MOUNTING HOLES

M1 HOLE M2 HOLE M3 HOLE M4 HOLE M5 HOLE M6 HOLE

J1
SM04B-GHS-TB
1
2 SCLin
3 SDAin
4
MP

+5V +3V3 +3V3 +3V3

R2 10k   R3 10k

U2
TCA4307
3 SCLin   SCLout 2
6 SDAin   SDAout 7
EN 1 EN
5 READY
8 VCC
4 GND

+3V3

+3V3 +3V3 +3V3 +5V

R4 180R   R5 10k   R6 10k

J3
SM04B-GHS-TB
SCLout 1
2
SDAout 3
4
MP

GND

GND

D3
LED RED

GND

GND

J2
SM04B-GHS-TB
1
2 SCLin
3 SDAin
4
MP

+5V

GND

J4
SM04B-GHS-TB
+5V
SCLout 1
2
SDAout 3
4
MP

GND

D1
LED GREEN

R1
180R

+5V

+5V

C1
10uF

C2
100nF

D2
BZX585-B5V6.115

U1
MIC5504-3.3YM5
1 VIN   VOUT 5
3 EN
2 GND

+3V3

C3
1uF

+3V3

C4
100nF

GND GND GND GND GND