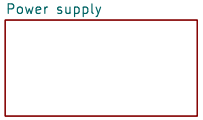

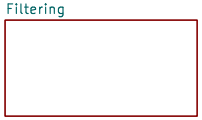

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Sheet: /
File: micro17.kicad_sch

Title: Micro17 – OpenRTX on a Module for Icom Radios

Size: A4	Date: 04.03.2024	**Rev: A**
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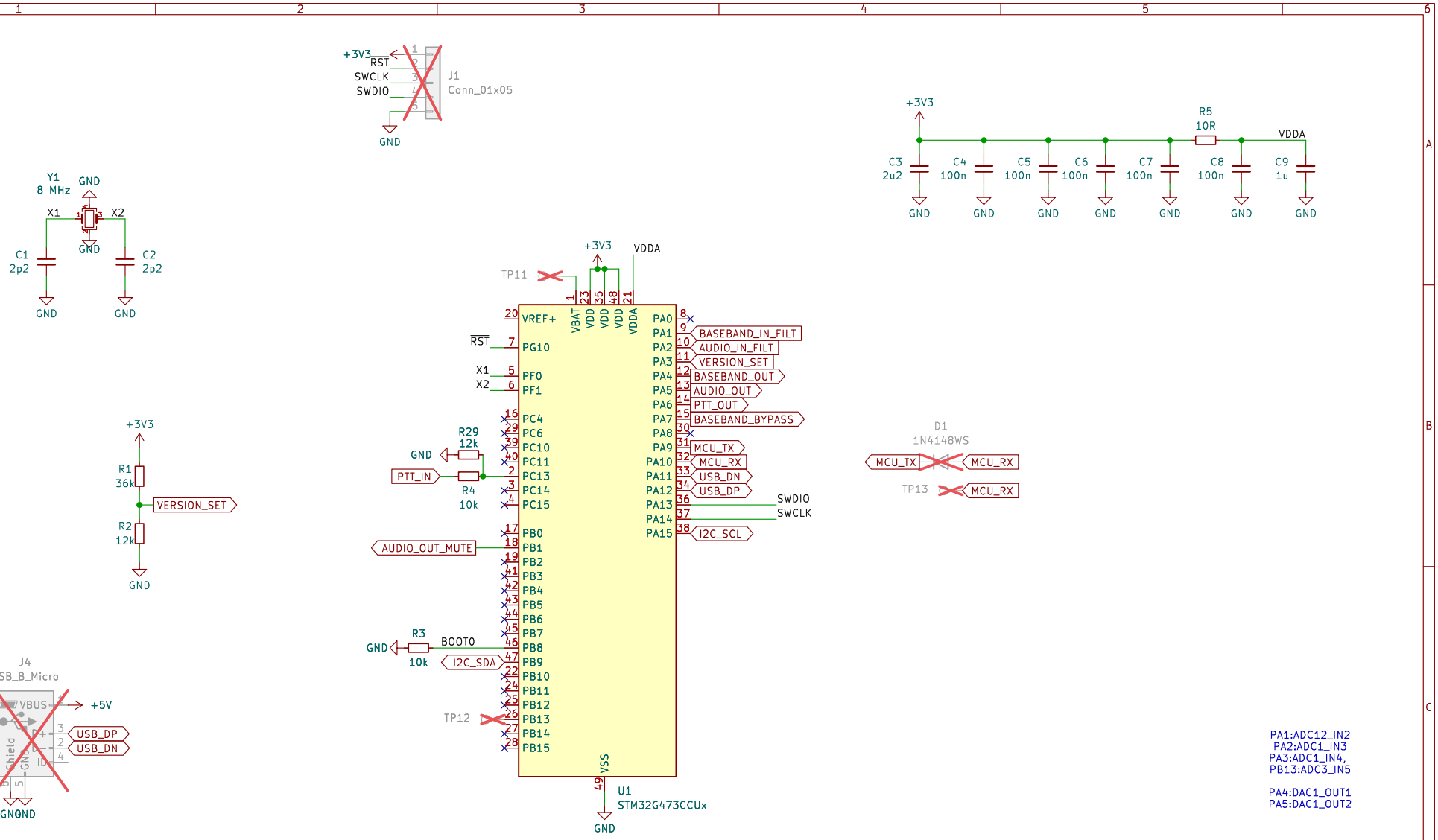

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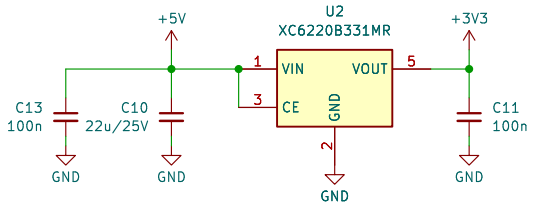

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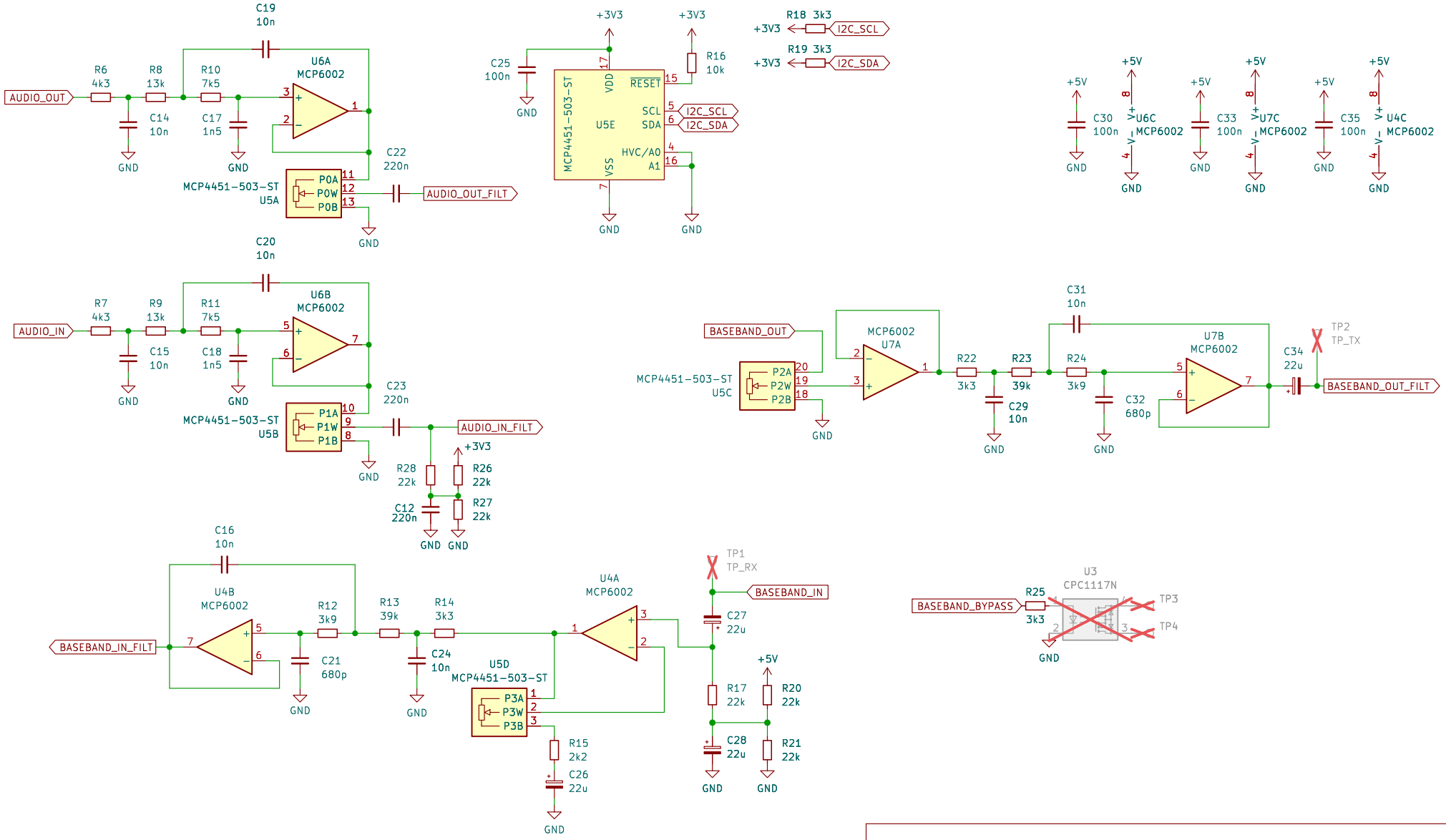
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4k3
R8
13k
R10
7k5
U6A
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AUDIO_OUT
C14
10n
C17
1n5
GND
C22
220n
MCP4451-503-ST
U5A
P0A
P0W
P0B
AUDIO_OUT_FILT
C25
100n
+3V3
MCP4451-503-ST
U5E
VDD
VSS
RESET
SCL
SDA
HVC/A0
A1
R16
10k
R18 3k3
R19 3k3
I2C_SCL
I2C_SDA
C30
100n
U6C
MCP6002
C33
100n
U7C
MCP6002
C35
100n
U4C
MCP6002
+5V
C20
10n
R7
4k3
R9
13k
R11
7k5
U6B
MCP6002
AUDIO_IN
C15
10n
C18
1n5
MCP4451-503-ST
U5B
P1A
P1W
P1B
C23
220n
AUDIO_IN_FILT
R28
22k
R26
22k
R27
22k
C12
220n
BASEBAND_OUT
MCP6002
U7A
MCP4451-503-ST
U5C
P2A
P2W
P2B
R22
3k3
R23
39k
C29
10n
C31
10n
R24
3k9
C32
680p
U7B
MCP6002
C34
22u
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TP_TX
BASEBAND_OUT_FILT
C16
10n
U4B
MCP6002
BASEBAND_IN_FILT
R12
3k9
C21
680p
R13
39k
R14
3k3
C24
10n
U4A
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U5D
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P3A
P3W
P3B
R15
2k2
C26
22u
TP1
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BASEBAND_IN
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22u
R17
22k
R20
22k
C28
22u
R21
22k
BASEBAND_BYPASS
R25
3k3
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Title: Micro17 – OpenRTX on a Module for Icom Radios
Size: A4
Date: 04.03.2024
Rev: A
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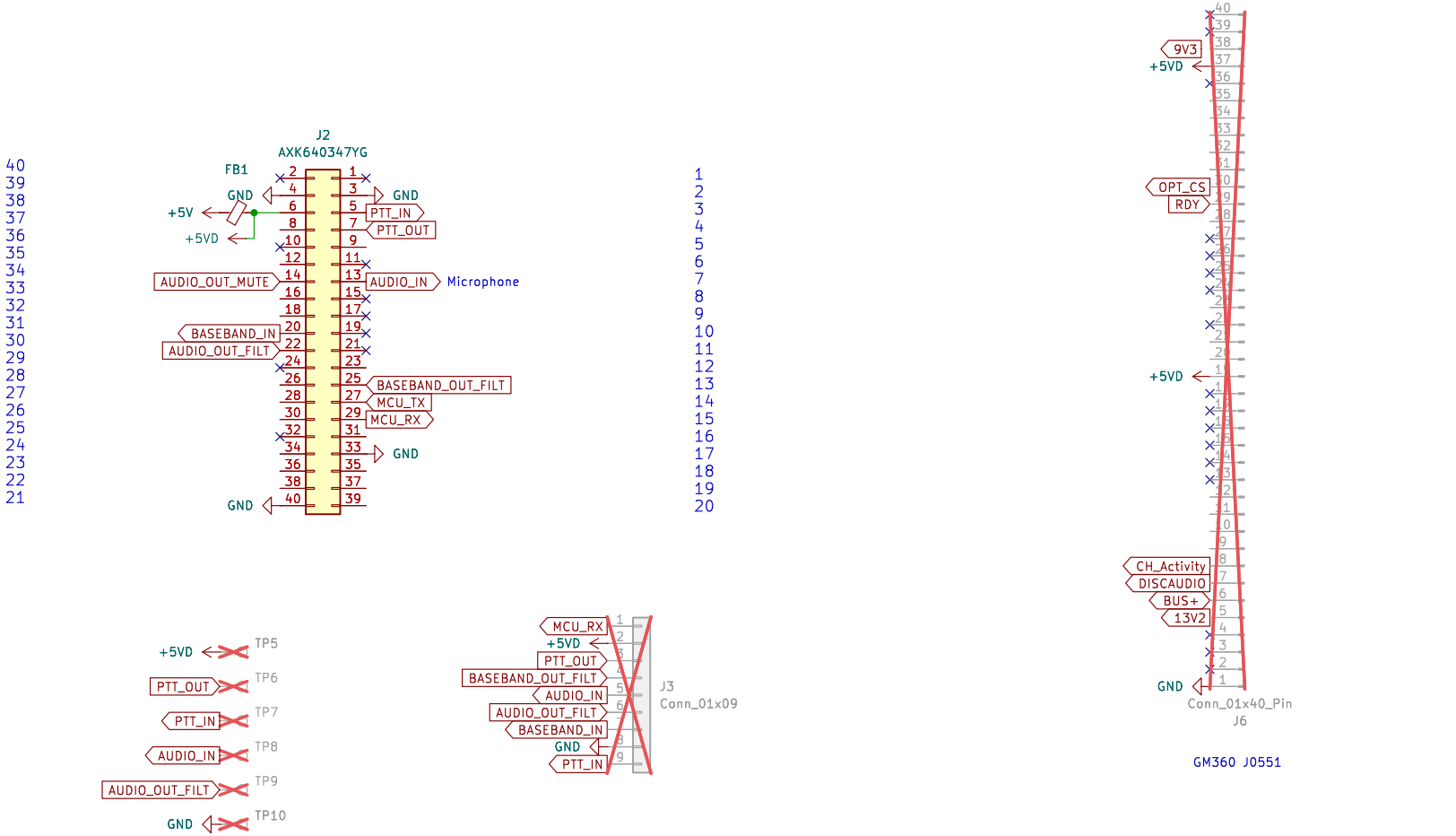

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