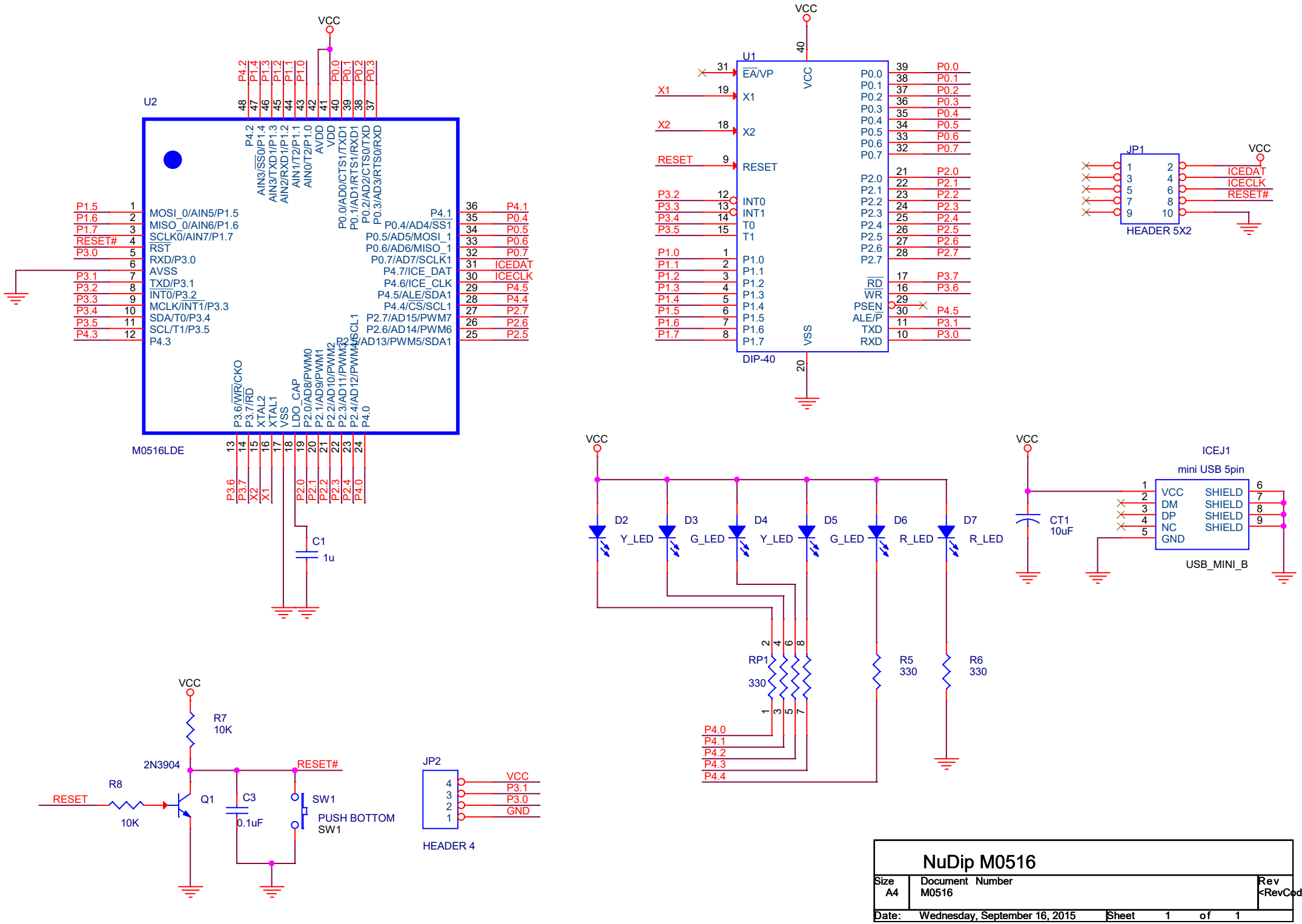
U2
M0516LDE
VCC
P1.5 MOSI_0/AIN5/P1.5
P1.6 MISO_0/AIN6/P1.6
P1.7 SCLK0/AIN7/P1.7
RESET# RST
P3.0 RXD/P3.0
AVSS
P3.1 TXD/P3.1
P3.2 INT0/P3.2
P3.3 MCLK/INT1/P3.3
P3.4 SDA/T0/P3.4
P3.5 SCL/T1/P3.5
P4.3
P4.2 P1.4 P1.3 P1.2 P1.1 P1.0
AIN3/SS0/P1.4 AIN3/TXD1/P1.3 AIN2/RXD1/P1.2 AIN1/T2/P1.1 AIN0/T2/P1.0 AVDD VDD
P0.0/AD0/CTS1/TXD1 P0.1/AD1/RTS1/RXD1 P0.2/AD2/CTS0/TXD P0.3/AD3/RTS0/RXD
P4.1 P0.4/AD4/SS1 P0.5/AD5/MOSI_1 P0.6/AD6/MISO_1 P0.7/AD7/SCLK1 P4.7/ICE_DAT P4.6/ICE_CLK P4.5/ALE/SDA1 P4.4/CS/SCL1 P2.7/AD15/PWM7 P2.6/AD14/PWM6 P2.5/AD13/PWM5/SDA1
P3.6/WR/CKO P3.7/RD XTAL2 XTAL1 VSS LDO_CAP P2.0/AD8/PWM0 P2.1/AD9/PWM1 P2.2/AD10/PWM2 P2.3/AD11/PWM3/SCL1 P2.4/AD12/PWM4/SCL1 P4.0
C1 1u
U1
DIP-40
EA/VP X1 X2 RESET INT0 INT1 T0 T1
P1.0 P1.1 P1.2 P1.3 P1.4 P1.5 P1.6 P1.7
P0.0 P0.1 P0.2 P0.3 P0.4 P0.5 P0.6 P0.7
P2.0 P2.1 P2.2 P2.3 P2.4 P2.5 P2.6 P2.7
RD WR PSEN ALE/P TXD RXD
JP1
HEADER 5X2
ICEDAT ICECLK RESET#
D2 Y_LED
D3 G_LED
D4 Y_LED
D5 G_LED
D6 R_LED
D7 R_LED
RP1 330
R5 330
R6 330
CT1 10uF
ICEJ1
mini USB 5pin
VCC DM DP NC GND SHIELD
USB_MINI_B
R7 10K
2N3904
R8 10K
Q1
C3 0.1uF
SW1
PUSH BOTTOM
SW1
JP2
HEADER 4
NuDip M0516
Size A4
Document Number M0516
Rev <RevCode>
Date: Wednesday, September 16, 2015
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