I2C / Qwiic Bus

3.3V

SCL
SDA

GND

R1 2.2k
R2 2.2k

JP3

J8: SCL SDA VCC GND
J9: SCL SDA VCC GND

Remote Temp. Sensor (Cutout)

IN+
IN-

J7

1nF
C4

Q1
2N3904

AMC6821 IC

U1
AMC6821-Q1QSOP-16N

PWM

TACH
ŌVR

GND

C3
0.1uF

3.3V

THERM
FAN-FAULT

1	PWM-OUT	SCLK	16
2	TACH	SDA	15
3	ŌVR	SMBALERT	14
4	NC	A0	13
5	GND	A1	12
6	VDD	PWM-MODE	11
7	THERM	IN+	10
8	FAN-FAULT	IN-	9

SCL
SDA
SMBALERT

3.3V

JP0
JP1
JP2

GND

IN+
IN-

Pin Pull-ups

3.3V

R3 2.2k
R4 2.2k
R5 2.2k
R6 2.2k

SMBALERT
ŌVR
THERM
FAN-FAULT

Breakout Headers

J3

5	FAN-FAULT
4	TACH
3	PWM
2	IN-
1	IN+

J5

ŌVR

J6

THERM

J4

6	SMBALERT
5	SDA
4	SCL
3	GND
2	3V3
1	5V

5V to 3.3V

5V

U3

1	IN	OUT	5
3	EN		
2	GND	P4	4

3.3V

C1 10uF

AP2112K-3.3

C2 10uF

GND

Power LED (Optional)

3.3V

JP4

R7 1K

D1 GREEN

GND

tecsmith

open hardware

qwiic

amc6821-breakout-v3.0

not saved!

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20/7/21 9:20 AM f=0.74 /Users/vino/Documents/EAGLE/projects/arduino-fan-control symlink/amc6821-breakout-v3.0.sch (Sheet: 1/1)