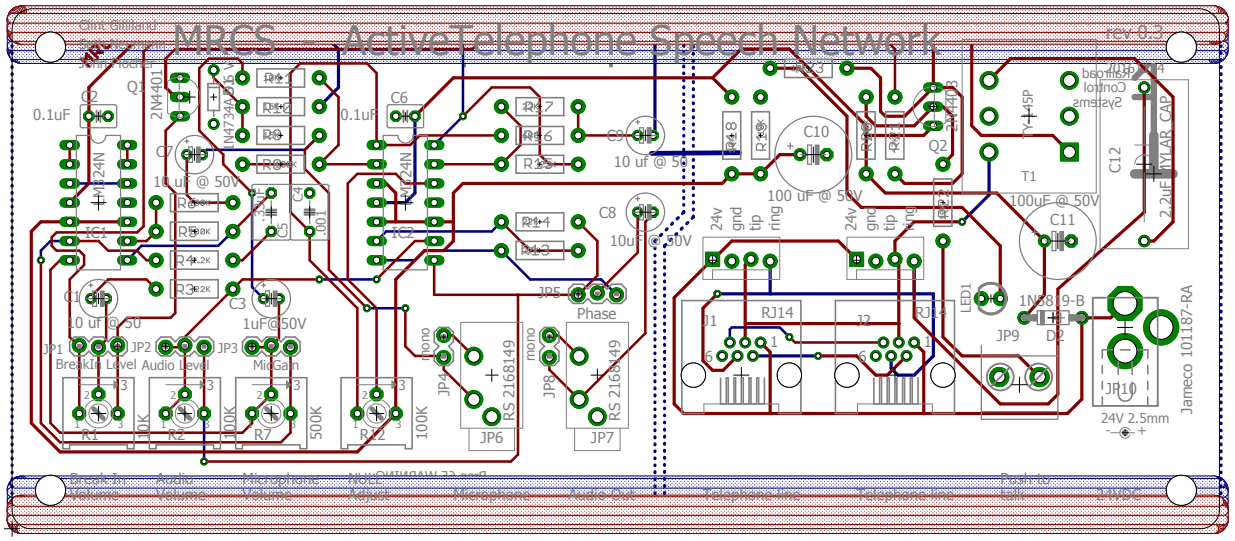
MRCS - Active Telephone Speech Network
rev 0.3
Chris Gilliard
Seth Nelson
Break-In Volume
Audio Volume
Microphone Volume
NOT Adjust
Microphone
Audio Out
Telephone line
Telephone line
Push-to-talk
14VDC
Breakin Level
Audio Level
MicGain
Phase
mono
mono
24v
gnd
tip
ring
24v
gnd
tip
ring
RJ14
RJ14
24V 2.5mm
Jameco 101187-RA
1N5819-B
LED1
JP9
JP10
D2
T1
Q1
Q2
2N4401
2N4403
IC1
IC2
JP1
JP2
JP3
JP4
JP5
JP6
JP7
JP8
R1
R2
R7
R12
C1
C2
C3
C4
C5
C6
C7
C8
C9
C10
C11
C12
0.1uF
10 uF @ 50V
1uF@50V
10uF @ 50V
100 uF @ 50V
100uF @ 50V
2.2uF MYLAR CAP
RS 2168149
RS 2168149
10K
100K
100K
500K
100K