HEADER

1-WIRE-IO

U1 DS28E17Q+

Pin	Name		Name	Pin
6	VDD		SDA	16
1	RESET		SCL	15
2	IO		AWAKE	12
3	WAKEUP		BUSY	13
5	ED		XD	14
4	SLEEP		REG18	7
8	GND		NC1	9
0	THERMAL		NC2	10
			NC3	11

R1 10k
R2 10k

SDA0
SCL0

C1 1uF/10V
C2 100nF
C3 1uF/10V

JP2 15EDGK-3.81-03P-14
JP1 15EDGRC-3.81-03P-14
1
2 → VDD
3 → VDD

GND

JP3 BC-HEADER-MODULE-SMT

Pin	Name	Name	Pin
1	P0/A0/TXD0	P17/SDA1	28
2	P1/A1/RXD0	P16/SCL1	27
3	P2/A2/TXD1	P15/CS	26
4	P3/A3/RXD1	P14/SCLK	25
5	P4/A4/DAC0	P13/MOSI	24
6	P5/A5/DAC1	P12/MISO	23
7	P6/RTS1	P11/TXD2	22
8	P7/CTS1	P10/RXD2	21
9	P8		
10	P9	INT	19
11	RESET	SDA0	18
12	BOOT	SCL0	17
		VDD	16 → VDD
		GND	15

SDA0
SCL0
GND

JP4 BCH-P-SMT-06.0-14
JP6 BCH-P-SMT-06.0-14-E-06
JP5 BCH-S-SMT-07.5-14-E-06
JP7 BCH-S-SMT-07.5-14

FD1 FD2 FD3 FD4 FD5 FD6

BIGCLOWN OPEN-SOURCE ELECTRONICS
WWW.BIGCLOWN.COM

1-WIRE SLAVE MODULE

REVISION: 1.2
MODIFIED: 13.4.2020 22:53
1/1