NC

VDD SDA GND

AM 2302

3V3

C64
100n
1005

5V

C65
100n
1005

Raspberry Pi

J8

	1	2	
GPIO2	3	4	
GPIO3	5	6	
GPIO4	7	8	GPIO14
	9	10	GPIO15
GPIO17	11	12	GPIO18
GPIO27	13	14	
GPIO22	15	16	GPIO23
	17	18	GPIO24
GPIO10	19	20	
GPIO9	21	22	GPIO25
GPIO11	23	24	GPIO8
	25	26	GPIO7
ID_SD	27	28	ID_SC
GPIO5	29	30	
GPIO6	31	32	GPIO12
GPIO13	33	34	
GPIO19	35	36	GPIO16
GPIO26	37	38	GPIO20
	39	40	GPIO21

40W 0.1" PIN HDR

EXT 5V

MCP3008

CH0	1		16	V_{DD}
CH1	2		15	V_{REF}
CH2	3		14	AGND
CH3	4		13	CLK
CH4	5		12	D_{OUT}
CH5	6		11	D_{IN}
CH6	7		10	CS/SHDN
CH7	8		9	DGND

Temperature – Humidity – Voltage Sensor
Schematic
Version 0.8
8th January, 2018

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