COMICROBOARD2
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C1 .1uF
C2 .1uF
C3 .1uF

Fiducial
Fiducial
Fiducial
Fiducial

Mounting Holes

BD1
Arduino

U1
MicronitePlus64

R1 10k
+3.3V

Pin assignments (left header U1):
1 / D / LCD.D5
2 / D / LCD.D6
3 / D / SPI2.CLK
4 / D / SPI2.OUT.MOSI
5 / D / ConsoleRx (IN) / COM4.Rx
6 / D / SPI1.OUT.MOSI / INT
7 RESET
8 / D / SPI1.OUT.MOSI / INT
9 Vcc (3.3V)
10 GND
11 / D / COM2Tx / INT
12 / D / COM2Rx / INT
13 SPI2.CLK
14 / D / COM1Tx / INT
15 / D / COM3Tx / INT
16 / D / COM3Rx / INT
17 / D / INT
18 / D / INT
19 ANALOG Vcc (3.3V)
20 ANALOG GND
21 / D / LCD.CS / INT
22 / D / COUNT / INT
23 / D / COUNT / INT
24 / D / LCD.WR / INT
25 GND
26 Vcc (3.3V)
27 / D / LCD.RS / INT
28 / D / LCD.RESET / INT
29 / D / COM1En / INT
30 / D / INT
31 / S / I2C2.SDA / INT
32 / S / I2C2.SCL / INT
33 / D (in only) / S / INT
34 USB +5V
35 Vcc (3.3V)
36 USB D-
37 USB D+
38 Vcc (3.3V)
39 XTAL
40 XTAL
41 / S / PWM1B
42 / S / I2C1.SDA
43 / S / I2C1.SCL
44 / S / SPI1.IN.MISO
45 / S / SPI1.IN.MISO
46 / S / COUNT / WAKEUP / IR
47 / S / SPI2.IN.MISO / PWM2B
48 / S / PWM1A
49 / D / COUNT
50 SPI1.CLK
51 / S / COUNT
52 / S / COUNT
53 PWM2A
54 PWM2B
55 / S / KBD.CLK / INT
56 / S / KBD.DAT / INT
57 CAPACITOR
58 / S / COM4Tx / ConsoleTX (OUT)
59 COM1Rx
60 / S / LCD.D0
61 / S / LCD.D1
62 / S / LCD.D2
63 / S / PWM1C
64 / S / LCD.D4

J17 PS/2
4 5V
3 GND
2 PS/2 DATA
1 PS/2 CLK

J1 SDmicro2
13 CardDet
12
11 FRAME
10 FRAME
9 DAT1/RSV
8
7 DAT0/DO
6 Vss
5 CLK
4 Vdd
3 CMD/DI
2 CD/DAT3/CS
1 DAT2/NC

J16
3 COM4Rx
2 GND
1 COM4Tx

J15
14 T.IRQ
13 T.DO
12 T.DIN
11 T.CS
10 T.CLK
9 SDO.MISO
8 LED
7 SCK
6 SDI.MOSI
5 D/C
4 RESET
3 CS
2 GND
1 Vcc

J14
J13
J12
J11
J10
J9
J8
J7
J6
J5
J4
J3
J2

Arduino pins:
33 SCL
32 SDA
31 AREF
30 GND
29 D13
28 D12
27 D11
26 D10
25 D9
24 D8
23 D7
22 D6
21 D5
20 D4
19 D3
18 D2
17 D1 TX
16 D0 RX
15 A5
14 A4
13 A3
12 A2
11 A1
10 A0
9
8 VIN
7 GND
6 GND
5 5V
4 3.3V
3 RESET
2
1

D1 GS1B
J18 Jack
DC Power Jack
VIN

VR1
Vin Vout
GND
C4 .1uF
C5 .1uF
GND

PWR from Jack
PWR from USB
J19
PWRsel

LED1
R2 1000
+3.3V
Vin Vout
GND
C6 4.7uF
C7 4.7uF
GND

U2
SP0503BA
GND

J20 microUSB
VBUS 1
D- 2
D+ 3
ID 4
GND 5

20 MHz
C8 22pF
C9 22pF
C10 47uF