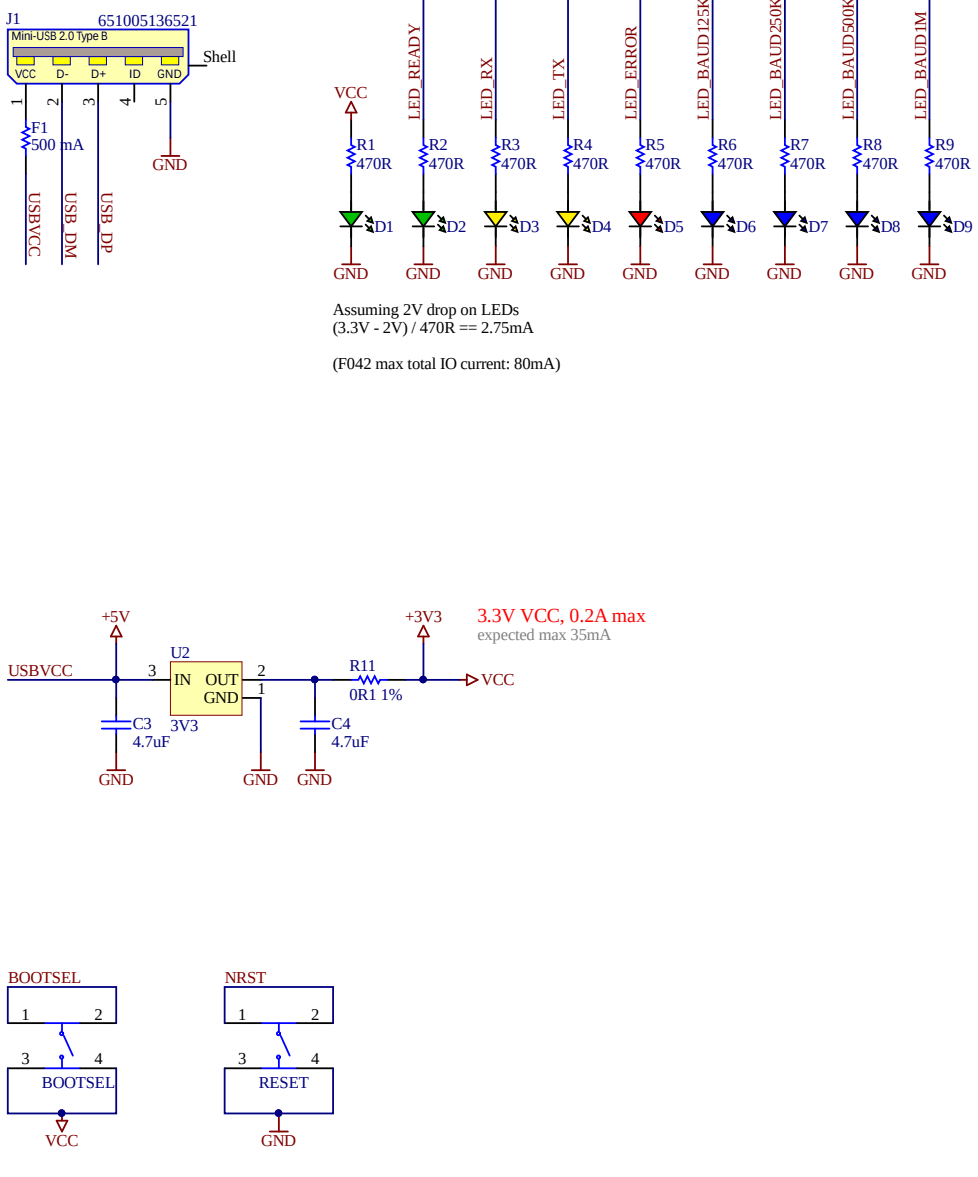

Power, MCU, Control
Ocarina III

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FORCE
FEE PRAGUE FORMULA
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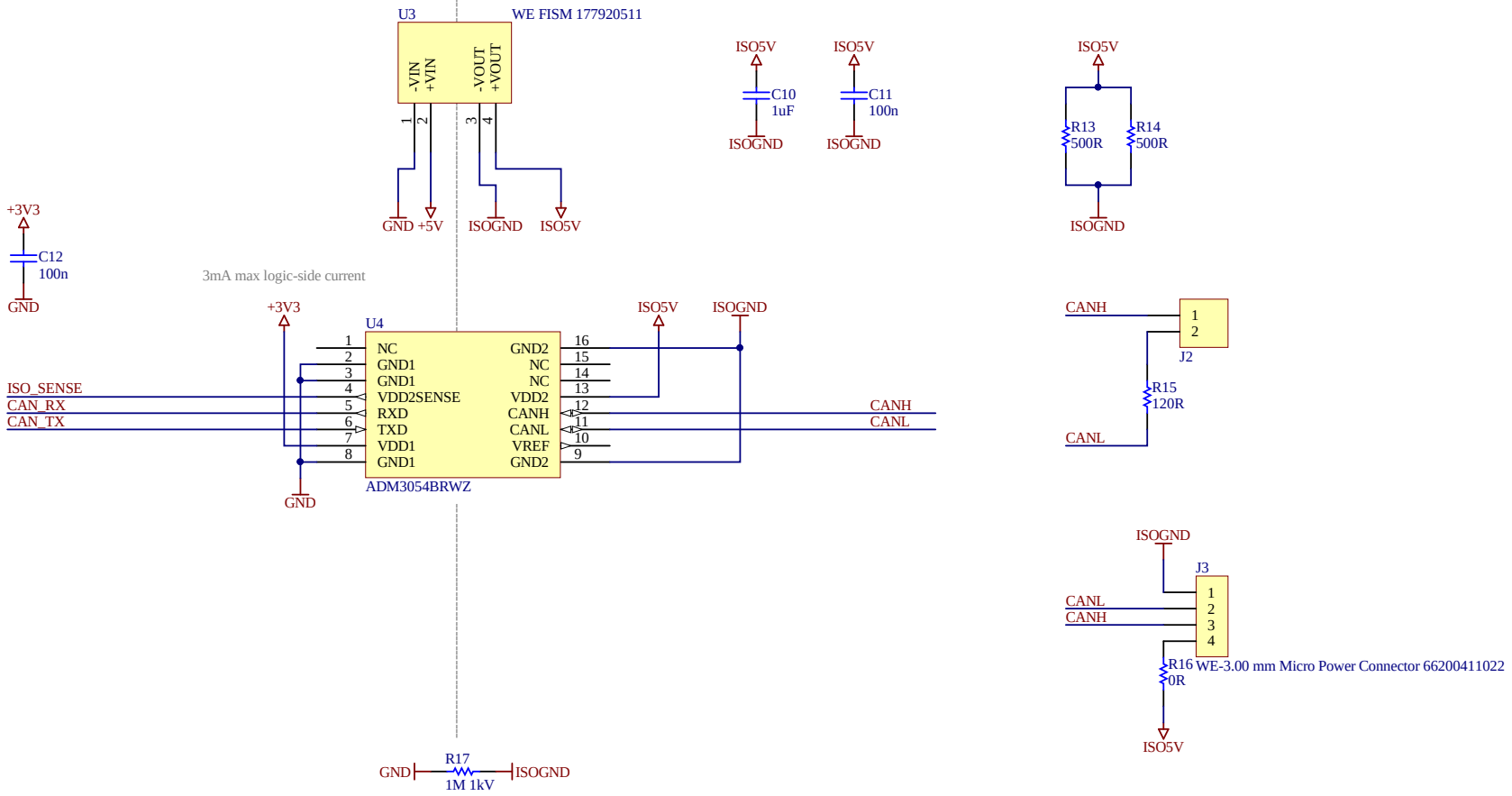
ISO5V power:
bias load 20mA => Iin = 20/0.45 = 50mA
1Mbit tx/rx 20mA + 55mA => Iin = 75/0.7 = 110 mA

Unregulated 5V, 0.2A max
1kV DC isolation

20mA bias current => 5V / 250Ohm
(5V)^2 / 500Ohm = 50 mW



Isolation, CAN driver, connectors	
Ocarina III	
Author: Martin Cejp	Version: 3001
Date: 6/18/2017	Sheet 2 of 2
File: 2_IsoCAN.SchDoc	

FORCE FEE PRAGUE FORMULA
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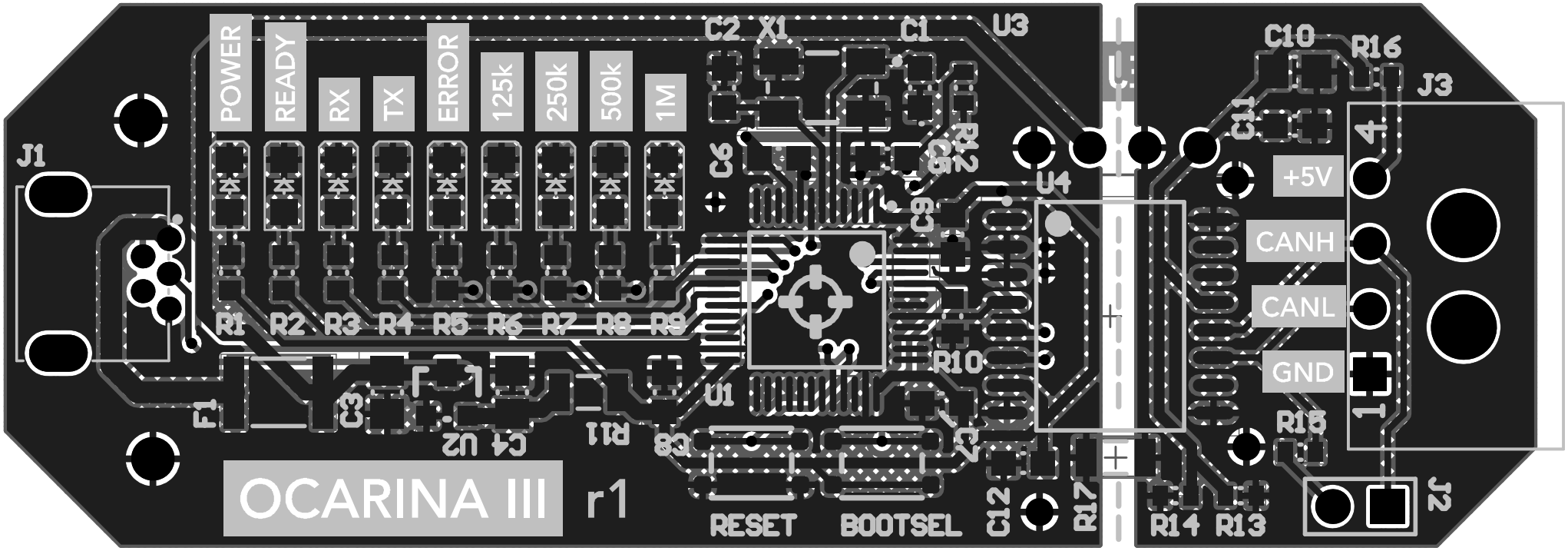
POWER
READY
RX
TX
ERROR
125k
250k
500k
1M
J1
J3
U3
U4
U1
U2
X1
C1
C2
C3
C4
C6
C8
C9
C10
C11
C12
R1
R2
R3
R4
R5
R6
R7
R8
R9
R10
R11
R12
R13
R14
R15
R16
R17
F1
+5V
CANH
CANL
GND
RESET
BOOTSEL
OCARINA III
r1