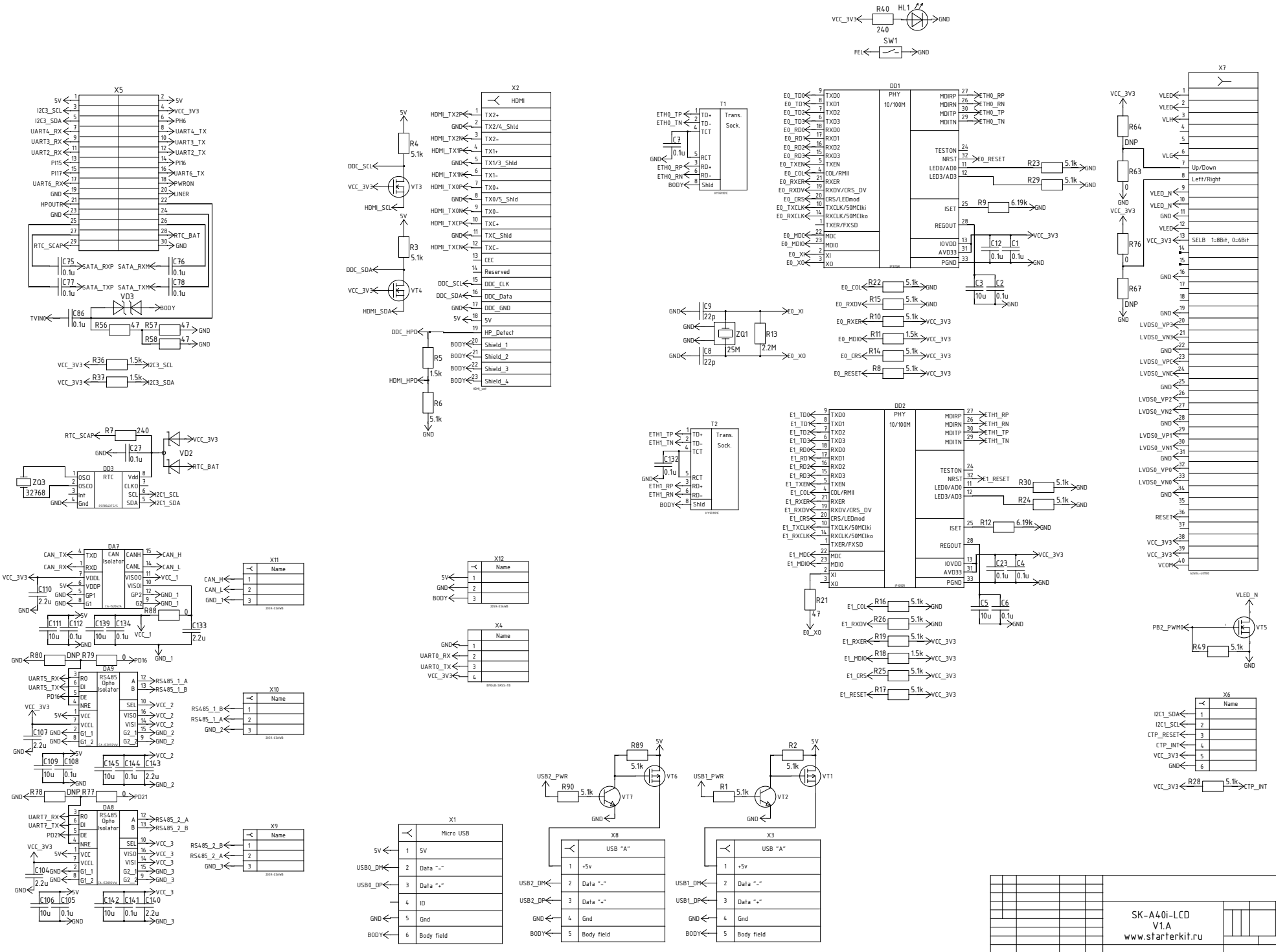
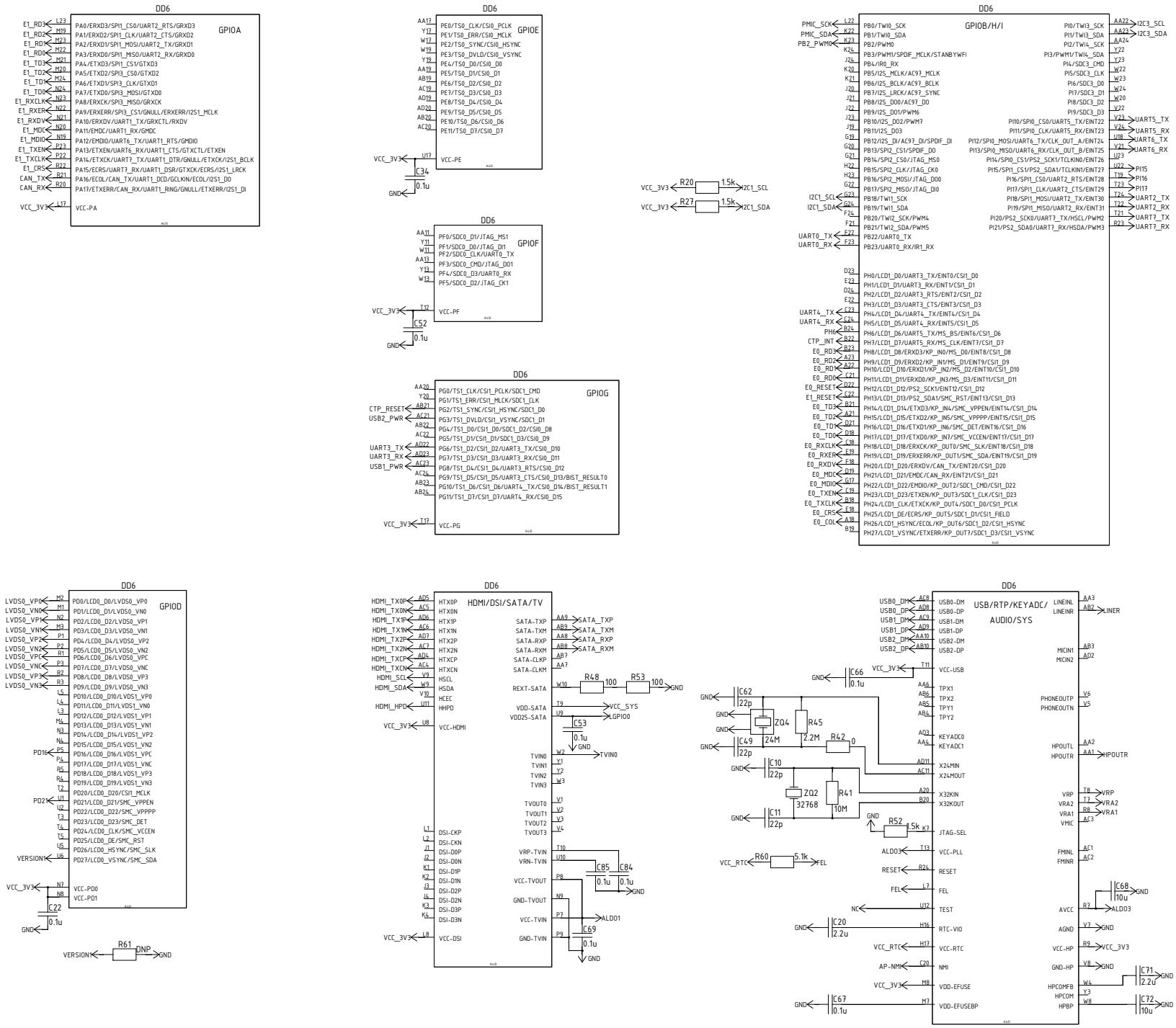

R40
HL1
240
VCC_3V3
GND
SW1
FEL
X5
5V
I2C3_SCL
I2C3_SDA
UART4_RX
UART3_RX
UART2_RX
PI15
PI17
UART6_RX
GND
HPOUTR
RTC_SCAP
VCC_3V3
PH6
UART4_TX
UART3_TX
UART2_TX
PI16
UART6_TX
PWRON
LINER
RTC_BAT
C75
C76
C77
C78
SATA_RXP
SATA_RXM
SATA_TXP
SATA_TXM
VD3
BODY
TVIND
C86
R56
R57
R58
R36
R37
X2
HDMI
HDMI_TX2P
HDMI_TX2N
HDMI_TX1P
HDMI_TX1N
HDMI_TX0P
HDMI_TX0N
HDMI_TXCP
HDMI_TXCN
TX2+
TX2/4_Shld
TX2-
TX1+
TX1/3_Shld
TX1-
TX0+
TX0/5_Shld
TX0-
TXC+
TXC_Shld
TXC-
CEC
Reserved
DDC_CLK
DDC_Data
DDC_GND
HP_Detect
Shield_1
Shield_2
Shield_3
Shield_4
R4
R3
DDC_SCL
DDC_SDA
HDMI_SCL
HDMI_SDA
VT3
VT4
DDC_HPD
HDMI_HPD
R5
R6
T1
Trans.
Sock.
ETH0_TP
ETH0_TN
ETH0_RP
ETH0_RN
C7
DD1
PHY
10/100M
TXD0
TXD1
TXD2
TXD3
RXD0
RXD1
RXD2
RXD3
TXEN
COL/RMII
RXER
RXDV/CRS_DV
CRS/LEDmod
TXCLK/50MClki
RXCLK/50MClko
TXER/FXSD
MDC
MDIO
XI
XO
MDIRP
MDIRN
MDITP
MDITN
TESTON
NRST
LED0/AD0
LED3/AD3
ISET
REGOUT
IOVDD
AVDD33
PGND
R9
R23
R29
C12
C1
C3
C2
R22
R15
R10
R11
R14
R8
C9
C8
ZQ1
R13
X7
VLED
VLH
VLG
Up/Down
Left/Right
VLED_N
SELB 1=8Bit, 0=6Bit
LVDS0_VP3
LVDS0_VN3
LVDS0_VPC
LVDS0_VNC
LVDS0_VP2
LVDS0_VN2
LVDS0_VP1
LVDS0_VN1
LVDS0_VP0
LVDS0_VN0
RESET
VCOM
R64
R63
R76
R67
DNP
RTC_SCAP
R7
240
C27
VD2
RTC_BAT
DD3
RTC
OSCI
OSCO
Int
Gnd
Vdd
CLKO
SCL
SDA
I2C1_SCL
I2C1_SDA
ZQ3
32768
DA7
CAN Isolator
TXD
RXD
VDDL
VDDP
GP1
G1
CANH
CANL
VISO0
VISO1
GP2
G2
CAN_H
CAN_L
VCC_1
GND_1
C110
C111
C112
C139
C134
C133
R88
X11
Name
DA9
RS485 Opto Isolator
RO
DI
DE
NRE
VCC
VCCL
G1_1
G1_2
A
B
SEL
VISO
VISI
G2_1
G2_2
RS485_1_A
RS485_1_B
GND_2
C107
C109
C108
C145
C144
C143
R80
DNP R79
PD16
X10
R78
DNP R77
PD21
DA8
UART7_RX
UART7_TX
PD21
RS485_2_A
RS485_2_B
GND_3
C104
C106
C105
C142
C141
C140
X9
X12
X4
UART0_RX
UART0_TX
VCC_3V3
DD2
E1_TD0
E1_TD1
E1_TD2
E1_TD3
E1_RD0
E1_RD1
E1_RD2
E1_RD3
E1_TXEN
E1_COL
E1_RXER
E1_RXDV
E1_CRS
E1_TXCLK
E1_RXCLK
E1_MDC
E1_MDIO
E0_XI
E0_XO
ETH1_TP
ETH1_TN
ETH1_RP
ETH1_RN
C132
T2
E1_RESET
R30
R24
R12
C23
C4
C5
C6
R21
R16
R26
R19
R18
R25
R17
VLED_N
PB2_PWM0
VT5
R49
X6
I2C1_SDA
I2C1_SCL
CTP_RESET
CTP_INT
R28
CTP_INT
R89
R90
R2
R1
USB2_PWR
USB1_PWR
VT6
VT7
VT1
VT2
X1
Micro USB
USB0_DM
USB0_DP
ID
Data "-"
Data "+"
Gnd
Body field
X8
USB "A"
+5v
USB2_DM
USB2_DP
X3
USB1_DM
USB1_DP
SK-A40i-LCD
V1.A
www.starterkit.ru


DD6
GPIO0A
PA0/ERXD3/SPI1_CS0/UART2_RTS/GRXD3
PA1/ERXD2/SPI1_CLK/UART2_CTS/GRXD2
PA2/ERXD1/SPI1_MOSI/UART2_TX/GRXD1
PA3/ERXD0/SPI1_MISO/UART2_RX/GRXD0
PA4/ETXD3/SPI1_CS1/GTXD3
PA5/ETXD2/SPI3_CS0/GTXD2
PA6/ETXD1/SPI3_CLK/GTXD1
PA7/ETXD0/SPI3_MOSI/GTXD0
PA8/ERXCK/SPI3_MISO/GRXCK
PA9/ERXERR/SPI3_CS1/GNULL/ERXERR/I2S1_MCLK
PA10/ERXDV/UART1_TX/GRXCTL/RXDV
PA11/EMDC/UART1_RX/GMDC
PA12/EMDIO/UART6_TX/UART1_RTS/GMDIO
PA13/ETXEN/UART6_RX/UART1_CTS/GTXCTL/ETXEN
PA14/ETXCK/UART7_TX/UART1_DTR/GNULL/ETXCK/I2S1_BCLK
PA15/ECRS/UART7_RX/UART1_DSR/GTXCK/ECRS/I2S1_LRCK
PA16/ECOL/CAN_TX/UART1_DCD/GCLKIN/ECOL/I2S1_DO
PA17/ETXERR/CAN_RX/UART1_RING/GNULL/ETXERR/I2S1_DI
VCC-PA
E1_RD3
E1_RD2
E1_RD1
E1_RD0
E1_TD3
E1_TD2
E1_TD1
E1_TD0
E1_RXCLK
E1_RXER
E1_RXDV
E1_MDC
E1_MDIO
E1_TXEN
E1_TXCLK
E1_CRS
CAN_TX
CAN_RX
VCC_3V3
DD6
GPIO0E
PE0/TS0_CLK/CSI0_PCLK
PE1/TS0_ERR/CSI0_MCLK
PE2/TS0_SYNC/CSI0_HSYNC
PE3/TS0_DVLD/CSI0_VSYNC
PE4/TS0_D0/CSI0_D0
PE5/TS0_D1/CSI0_D1
PE6/TS0_D2/CSI0_D2
PE7/TS0_D3/CSI0_D3
PE8/TS0_D4/CSI0_D4
PE9/TS0_D5/CSI0_D5
PE10/TS0_D6/CSI0_D6
PE11/TS0_D7/CSI0_D7
VCC-PE
VCC_3V3
C34
0.1u
GND
DD6
GPIO0F
PF0/SDC0_D1/JTAG_MS1
PF1/SDC0_D0/JTAG_DI1
PF2/SDC0_CLK/UART0_TX
PF3/SDC0_CMD/JTAG_DO1
PF4/SDC0_D3/UART0_RX
PF5/SDC0_D2/JTAG_CK1
VCC-PF
VCC_3V3
C52
0.1u
GND
DD6
GPIO0G
PG0/TS1_CLK/CSI1_PCLK/SDC1_CMD
PG1/TS1_ERR/CSI1_MLCK/SDC1_CLK
PG2/TS1_SYNC/CSI1_HSYNC/SDC1_D0
PG3/TS1_DVLD/CSI1_VSYNC/SDC1_D1
PG4/TS1_D0/CSI1_D0/SDC1_D2/CSI0_D8
PG5/TS1_D1/CSI1_D1/SDC1_D3/CSI0_D9
PG6/TS1_D2/CSI1_D2/UART3_TX/CSI0_D10
PG7/TS1_D3/CSI1_D3/UART3_RX/CSI0_D11
PG8/TS1_D4/CSI1_D4/UART3_RTS/CSI0_D12
PG9/TS1_D5/CSI1_D5/UART3_CTS/CSI0_D13/BIST_RESULT0
PG10/TS1_D6/CSI1_D6/UART4_TX/CSI0_D14/BIST_RESULT1
PG11/TS1_D7/CSI1_D7/UART4_RX/CSI0_D15
VCC-PG
CTP_RESET
USB2_PWR
UART3_TX
UART3_RX
USB1_PWR
VCC_3V3
R20
1.5k
I2C1_SCL
R27
1.5k
I2C1_SDA
DD6
GPIO0B/H/I
PB0/TWI0_SCK
PB1/TWI0_SDA
PB2/PWM0
PB3/PWM1/SPDIF_MCLK/STANBYWFI
PB4/IR0_RX
PB5/I2S_MCLK/AC97_MCLK
PB6/I2S_BCLK/AC97_BCLK
PB7/I2S_LRCK/AC97_SYNC
PB8/I2S_DO0/AC97_DO
PB9/I2S_DO1/PWM6
PB10/I2S_DO2/PWM7
PB11/I2S_DO3
PB12/I2S_DI/AC97_DI/SPDIF_DI
PB13/SPI2_CS1/SPDIF_DO
PB14/SPI2_CS0/JTAG_MS0
PB15/SPI2_CLK/JTAG_CK0
PB16/SPI2_MOSI/JTAG_DO0
PB17/SPI2_MISO/JTAG_DI0
PB18/TWI1_SCK
PB19/TWI1_SDA
PB20/TWI2_SCK/PWM4
PB21/TWI2_SDA/PWM5
PB22/UART0_TX
PB23/UART0_RX/IR1_RX
PI0/TWI3_SCK
PI1/TWI3_SDA
PI2/TWI4_SCK
PI3/PWM1/TWI4_SDA
PI4/SDC3_CMD
PI5/SDC3_CLK
PI6/SDC3_D0
PI7/SDC3_D1
PI8/SDC3_D2
PI9/SDC3_D3
PI10/SPI0_CS0/UART5_TX/EINT22
PI11/SPI0_CLK/UART5_RX/EINT23
PI12/SPI0_MOSI/UART6_TX/CLK_OUT_A/EINT24
PI13/SPI0_MISO/UART6_RX/CLK_OUT_B/EINT25
PI14/SPI0_CS1/PS2_SCK1/TCLKIN0/EINT26
PI15/SPI1_CS1/PS2_SDA1/TCLKIN1/EINT27
PI16/SPI1_CS0/UART2_RTS/EINT28
PI17/SPI1_CLK/UART2_CTS/EINT29
PI18/SPI1_MOSI/UART2_TX/EINT30
PI19/SPI1_MISO/UART2_RX/EINT31
PI20/PS2_SCK0/UART7_TX/HSCL/PWM2
PI21/PS2_SDA0/UART7_RX/HSDA/PWM3
PH0/LCD1_D0/UART3_TX/EINT0/CSI1_D0
PH1/LCD1_D1/UART3_RX/EINT1/CSI1_D1
PH2/LCD1_D2/UART3_RTS/EINT2/CSI1_D2
PH3/LCD1_D3/UART3_CTS/EINT3/CSI1_D3
PH4/LCD1_D4/UART4_TX/EINT4/CSI1_D4
PH5/LCD1_D5/UART4_RX/EINT5/CSI1_D5
PH6/LCD1_D6/UART5_TX/MS_BS/EINT6/CSI1_D6
PH7/LCD1_D7/UART5_RX/MS_CLK/EINT7/CSI1_D7
PH8/LCD1_D8/ERXD3/KP_IN0/MS_D0/EINT8/CSI1_D8
PH9/LCD1_D9/ERXD2/KP_IN1/MS_D1/EINT9/CSI1_D9
PH10/LCD1_D10/ERXD1/KP_IN2/MS_D2/EINT10/CSI1_D10
PH11/LCD1_D11/ERXD0/KP_IN3/MS_D3/EINT11/CSI1_D11
PH12/LCD1_D12/PS2_SCK1/EINT12/CSI1_D12
PH13/LCD1_D13/PS2_SDA1/SMC_RST/EINT13/CSI1_D13
PH14/LCD1_D14/ETXD3/KP_IN4/SMC_VPPEN/EINT14/CSI1_D14
PH15/LCD1_D15/ETXD2/KP_IN5/SMC_VPPPP/EINT15/CSI1_D15
PH16/LCD1_D16/ETXD1/KP_IN6/SMC_DET/EINT16/CSI1_D16
PH17/LCD1_D17/ETXD0/KP_IN7/SMC_VCCEN/EINT17/CSI1_D17
PH18/LCD1_D18/ERXCK/KP_OUT0/SMC_SLK/EINT18/CSI1_D18
PH19/LCD1_D19/ERXERR/KP_OUT1/SMC_SDA/EINT19/CSI1_D19
PH20/LCD1_D20/ERXDV/CAN_TX/EINT20/CSI1_D20
PH21/LCD1_D21/EMDC/CAN_RX/EINT21/CSI1_D21
PH22/LCD1_D22/EMDIO/KP_OUT2/SDC1_CMD/CSI1_D22
PH23/LCD1_D23/ETXEN/KP_OUT3/SDC1_CLK/CSI1_D23
PH24/LCD1_CLK/ETXCK/KP_OUT4/SDC1_D0/CSI1_PCLK
PH25/LCD1_DE/ECRS/KP_OUT5/SDC1_D1/CSI1_FIELD
PH26/LCD1_HSYNC/ECOL/KP_OUT6/SDC1_D2/CSI1_HSYNC
PH27/LCD1_VSYNC/ETXERR/KP_OUT7/SDC1_D3/CSI1_VSYNC
PMIC_SCK
PMIC_SDA
PB2_PWM0
I2C1_SCL
I2C1_SDA
UART0_TX
UART0_RX
UART4_TX
UART4_RX
CTP_INT
I2C3_SCL
I2C3_SDA
UART5_TX
UART5_RX
UART6_TX
UART6_RX
UART2_TX
UART2_RX
UART7_TX
UART7_RX
DD6
GPIO0D
PD0/LCD0_D0/LVDS0_VP0
PD1/LCD0_D1/LVDS0_VN0
PD2/LCD0_D2/LVDS0_VP1
PD3/LCD0_D3/LVDS0_VN1
PD4/LCD0_D4/LVDS0_VP2
PD5/LCD0_D5/LVDS0_VN2
PD6/LCD0_D6/LVDS0_VPC
PD7/LCD0_D7/LVDS0_VNC
PD8/LCD0_D8/LVDS0_VP3
PD9/LCD0_D9/LVDS0_VN3
PD10/LCD0_D10/LVDS1_VP0
PD11/LCD0_D11/LVDS1_VN0
PD12/LCD0_D12/LVDS1_VP1
PD13/LCD0_D13/LVDS1_VN1
PD14/LCD0_D14/LVDS1_VP2
PD15/LCD0_D15/LVDS1_VN2
PD16/LCD0_D16/LVDS1_VPC
PD17/LCD0_D17/LVDS1_VNC
PD18/LCD0_D18/LVDS1_VP3
PD19/LCD0_D19/LVDS1_VN3
PD20/LCD0_D20/CSI1_MCLK
PD21/LCD0_D21/SMC_VPPEN
PD22/LCD0_D22/SMC_VPPPP
PD23/LCD0_D23/SMC_DET
PD24/LCD0_CLK/SMC_VCCEN
PD25/LCD0_DE/SMC_RST
PD26/LCD0_HSYNC/SMC_SLK
PD27/LCD0_VSYNC/SMC_SDA
VCC-PD0
VCC-PD1
LVDS0_VP0
LVDS0_VN0
LVDS0_VP1
LVDS0_VN1
LVDS0_VP2
LVDS0_VN2
LVDS0_VPC
LVDS0_VNC
LVDS0_VP3
LVDS0_VN3
PD16
PD21
VERSION1
VCC_3V3
C22
0.1u
GND
R61
DNP
VERSION1
GND
DD6
HDMI/DSI/SATA/TV
HTX0P
HTX0N
HTX1P
HTX1N
HTX2P
HTX2N
HTXCP
HTXCN
HSCL
HSDA
HCEC
HHPD
VCC-HDMI
HDMI_TX0P
HDMI_TX0N
HDMI_TX1P
HDMI_TX1N
HDMI_TX2P
HDMI_TX2N
HDMI_TXCP
HDMI_TXCN
HDMI_SCL
HDMI_SDA
HDMI_HPD
VCC_3V3
DSI-CKP
DSI-CKN
DSI-D0P
DSI-D0N
DSI-D1P
DSI-D1N
DSI-D2P
DSI-D2N
DSI-D3P
DSI-D3N
VCC-DSI
SATA-TXP
SATA-TXM
SATA-RXP
SATA-RXM
SATA-CLKP
SATA-CLKM
REXT-SATA
VDD-SATA
VDD25-SATA
TVIN0
TVIN1
TVIN2
TVIN3
TVOUT0
TVOUT1
TVOUT2
TVOUT3
VRP-TVIN
VRN-TVIN
VCC-TVOUT
GND-TVOUT
VCC-TVIN
GND-TVIN
SATA_TXP
SATA_TXM
SATA_RXP
SATA_RXM
R48
100
R53
100
GND
VCC_SYS
LGPIO0
C53
0.1u
GND
TVIN0
C85
C84
0.1u
0.1u
GND
ALDO1
C69
0.1u
GND
DD6
USB/RTP/KEYADC/
AUDIO/SYS
USB0-DM
USB0-DP
USB1-DM
USB1-DP
USB2-DM
USB2-DP
VCC-USB
TPX1
TPX2
TPY1
TPY2
KEYADC0
KEYADC1
X24MIN
X24MOUT
X32KIN
X32KOUT
JTAG-SEL
VCC-PLL
RESET
FEL
TEST
RTC-VIO
VCC-RTC
NMI
VDD-EFUSE
VDD-EFUSEBP
LINEINL
LINEINR
MICIN1
MICIN2
PHONEOUTP
PHONEOUTN
HPOUTL
HPOUTR
VRP
VRA2
VRA1
VMIC
FMINL
FMINR
AVCC
AGND
VCC-HP
GND-HP
HPCOMFB
HPCOM
HPBP
LINER
HPOUTR
ALDO3
GND
VCC_3V3
C66
0.1u
C62
22p
ZQ4
24M
R45
2.2M
R42
0
C49
22p
C10
22p
ZQ2
32768
R41
10M
C11
22p
R52
4.5k
VCC_RTC
R60
5.1k
FEL
NC
C20
2.2u
VCC_RTC
AP-NMI
VCC_3V3
C67
0.1u
C68
10u
C71
2.2u
C72
10u
C82
10u
C83
0.1u
VRP
C70
10u
R92
200k
VRA2
C74
2.2u
VRA1