USB

D2
1N5819S

C17
47p

C16
47p

R1
1.5K
3.3V

C11
10uF/16V
VIN

UR1
LM1117
IN   OUT
ADJ/GND

R9
390/1%

R10
240/1%

C13
47uF/6.3V
3.3V

R7
56Ω
PWR
3.3

U2
MCP130T
VCC   RESET
GND

R8
2K
RST

RESET
3.3V

VIN
3.3V

EXT2-17
EXT2-18
EXT2-19
EXT2-20

3.3V
Cn100K

6NC2-4MHz
VSS
VDD
OUT   E/D
CLK

R12

C3
100n

C15
10uF/6.3VDC

C14
100n
U18BKP

C1
22p
22p

Q1
32768Hz

3.3V

3.3V

C8
100n

C7
100n

C6
100n

C5
100n

C12
1uF/6.3VDC

C4
33n

C9
100n

R19
33K

STNBY

R18
100K
3.3V

COPYRIGHT (C) 2005, OLIMEX LTD
http://www.olimex.com/dev

U1
STR711F

/RSTIN
/STDBY
BOOTEN
TEST
CK
NU
RTCXTI
RTCXTO
VSSA
VDDA
V18_1
V18BKP
VSS18_1
VSS18_2
V33IO-PLL_2
VSS10-PLL_2
VSS10-PLL_1
V33IO-PLL_1
V33_2
V33_1
VSS_5
VSS_4
VSS_3
VSS_2
VSS_1
USBDKP

P0.0/S0.MISO/U3.TX
P0.1/S0.MOSI/U3.RX
P0.2/S0.SCLK/U3.RX
P0.3/S0.SS/U1.S0N
P0.4/S1.MISO
P0.5/S1.MOSI
P0.6/S1.SCLK
P0.7/S1.SS
P0.8/U0.RX/U0.TX
P0.9/U0.TX/U0.TX
P0.10/U1.RX/U1.TX/SC.DATA
P0.11/BOOT1/U1.TX
P0.12/SC.CLK
P0.13/U2.RX/U2.TX
P0.14/U2.TX/T2.ICAPA
P0.15/WAKE-UP
P1.0/T3.OCMPB/AIN0
P1.1/T3.ICAPA/T3.EXTCLK/AIN1
P1.2/T3.OCMPA/AIN2
P1.3/T3.ICAPB/AIN3
P1.4/T1.ICAPA/T1.EXTCLK
P1.5/T1.SCLK
P1.6/T1.OCMPB
P1.7/T1.OCMPA
P1.8
P1.9
P1.10/USBCLK
P1.13/HCLK/I0.SCL
P1.14/HRXD/I0.SDA
P1.15/HTXD

STB
BOOTEN
U18
U18BKP

/JTRST
JTDI
JTMS
JTCK
JTDO

EXT2-16
EXT2-15
EXT2-14
EXT2-13

RST

R11
47K

T1
BC846

R17
10K

R2
22K

R3
47K

T2
BC846

C10
10n

3.3V

R5
10K
R6
10K
R13
10K
3.3V

JTAG

R4
330
LED
RED
3.3V
LED_E

EXT1

P0.1	1	0	P0.0
P0.3	3	2	P0.2
P0.5	5	4	P0.4
P0.7	7	6	P0.6
P0.9	9	8	P0.8
P0.11	11	10	P0.10
P0.13	13	12	P0.12
P0.15	15	14	P0.14
P1.1	17	16	P1.0
P1.3	19	18	P1.2

EXT2

GND	38	39	nRST
5V-USB	36	37	3.3V
BOOTEN	34	35	STB
V1.8BKP	32	33	1.8V
P1.14	30	31	P1.15
DN	28	29	CLK
P1.10	26	27	DP
P1.8	24	25	P1.9
P1.6	22	23	P1.7
P1.4	20	21	P1.5

The pin numbers are printed on the top silkscreen, the above drawings are with TOP view of the board

The distance between the headers is 1"