TOUCH SENSING IC

U2

+5V

9 VDD
12 nRESET
13 NC
15 nCHANGE
11 SDA
14 SCL
10 MODE
8 VSS
21 EP

KEY11/GPO9 16 R1 10k   KEY11
KEY10/GPO8 17   10k   KEY10
KEY9/GPO7   18 R2 10k   KEY9
KEY8/GPO6   19   KEY8
KEY7/GPO5   20   KEY7
KEY6/GPO4   1   KEY6
KEY5/GPO3   2   KEY5
KEY4/GPO2   3   KEY4
KEY3/GPO1   4 R9 10k   KEY3
KEY2/GPO0   5 R10 10k   WHEEL2
KEY1   6 R11 10k   WHEEL1
KEY0   7 R12 10k   WHEEL0

AT42QT2120

nCHANGE
I2C_SDA
I2C_SCL

C1
100nF

STACKING CONNECTOR

U1   +5V

9
8
7   I2C_SCL
6   I2C_SDA
5   nCHANGE
4   LED_CAT
3   LED_CAT
2
FIX2 2
FIX1 1

CON_STACK_9

KEYPAD LEDS

KEY8
KEY5
KEY4
KEY10
KEY7
KEY6

R13 390 R14 390 R15 390 R16 390 R17 750 R18 750

D1 LED D2 LED D3 LED D4 LED D5 LED D6 LED D7 LED D8 LED D9 LED D10 LED

LED_CAT

KEYPAD

KEY9   P1
KEY11   P2
KEY3   P3
LED_CAT P4

WHEEL2 1
WHEEL1 2
WHEEL0 3

K1
CONN_3

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Title: M. Stephan — Mooltipass Touch Panel (Licensed under CERN OHL V1.2)
Size: A4 | Date: 21 jun 2014 | **Rev: 1**
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