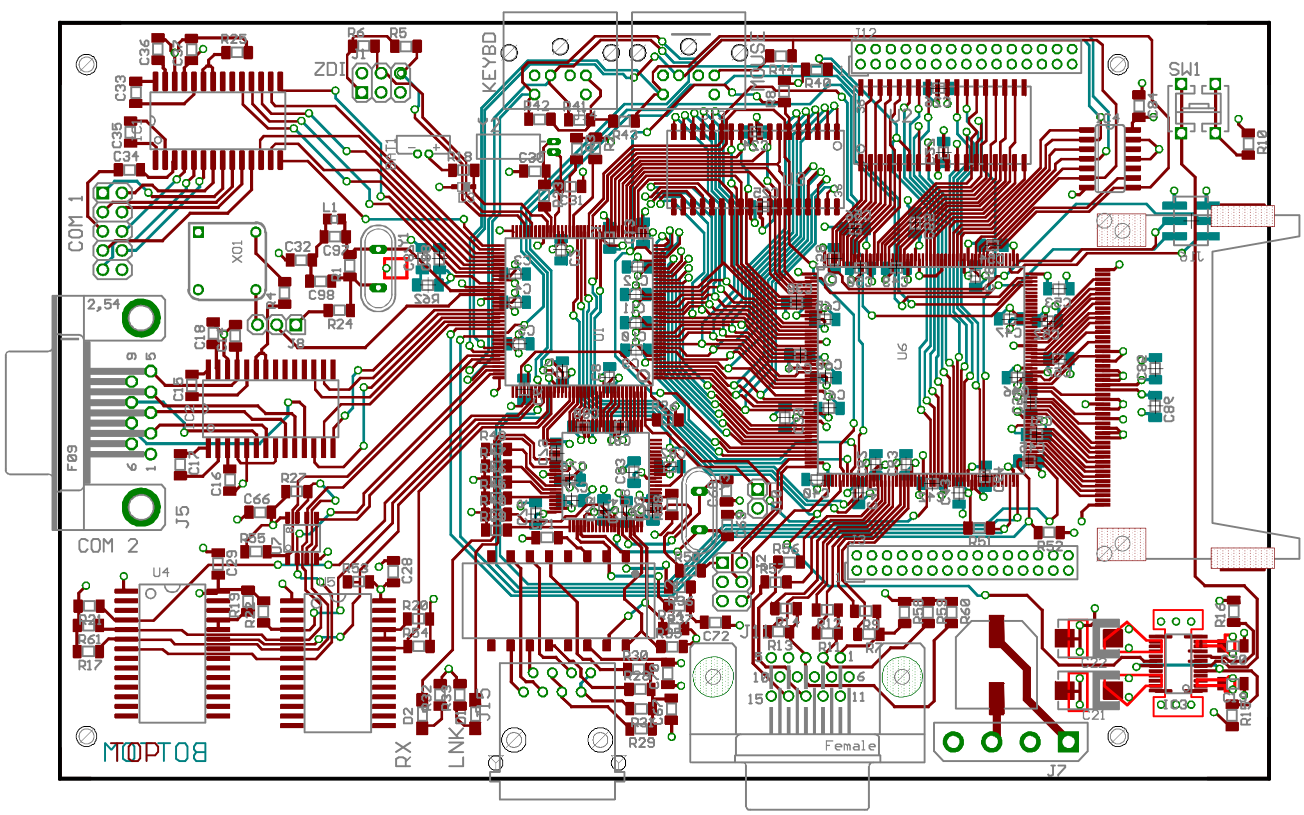
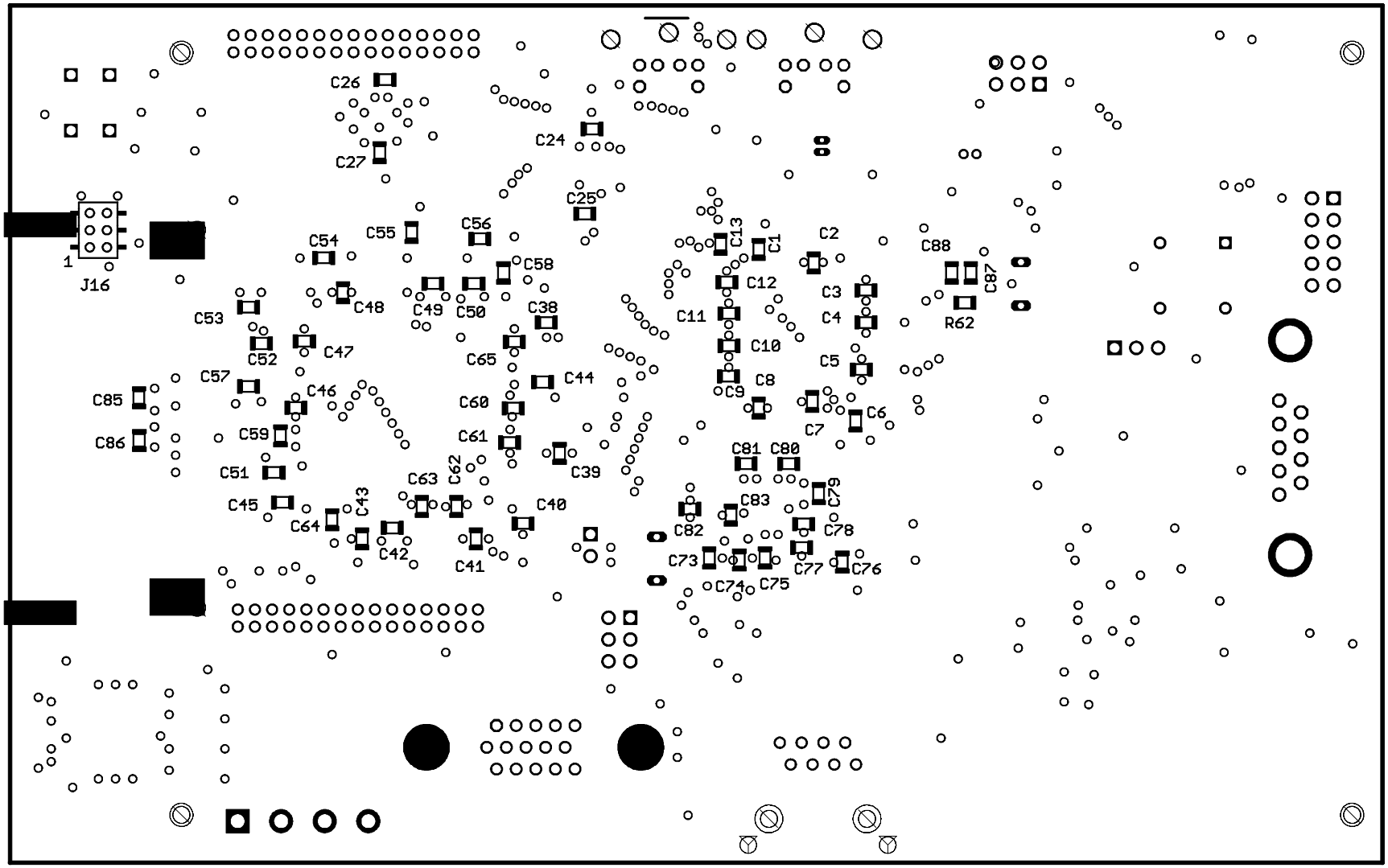
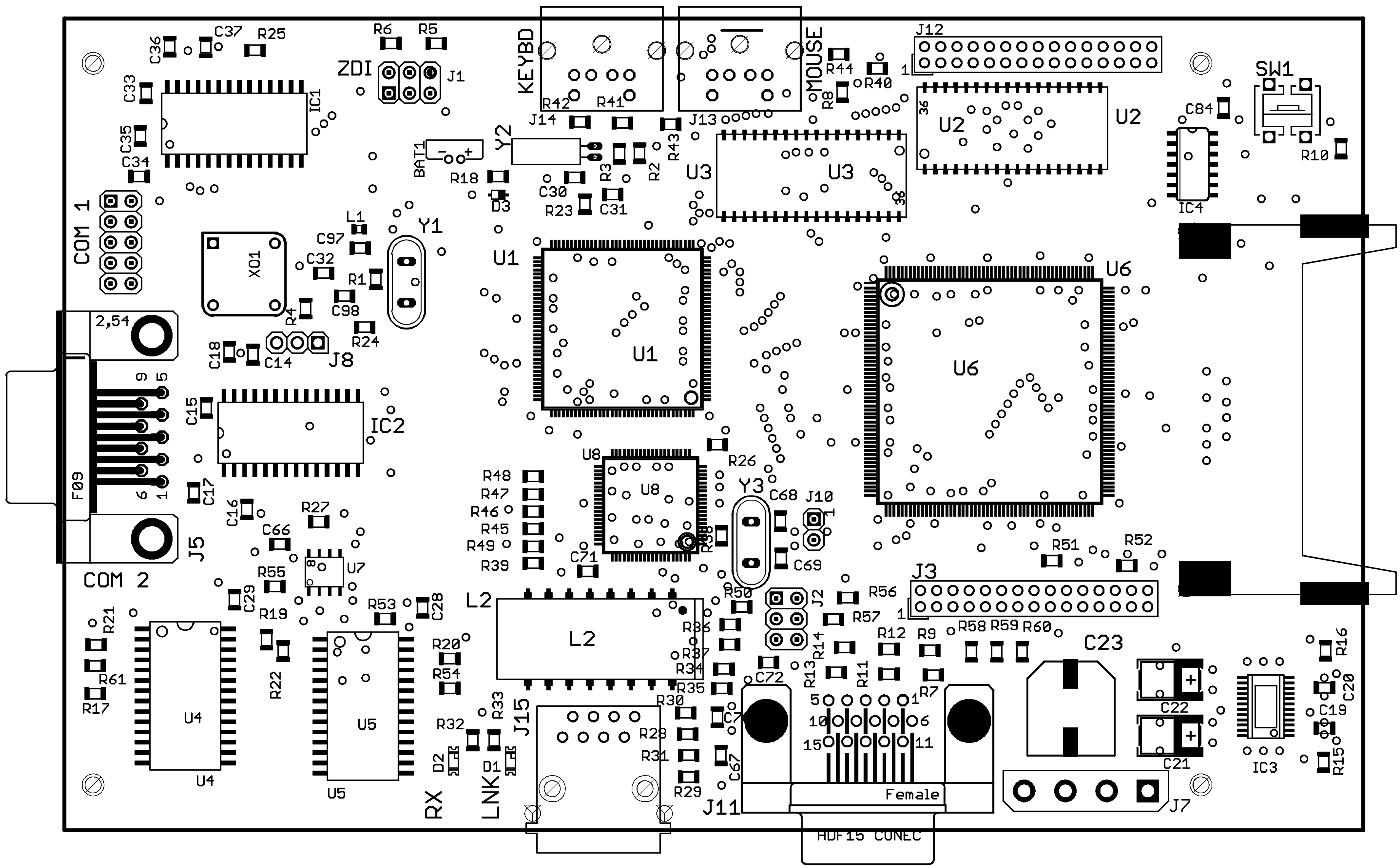
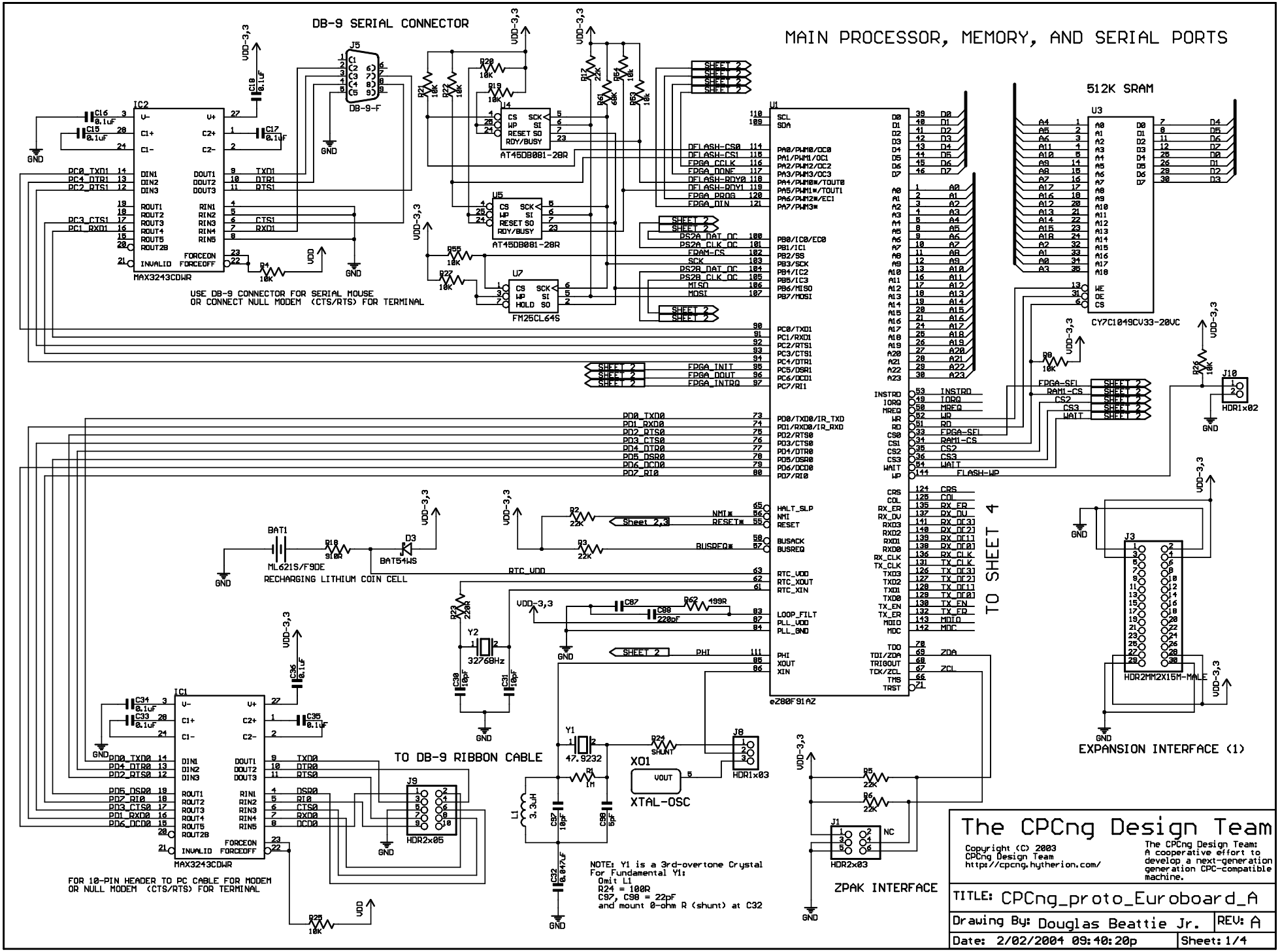

ZDI
KEYBD
COM 1
COM 2
J5
SW1
RX
LNK
J15
J7
Female
U4
U6


C26
C27
C24
C25
C54
C55
C56
C58
C48
C49
C50
C38
C53
C52
C47
C65
C44
C57
C46
C60
C85
C86
C59
C61
C39
C51
C63
C62
C43
C45
C64
C42
C40
C41
J16
1
C13
C1
C2
C88
C87
C12
C3
C11
C4
R62
C10
C5
C8
C9
C6
C7
C81
C80
C79
C83
C82
C78
C73
C77
C76
C74
C75


ZDI
J1
KEYBD
MOUSE
J12
SW1
R6
R5
C36
C37
R25
C33
IC1
C35
C34
COM 1
BAT1
Y2
J14
J13
R42
R41
R44
R40
R8
U2
U3
R43
R3
R2
R18
C30
D3
R23
C31
C84
R10
IC4
L1
Y1
C97
C32
XO1
R1
C98
R4
R24
U1
U6
2,54
C18
C14
J8
C15
IC2
F09
C17
C16
R27
C66
J5
COM 2
U8
R48
R47
R46
R45
R49
R39
R26
Y3
C68
J10
C69
C71
R38
R51
R52
J3
R55
U7
C29
R19
R53
C28
R21
R61
R17
U4
R22
U5
L2
R20
R54
R33
R32
J15
D2
D1
RX
LNK
R50
J2
R56
R57
R36
R37
R34
R35
R30
R28
R31
R29
C7
C67
C72
R14
R13
R11
R12
R9
R58
R59
R60
R7
C23
C22
C21
R16
C20
C19
R15
IC3
J11
Female
HDF15 CONEC
J7


MAIN PROCESSOR, MEMORY, AND SERIAL PORTS
DB-9 SERIAL CONNECTOR
512K SRAM
TO SHEET 4
TO DB-9 RIBBON CABLE
EXPANSION INTERFACE (1)
ZPAK INTERFACE
XTAL-OSC
RECHARGING LITHIUM COIN CELL
USE DB-9 CONNECTOR FOR SERIAL MOUSE
OR CONNECT NULL MODEM (CTS/RTS) FOR TERMINAL
FOR 10-PIN HEADER TO PC CABLE FOR MODEM
OR NULL MODEM (CTS/RTS) FOR TERMINAL
NOTE: Y1 is a 3rd-overtone Crystal
For Fundamental Y1:
Omit L1
R24 = 100R
C97, C98 = 22pF
and mount 0-ohm R (shunt) at C32
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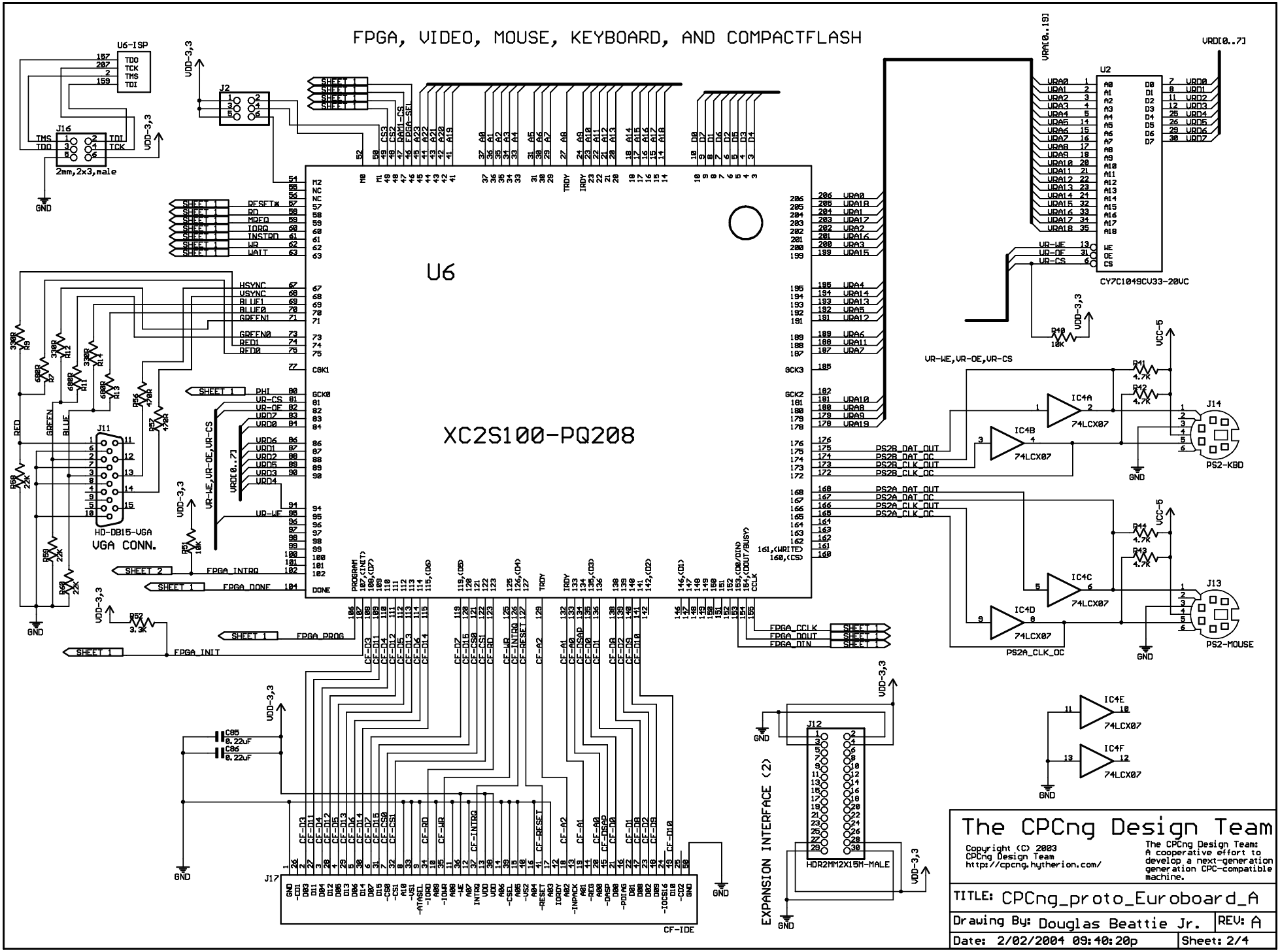
A cooperative effort to
develop a next-generation
generation CPC-compatible
machine.
TITLE: CPCng_proto_Euroboard_A
Drawing By: Douglas Beattie Jr.
REV: A
Date: 2/02/2004 09:40:20p
Sheet: 1/4


FPGA, VIDEO, MOUSE, KEYBOARD, AND COMPACTFLASH
U6
XC2S100-PQ208
U6-ISP
J2
J16
2mm,2x3,male
U2
CY7C1049CV33-20VC
J11
HD-DB15-VGA
VGA CONN.
IC4A
IC4B
IC4C
IC4D
IC4E
IC4F
74LCX07
J14
PS2-KBD
J13
PS2-MOUSE
PS2A_CLK_OC
J12
HDR2MM2X15M-MALE
EXPANSION INTERFACE (2)
J17
CF-IDE
C85
0.22uF
C86
0.22uF
VDD-3,3
VCC-5
GND
VR-WE,VR-OE,VR-CS
VRD[0..7]
VRA[0..19]
FPGA_INTRQ
FPGA_DONE
FPGA_PROG
FPGA_INIT
FPGA_CCLK
FPGA_DOUT
FPGA_DIN
PS2B_DAT_OUT
PS2B_DAT_OC
PS2B_CLK_OUT
PS2B_CLK_OC
PS2A_DAT_OUT
PS2A_DAT_OC
PS2A_CLK_OUT
PS2A_CLK_OC
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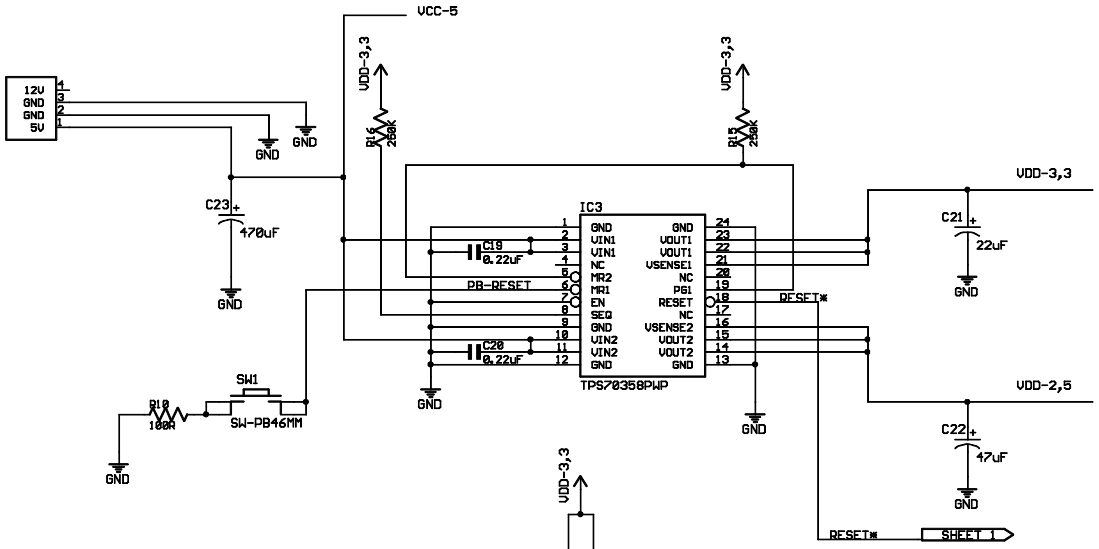
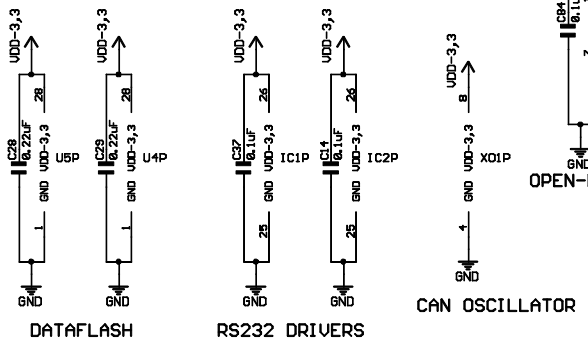
Sheet: 2/4

POWER SUPPLY AND RESET CIRCUIT



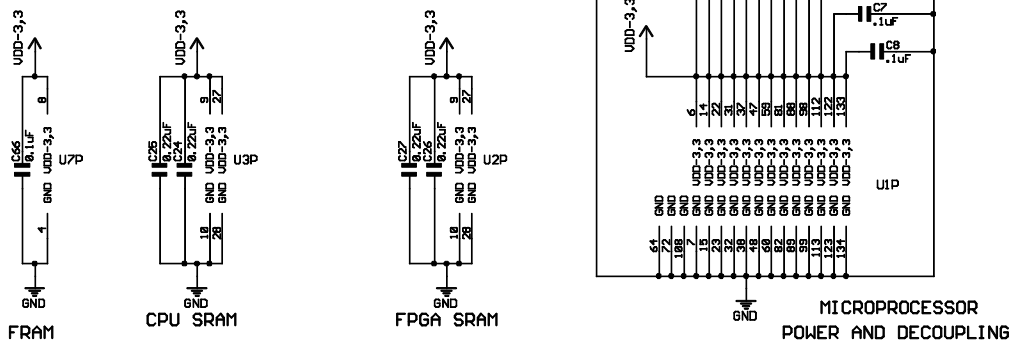


DATAFLASH

RS232 DRIVERS

CAN OSCILLATOR

OPEN-DRAIN BUFFER

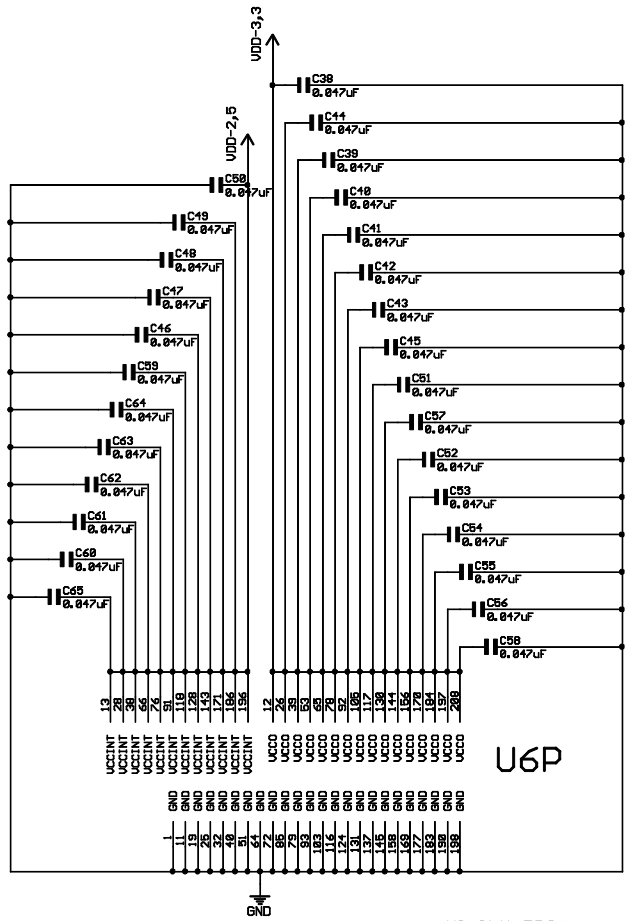


FRAM

CPU SRAM

FPGA SRAM

MICROPROCESSOR
POWER AND DECOUPLING



XILINX FPGA
POWER AND DECOUPLING

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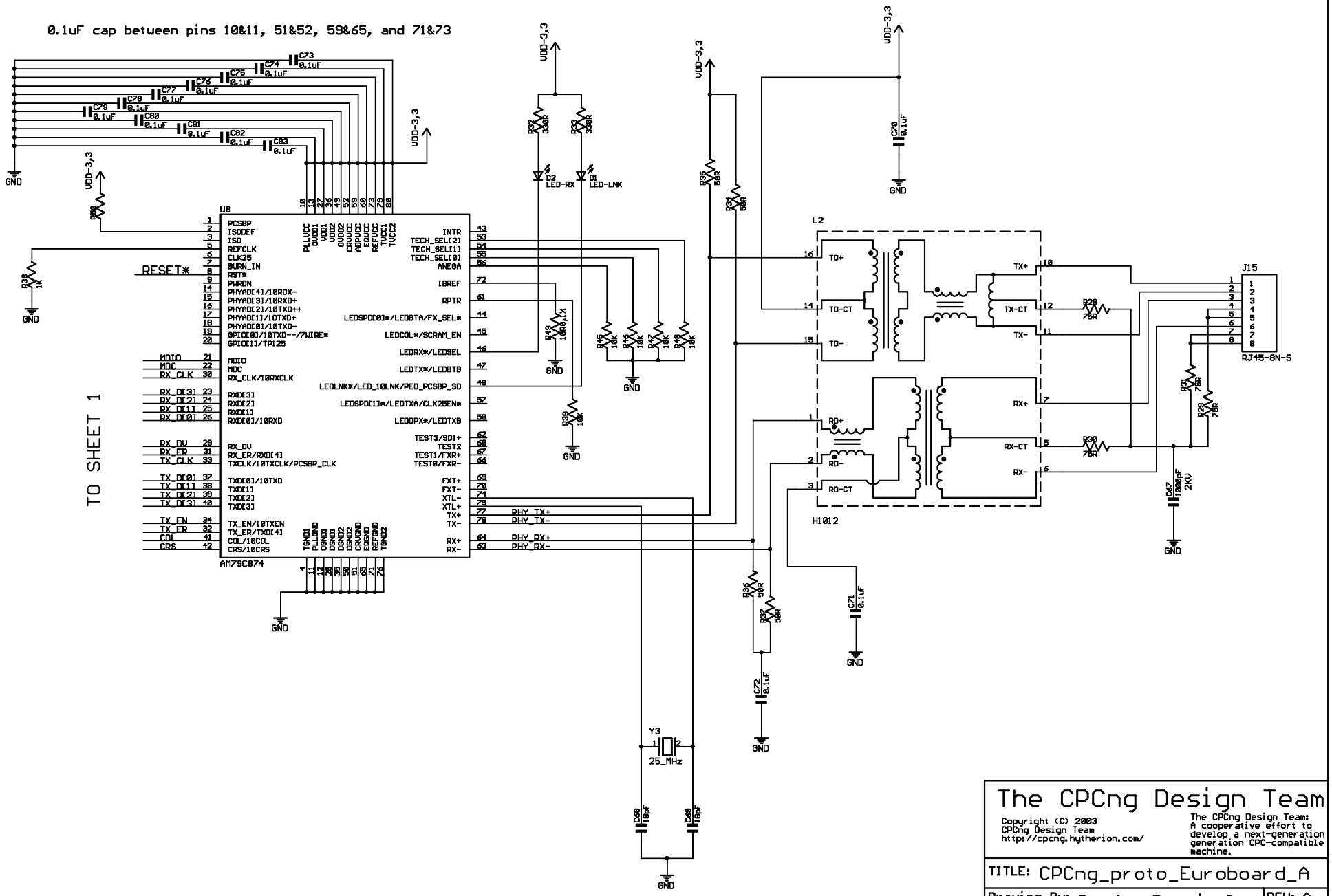
ETHERNET PHY CIRCUIT AND CONNECTOR



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Date: 2/02/2004 09:40:20p	Sheet: 4/4