USB

18pF
C3
Q1
18pF
C4
12Mhz

T1
DTA114EET1G (2 X 10K)

PIO0_6-CONNECT

+3V3

USB-5V

R1
1K5

R2   10K
PIO0_3-VBUS

VBUS
D-
D+
ID
GND

J1
USB

VBUSDMO
DMI
DPI
GND DPO

U2
NUF2042XV6T1G

USB_DM
USB_DP

MCU

+3V3
R5
10K

XTALIN
XTLOUT

RESET/PIO0_0
CLKOUT/CT32B0_MAT2/USB_FTOGGLE/PIO0_1
SSEL0/CT16B0_CAP0/PIO0_2
USB_VBUS/PIO0_3
SCL/PIO0_4
SDA/PIO0_5
USB_CONNECT/SCK0/PIO0_6
CTS/PIO0_7

MISO0/CT16B0_MAT0/PIO0_8
MOSI0/CT16B0_MAT1/PIO0_9
SWCLK/SCK0/CT16B0_MAT2/PIO0_10
TD/AD0/CT32B0_MAT3/PIO0_11
TMS/AD1/CT32B1_CAP0/PIO0_12
TDO/AD2/CT32B1_MAT0/PIO0_13
TRST/AD3/CT32B1_MAT1/PIO0_14
SWDIO/AD4/CT32B1_MAT2/PIO0_15

AD5/CT32B1_MAT3/WAKEUP/PIO0_16
RTS/CT32B0_CAP0/SCLK/PIO0_17
RXD/CT32B0_MAT0/PIO0_18
TXD/CT32B0_MAT1/PIO0_19
CT16B1_CAP0/PIO0_20
CT16B1_MAT0/MOSI1/PIO0_21
AD6/CT16B1_MAT1/MISO1/PIO0_22
AD7/PIO0_23

DCD/CT16B0_MAT2/SCK1/PIO1_15
DTR/SSEL1/PIO1_19

USB_DM   13
USB_DP   14

+3V3
VDD   6
C5
0.1uF

+3V3
VDD   29
C6
0.1uF

GND

U3   LPC11U35FHI33/501

PIO0_0-RESET   TP20
PIO0_1-ISP_EN   TP17
PIO0_2   TP22
PIO0_3-VBUS   TP25
PIO0_4   TP23
PIO0_5   TP26
PIO0_6-CONNECT   TP2
PIO0_7   TP3
PIO0_8   TP4
PIO0_9-SWDO   TP5
PIO0_10-SWDCLK   TP24
PIO0_11   TP7
PIO0_12   TP8
PIO0_13   TP9
PIO0_14   TP10
PIO0_15-SWDIO   TP11
PIO0_16   TP12
PIO0_17   TP15
PIO0_18   TP16
PIO0_19   TP18
PIO0_20-LED1   TP21
PIO0_21   TP1
PIO0_22   TP6
PIO0_23   TP13
PIO1_15   TP14
PIO1_19   TP19

+3V3 USB-5V
TP30
TP27
EXT-VIN   TP29
TP28

POWER

USB-5V

D3
BAS40-05

EXT-VIN   1

U1
MCP1754ST-3302E/CB

VIN   VIN VOUT   VOUT   +3V3
GND

C1
1u

C2
1u

SWD DEBUGGER PORT (OPTIONAL)

+3V3

J2
SWD HEADER

R4   +3V3
10K

PIO0_15-SWDIO
PIO0_10-SWDCLK
PIO0_9-SWDO
PIO0_0-RESET

R3
10K

USER INTERFACE

+3V3

R6
1K5
PWR
D2
GRN

PIO0_20-LED1

R7
10K
LED1
D1
RED

+3V3
C7
0.1uF

PIO0_1-ISP_EN

D4
BAS40-05

PIO0_0-RESET

ISP
S1

RST
S2

* Early boards had the LED
  connected to PIO0_7.

OSH. Share alike and attributions are optional. Commercial use ok.

ARM PRO MINI

TITLE: arm-pro-mini

Document Number:

REV:
3B

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