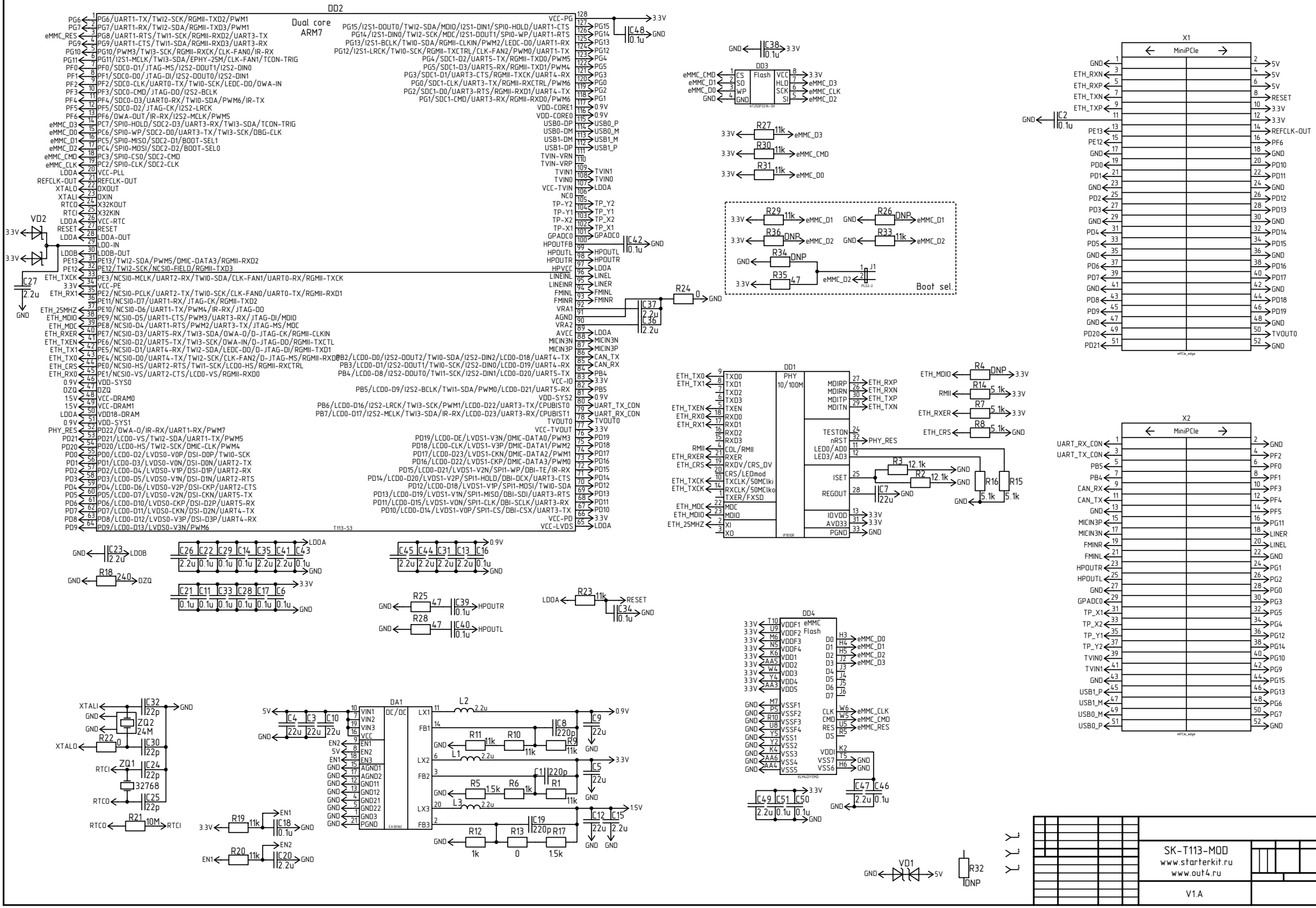
DD2
Dual core ARM7
PG6/UART1-TX/TWI2-SCK/RGMII-TXD2/PWM1
PG7/UART1-RX/TWI2-SDA/RGMII-TXD3/PWM1
eMMC_RES
PG8/UART1-RTS/TWI1-SCK/RGMII-RXD2/UART3-TX
PG9/UART1-CTS/TWI1-SDA/RGMII-RXD3/UART3-RX
PG10/PWM3/TWI3-SCK/RGMII-RXCK/CLK-FAN0/IR-RX
PG11/I2S1-MCLK/TWI3-SDA/EPHY-25M/CLK-FAN1/TCON-TRIG
PF0/SDC0-D1/JTAG-MS/I2S2-DOUT1/I2S2-DIN0
PF1/SDC0-D0/JTAG-DI/I2S2-DOUT0/I2S2-DIN1
PF2/SDC0-CLK/UART0-TX/TWI0-SCK/LEDC-DO/DWA-IN
PF3/SDC0-CMD/JTAG-DO/I2S2-BCLK
PF4/SDC0-D3/UART0-RX/TWI0-SDA/PWM6/IR-TX
PF5/SDC0-D2/JTAG-CK/I2S2-LRCK
PF6/DWA-OUT/IR-RX/I2S2-MCLK/PWM5
eMMC_D3
eMMC_D0
eMMC_D1
eMMC_D2
eMMC_CMD
eMMC_CLK
PC7/SPI0-HOLD/SDC2-D3/UART3-RX/TWI3-SDA/TCON-TRIG
PC6/SPI0-WP/SDC2-D0/UART3-TX/TWI3-SCK/DBG-CLK
PC5/SPI0-MSD/SDC2-D1/BOOT-SEL1
PC4/SPI0-MOSI/SDC2-D2/BOOT-SEL0
PC3/SPI0-CS0/SDC2-CMD
PC2/SPI0-CLK/SDC2-CLK
LDOA
REFCLK_OUT
XTALO
XTALI
RTCO
RTCI
VCC-RTC
RESET
LDOA-OUT
LDO-IN
LDOB
LDOB-OUT
PE13/TWI2-SDA/PWM5/DMIC-DATA3/RGMII-RXD2
PE12/TWI2-SCK/NCSI0-FIELD/RGMII-TXD3
ETH_TXCK
PE3/NCSI0-MCLK/UART2-RX/TWI0-SDA/CLK-FAN1/UART0-RX/RGMII-TXCK
VCC-PE
ETH_RXI
PE4/NCSI0-PCLK/UART2-TX/TWI0-SCK/CLK-FAN0/UART0-TX/RGMII-RXD1
PE1/NCSI0-D7/UART1-RX/JTAG-CK/RGMII-TXD2
ETH_25MHZ
PE10/NCSI0-D6/UART1-TX/PWM4/IR-RX/JTAG-DO
ETH_MDIO
PE9/NCSI0-D5/UART1-CTS/PWM3/UART3-RX/JTAG-DI/MDIO
ETH_MDC
PE8/NCSI0-D4/UART1-RTS/PWM2/UART3-TX/JTAG-MS/MDC
ETH_RXER
PE7/NCSI0-D3/UART5-RX/TWI3-SDA/OWA-O/D-JTAG-CK/RGMII-CLKIN
ETH_TXEN
PE6/NCSI0-D2/UART5-TX/TWI3-SCK/OWA-IN/D-JTAG-DO/RGMII-TXCTL
ETH_TX1
PE5/NCSI0-D1/UART4-RX/TWI2-SDA/LEDC-DO/D-JTAG-DI/RGMII-TXD1
ETH_TX0
PE4/NCSI0-D0/UART4-TX/TWI2-SCK/CLK-FAN2/D-JTAG-MS/RGMII-RXD0
ETH_CRS
PE0/NCSI0-HS/UART2-RTS/TWI1-SCK/LCD0-HS/RGMII-RXCTRL
ETH_RX0
PE1/NCSI0-VS/UART2-CTS/LCD0-VS/RGMII-RXD0
VDD-SYS0
DZQ
VCC-DRAM0
VCC-DRAM1
VDD18-DRAM
VDD-SYS1
PHY_RES
PD22/DWA-O/IR-RX/UART1-RX/PWM7
PD21/LCD0-VS/TWI2-SDA/UART1-TX/PWM5
PD20/LCD0-HS/TWI2-SCK/DMIC-CLK/PWM4
PD0/LCD0-D2/LVDS0-V0P/DSI-D0P/TWI0-SCK
PD1/LCD0-D3/LVDS0-V0N/DSI-D0N/UART2-TX
PD2/LCD0-D4/LVDS0-V1P/DSI-D1P/UART2-RX
PD3/LCD0-D5/LVDS0-V1N/DSI-D1N/UART2-RTS
PD4/LCD0-D6/LVDS0-V2P/DSI-CKP/UART2-CTS
PD5/LCD0-D7/LVDS0-V2N/DSI-CKN/UART5-TX
PD6/LCD0-D10/LVDS0-CKP/DSI-D2P/UART5-RX
PD7/LCD0-D11/LVDS0-CKN/DSI-D2N/UART4-TX
PD8/LCD0-D12/LVDS0-V3P/DSI-D3P/UART4-RX
PD9/LCD0-D13/LVDS0-V3N/PWM6
T113-S3
VCC-PG
PG15/I2S1-DOUT0/TWI2-SDA/MDIO/I2S1-DIN1/SPI0-HOLD/UART1-CTS
PG14/I2S1-DIN0/TWI2-SCK/MDC/I2S1-DOUT1/SPI0-WP/UART1-RTS
PG13/I2S1-BCLK/TWI0-SDA/RGMII-CLKIN/PWM2/LEDC-DO/UART1-RX
PG12/I2S1-LRCK/TWI0-SCK/RGMII-TXCTRL/CLK-FAN2/PWM0/UART1-TX
PG4/SDC1-D2/UART5-TX/RGMII-TXD0/PWM5
PG5/SDC1-D3/UART5-RX/RGMII-TXD1/PWM4
PG3/SDC1-D1/UART3-CTS/RGMII-TXCK/UART4-RX
PG0/SDC1-CLK/UART3-TX/RGMII-RXCTRL/PWM6
PG2/SDC1-D0/UART3-RTS/RGMII-RXD1/UART4-TX
PG1/SDC1-CMD/UART3-RX/RGMII-RXD0/PWM6
VDD-CORE1
VDD-CORE0
USB0-DP
USB0-DM
USB1-DM
USB1-DP
TVIN-VRN
TVIN-VRP
TVIN1
TVIN0
VCC-TVIN
LDOA
NC0
TP-Y2
TP-Y1
TP-X2
TP-X1
GPADC0
HPOUTFB
HPOUTL
HPOUTR
HPVCC
LINEINL
LINEINR
FMINL
FMINR
VRA1
AGND
VRA2
AVCC
MICIN3N
MICIN3P
PB2/LCD0-D0/I2S2-DOUT2/TWI0-SDA/I2S2-DIN2/LCD0-D18/UART4-TX
PB3/LCD0-D1/I2S2-DOUT1/TWI0-SCK/I2S2-DIN0/LCD0-D19/UART4-RX
PB4/LCD0-D8/I2S2-DOUT0/TWI1-SCK/I2S2-DIN1/LCD0-D20/UART5-TX
VCC-IO
PB5/LCD0-D9/I2S2-BCLK/TWI1-SDA/PWM0/LCD0-D21/UART5-RX
VDD-SYS2
PB6/LCD0-D16/I2S2-LRCK/TWI3-SCK/PWM1/LCD0-D22/UART3-TX/CPUBIST0
PB7/LCD0-D17/I2S2-MCLK/TWI3-SDA/IR-RX/LCD0-D23/UART3-RX/CPUBIST1
TVOUT0
VCC-TVOUT
PD19/LCD0-DE/LVDS1-V3N/DMIC-DATA0/PWM3
PD18/LCD0-CLK/LVDS1-V3P/DMIC-DATA1/PWM2
PD17/LCD0-D23/LVDS1-CKN/DMIC-DATA2/PWM1
PD16/LCD0-D22/LVDS1-CKP/DMIC-DATA3/PWM0
PD15/LCD0-D21/LVDS1-V2N/SPI1-WP/DBI-TE/IR-RX
PD14/LCD0-D20/LVDS1-V2P/SPI1-HOLD/DBI-DCX/UART3-CTS
PD12/LCD0-D18/LVDS1-V1P/SPI1-MOSI/TWI0-SDA
PD13/LCD0-D19/LVDS1-V1N/SPI1-MISO/DBI-SDI/UART3-RTS
PD11/LCD0-D15/LVDS1-V0N/SPI1-CLK/DBI-SCLK/UART3-RX
PD10/LCD0-D14/LVDS1-V0P/SPI1-CS/DBI-CSX/UART3-TX
VCC-PD
VCC-LVDS
3.3V
GND
C48 0.1u
C38 0.1u
DD3
Flash
CS
SO
WP
GND
VCC
HLD
SCK
SI
eMMC_CMD
eMMC_D1
eMMC_D0
eMMC_D3
eMMC_CLK
eMMC_D2
R27 11k
R30 11k
R31 11k
C42 0.1u
R24 0
C37 2.2u
C36 2.2u
C27 2.2u
VD2
R29 11k
R26 DNP
R36 DNP
R33 11k
R34 DNP
R35 47
J1
Boot sel.
X1
MiniPCIe
C2 0.1u
5V
RESET
REFCLK_OUT
PE13
PE12
PF6
PD0
PD1
PD2
PD3
PD4
PD5
PD6
PD7
PD20
PD21
PD10
PD11
PD12
PD13
PD14
PD15
PD16
PD17
PD18
PD19
VTOUT0
DD1
PHY
10/100M
TXD0
TXD1
TXD2
TXD3
TXEN
RXD0
RXD1
RXD2
RXD3
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
AVD33
PGND
PHY_RES
R4 DNP
R14 5.1k
R7 5.1k
R8 5.1k
R3 12.1k
R2 12.1k
R16 5.1k
R15 5.1k
C7 22u
X2
C23 2.2u
R18 240
C26 C22 C29 C14 C35 C41 C43 2.2u 0.1u
C45 C44 C31 C13 C16 2.2u 0.1u
C21 C11 C33 C28 C17 C6 0.1u
R25 47
R28 47
C39 0.1u
C40 0.1u
R23 11k
C34 0.1u
DD4
eMMC Flash
VDDF1
VDDF2
VDDF3
VDDF4
VDD1
VDD2
VDD3
VDD4
VDD5
VSSF1
VSSF2
VSSF3
VSSF4
VSS1
VSS2
VSS3
VSS4
VSS5
CLK
CMD
RES
DS
VDDI
VSS7
VSS6
C49 C51 C50 2.2u 0.1u
C47 C46 2.2u 0.1u
XTALI
XTALO
ZQ2 24M
ZQ1 32768
C32 C30 C24 C25 22p
R22 0
R21 10M
RTCO
RTCI
DA1
DC/DC
EA3036C
L2 2.2u
L1 2.2u
L3 2.2u
C4 C3 C10 22u
C8 220p
C9 22u
C1 220p
C5 22u
R11 11k
R10 11k
R9 11k
R5 1.5k
R6 1k
R1 11k
C19 220p
R17
C12 C15 22u 2.2u
R12 1k
R13 0
EN1
EN2
R19 11k
R20 11k
C18 0.1u
C20 2.2u
VD1
R32 DNP
SK-T113-MOD
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V1.A