EAGLE Schematics & Board Layout Reference

#BYOG
AIS CUBE

LED1 (10)
R1
S2 (6)
R3
S1 (5)
R2
I2C

AIS CUBE
12GEEKS

IC2
IC1
UNDER THE HOOD
1

#BYOG
AIS CUBE

LED1 (10)
R1
S2 (6)
R3
S1 (5)
R2
I2C

AIS CUBE
12GEEKS

IC2
IC1
UNDER THE HOOD
1

U+
5V
GND
5V
GND

ARDUINO UNO R3

/RESET
3V
5V
GND2
GND1
VIN
A0
A1
A2
A3
A4/SDA
A5/SCL

SCL
SDA
AREF
GND
D13
D12
D11
D10
D9
D8
D7
D6
D5
D4
D3
D2
D1
D0

GND
LED1
R1
GND
D_OUT
CLK
LTH
PB2
PB1

SDA
SCL

5V
GND
1
2
3
4
SDA
SCL
I2C

5V
R2 10K
S1 PB_SMTFITTING
P$3 P$4
5V
PB1
R3 10K
S2 PB_SMTFITTING
P$3 P$4
PB2
GND

5V
IC1P
VCC GND
GND
5V

IC1
D_OUT   14 SER   QA 15
CLK   11 SCK   QB 1
         10 SCL   QC 2
LTH   12 RCK   QD 3
                   QE 4
                   QF 5
                   QG 6
                   QH 7
         13 G   QH* 9
74HC595N

U$1
ROW   COL
R1 9   C1 13
R2 1   C2 14
R3 2   C3 12
R4 3   C4 11
R5 4   C5 5
R6 5   C6 4
R7 6   C7 10
R8 7   C8 16

5V
IC2P
VCC GND
GND
5V

IC2
15 QA   SER 14
1   QB   SCK 11
2   QC   SGL 10
3   QD   RCK 12
4   QE
5   QF
6   QG
7   QH
D_IN 9   QH* G 13
74HC595N

CLK
LTH

GND
GND