

# Pat's 4 WD BT/IR Robot Buggy– 10 Coloured Wires, Cutting Lengths Required

Note– All lengths are in mm

Pat McMahon V1—8/5/2023

Part	Wire Colour	Connections	Lengths Req'd	Totals	
LED Base Lights	Blue	Blue LED-D3	1x60,1x250	310	Total of 3560mm
	Orange	Orange LED-D13	1x60,1x150	210	
	Red	Red LED-D4	1x60,1x250	310	
	Black	Gnd- Gnd L298N	3x60,2x140,1x110	570	
Motors	Green	Green Motor-Output L298N(D10)	2x150	300	
	Yellow	Yellow Motor-Output L298N(D9)	2x150	300	
	Blue	Blue Motor-Output L298N(D6)	2x150	300	
	Purple	Purple Motor-Output L298N(D5)	2x150	300	
L298N	Green	Green Dupont Male Input1 -(D10)	1x110	110	
	Yellow	Yellow Dupont Male Input2-(D9)	1x110	110	
	Blue	Blue Dupont Male Input3- (D6)	1x110	110	
	Purple	Purple Dupont Male Input 4 -(D5)	1x110	110	
	Red	+5V Out L298N– Vin Uno	1x100	100	
	Black	—Gnd Out L298N - Gnd Uno	1x100	100	
Bluetooth/Infrared Shield	White	D2—IR Signal	60	60	
	Yellow	D1(Tx) - Rx BT	40	40	
	Red	+5V Positive Rail Wire	40	40	Plus30 mm Hook up wire
	Black	—Gnd Negative Rail Wire	50	50	Plus30 mm Hook up wire
	Grey	D9—+ Buzzer	30	30	
	Orange	D0 (Rx) - Tx BT	40	40	