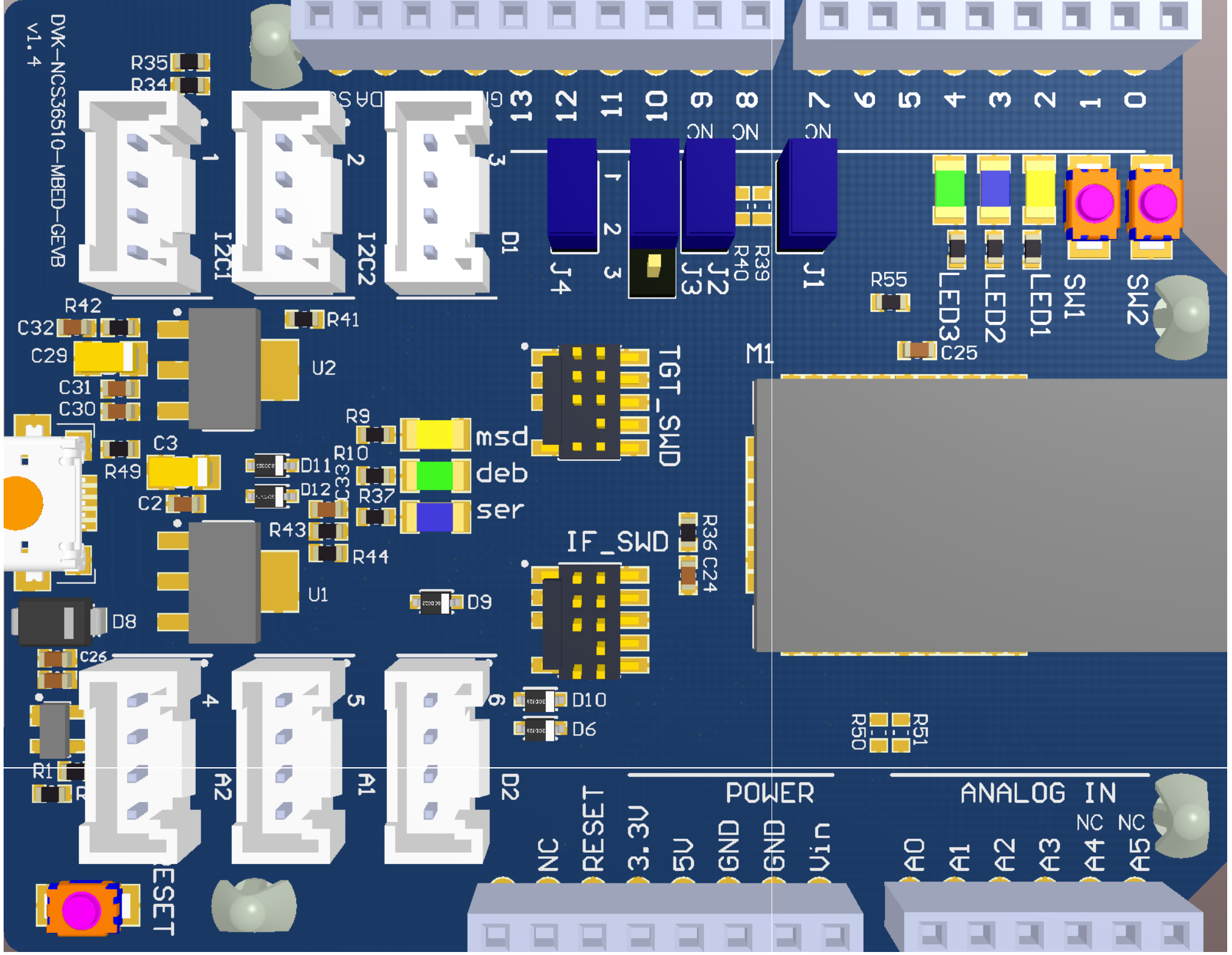
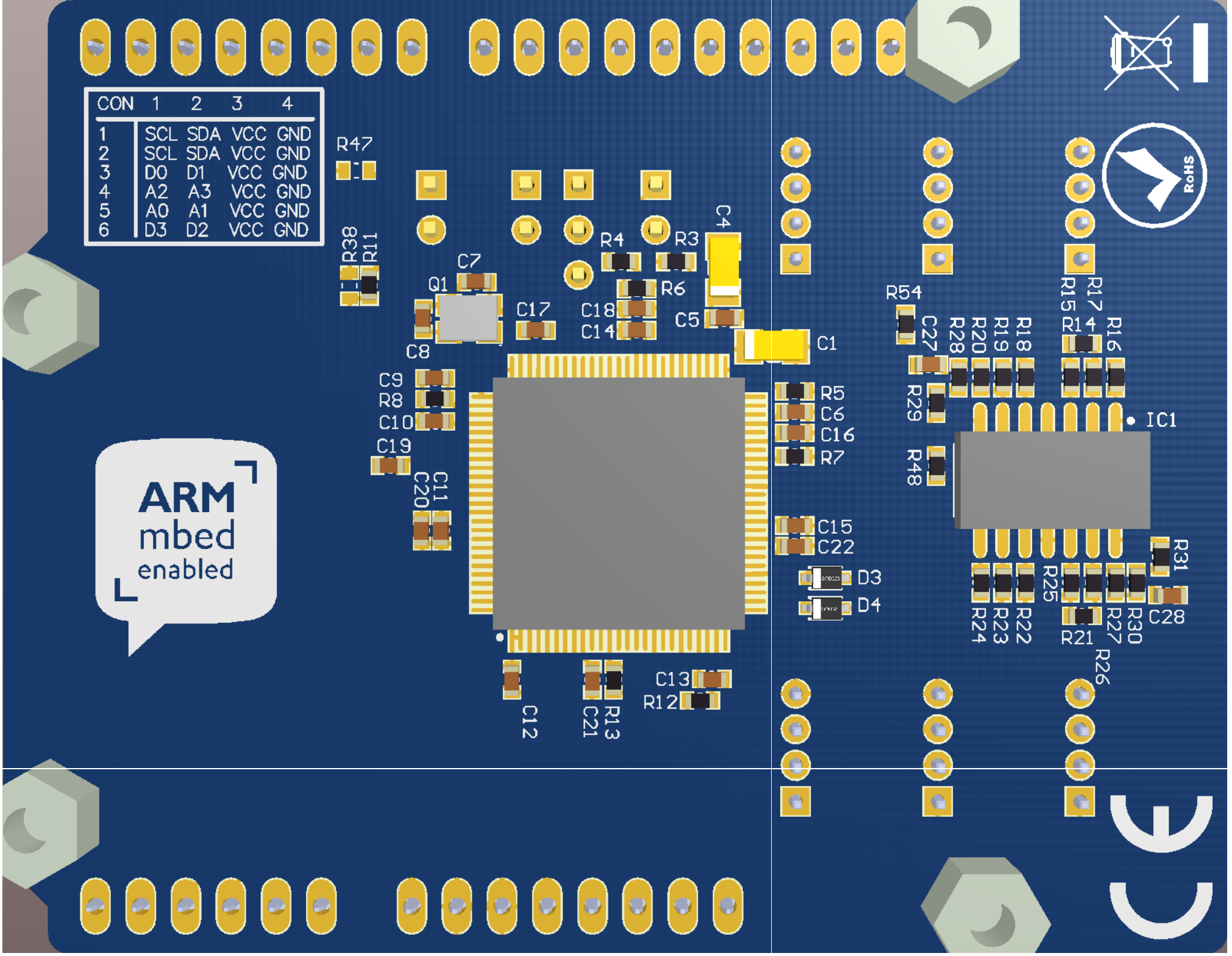

DVK-NCS36510-MBED-GEVB
v1.4
I2C1
I2C2
D1
D2
A2
A1
RESET
J1
J2
J3
J4
ON
LED1
LED2
LED3
SW1
SW2
M1
TGT_SWD
IF_SWD
msd
deb
ser
U1
U2
POWER
NC
RESET
3.3V
5V
GND
GND
Vin
ANALOG IN
A0
A1
A2
A3
A4
A5
NC
NC


CON 1 2 3 4
1 SCL SDA VCC GND
2 SCL SDA VCC GND
3 D0 D1 VCC GND
4 A2 A3 VCC GND
5 A0 A1 VCC GND
6 D3 D2 VCC GND
R47
R38
R11
C7
Q1
C17
R4
R3
C4
R6
C18
C14
C5
C1
C8
C9
R8
C10
C19
C20
C11
R5
C6
C16
R7
C15
C22
D3
D4
C12
C21
R13
C13
R12
R54
C27
R29
R28
R20
R19
R18
R15
R14
R17
R16
R48
IC1
R31
C28
R25
R24
R23
R22
R21
R27
R30
R26
ARM
mbed
enabled
RoHS

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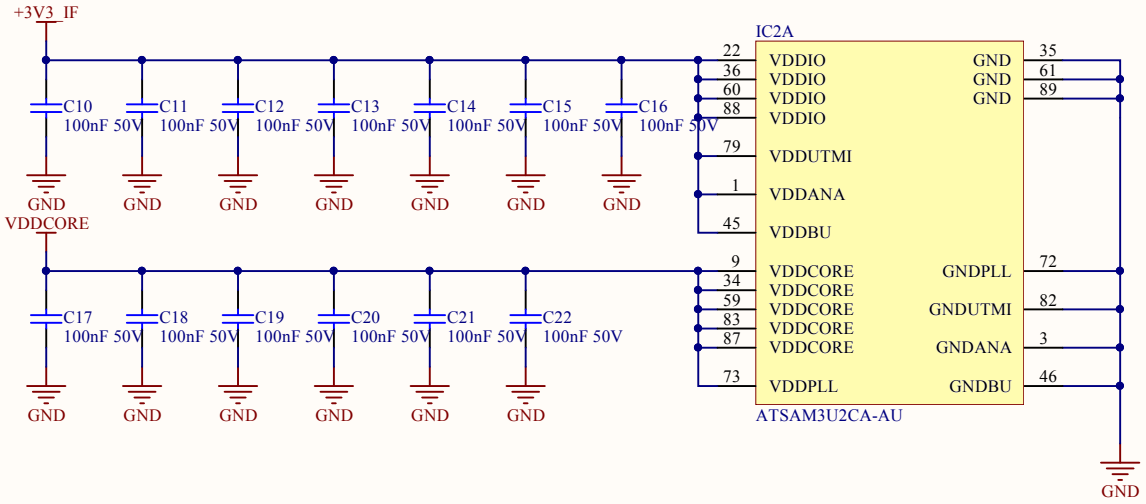

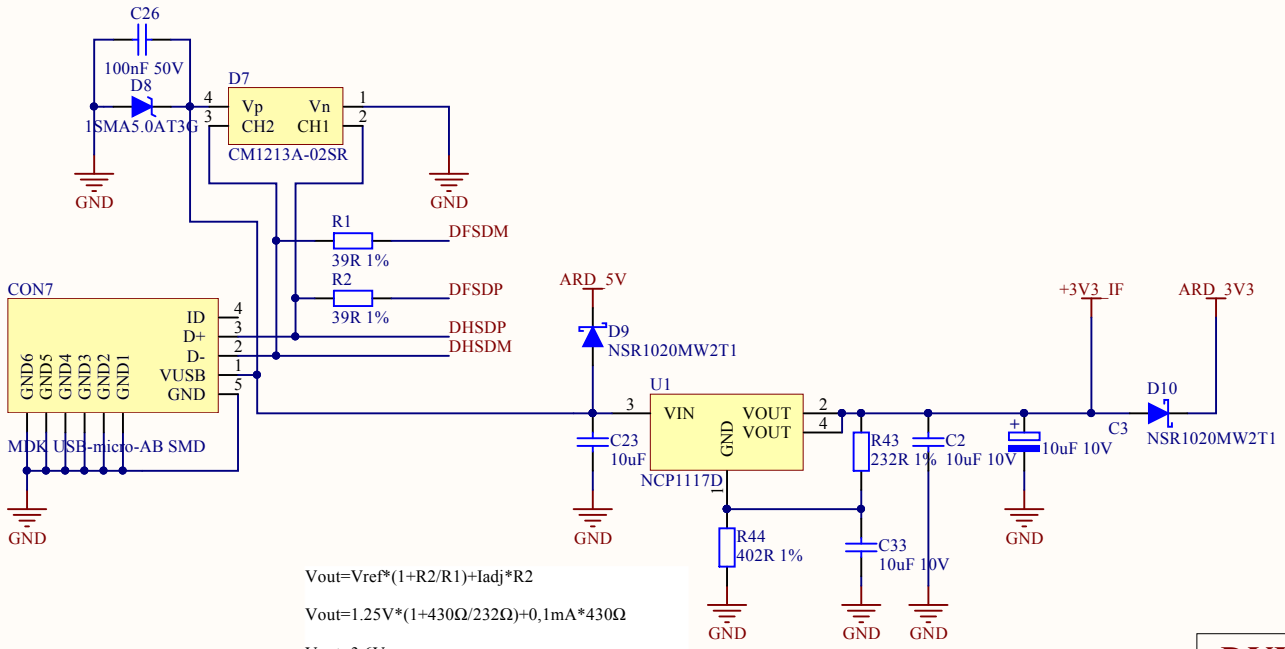

Vout=Vref*(1+R2/R1)+Iadj*R2

Vout=1.25V*(1+430Ω/232Ω)+0,1mA*430Ω

Vout=3.6V

DVK-NCS36510-MBED-GEVB	
Power.SchDoc	Revision: 1.4
Drawn By: Matej Slapšak	Approved By: Dan Clement
Checked By: Rok Šinkovec	Sheet 1 of 4
Date:10.7.2017	www.ltek.si info@ltek.si

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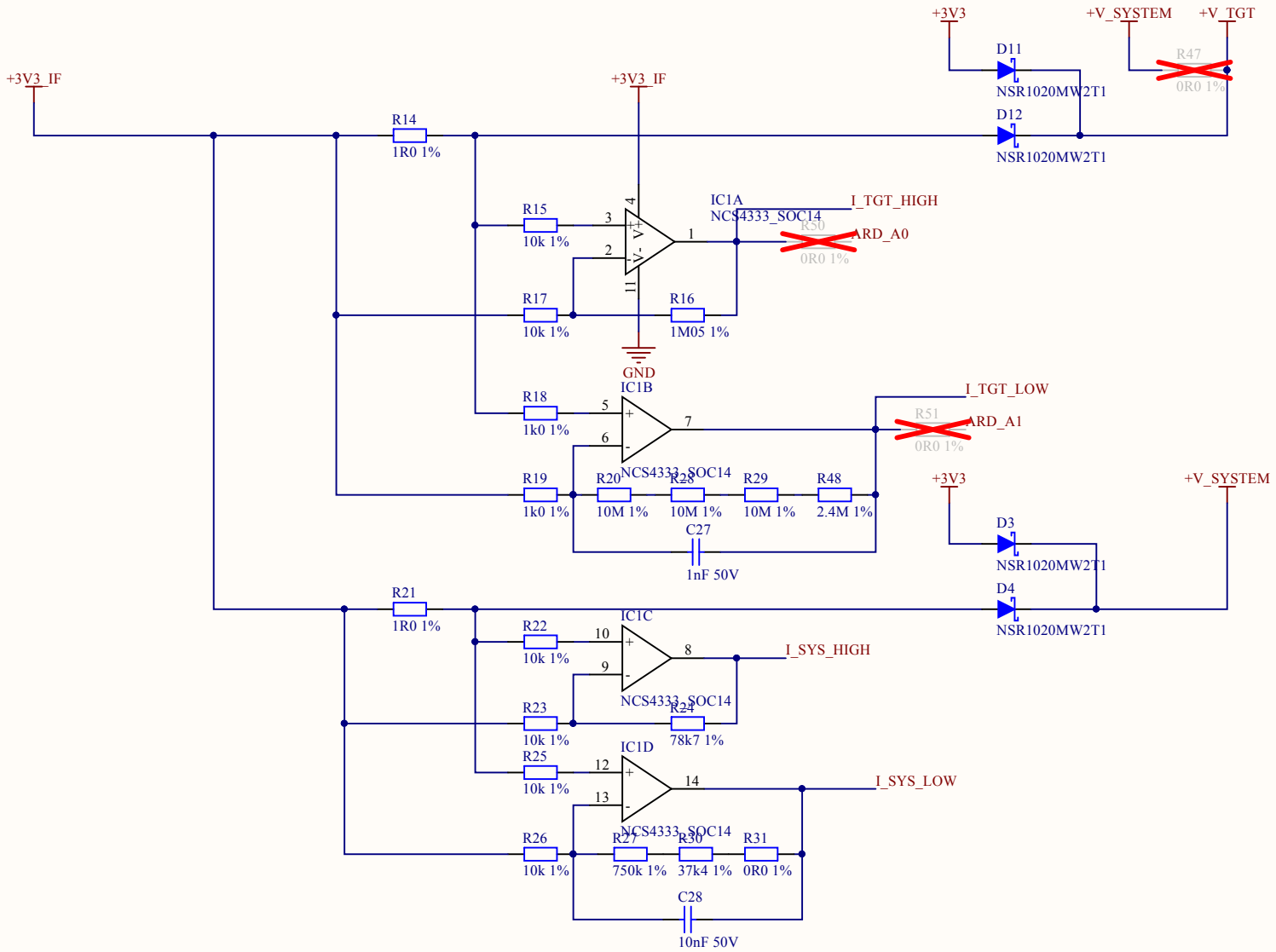
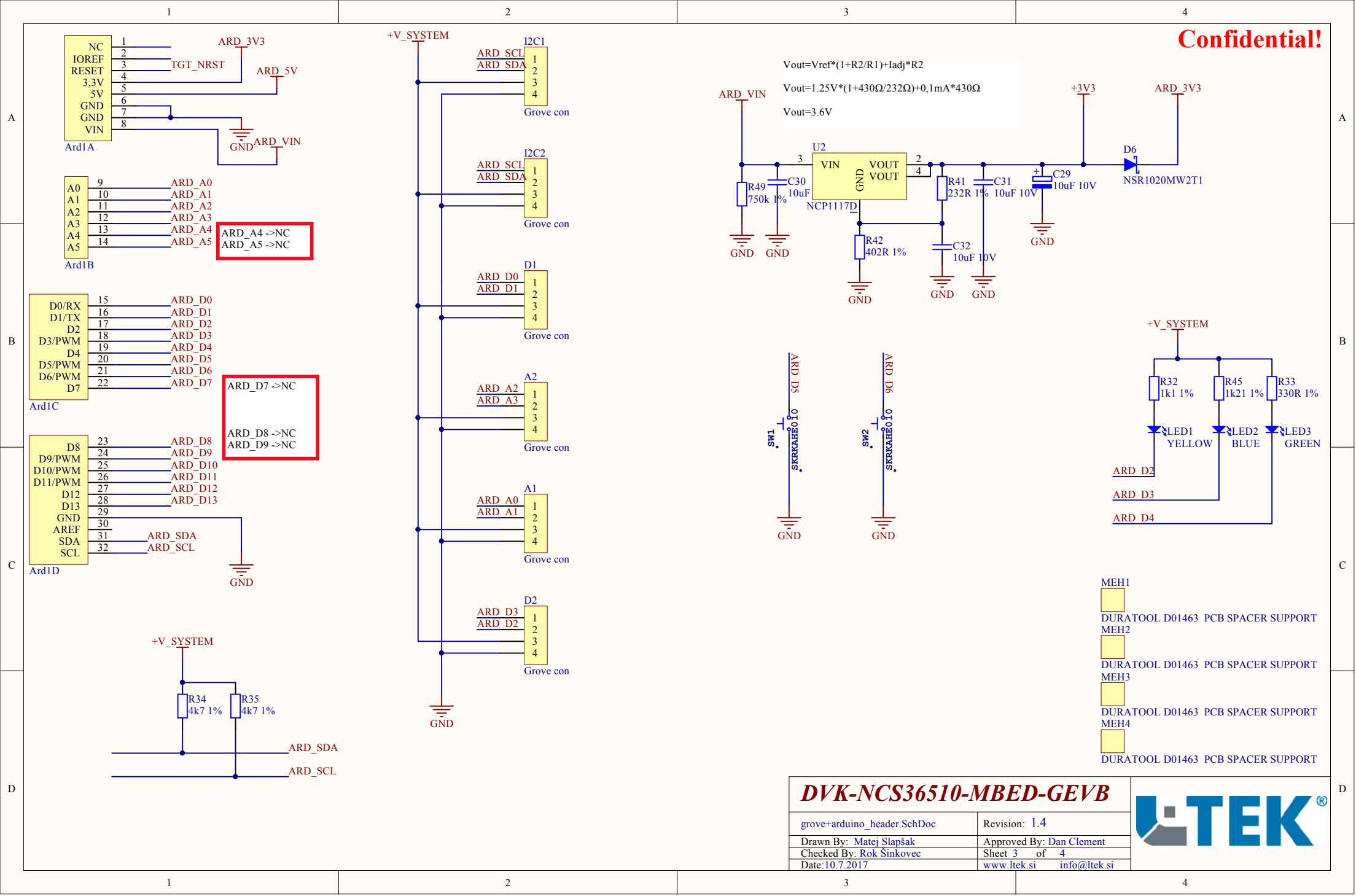


DVK-NCS36510-MBED-GEVB	
amplifier.SchDoc	Revision: 1.4
Drawn By: Matej Slapšak	Approved By: Dan Clement
Checked By: Rok Šinkovec	Sheet 2 of 4
Date:10.7.2017	www.ltek.si info@ltek.si


Confidential!
NC
IOREF
RESET
3,3V
5V
GND
GND
VIN
Ard1A
ARD_3V3
TGT_NRST
ARD_5V
GND
ARD_VIN
A0
A1
A2
A3
A4
A5
Ard1B
ARD_A0
ARD_A1
ARD_A2
ARD_A3
ARD_A4
ARD_A5
ARD_A4 ->NC
ARD_A5 ->NC
D0/RX
D1/TX
D2
D3/PWM
D4
D5/PWM
D6/PWM
D7
Ard1C
ARD_D0
ARD_D1
ARD_D2
ARD_D3
ARD_D4
ARD_D5
ARD_D6
ARD_D7
ARD_D7 ->NC
ARD_D8 ->NC
ARD_D9 ->NC
D8
D9/PWM
D10/PWM
D11/PWM
D12
D13
GND
AREF
SDA
SCL
Ard1D
ARD_D8
ARD_D9
ARD_D10
ARD_D11
ARD_D12
ARD_D13
ARD_SDA
ARD_SCL
GND
+V_SYSTEM
R34
4k7 1%
R35
4k7 1%
ARD_SDA
ARD_SCL
+V_SYSTEM
I2C1
ARD_SCL
ARD_SDA
Grove con
I2C2
ARD_SCL
ARD_SDA
Grove con
D1
ARD_D0
ARD_D1
Grove con
A2
ARD_A2
ARD_A3
Grove con
A1
ARD_A0
ARD_A1
Grove con
D2
ARD_D3
ARD_D2
Grove con
GND
Vout=Vref*(1+R2/R1)+Iadj*R2
Vout=1.25V*(1+430Ω/232Ω)+0,1mA*430Ω
Vout=3.6V
ARD_VIN
U2
VIN
GND
VOUT
VOUT
NCP1117D
R49
750k 1%
C30
10uF
R41
232R 1%
C31
10uF 10V
C29
10uF 10V
R42
402R 1%
C32
10uF 10V
+3V3
ARD_3V3
D6
NSR1020MW2T1
GND
ARD_D5
ARD_D6
SW1
SW2
SKRKAHE010
+V_SYSTEM
R32
1k1 1%
R45
1k21 1%
R33
330R 1%
LED1
YELLOW
LED2
BLUE
LED3
GREEN
ARD_D2
ARD_D3
ARD_D4
MEH1
DURATOOL D01463 PCB SPACER SUPPORT
MEH2
DURATOOL D01463 PCB SPACER SUPPORT
MEH3
DURATOOL D01463 PCB SPACER SUPPORT
MEH4
DURATOOL D01463 PCB SPACER SUPPORT
DVK-NCS36510-MBED-GEVB
grove+arduino_header.SchDoc
Revision: 1.4
Drawn By: Matej Slapšak
Approved By: Dan Clement
Checked By: Rok Šinkovec
Sheet 3 of 4
Date:10.7.2017
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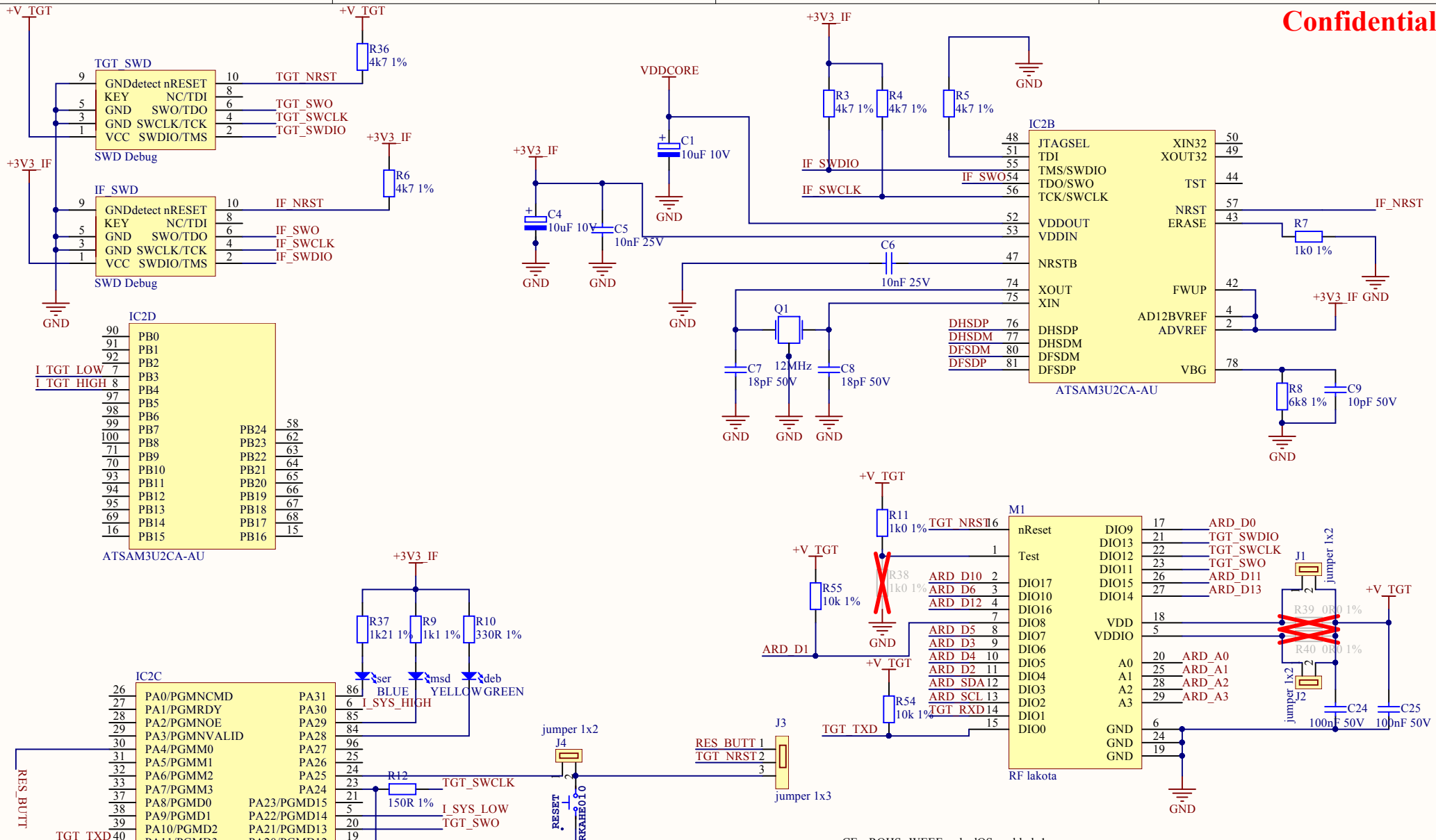

CE ROHS WEEE mbedOS enabled_1

DVK-NCS36510-MBED-GEVB	
uC+RF.SchDoc	Revision: v1.4
Drawn By: Matej Slapšak	Approved By: Dan Clement
Checked By: Rok Šinkovec	Sheet 4 of 4
Date:10.7.2017	www.ltek.si info@ltek.si

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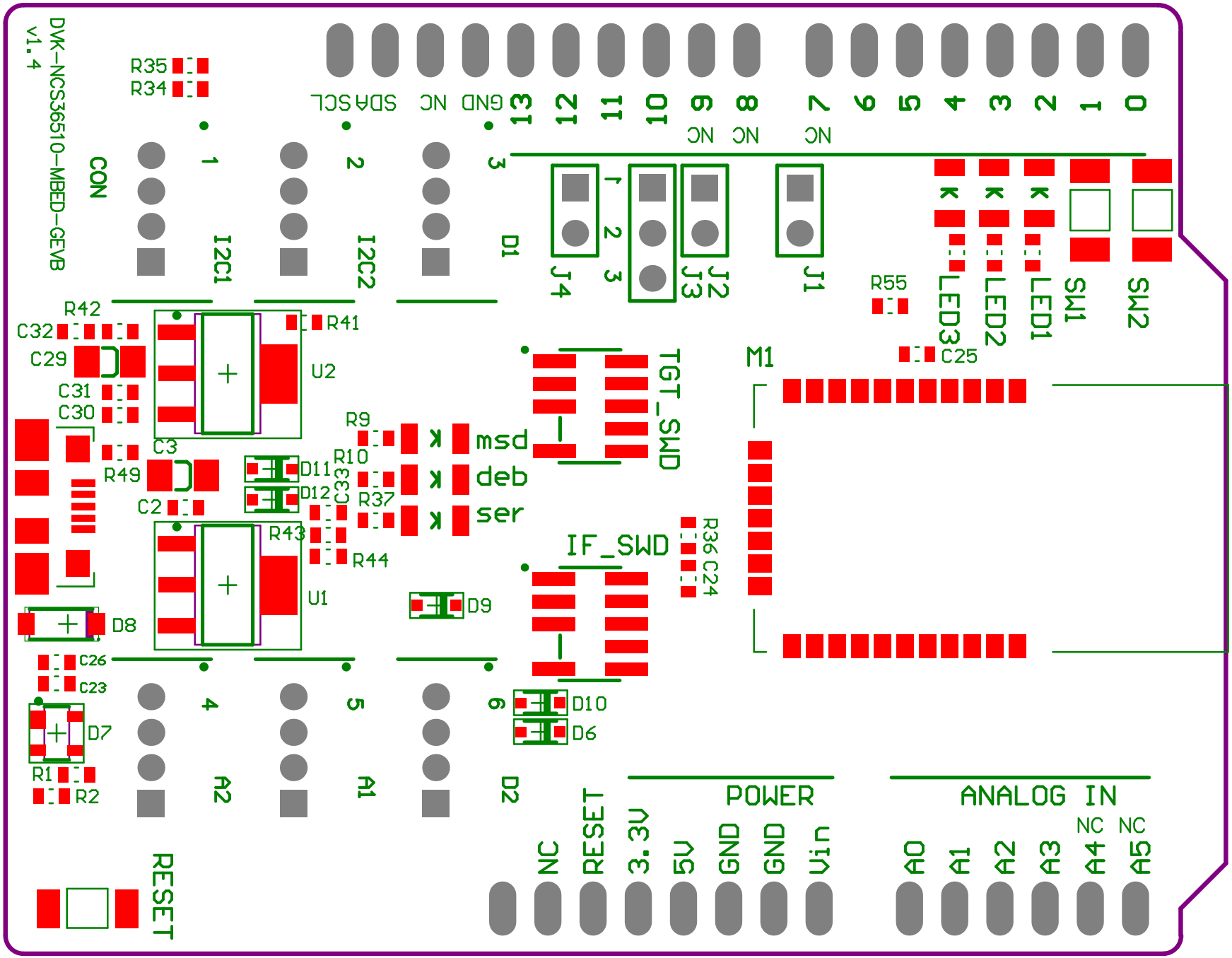
DVK-NCS36510-MBED-GEVB
v1.4
CON
I2C1
I2C2
D1
D2
J4
J3
J2
J1
SW1
SW2
LED1
LED2
LED3
M1
TGT_SWD
IF_SWD
msd
deb
ser
U1
U2
RESET
POWER
ANALOG IN
NC
RESET
3.3V
5V
GND
GND
Vin
A0
A1
A2
A3
A4
A5
SDA
SCL
GND
NC
NC
NC
NC

CON	1	2	3	4
1	SCL	SDA	VCC	GND
2	SCL	SDA	VCC	GND
3	D0	D1	VCC	GND
4	A2	A3	VCC	GND
5	A0	A1	VCC	GND
6	D3	D2	VCC	GND

CON	1	2	3	4
1	SCL	SDA	VCC	GND
2	SCL	SDA	VCC	GND
3	D0	D1	VCC	GND
4	A2	A3	VCC	GND
5	A0	A1	VCC	GND
6	D3	D2	VCC	GND

CON	1	2	3	4
1	SCL	SDA	VCC	GND
2	SCL	SDA	VCC	GND
3	D0	D1	VCC	GND
4	A2	A3	VCC	GND
5	A0	A1	VCC	GND
6	D3	D2	VCC	GND