM TRS PANEL-MOUNT JACK \$0.12  LM358P DUAL OP-AMP \$2.35  B100K POTENTIOMETER \$1.03
TOTAL MIN	\$26.92
TOTAL MAX	\$40.03

**OTHER COMPONENTS**

5-WAY SWITCH	R16 ROTARY BAND SWITCH [SP5T] \$2.89
AUDIO-FX MODULE	PT2399 BOARD \$2.61-5.36
3.5MM TERMINAL	3-PIN MALE AUDIO/VIDEO PLUG \$2.61
4X1 KEYPAD	4-PIN INPUT ARRAY \$0.87
MICRO SD CARD	32GB SDHC MICRO SD CARD \$3.05-6.63