

ARDUINO EVIL GENIUS KIT PARTS LIST

(OPTIONAL PROJECTS ARE NOT INCLUDED BUT CAN BE ORDERED SEPARATELY)

QTY	ITEM	DESCRIPTION	ABRA #
1	ARDUINO BOOK	30 ARDUINO PROJECTS FOR THE EVIL GENIUS	0071817721
1	ARDUINO UNO	ARDUINO UNO REV 3 MICROCONTROLLER	A000066
1	ARDUINO PLATE KIT	ARDUINO PLATE KIT W/840 TIE-POINT BREAD-BOARD	ARD-PI-KIT
1	JUMPER WIRES	JUMPER WIRES M/M	JW-75
1	BOX	PLASTIC PARTS ORGANIZER BOX	CB-12
	PROJECT 1	FLASHING LED	INCLUDED
1	RESISTOR R1	¼ WATT 270 OHM RESISTOR (RED,VIOLET,BROWN)	R1/4-270
1	LED D1	5mm RED LED	LED-5R
	PROJECT 2	MORSE CODE S.O.S. FLASHER	INCLUDED
1	RESISTOR R1	¼ WATT 270 OHM RESISTOR (RED,VIOLET,BROWN)	R1/4-270
1	LED D1	5mm RED LED	LED-5R
	PROJECT 3	MORSE CODE TRANSLATOR	INCLUDED
1	RESISTOR R1	¼ WATT 270 OHM RESISTOR (RED,VIOLET,BROWN)	R1/4-270
1	LED D1	5mm RED LED	LED-5R
	PROJECT 4	HIGH-BRIGHTNESS MORSE CODE TRANSLATOR	INCLUDED
1	LED D1	1 WATT LUXEON LED	BOB-10179
1	RESISTOR R1	¼ WATT 270 OHM RESISTOR (RED,VIOLET,BROWN)	R1/4-270
1	RESISTOR R2	2 WATT 4.7 OHM RESISTOR (YELLOW,VIOLET, GOLD)	R2W-4.7
1	TRANSISTOR T1	NPN POWER TRANSISTOR	TIP31C
	PROJECT 5	MODEL TRAFFIC SIGNAL	INCLUDED
1	LED D1	5mm RED LED	LED-5R
1	LED D2	5mm YELLOW LED	LED-5Y
1	LED D3	5mm GREEN LED	LED-5G
3	RESISTOR R1-3	¼ WATT 270 OHM RESISTOR	R1/4-270
1	SWITCH S1	PUSHBUTTON SWITCH	PBS-190
	PROJECT 6	STROBE LIGHT	INCLUDED
1	LED D1	1 WATT LUXEON LED	BOB-10179
1	RESISTOR R1	¼ WATT 270 OHM RESISTOR (RED,VIOLET,BROWN)	R1/4-270
1	RESISTOR R2	2 WATT 4.7 OHM RESISTOR (YELLOW,VIOLET, GOLD)	R2W-4.7
1	TRANSISTOR T1	NPN POWER TRANSISTOR	TIP31C
1	POTENTIOMETER R3	10K LINEAR POTENTIOMETER	3386P-1-103SH
1	9V BATTERY CLIP	9 VOLT BATTERY CLIP W/2.1mm DC PLUG	CAB-ARD-1
	PROJECT 7	SAD LIGHT - OPTION 1	NOT INCLUDED
6	LED D1-6	1 WATT LUXEON LED	BOB-10179
3	RESISTOR R1-3	¼ WATT 1K OHM RESISTOR BROWN,(BLACK,RED)	R1/4-1K
2	RESISTOR R4-5	2 WATT 4.7 OHM RESISTOR (YELLOW,VIOLET, GOLD)	R2W-4.7
1	POTENTIOMETER R6	100K LINEAR POTENTIOMETER	P100K-MIN-PC
2	REGULATOR IC1-2	LM317 ADJ. VOLTAGE REGULATOR	LM317T
2	TRANSISTOR T1-2	2N7000 FET TRANSISTOR	2N7000
1	POWER SUPPLY	12 VOLT 700 MA POWER ADAPTER	DC-12700
1	PROJECT BOARD	4.5 x 6.25 IN. PROJECT BOARD	BRD-110
1	TERMINAL	THREE POSITION SCREW TERMINAL BLOCK	TB-133
	PROJECT 8	HIGH POWERED STROBE LIGHT – OPTION 1	NOT INCLUDED
	See PROJECT 7	Uses PROJECT 7 parts	N/A

	PROJECT 9	LED DICE	INCLUDED
7	LED D1-7	5mm RED LED	LED-5R
7	RESISTOR R1-7	¼ WATT 270 OHM RESISTOR (RED,VIOLET,BROWN)	R1/4-270
1	SWITCH S1	PUSHBUTTON MOMENTARY ON SWITCH	PBS-190
	PROJECT 10	KEYPAD SECURITY CODES	INCLUDED
1	LED D1	5mm RED LED	LED-5R
1	LED D2	5mm GREEN ED	LED-5G
2	RESISTOR R1-2	¼ WATT 270 OHM RESISTOR	R1/4-270
1	KEYPAD K1	4x3 KEYPAD	TEL-KEY
	PROJECT 11	MODEL TRAFFIC SIGNAL USING A ROTARY ENCODER	INCLUDED
1	LED D1	5mm RED LED	LED-5R
1	LED D2	5mm YELLOW LED	LED-5Y
1	LED D3	5mm GREEN LED	LED-5G
3	RESISTOR R1-3	¼ WATT 270 OHM RESISTOR (RED,VIOLET,BLACK)	R1/4-270
1	ENCODER	ROTARY ENCODER W/ PUSH SWITCH	COM-09117
	PROJECT 12	PULSE RATE MONITOR	INCLUDED
1	LED D1	5mm RED LED	LED-5R
1	LED D2	5mm IR LED EMITTER 940 nm (BLUE)	KIE6305
1	PHOTOTRANSISTOR T1	5mm IR PHOTOTRANSISTOR 940 nm (CLEAR)	KID7404
1	RESISTOR R1	¼ WATT 56K OHM RESISTOR (GREEN,BLUE,ORANGE)	R1/4-56K
1	RESISTOR R2	¼ WATT 270 OHM RESISTOR (RED,VIOLET,BLACK)	R1/4-270
1	RESISTOR R3	¼ WATT 100 OHM RESISTOR (BROWN,BLACK,BROWN)	R1/4-100
	PROJECT 13	USB TEMPERATURE LOGGER	INCLUDED
1	SENSOR IC1	TMP36 TEMPERATURE SENSOR	TMP36GT
	PROJECT 14	MULTICOLOR LIGHT DISPLAY	INCLUDED
1	RGB LED	5mm RGB LED 4 PINS	LED-5RGB-4
3	RESISTOR R1-3	¼ WATT 270 OHM RESISTOR (RED,VIOLET,BLACK)	R1/4-270
1	ENCODER	ROTARY ENCODER W/ PUSH SWITCH	COM-09117
	PROJECT 15	SEVEN SEGMENT LED DOUBLE DICE	INCLUDED
1	LED D1	7 SEGMENT 2 DIGIT RED DISPLAY COMMON ANODE	MAN6710
7	RESISTOR R3-10	¼ WATT 100 OHM RESISTOR	R1/4-100
2	RESISTOR R1-2	¼ WATT 1K OHM RESISTOR	R1/4-1K
2	TRANSISTOR T1-2	PNP TRANSISTOR	PN2222A
1	SWITCH S1	PUSHBUTTON MOMENTARY ON SWITCH	PBS-190
	PROJECT 16	LED ARRAY OPTION 2	NOT INLCUDED
1	LED MODULE	8 x 8 LED BICOLOR I2C MODULE	902-ADA
	PROJECT 17	USB MESSAGE BOARD	INCLUDED
1	LCD MODULE	16x2 CHARACTER LCD BLACK ON GREEN	LCD-00255
1	HEADER PINS	SNAPPABLE HEADER PINS	SH-2
1	TRIMPOT R1	10K OHM LINEAR POTENTIOMETER	3386P-1-103SH
	PROJECT 18	OSCILLOSCOPE	INCLUDED
1	CAPACITOR C1	0.22 UF CAPACITOR	MF224-100
2	CAPACITOR C2-3	100 UF 25 VOLT CAPACITOR	100R25
2	RESISTOR R1-2	¼ WATT 1MEG OHM RESISTOR	R1/4-1M
2	RESISTOR R3-4	¼ WATT 1K OHM RESISTOR	R1/4-1K
1	DIODE D1	5.1V ZENER DIODE	1N4733A

	PROJECT 19	TUNE PLAYER	INCLUDED
1	CAPACITOR C1	0.1 UF NON-POLARIZED MYLAR CAPACITOR	MF104-100
1	CAPACITOR C2	100 UF 16 VOLT CAPACITOR	100R16
1	RESISTOR R1	¼ WATT 470 OHM RESISTOR	R1/4-470
1	TRIMPOT R2	10K OHM LINEAR POTENTIOMETER	3386P-1-103SH
1	IC1	1 WATT AUDIO AMPLIFIER	TDA7052
1	SPEAKER	MINIATURE 8 OHM LOUDSPEAKER	SPK-120
	PROJECT 20	LIGHT HARP	INCLUDED
1	CAPACITOR C1	0.1 UF NON-POLARIZED MYLAR CAPACITOR	MF104-100
1	CAPACITOR C2	100 UF 16 VOLT CAPACITOR	100R16
1	RESISTOR R1	¼ WATT 470 OHM RESISTOR (YELLOW,VIOLET,BLACK)	R1/4-470
2	RESISTOR R2-3	¼ WATT 1K OHM RESISTOR	R1/4-1K
1	TRIMPOT R6	10K OHM LINEAR POTENTIOMETER	3386P-1-103SH
2	LDR R4-5	LIGHT DEPENDANT RESISTOR	PHOTO-310
1	IC1	1 WATT AUDIO AMPLIFIER	TDA7052
1	SPEAKER	MINIATURE 8 OHM LOUDSPEAKER	SPK-120
	PROJECT 21	VU METER	INCLUDED
2	RESISTOR R1,R3	¼ WATT RESISTOR 10K OHM (BROWN,BLACK,ORANGE)	R1/4-10K
1	RESISTOR R2	¼ WATT 100K OHM RESISTOR	R1/4-100K
10	RESISTOR R4-13	¼ WATT 270 OHM RESISTOR (RED,VIOLET,BLACK)	R1/4-270
1	CAPACITOR C1	0.1 UF NON-POLARIZED MYLAR CAPACITOR	MF104-100
1	TRANSISTOR T1	PNP TRANSISTOR	PN2222A
1	DISPLAY	10 SEGMENT BARGRAPH DISPLAY	MV57164
1	SWITCH S1	PUSHBUTTON MOMENTARY ON SWITCH	PBS-190
1	MICROPHONE	ELECTRET MICROPHONE	99-WM-52BH
	PROJECT 22	LCD THERMOSTAT	INCLUDED
1	SENSOR	TMP36 TEMPERATURE SENSOR	TMP36GT
1	RESISTOR R1	¼ WATT 270 OHM RESISTOR (RED,VIOLET,BLACK)	R1/4-270
1	RESISTOR R2	¼ WATT 1K OHM RESISTOR	R1/4-1K
1	TRIMPOT R3	10K OHM LINEAR POTENTIOMETER	3386P-1-103SH
1	LED D1	5mm RED LED	LED-5R
1	DIODE D2	1 AMP 200 VOLT DIODE	1N4004
2	TRANSISTOR T1	PNP TRANSISTOR	PN2222A
1	RELAY	5V 1A SPDT RELAY	RDP-110
1	LCD MODULE	16x2 CHARACTER LCD BLACK ON GREEN	LCD-00255
1	HEADER STRIP	SNAPPABLE HEADER PINS	SH-2
	PROJECT 23	COMPUTER CONTROLLED FAN - OPTION 3	NOT INLCUDED
1	RESISTOR R1	¼ WATT 270 OHM RESISTOR (RED,VIOLET,BLACK)	R1/4-270
1	DIODE D1	1 AMP 200 VOLT DIODE	1N4004
1	TRANSISTOR T1	NPN POWER TRANSISTOR	TIP31C
1	FAN M1	12VDC FAN	FAN-200
1	POWER SUPPLY	12VDC 200 MA ADAPTER	DC-1220
	PROJECT 24	HYPNOTIZER - OPTION 4	NOT INLCUDED
1	MOTOR M1	DC GEARMOTOR 80 RPM@6VDC	GM8
1	WHEEL	DC GEARMOTOR MOUNTS	GMW
1	IC1	MOTOR DRIVER IC	L293D
1	DECAL	HYPNOTIC PATTERN (print@www.arduinoevilgenius.com)	HYPNO

	PROJECT 25	SERVO CONTROLLED LASER	INCLUDED
1	LASER D1	5mW 650nm RED LASER	1054-ADA
2	MOTOR M1-2	SERVO MOTOR	HXT500
1	RESISTOR R1	¼ WATT 100 OHM RESISTOR (BROWN,BLACK,BROWN)	R1/4-100
1	CAPACITOR C1	100 UF 16 VOLT CAPACITOR	100R16
	PROJECT 26	LIE DETECTOR	
3	RESISTOR R1-3	¼ WATT 270 OHM RESISTOR (RED,VIOLET,BLACK)	R1/4-270
1	RESISTOR R4	¼ WATT 470 OHM RESISTOR (YELLOW,VIOLET,BLACK)	R1/4-470
1	TRIMPOT R5	10K OHM LINEAR POTENTIOMETER	3386P-1-103SH
1	LED D1	5mm RGB LED 4 PINS	LED-5RGB-4
1	BUZZER S1	PIEZO BUZZER	160-ADA
	PROJECT 27	MAGNETIC DOOR LOCK - OPTION 5	NOT INCLUDED
1	LED D1	5mm RED LED	LED-5R
1	LED D2	5mm GREEN LED	LED-5G
2	RESISTOR R1-2	¼ WATT 270 OHM RESISTOR (RED,VIOLET,BLACK)	R1/4-270
1	KEYPAD K1	4x3 KEYPAD	TEL-KEY
1	HEADER STRIP	MALE SNAPPABLE HEADER PINS	SH-2
1	TRANSISTOR T1	N CHANNEL MOSFET 100V 10A	IRF520
1	SOLENOID	MAGNETIC DOOR LATCH SOLENOID	412-ADA
1	DIODE D3	1 AMP 200 VOLT DIODE	1N4004
1	DC POWER SUPPLY	12 VDC 700 mA DC POWER SUPPLY	DC-12700
	PROJECT 28	INFRA RED REMOTE	INCLUDED
1	RESISTOR R1	¼ WATT 100 OHM RESISTOR (BROWN,BLACK,BROWN)	R1/4-100
1	RESISTOR R2	¼ WATT 270 OHM RESISTOR (RED,VIOLET,BLACK)	R1/4-270
1	TRANSISTOR T1	PNP TRANSISTOR	PN2222A
1	IR LED D1	5mm IR EMITTER DIODE 940nm	TSAL6100
1	IR RECEIVER IC1	IR REMOTE CONTROL RECEIVER	TSOP4838
	PROJECT 29	LILYPAD CLOCK - OPTION 6	NOT INCLUDED
1	ARDUINO LILYPAD	ARDUINO LILYPAD	DEV-09266
1	USB PGM ADAPTER	LILYPAD USB PROGRAMMER ADAPTER	DEV-10275
1	USB CABLE	USB A TO MINI B CABLE	899-ADA
16	RESISTOR R1-16	¼ WATT 100 OHM RESISTOR (BROWN,BLACK,BROWN)	R1/4-100
4	RED LED D1-4	3mm RED LED	LED-3R
6	AMBER LED D5-10	3mm AMBER LED	LED-3A
6	GREEN LED D11-16	3mm GREEN LED	LED-3G
1	RESISTOR R17	¼ WATT 100K OHM RESISTOR (BROWN,BLACK,YELLOW)	R1/4-100K
1	REED SWITCH S1	REED SWITCH	REED SWITCH-NO
1	PICTURE FRAME	SUPPLIED BY USER	N/A
1	DC POWER SUPPLY	5 VDC 1 AMP POWER ADAPTER	DC-5100-USB
	PROJECT 30	EVIL GENIUS COUNTDOWN TIMER	INCLUDED
1	DISPLAY	7 SEGMENT 4 DIGIT I2C GREEN DISPLAY	880-ADA
1	ENCODER	ROTARY ENCODER W/ PUSH SWITCH	COM-09117
1	BUZZER	PIEZO BUZZER	160-ADA