+3.3V

R1
10K
XRST

U3
VS1053
VS1053_DCS 2   1 VS1053_CS
            4   3 DREQ
SPICLK3   6   5 MOSI3
MISO3   8   7
            10   9
            +5V   GND

+5V
C1   C2   C3   C10
100n 100n 100n 100n
GND

+3.3V
C5   C6
100n   100n
GND

AFFICHAGE

J1
MATRIX
CLK   5
CS   4
MOSI 3
      2
      1   GND

C11
10uF
+5V   GND

+5V
U2
74HC245
        2   A0   VCC   B0   18   SPICLK3
        3   A1   B1   17   Max7919_CS
        4   A2   B2   16   MOSI3
        5   A3   B3   15
        6   A4   B4   14
        7   A5   B5   13
        8   A6   B6   12
        9   A7   B7   11
                                 GND
        1   A->B
        19 CE   GND
GND
        10
GND

J4   J7
J5 J6 AUDIO
R   3   3
GBUF 1   2
L   1   1

TP3 +3.3V
+3.3V
          +5V
U1
          16   35
          3V3 VCC
     2 RST   IO_3/RXD   23
     4 IO_36/SVP/A0   IO_1/TXD   21
VS1053_DCS 6 IO_26/D0 IO_22/D1/SCL 25 DREQ
SPICLK3 8 IO_18/D5   IO_21/D2/SDA 27 LC1024_CS
MISO3   10 IO_19/D6   IO_17/D3   29 VS1053_CS
MOSI3   12 IO_23/D7   IO_16/D4   31 PSRAM_CS
Max7919_CS 14 IO_05/D8

J8
Conn_01x03
1
2
3
GND

+3.3V
R2
10K

MOSI2   18 IO_13/TCK   IO_15/TD0   37
SPI_WD 20 IO_10/SD3   IO_7/SD0   39 SPI_Q

        3 NC   IO_27   24 XRST
        5 IO_39/SVN   IO_25   26 PSRAM_CLK
        7 IO_35   IO_32   28
        9 IO_33   IO_12/TDI   30 MISO2
        11 IO_34   IO_04   32 QUAD_HD2
SPICLK2 13 IO_14/TMS   IO_00   34
        15 NC   IO_02   36 QUAD_WP2
SPI_HD 17 IO_09/SD2   IO_8/SD1   38 SPI_D
        19 IO11/CMD   IO_6/CLK   40
           1 22 33
           GND GND GND
           GND
mini_esp32

SolderJumper_2_Open
SPICLK3
JP2
SPICLK2

SolderJumper_2_Open
MOSI3
JP3
MOSI2

+3.3V
U6
VCC
CS   1   LC1024_CS
CLK 6
SIO3 7   QUAD_HD2
SIO2 3   QUAD_WP2
SI/SIO0 5
SO/SIO1 2   MISO2
VSS 4
23LCV1024
GND

JP1
SolderJumper_2_Open
MISO3

+3.3V
U5
VCC 8
CE   PSRAM_CS
SCLK   PSRAM_CLK
SIO3   SPI_HD
SIO2   SPI_WD
SI/SIO0   SPI_D
SO/SIO1   SPI_Q
DIP8
VSS 4
GND
ESP-PSRAM64H

Package_DIP:DIP-8_W7.62mm

ALIMENTATION +5V

J2
POWER
1
2
3

D1
1N4007
PWR_FLAG

PWR_FLAG
GND

C8
10uF
GND

U7
Mini360
1 DCin+   Out+ 3
2 DCin-   Out- 4
GND   GND

+5V
C9
10uF
GND

TP2
+5V
C7
100n
GND

TP1
GND
GND

U4
AP1117-50
3 VI   VO 2
   GND
   1
GND

U8
DC/DC
1 DCin+   Out+ 3
2 DCin-   Out- 4
GND   GND

C12
10uF
GND   GND

J3
ALIM
1
2
3