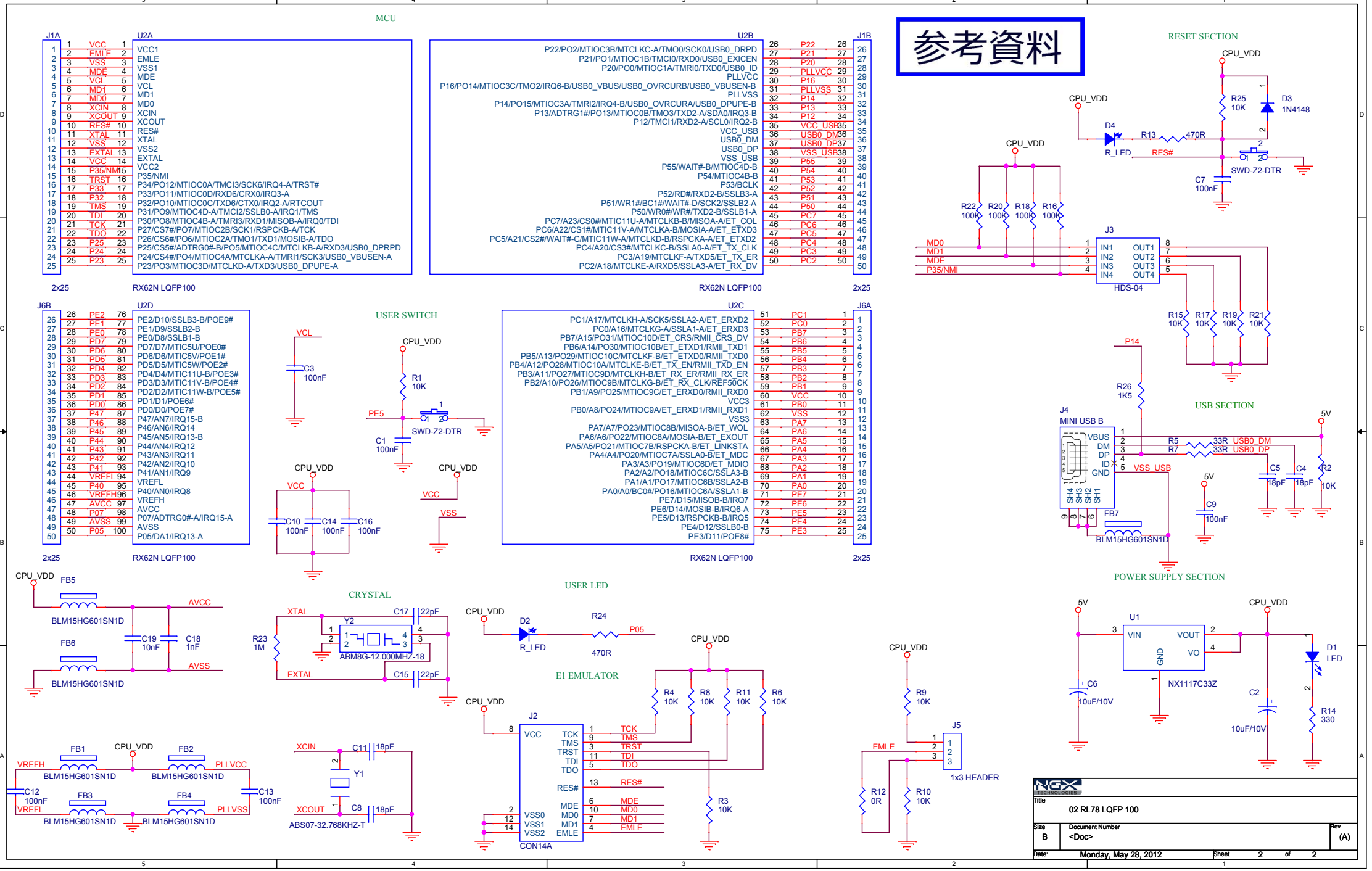
MCU
J1A
U2A
VCC1
EMLE
VSS1
MDE
VCL
MD1
MD0
XCIN
XCOUT
RES#
XTAL
VSS2
EXTAL
VCC2
P35/NMI
P34/PO12/MTIOC0A/TMCI3/SCK6/IRQ4-A/TRST#
P33/PO11/MTIOC0D/RXD6/CRX0/IRQ3-A
P32/PO10/MTIOC0C/TXD6/CTX0/IRQ2-A/RTCOUT
P31/PO9/MTIOC4D-A/TMCI2/SSLB0-A/IRQ1/TMS
P30/PO8/MTIOC4B-A/TMRI3/RXD1/MISOB-A/IRQ0/TDI
P27/CS7#/PO7/MTIOC2B/SCK1/RSPCKB-A/TCK
P26/CS6#/PO6/MTIOC2A/TMO1/TXD1/MOSIB-A/TDO
P25/CS5#/ADTRG0#-B/PO5/MTIOC4C/MTCLKB-A/RXD3/USB0_DPRPD
P24/CS4#/PO4/MTIOC4A/MTCLKA-A/TMRI1/SCK3/USB0_VBUSEN-A
P23/PO3/MTIOC3D/MTCLKD-A/TXD3/USB0_DPUPE-A
2x25
RX62N LQFP100
U2B
J1B
P22/PO2/MTIOC3B/MTCLKC-A/TMO0/SCK0/USB0_DRPD
P21/PO1/MTIOC1B/TMCI0/RXD0/USB0_EXICEN
P20/PO0/MTIOC1A/TMRI0/TXD0/USB0_ID
PLLVCC
P16/PO14/MTIOC3C/TMO2/IRQ6-B/USB0_VBUS/USB0_OVRCURB/USB0_VBUSEN-B
PLLVSS
P14/PO15/MTIOC3A/TMRI2/IRQ4-B/USB0_OVRCURA/USB0_DPUPE-B
P13/ADTRG1#/PO13/MTIOC0B/TMO3/TXD2-A/SDA0/IRQ3-B
P12/TMCI1/RXD2-A/SCL0/IRQ2-B
VCC_USB
USB0_DM
USB0_DP
VSS_USB
P55/WAIT#-B/MTIOC4D-B
P54/MTIOC4B-B
P53/BCLK
P52/RD#/RXD2-B/SSLB3-A
P51/WR1#/BC1#/WAIT#-D/SCK2/SSLB2-A
P50/WR0#/WR#/TXD2-B/SSLB1-A
PC7/A23/CS0#/MTIC11U-A/MTCLKB-B/MISOA-A/ET_COL
PC6/A22/CS1#/MTIC11V-A/MTCLKA-B/MOSIA-A/ET_ETXD3
PC5/A21/CS2#/WAIT#-C/MTIC11W-A/MTCLKD-B/RSPCKA-A/ET_ETXD2
PC4/A20/CS3#/MTCLKC-B/SSLA0-A/ET_TX_CLK
PC3/A19/MTCLKF-A/TXD5/ET_TX_ER
PC2/A18/MTCLKE-A/RXD5/SSLA3-A/ET_RX_DV
RX62N LQFP100
2x25
参考資料
RESET SECTION
CPU_VDD
R25
10K
D3
1N4148
D4
R_LED
R13
470R
RES#
SWD-Z2-DTR
C7
100nF
R22
100K
R20
100K
R18
100K
R16
100K
J3
MD0
MD1
MDE
P35/NMI
IN1
IN2
IN3
IN4
OUT1
OUT2
OUT3
OUT4
HDS-04
R15
10K
R17
10K
R19
10K
R21
10K
J6B
U2D
PE2/D10/SSLB3-B/POE9#
PE1/D9/SSLB2-B
PE0/D8/SSLB1-B
PD7/D7/MTIC5U/POE0#
PD6/D6/MTIC5V/POE1#
PD5/D5/MTIC5W/POE2#
PD4/D4/MTIC11U-B/POE3#
PD3/D3/MTIC11V-B/POE4#
PD2/D2/MTIC11W-B/POE5#
PD1/D1/POE6#
PD0/D0/POE7#
P47/AN7/IRQ15-B
P46/AN6/IRQ14
P45/AN5/IRQ13-B
P44/AN4/IRQ12
P43/AN3/IRQ11
P42/AN2/IRQ10
P41/AN1/IRQ9
VREFL
P40/AN0/IRQ8
VREFH
AVCC
P07/ADTRG0#-A/IRQ15-A
AVSS
P05/DA1/IRQ13-A
2x25
RX62N LQFP100
USER SWITCH
VCL
C3
100nF
CPU_VDD
R1
10K
PE5
SWD-Z2-DTR
C1
100nF
CPU_VDD
VCC
C10
100nF
C14
100nF
C16
100nF
CPU_VDD
VCC
VSS
U2C
J6A
PC1/A17/MTCLKH-A/SCK5/SSLA2-A/ET_ERXD2
PC0/A16/MTCLKG-A/SSLA1-A/ET_ERXD3
PB7/A15/PO31/MTIOC10D/ET_CRS/RMII_CRS_DV
PB6/A14/PO30/MTIOC10B/ET_ETXD1/RMII_TXD1
PB5/A13/PO29/MTIOC10C/MTCLKF-B/ET_ETXD0/RMII_TXD0
PB4/A12/PO28/MTIOC10A/MTCLKE-B/ET_TX_EN/RMII_TXD_EN
PB3/A11/PO27/MTIOC9D/MTCLKH-B/ET_RX_ER/RMII_RX_ER
PB2/A10/PO26/MTIOC9B/MTCLKG-B/ET_RX_CLK/REF50CK
PB1/A9/PO25/MTIOC9C/ET_ERXD0/RMII_RXD0
VCC3
PB0/A8/PO24/MTIOC9A/ET_ERXD1/RMII_RXD1
VSS3
PA7/A7/PO23/MTIOC8B/MISOA-B/ET_WOL
PA6/A6/PO22/MTIOC8A/MOSIA-B/ET_EXOUT
PA5/A5/PO21/MTIOC7B/RSPCKA-B/ET_LINKSTA
PA4/A4/PO20/MTIOC7A/SSLA0-B/ET_MDC
PA3/A3/PO19/MTIOC6D/ET_MDIO
PA2/A2/PO18/MTIOC6C/SSLA3-B
PA1/A1/PO17/MTIOC6B/SSLA2-B
PA0/A0/BC0#/PO16/MTIOC6A/SSLA1-B
PE7/D15/MISOB-B/IRQ7
PE6/D14/MOSIB-B/IRQ6-A
PE5/D13/RSPCKB-B/IRQ5
PE4/D12/SSLB0-B
PE3/D11/POE8#
RX62N LQFP100
2x25
P14
R26
1K5
USB SECTION
J4
MINI USB B
VBUS
DM
DP
ID
GND
SH4
SH3
SH2
SH1
VSS_USB
R5
33R
USB0_DM
R7
33R
USB0_DP
5V
C5
18pF
C4
18pF
R2
10K
C9
100nF
FB7
BLM15HG601SN1D
CPU_VDD
FB5
BLM15HG601SN1D
AVCC
C19
10nF
C18
1nF
FB6
BLM15HG601SN1D
AVSS
CRYSTAL
XTAL
C17
22pF
Y2
R23
1M
ABM8G-12.000MHZ-18
EXTAL
C15
22pF
USER LED
CPU_VDD
D2
R_LED
R24
470R
P05
E1 EMULATOR
CPU_VDD
R4
10K
R8
10K
R11
10K
R6
10K
CPU_VDD
J2
VCC
TCK
TMS
TRST
TDI
TDO
RES#
MDE
MD0
MD1
EMLE
VSS0
VSS1
VSS2
CON14A
R3
10K
CPU_VDD
R9
10K
J5
EMLE
1x3 HEADER
R12
0R
R10
10K
POWER SUPPLY SECTION
5V
U1
VIN
VOUT
VO
GND
NX1117C33Z
C6
10uF/10V
CPU_VDD
D1
LED
C2
10uF/10V
R14
330
FB1
BLM15HG601SN1D
CPU_VDD
FB2
BLM15HG601SN1D
VREFH
PLLVCC
C12
100nF
FB3
BLM15HG601SN1D
FB4
BLM15HG601SN1D
C13
100nF
VREFL
PLLVSS
XCIN
C11
18pF
Y1
XCOUT
C8
18pF
ABS07-32.768KHZ-T
NGX TECHNOLOGIES
Title
02 RL78 LQFP 100
Size
B
Document Number
<Doc>
Rev
(A)
Date:
Monday, May 28, 2012
Sheet
2
of
2