IC1
SST39SF040-70-4C-PHE
IC2
AS6C4008-55PCN
JP16
ROM Write Enabled
CS_ROM
CS_RAM
A[0..19]
D[0..7]
IC5A
74LS139N
IC3
Z80180PLCC68-S
JP9
DCD0
DREQ1
JP2
JP5
JP6
JP7
JP10
JP11
JP15
TXA
RXA
TXB
RXB
CLKA
CLKB
CLK2
X2
Oscillator
CLKS
X1
CLKX
IC4
74LS688N
I/O Write to 0000 11x0
IC5B
IO_0X0C
IO_0X0E
IC6B
IC6A
74LS74N
SD card enabled at reset
or when 0x0C bit 2 is low
SD_CARD
CS
SCK
MOSI
MISO
VCC
GND
SD Card
SD Card adapter
LED2
On
IC7
Can't Use original address 0xC0 with Z180
0xC0 is reserved
110000x0 0xC0
IC11A
IC11B
74LS32N
IC8
DS1302
CR2032
Q1
32.768 kHz
IC9A
IC9B
74LS125N
IC10
74LS174N
IC9C
IC9D
IC11C
IC11D
IC12
7805T
JACK
5V/9v
5V Direct Input
S1
5V POWER
LED1
On
R11
470
IC16A
IC16B
IC16C
IC16D
74LS00N
IC15
74LS138N
JP21
Enable Selector
CS | A15
REG
A14 | A3 | A2
A2 A3 A14 A15 A14 WR RD - BDIR BC1
0000h/8000h 0000h/8000h 0000h/8000h 1 0 0 1 Y4 1 0
0004h/8004h 0008h/8008h 4000h/C000h 1 1 0 1 Y5 1 1
0000h/8000h 0000h/8000h 0000h/8000h 1 0 1 0 Y2 0 0
0004h/8004h 0008h/8008h 4000h/C000h 1 1 1 0 Y3 0 1
Use A4 for Enable
JP19
IC17
JP18
PSG Addr
pin1 |8888888 00h / 10h
pin2 8|888888 80h / 90h
pin3 88|88888 40h / 50h
pin4 888|8888 C0h / D0h
pin5 8888|888 20h / 30h
pin6 88888|88 A0h / B0h
pin7 888888|8 60h / 70h
pin8 8888888| E0h / F0h
U2
AY-3-8910
JP20
Clk Div/Test
IOA[0..7]
IOB[0..7]
IOBAR
CH_A
CH_B
CH_C
R39
R40
R41
R42
R36
R37
R38
C24
C25
X4
PG203J
X5
Oscillator
SNDCLK
IC13
DS1233-5
JP3
S2
Reset
R1
R2
RESET
Baffa CPM SBC2
Apr/22
U1
RASPBERRY_PICOSMD-TH
S3
S4
S5
S6
RUN
D1
1N5817-R
VGAR
VGAG
VGAB
VGAHS
VGAVS
R3 8.06k
R4 2k
R5 499
R6 4.02k
R7 1k
R8 1k
R9 499
R10 1k
R12 8.06k
R15 4.02k
R16 2k
R17 1k
R18 499
R19 1k
R20 8.06k
R21 4.02k
R29 2k
R30 1k
R31 499
R34 10k
R35 22k
R32 47
R33 47
UART_TX
UART_RX
JP17
JP4
JP8
TX
RX
GND | 3v3 | 05 | 28 | 27 | 26 | 22 | 19 | 18 | VCC
X6
2560-
1 A0 41 RFSH
2 A1 42 RST2
3 A2 43 CLK2
4 A3 44 BUSACK
5 A4 45 HALT
6 A5 46 BUSRQ
7 A6 47 WAIT
8 A7 48 NMI
9 A8 49 -
10 A9 50 -
11 A10 51 -
12 A11 52 -
13 A12 53 -
14 A13 54 -
15 A14 55 -
16 A15 56 -
17 A16 57 TX2
18 A17 58 RX2
19 M1 59 INT1
20 A18 60 INT2
21 CLK
22 INT
23 MREQ
24 WR
25 RD
26 IORQ
27 D0
28 D1
29 D2
30 D3
31 D4
32 D5
33 D6
34 D7
35 TX
36 RX
37 A19
38 RST
39 GND
40 VCC 5v
PORT_A
GND/RTS/VCC/RX/TX/CTS
PORT_B
GND/GND/VCC/RX/TX/---
C14 C26 C8 C9 C10 C11 C12 C13 C1 C2 C3 C4 C5 C16 C19 C21 C22 C23 C6 C7
100nf