IC6 — LPC313XFET180

+3V3 C9 100nF GND

USB_VDDA33
USB_VDDA33_DRV
USB_VDDA12_PLL
USB_VBUS
USB_DM
USB_DP
USB_ID
USB_RREF
USB_VSSA_REF
USB_VSSA_TERM
USB_GNDA
I2C_SDA0
I2C_SCL0
I2C_SDA1
I2C_SCL1
SPI_CS_OUT0
SPI_SCK
SPI_MISO
SPI_CS_IN
SPI_MOSI
UART_RXD
UART_TXD
MUART_CTS_N
MUART_RTS_N
I2SRX_DATA1
I2SRX_BCK1
I2SRX_WS1
I2SRX_DATA0
I2SRX_BCK0
I2SRX_WS0
MI2STX_DATA0
MI2STX_BCK0
MI2STX_WS0
MI2STX_CLK0
I2STX_DATA1
I2STX_BCK1
I2STX_WS1

TRST_N, TDI, TMS, TCK, ARM_TDO, SCAN_TDO, BUF_TRST_N, BUF_TCK, BUF_TMS, JTAGSEL
FFAST_IN, FFAST_OUT
CLK_256FS_O, CLOCK_OUT, SYSCLK_O
RSTIN_N
GPIO0–GPIO4
MGPIO5–MGPIO10
GPIO11–GPIO20
PWM_DATA
ADC10B_GPA0–ADC10B_GPA3

R9 10K, C3 100nF, R11 12K 1%, R1 10K, R12 10K, R17 10K
Q1 SX-32 12.000 MHz, C43 22pF, C41 22pF

IC6 — LPC313XFET180
VDDI, VDDE_ESD, VDDE_IOA, VDDE_IOB, VDDE_IOC, VPP_A, VPP_B, VDDA12, ADC10B_VDDA33
VSSI, VSSE_IOA, VSSE_IOB, VSSE_IOC, VSSA12, ADC10B_GNDA
C21 10uF, C32 10uF, C33 100nF, C31 3.3nF, R19 10K

IC6 — LPC313XFET180
EBI_D_0 – EBI_D_15
EBI_DQM_0_NOE
EBI_NWE
NAND_NCS_0 – NAND_NCS_3
MNAND_RYBN0 – MNAND_RYBN3
MLCD_DB_0 – MLCD_DB_15
EBI_A_0_ALE, EBI_A_1_CLE
MLCD_RS, MLCD_RW_WR, MLCD_E_RD, MLCD_CSB
EBI_NCAS_BLOUT_0, EBI_NRAS_BLOUT_1

IC5 — A43E26161TSOPII
A0–A12, BA0, BA1
DQ0–DQ15
LDQM, UDQM, CLK, CKE, CAS#, RAS#, WE#, CS#
VSSE_IOC, VDDE_IOC
C6 100nF

U1 — SD Memory Card (DM3D-SF)
LPC_MCI_DAT2, LPC_MCI_DAT3, LPC_MCI_CMD, LPC_MCI_CLK, LPC_MCI_DAT0, LPC_MCI_DAT1, SW_A, SW_B
10KN RUA5 resistor network

FID1 Fiducial
FID5 Fiducial

UART zum Debuggen

embedded projects GmbH
Holzbachstraße 4
D-86152 Augsburg

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FID3
SMD SCHABLONE

FID2
SMD SCHABLONE

FID4
SMD SCHABLONE

L3
4u7

C1
10uF

+3V3

GND

3V3

R5
301K

C8
22pF

VOUT/VFB
5

1 EN
3 SW
2 GND VIN

GND

GND

R6
66K5

GND

C4
4.7uF

GND

L2
4u7

C2
10uF

GND

1V2

R3
301K

C7
22pF

VOUT/VFB
5

1 EN
3 SW
2 GND VIN 4

GND

R4
301K

GND

C5
4.7uF

GND

C37
10uF

C35
100nF

C36
3.3nF

GND

+1V2/1.??

5V

GND

5V

3V3

1V2

SV2

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20

GPIO3/1.??
GPIO11/1.??
GPIO13/1.??
GPIO15/1.??
LPC_RXD/1.??
USB_DP/1.??
USB_VBUS/1.??

GND GND +3V3 GND

5V

GPIO4/1.??
GPIO12/1.??
GPIO14/1.??
GPIO16/1.??
LPC_TXD/1.??
USB_DM/1.??
USB_ID/1.??

C10
100nF

+3V3

GND

RESET/1.??

SV3

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20

GPIO1/1.??
GPA0/1.??
GPA2/1.??
I2C_SCL/1.??
SPI_MISO/1.??
SPI_SCK/1.??
GPIO17/1.??
GPIO19/1.??

+3V3

GND

GPIO0/1.??
GPIO2/1.??
GPA1/1.??
GPA3/1.??
I2C_SDA/1.??
SPI_MOSI/1.??
PWM_DATA/1.??
GPIO18/1.??
GPIO20/1.??

5V

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