

3901 Parts List Summer 2014		Kit Contents Per Group Member
QTY	Part Number	DESCRIPTION
4	2N2222A	NPN TRANSISTOR, 750MA, 40V,Motorola
4	2N2907A	PNP Transistor, 600ma, 40v, Motorola
4	1N4148	Diode, Si, Switching, 100v, 4ns
2	1N5819	DIODE SCHOTTKY 40V 1A DO41
6	BF170	N-Chan Small signal MOSFET
2	3362P-1-103LF	Cermet Potentiometer, Bourns
3	TEPT4400	AMBIENT LIGHT SENSOR 3MM 570NM NPN
3	754-1379-ND	LED 5MM RED CLEAR 624NM 30DEG
3	C503B-GCS-CY0C0791-ND	LED 5MM GREEN CLEAR 527NM 30DEG
3	C503B-BCN-CV0Z0461-ND	LED 5MM BLUE CLEAR 470NM 30DEG
3	C503B-WAN-CCACB151-ND	LED 5MM COOL WHITE CLEAR 15DEG
10	CF14JT120RCT-ND	RES 120 OHM 1/4W 5% CARBON FILM
10	CF14JT510RCT-ND	RES 510 OHM 1/4W 5% CARBON FILM
10	CF14JT820RCT-ND	RES 820 OHM 1/4W 5% CARBON FILM
10	CF14JT1K00CT-ND	RES 1K OHM 1/4W 5% CARBON FILM
10	CF14JT3K00CT-ND	RES 3K OHM 1/4W 5% CARBON FILM
10	CF14JT3K30CT-ND	RES 3K3 OHM 1/4W 5% CARBON FILM
10	CF14JT4K70CT-ND	RES 4.7K OHM 1/4W 5% CARBON FILM
10	CF14JT15K0CT-ND	RES 15K OHM 1/4W 5% CARBON FILM
10	CF14JT10K0CT-ND	RES 10K OHM 1/4W 5% CARBON FILM
10	CF14JT22K0CT-ND	RES 22K OHM 1/4W 5% CARBON FILM
10	CF14JT47K0CT-ND	RES 47K OHM 1/4W 5% CARBON FILM
10	CF14JT100KCT-ND	RES 100K OHM 1/4W 5% CARBON FILM
2	P828-ND	Capacitor,fixed,10uf,50v,Radial
10	C315C104M5U5TA7303	Capacitor, 0.1uf, 50v
1	ECQ-E2334KF	CAP FILM 0.33UF 63VDC RADIAL
1	QRD1114	Sensor Phototransistor IR NPN Reflective
2	SW768-ND (SS-3GL13P)	Switch Lever 3A SLDR
1	HC-SR04	Ultrasonic Range Finder
2	516-1556-5-ND (LTV-4N25)	Optoisolator, Npn Output, Motorola 4N25
1	74LS00	Quad 2 Input Nand Gate
1	74LS02	Quad 2 Input Nor Gate
1	74ls74	Dual FlipFop
1	LMC555CN-ND	Single Timer, CMOS
2	TL-074 (497-2205-5-ND)	Quad Op Amp JFET, TL074
1	LM339 (296-1393-5-ND)	Quad Comparitor, Motorola LM339
1	CD4066 (296-2061-5-ND)	National Quad Bilateral Switch
1	7406	Hex Inverter with Open Collector Outputs
1	MC7805CT-BPMS-ND	Positive 5 volt Regulator, TO-220
1	LM317KCS (296-13869-5-ND)	Positve Variable Regulator
1	LM337	Negative Variable Regulator
1	ABRA-12	840 Tie Point Breadboard
1	JW-1	Breadboard Wire Kit
1	3750	Plano Tackle Box
1	SCS-30058	Shielded ESD Bag 5" x 8"

QTY	Part Number	DESCRIPTION
6	314-1033-ND	Mueller Alligator Clip
4	H713-ND	Machine Screws, 6-32, 3/4", Building Fasteners
4	H220-ND	#6 Nuts, 6-32, Building Fasteners
4	H702-ND	Screw Machine Slotted 2-56x3/4"
4	H723-ND	Nut Hex 2-56 Zinc Plated
1	#4, 5/8"	Wood Screw
1	DAL000	Solder Proto Board
1	MPU-9150 breakout.	Gyro, Accel, Mag Breakout
3		1" x 1" x 0.0625" Aluminum
3		Rubber Band - 99011
1		3 1/2" Nail
1		3 Ft String
20		Enamel Coated Wire 22 AWG
8	Velcro	3/4 inch Velcro Circles

Kit Contents Per Group

1		3/4" x 3/4" x 24" Spruce
1		2ft 18AWG 3 conductor Ribbon Wire
2		Housing 2200 Red
2		Housing 2200 Black
2		Housing 2200 GREEN
10	AA Battery	AA Cell Non Rechargeable Alkaline
1	Turtle	DF-Robot Development Platform
2	DAL001	Encoder Kit (TCST5250 and PCB assy)
2	DAL002	Driver Kit(TLE5206-2G and PCB assy)
1	KEYSTONE-2465	HOLDER BATT 3-AA CELLS
1	BC22AAW	HOLDER BATT 2-AA CELLS