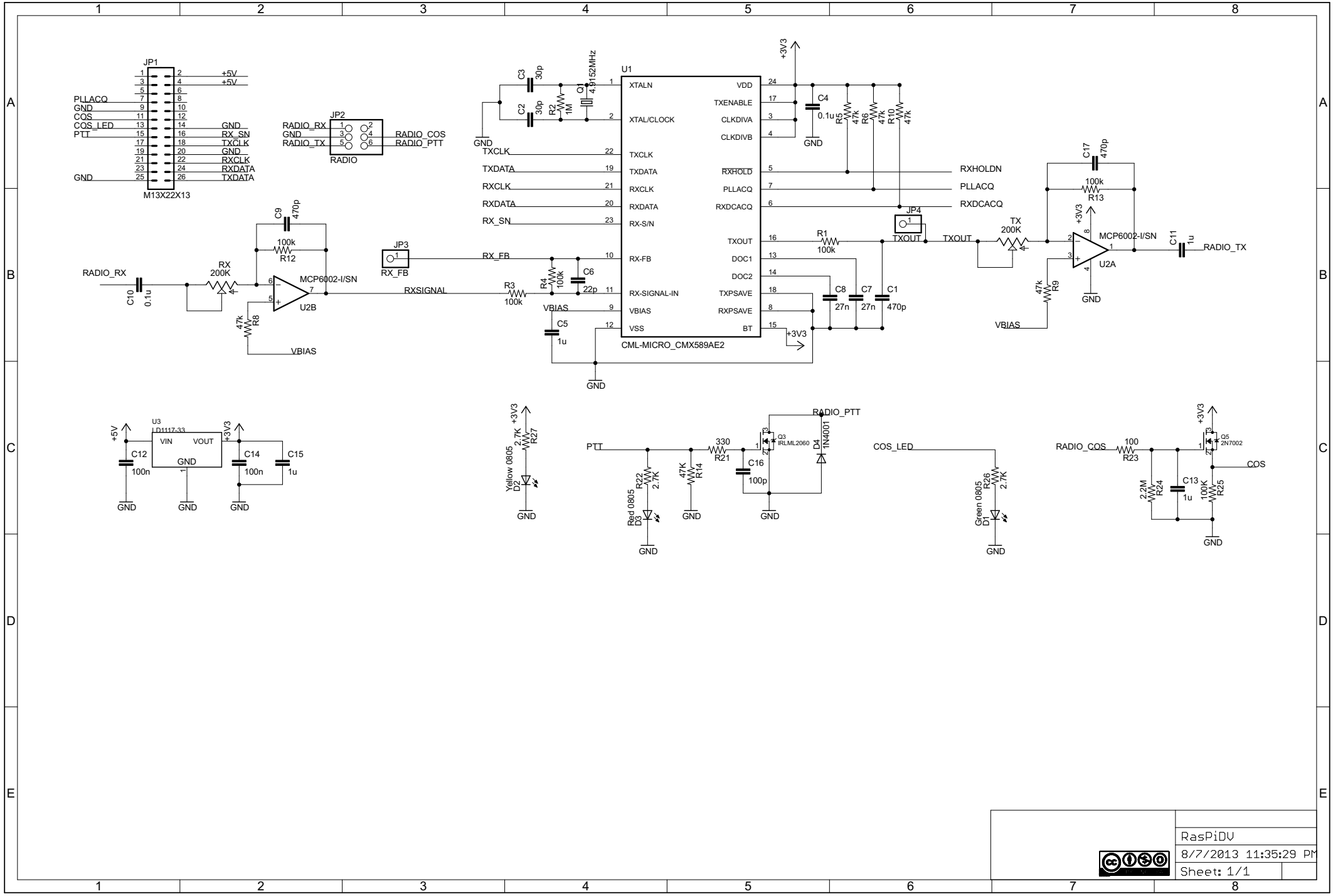
JP1
M13X22X13
PLLACQ
GND
COS
COS_LED
PTT
GND
+5V
+5V
GND
RX_SN
TXCLK
GND
RXCLK
RXDATA
TXDATA
JP2
RADIO
RADIO_RX
GND
RADIO_TX
RADIO_COS
RADIO_PTT
U1
CML-MICRO_CMX589AE2
XTALN
XTAL/CLOCK
TXCLK
TXDATA
RXCLK
RXDATA
RX-S/N
RX-FB
RX-SIGNAL-IN
VBIAS
VSS
VDD
TXENABLE
CLKDIVA
CLKDIVB
RXHOLD
PLLACQ
RXDCACQ
TXOUT
DOC1
DOC2
TXPSAVE
RXPSAVE
BT
C3 30p
C2 30p
R2 1M
Q1 4.9152MHz
C4 0.1u
R5 47k
R6 47k
R10 47k
+3V3
RXHOLDN
PLLACQ
RXDCACQ
JP4
TXOUT
R1 100k
C8 27n
C7 27n
C1 470p
C5 1u
JP3
RX_FB
R3 100k
R4 100k
C6 22p
RXSIGNAL
C9 470p
R12 100k
RX 200K
RADIO_RX
C10 0.1u
MCP6002-I/SN
U2B
47k R8
VBIAS
TX 200K
C17 470p
R13 100k
MCP6002-I/SN
U2A
C11 1u
RADIO_TX
47k R9
VBIAS
GND
U3
D1117-33
VIN
VOUT
GND
C12 100n
C14 100n
C15 1u
+5V
+3V3
Yellow 0805
D2
R27 2.7K
PTT
R22 2.7K
Red 0805
D3
47K R14
R21 330
C16 100p
Q3 IRLML2060
D4 1N4001
RADIO_PTT
COS_LED
R26 2.7K
Green 0805
D1
RADIO_COS
R23 100
Q5 2N7002
COS
2.2M R24
C13 1u
100K R25
RasPiDV
8/7/2013 11:35:29 PM
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