

Cable color		Raspberry pi	Node MCU D1	PCA9695	Dispatch	MPU9265	Encoder	US radar	Comment
brown	1	3V3 power -->			3V3 PI				
white				VCC	3V3 PI				
Soldered		3V3 power -->	3V3 D1 -->		3V3 D1				Provide 3V3 D1 even without D1 present
Soldered					3V3 D1	3V3			
orange					3V3 PI		Vcc		
black					3V3 PI		Vcc		
red	2	5V power -->			5V PI				
yellow	4	5V power - NC							
black				V+	5V PI				
Soldered			5V D1 -->		5V D1				
yellow					5V PI			5V	
blue	6	GND -->			GND				
black	9	GND -->			GND				
Soldered			GND D1		GND				
blue				GND	GND				
Soldered					GND	GND			
yellow					GND		GND (R)		
white					GND		GND (L)		
brown					GND			GND	
yellow	39	GND							Shutdown cable
	14	GND - NC							
yellow	40	GPIO 21							Shutdown cable
gray	3	GPIO 2 (SDA)		SDA	SDA	SDA			
violet	5	GPIO 3 (SCL)		SCL	SCL	SCL			
	7	GPIO 4 - NC							
white	8	GPIO 14 (Tx)	Rx						
gray	10	GPIO 15 (Rx)	Tx						
							OutL		
							OutR		
				OE - NC					
			A0 - NC						
			RST - NC						
red			D1 (NC)						

Cable color		Raspberry pi	Node MCU D1	PCA9695	Dispatch	MPU9265	Encoder	US radar	Comment
brown			D2 (NC)						
orange			D3 (GPIO output)					Trig	
red			D4 (GPIO input)					Echo	