

Drok NT/ Juntek NT / TTGO adapter board with ADS1115 module.

Front View

Caveat: power on +5V and +3V: 20mA max!

North 90° header
(Extension connector)

North-west 90°
Feed-back header

DKP6012

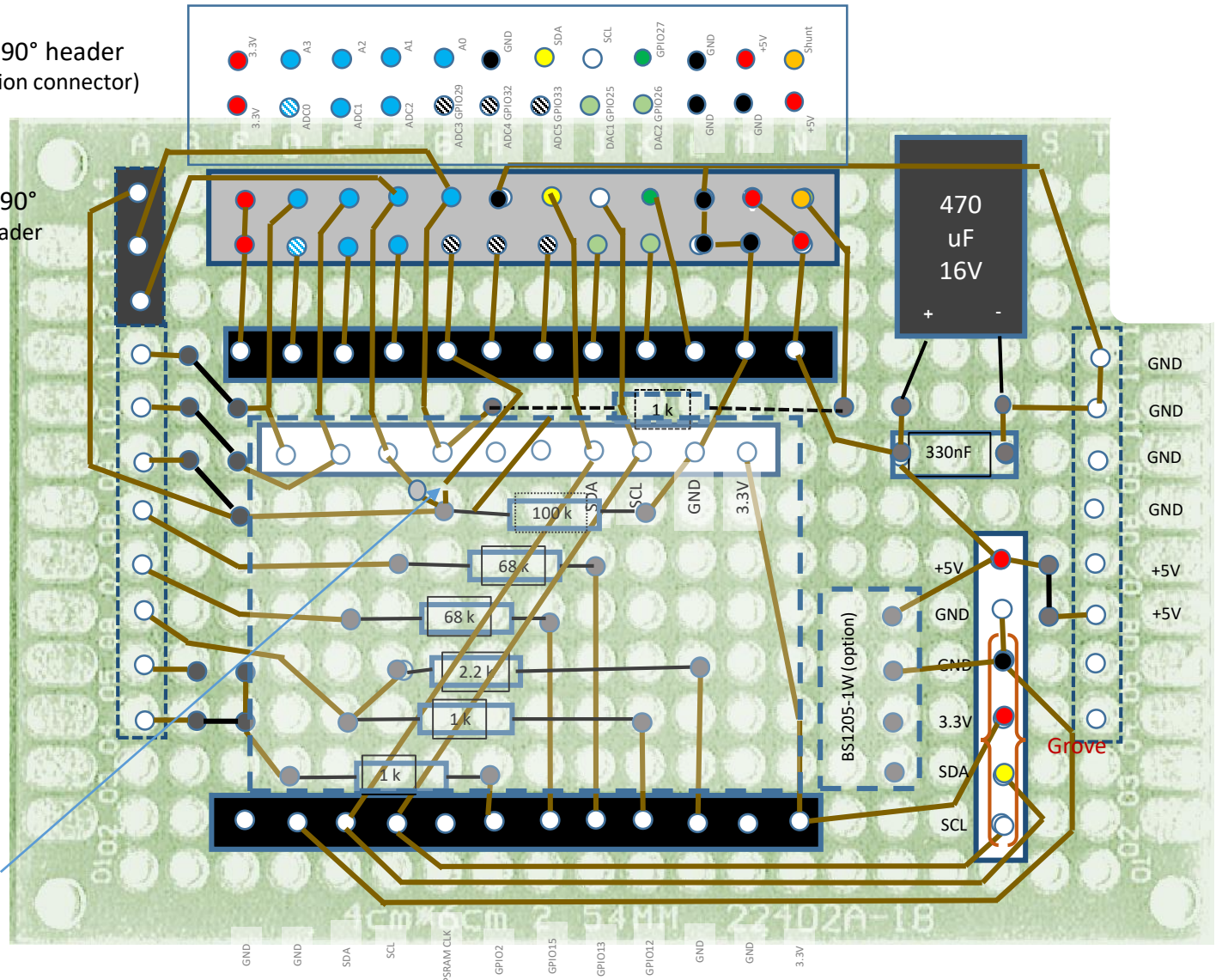
DKP6008

Juntek

TTGO

Jumpers
Configuration

Solder bridge
for Vin
left on ADC1 (ADS)
right
on GPIO29 (ESP)





Differences Drok-Juntek: Left connector

Drok 6008

- | | | | |
|---|---|---|--|
| 1 | ○ | Voltage sense* | |
| 2 | ○ | Current sense** | |
| 3 | ○ | 1K to GND ?? | |
| 4 | ○ | Current PWM** | |
| 5 | ○ | Voltage PWM* | |
| 6 | ○ | <1V $\overline{\text{Enable}}$ (weak Pullup 5V) | |
| 7 | ○ | Fan PWM | |
| 8 | ○ | GND | |

V or 100mA	PWM - V	PVM - A	mV - Vi	mV -Vo	mV -A
Bias	-1	66	-	4	110
Step (for 1v or 100mA)	18,17	8,90	47,22	29,00	14,20
Res. (mV or mA per increment)	55,05	112,36	21,18	34,48	7,04

*		**	
0v	.000	0.0A	0.109
5v	.149	0.1A	0.124
10v	.294	0.5A	0.181
15v	.439	1.0A	0.323
20v	.585	2.0A	0.391
25v	.729	5.0A	0.820
30v	.874		
35v	1.019		

Juntek 3603

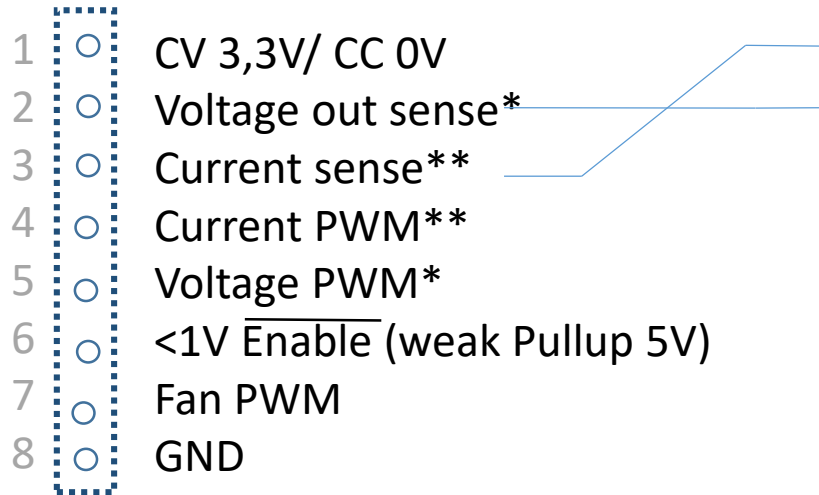
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|---|---|---|
| 1 | ○ | Current sense ** |
| 2 | ○ | Voltage sense * |
| 3 | ○ | Free (Vin sense on 3603) |
| 4 | ○ | Current PWM** |
| 5 | ○ | Voltage PWM* |
| 6 | ○ | <1V $\overline{\text{Enable}}$ (by default) |
| 7 | ○ | $\overline{\text{CC}}$ /CV feedback (on some modules) |
| 8 | ○ | Fan PWM (on some modules) |

V or 100mA	PWM - V	PVM - A	mV - Vi	mV -Vo	mV -A
Bias	29,4	93	-6	47,6	145
Step (for 1v or 100mA)	47,1	57	62,2	71,2	85
Res. (mV or mA per increment)	21,23	17,65	16,08	14,04	1,18

*		**	
0v	0.048	0.0A	0.145
5v	0.401	0.1A	0.230
10v	0.754	0.5A	0.570
15v	1.107	1.0A	0.994
20v	1.461	2.0A	1.844
25v	1.818		

Differences Drok-Juntek: Left connector

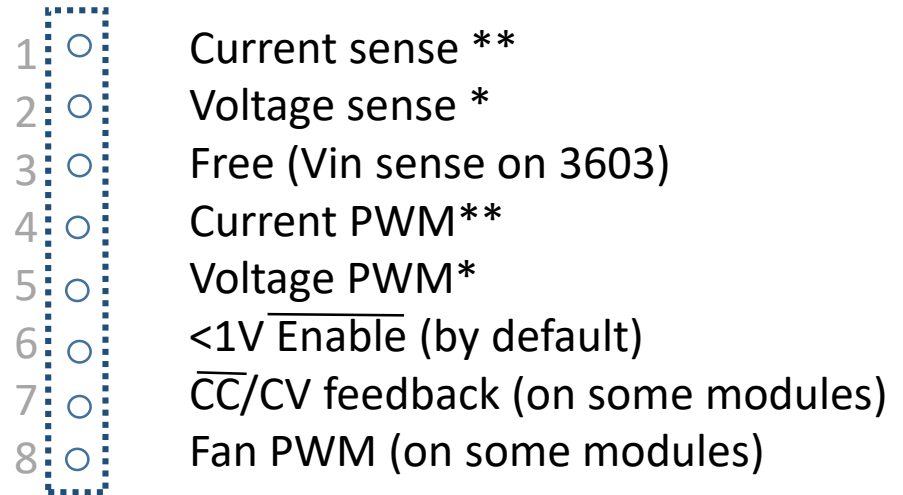
Drok 6012



V or 100mA	PWM - V	PVM - A	mV - Vi	mV -Vo	mV -A
Bias	-1	66	-	4	110
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Res. (mV or mA per increment)	55,05	112,36	21,18	34,48	7,04

*	**
0v	.000
5v	.149
10v	.294
15v	.439
20v	.585
25v	.729
30v	.874
35v	1.019

Juntek 3806



V or 100mA	PWM - V	PVM - A	mV - Vi	mV -Vo	mV -A
Bias	29,4	93	-6	47,6	145
Step (for 1v or 100mA)	47,1	57	62,2	71,2	85
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