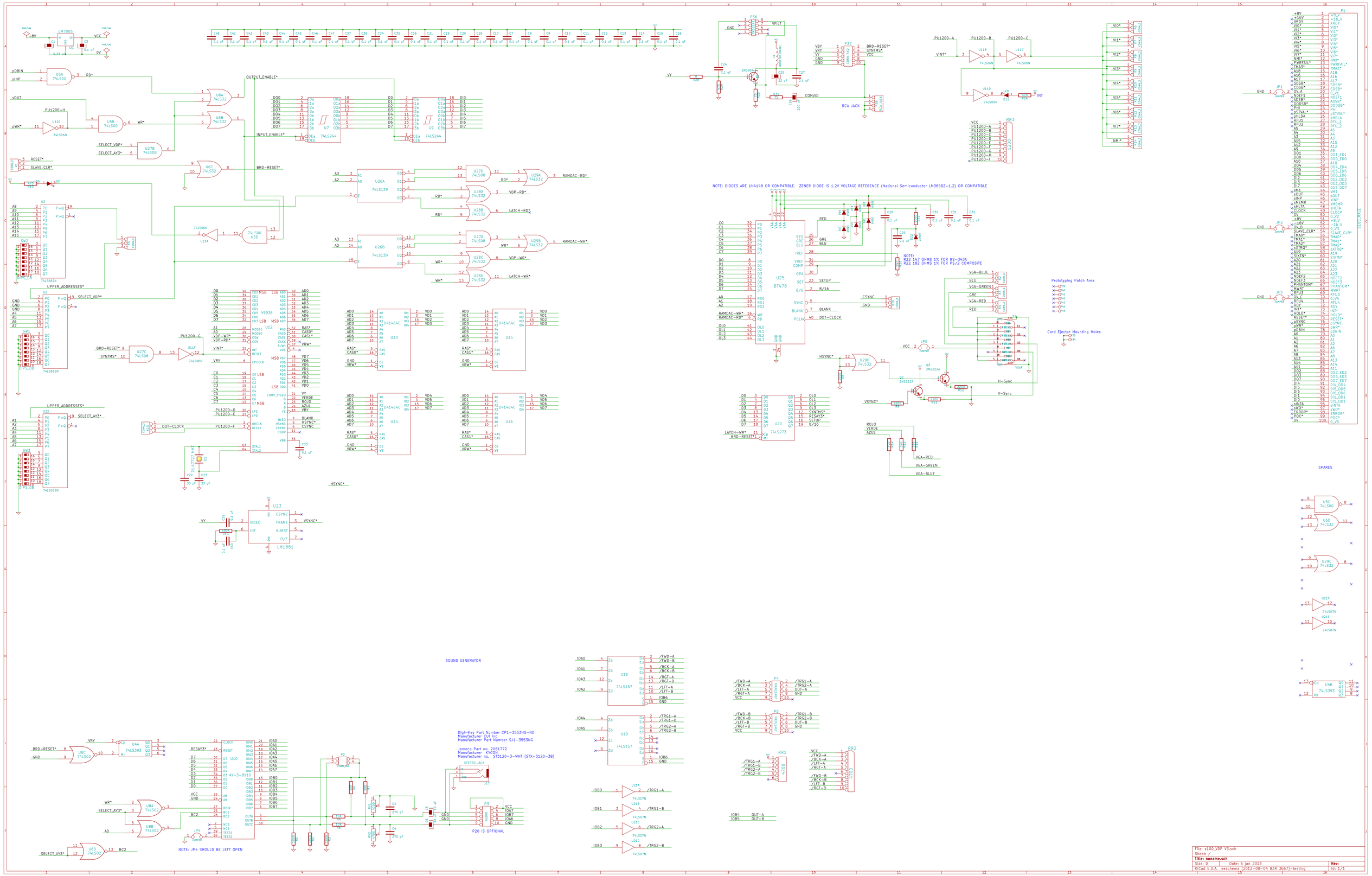
LM7805
U1
+8V
VCC
0V
pDBIN
sINP
sOUT
pWR*
RD*
WR*
U5A 74LS00
U5B 74LS00
U11E 74LS06N
U6A 74LS32
U6B 74LS32
U6C 74LS32
U27B 74LS08
U7 74LS244
U9 74LS244
OUTPUT_ENABLE*
INPUT_ENABLE*
SELECT_VDP*
SELECT_AY3*
BRD-RESET*
RESET*
SLAVE_CLR*
U26A 74LS139
U26B 74LS139
U27D 74LS08
U28A 74LS32
U28B 74LS32
U27A 74LS08
U28C 74LS32
U28D 74LS32
U29A 74LS32
U29B 74LS32
RAMDAC-RD*
VDP-RD*
LATCH-RD*
RAMDAC-WR*
VDP-WR*
LATCH-WR*
U3 74LS682N
U2 74LS682N
U12 V9938
U13 D41464C
U14 D41464C
U15 D41464C
U16 D41464C
U20 74LS273
U25 BT47B
U27C 74LS08
U11F 74LS06N
U11A 74LS06N
U5D 74LS00
U23 LM1881
VIDEO
INT
CSYNC
FRAME
BURST
O/E
DOT-CLOCK
PU1200-F
PU1200-D
PU1200-E
VINT*
VRY
VY
VSYNC*
HSYNC*
COMVID
RCA JACK
P36
P37
VFILT
2N3904
U29D 74LS32
Q3 2N2222A
Q2 2N2222A
JP5
H-Sync
V-Sync
VGA-RED
VGA-GREEN
VGA-BLUE
ROJO
VERDE
AZUL
NOTE: DIODES ARE 1N4148 OR COMPATIBLE. ZENER DIODE IS 1.2V VOLTAGE REFERENCE (National Semiconductor LM385BZ-1.2) OR COMPATIBLE
NOTE: R22 147 OHMS 1% FOR RS-343A
R22 182 OHMS 1% FOR PS/2 COMPOSITE
Prototyping Patch Area
Card Ejector Mounting Holes
P1
SLOT_MULE
SPARES
U5C 74LS00
U6D 74LS32
U29C 74LS32
U21F 74LS07N
U21E 74LS07N
U4B 74LS393
SOUND GENERATOR
U18 74LS157
U19 74LS157
U21A 74LS07N
U21B 74LS07N
U21C 74LS07N
U21D 74LS07N
P4
P5
RR1
RR2
U8C 74LS02
U4A 74LS393
U8A 74LS02
U8B 74LS02
U8D 74LS02
U10 AY-3-8910
JP4
NOTE: JP4 SHOULD BE LEFT OPEN
Digi-Key Part Number CP1-3553NG-ND
Manufacturer CUI Inc
Manufacturer Part Number SJ1-3553NG
Jameco Part no. 2081772
Manufacturer KYCON
Manufacturer no. ST3120-3-WHT (STX-3120-38)
STEREO_JACK
U17
P3
AUDIO
P20 IS OPTIONAL
File: s100_VDP V3.sch
Sheet: /
Title: noname.sch
Size: D
Date: 6 jan 2013
Rev:
KiCad E.D.A. eeschema (2012-08-04 BZR 3667)-testing
Id: 1/1