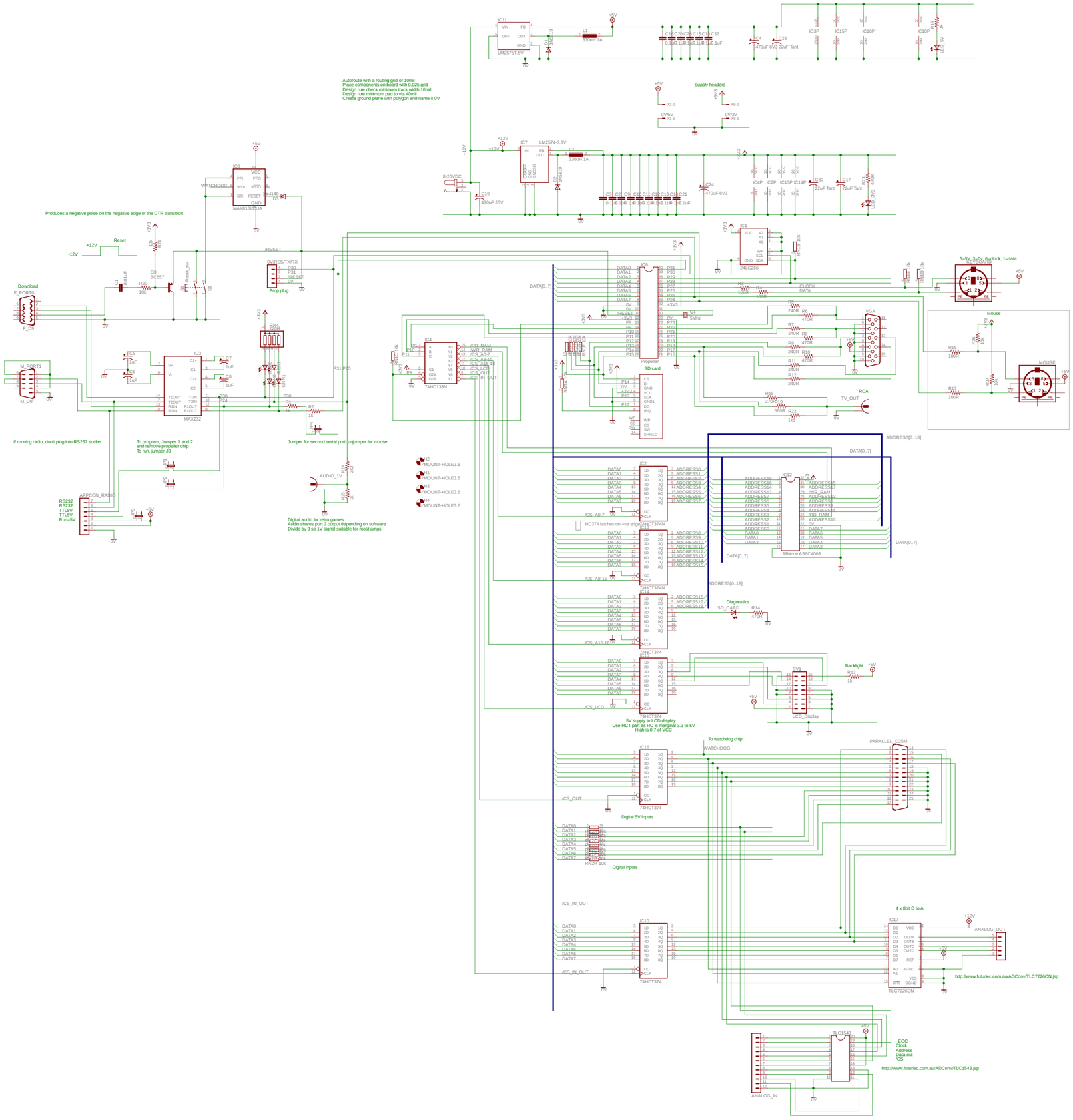
Autoroute with a routing grid of 10mil
Place components on board with 0.025 grid
Design rule check minimum track width 10mil
Design rule minimum pad to via 40mil
Create ground plane with polygon and name it 0V
Supply headers
Produces a negative pulse on the negative edge of the DTR transition
Reset
Download
F_PORT0
F_D9
M_PORT1
M_D9
Prop plug
If running radio, don't plug into RS232 socket
To program, Jumper 1 and 2
and remove propeller chip
To run, jumper J3
Jumper for second serial port, unjumper for mouse
Digital audio for retro games
Audio shares port 2 output depending on software
Divide by 3 so 1V signal suitable for most amps
Propeller
SD card
VGA
RCA
Mouse
5=5V, 3=0V, 6=clock, 1=data
Diagnostics
5V supply to LCD display
Use HCT part as HC is marginal 3.3 to 5V
High is 0.7 of VCC
Digital 5V inputs
Digital inputs
4 x 8bit D to A
http://www.futurlec.com.au/ADConv/TLC7226CN.jsp
http://www.futurlec.com.au/ADConv/TLC1543.jsp
EOC
Clock
Address
Data out
/CS
Alliance AS6C4008
LCD_Display
Backlight
TLC7226CN
TLC1543
ANALOG_IN
ANALOG_OUT
PARALLEL_D25M
To watchdog chip