

EE40LX – Supplemental Parts List – Rev 1.1 (July 14, 2015)

Introduction

Throughout the modules, we make use of components not included in the kit to demonstrate different circuit concepts. These components are optional since they are not required to build the robot. The parts are provided here for students who are interested in using them in their future work. Please note that many of the specific parts listed here have many functional equivalents available from different manufacturers.

Supplemental Parts

Section	Part	Manufacturer	Man. Part #
2.3	10k rotary potentiometer	Bi Technologies	P160KNP-0EC15V10K
2.3	10k thermistor	Vishay	NTCLE100E3103JB0
2.3, 2.4, 3.2	flex sensor	Spectra Symbol	MCFS-L-0055-253-ST L053PT
3.4	LM380 audio power amplifier	Texas Instruments	LM380N-8
4.1	220 μ F 25 V radial electrolytic capacitor	Richey	RPZ221M025V0812
6.1	Momentary SPST pushbutton switch	Solarbotics	SWT10
6.1	5V SPDT relay	Omron	G5V-1
6.1	IRF510 power MOSFET	Vishay	IRF510