PCF85063A REAL TIME CLOCK

C1 7pF
C2 7pF
GND
3V3
X1 32.768kHz
R3 10k
VCC
CLK_OE
INT

U2 PCF85063A
1 OSCI — VDD 10
2 OSCO — CLKOUT 9 — CLK_OUT
3 CLKOE — NC 8
4 INT — SCL 7 — SCL3,3
5 VSS — SDA 6 — SDA3,3

C3 100n
GND
R4 10k
GND

easyC CONNECTOR & HEADER

3V3
K3 easyC-SMD
3 3V3
1 SCL — SCL3,3
2 SDA — SDA3,3
4 GND
5 SHIELD
GND

3V3
K4 easyC-SMD
3 3V3
1 SCL — SCL3,3
2 SDA — SDA3,3
4 GND
5 SHIELD
GND

K2 HEADER_MALE_3X1
CLK_OE
CLK_OUT
INT

K5 HEADER_MALE_4X1
SCL5
SDA5
5V
GND

I2C LEVEL SHIFTER

SDA3,3
SDA_PULL3,3
SCL_PULL5
SCL5

U1 NMOS-DUAL
R1 10k — 1 S2 — D2 6 — R5 — SDA_PULL5
3V3 — 2 G2 — G1 5 — 3V3
R2 10k — 3 D1 — S1 4 — R6 10k — SCL_PULL3,3

SDA5
SCL3,3

5V
JP1
SDA_PULL5 — SCL_PULL5
3V3
JP2
SDA_PULL3,3 — SCL_PULL3,3

CR2032 HOLDER & DIODE

VCC
D2 M4_DIODA
3V3

VCC
D1 M4_DIODA
K1 CR2032_BS-6_HOLDER
GND

VOLTAGE REGULATOR

5V
JP4 SMD_JUMPER
3V3
JP3

U3 SE5218
1 VIN — VOUT 5
2 GND
3 EN — NC 4

C4 2u2
GND
C5 2u2
GND

FD1 FIDUCIAL
FD2 FIDUCIAL
H1 HOLE_3.2mm
H2 HOLE_3.2mm