

Weather Station Raspberry Pi / ADS1115 Cabling

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rPi-Pin	Function	Target	target pin	direction	color		rPi-Pin	Function	Target	target pin	color	
1	3.3V	VCC ADS1115 + OLED	1	out		<div><div>Pi Model B/B+</div><div><div><div>1</div><div>2</div><div>3</div><div>4</div><div>5</div><div>6</div><div>7</div><div>8</div><div>9</div><div>10</div><div>11</div><div>12</div><div>13</div><div>14</div><div>15</div><div>16</div><div>17</div><div>18</div><div>19</div><div>20</div><div>21</div><div>22</div><div>23</div><div>24</div><div>25</div><div>26</div><div>27</div><div>28</div><div>29</div><div>30</div><div>31</div><div>32</div><div>33</div><div>34</div><div>35</div><div>36</div><div>37</div><div>38</div><div>39</div><div>40</div></div><div>Pi Model B+</div></div></div>	5V	AUX reserve				
2												
3	SDA	I2C ADS1115 / SSD1106	4 / 1	bus	yellow							
4												
5	SCL	I2C ADS1115 / SSD1106	3 / 2	bus	green							
6												
7												
8												
9	Attention, irradiation from I2C bus!											
10												
11												
12												
13												
14								Ground	ADS1115 + OLED	2 / 1	black	
15												
16												
17												
18												
19												
20								Ground	ADS1115 Signal	8 - 10	black	
21												
22												
23												
24												
25	Ground	Radio	sleeve									
26												
27												
28												
29	GPIO5	MOSFET (control)	1	out	brown							
30												
31	GPIO6	433RF Transmitter		out	green							
32												
33	GPIO13	run LED green			blue							
34												
35	GPIO19	Shutdown-Button		out high	red							
36												
37	GPIO 26	Traffic-Light active - control LED yellow		out	blue							
38												
39	Ground	Traffic-Light active - control LED yellow			black							
40												

Power @ expansion Board

VCC 5V433 RF RX + TX + FAN

Ground433 RF RX + TX + FAN

Groundall LED, Shutdown Sw

Audio L	rPi speaker		out	white	----->	----->	----->	----->	Radio MIC	in	Ring 2	white
TRRS	Radio speaker	Tip	out	orange	----->	----->	----->	----->	ADS1115	A0	7	orange
TRRS	Radio Ring 1 PTT	Ring 1	short w gnd	blue	<-----	<-----	<-----	<-----	MOSFET	load	3	
TRRS	Radio Ring 2 MIC	Ring 2	in	white								
TRRS	Radio ground	Sleeve	Gnd	black	<-----	<-----	<-----	<-----	MOSFET	load gnd	4	