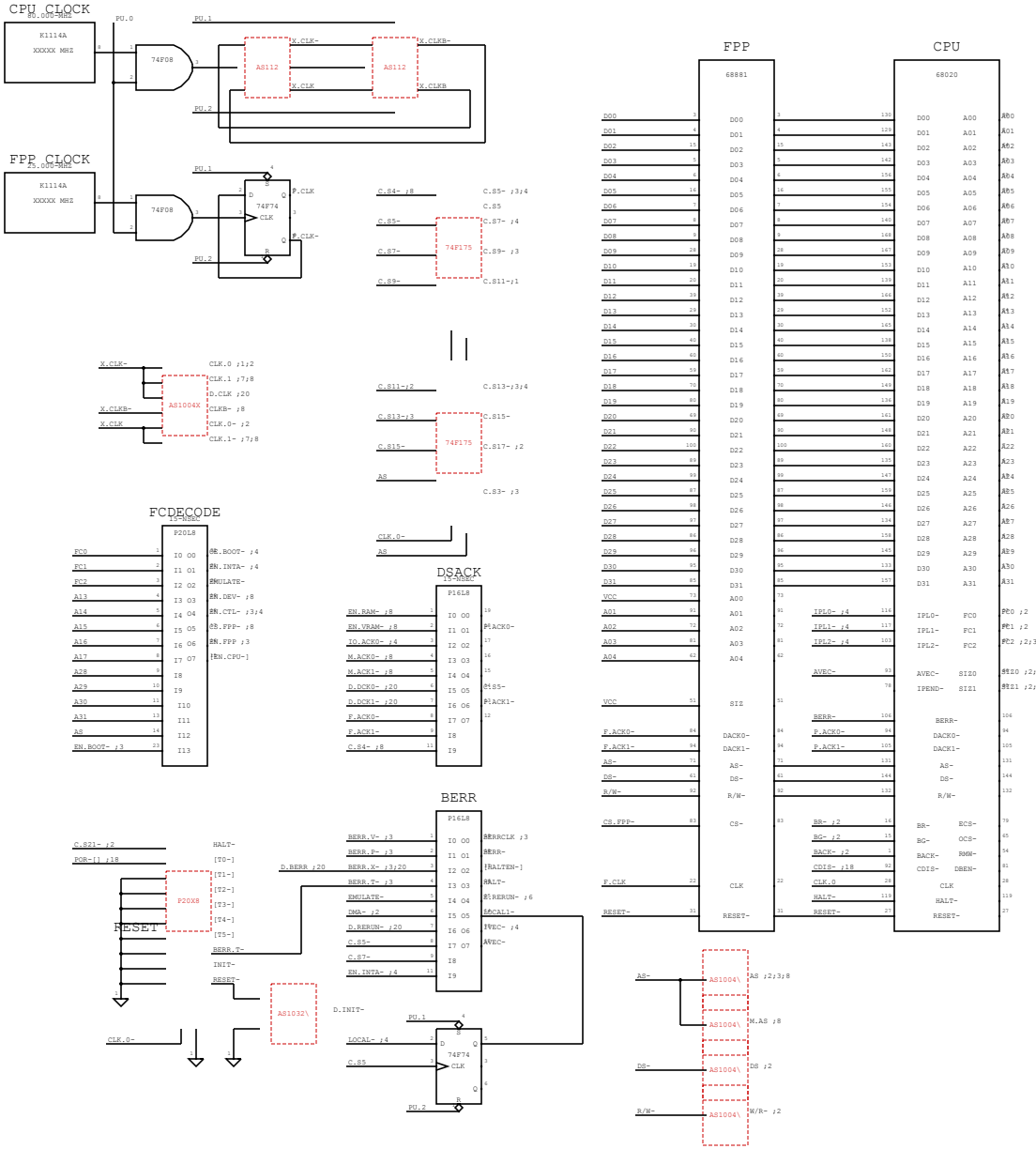
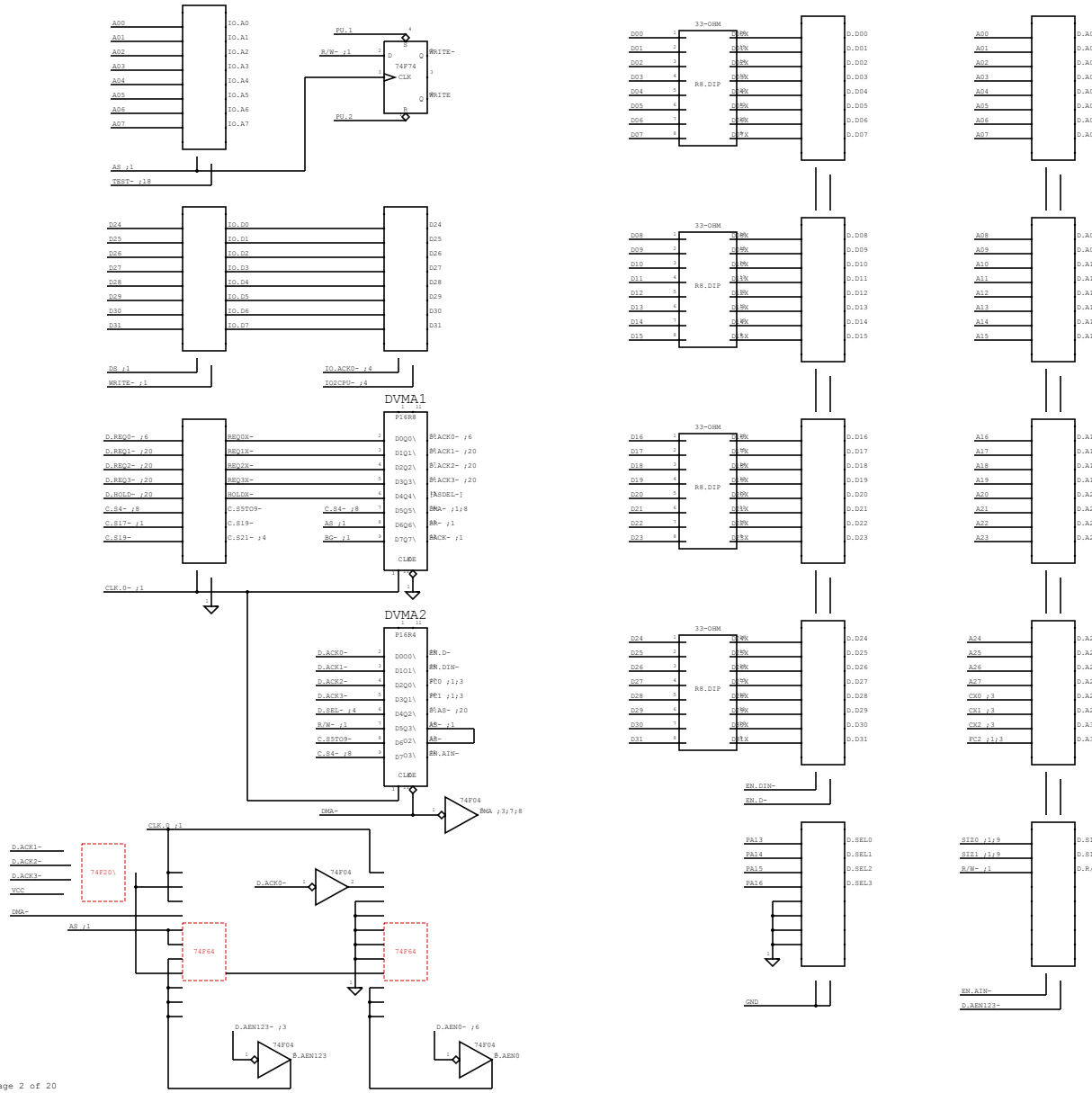
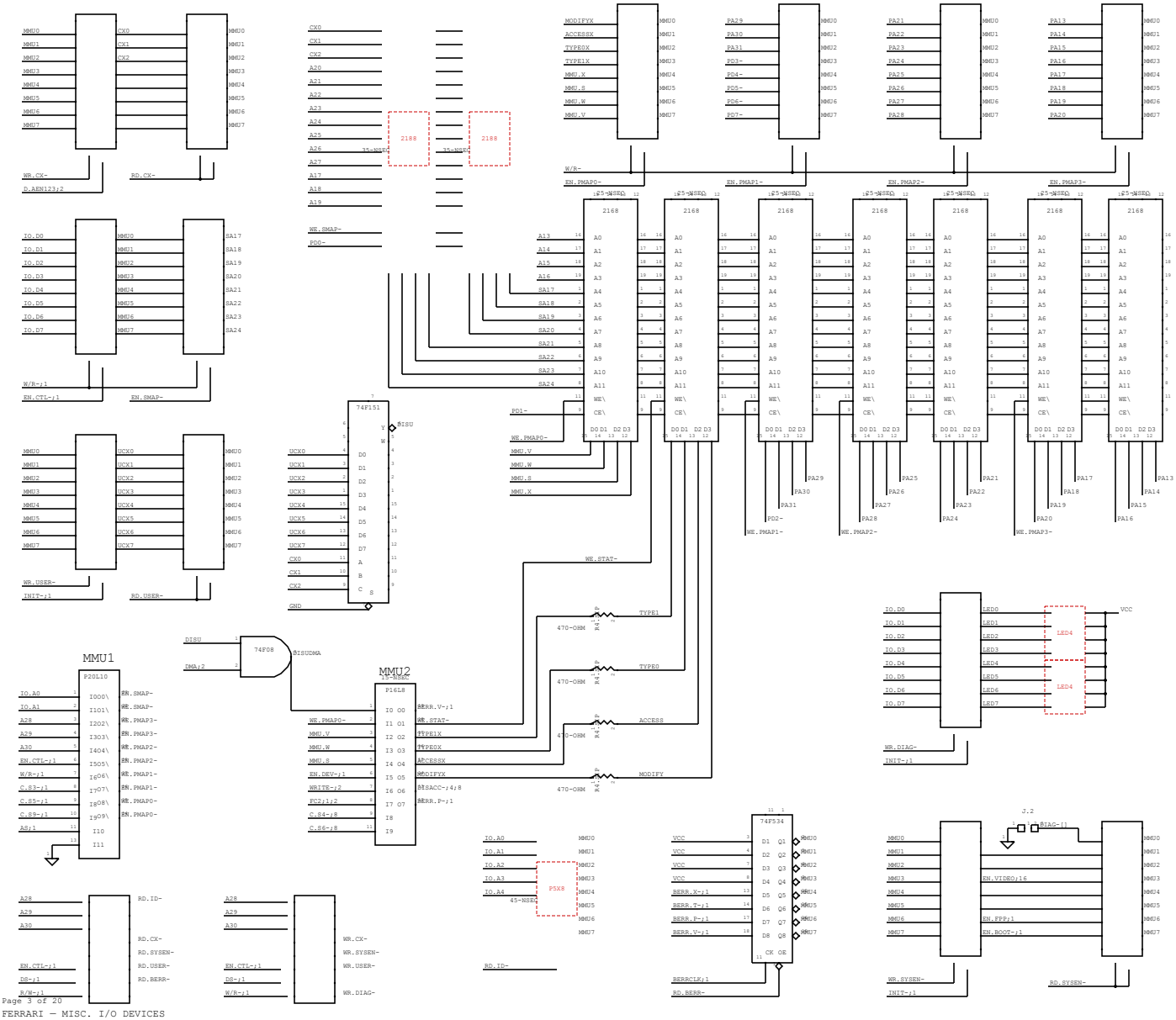
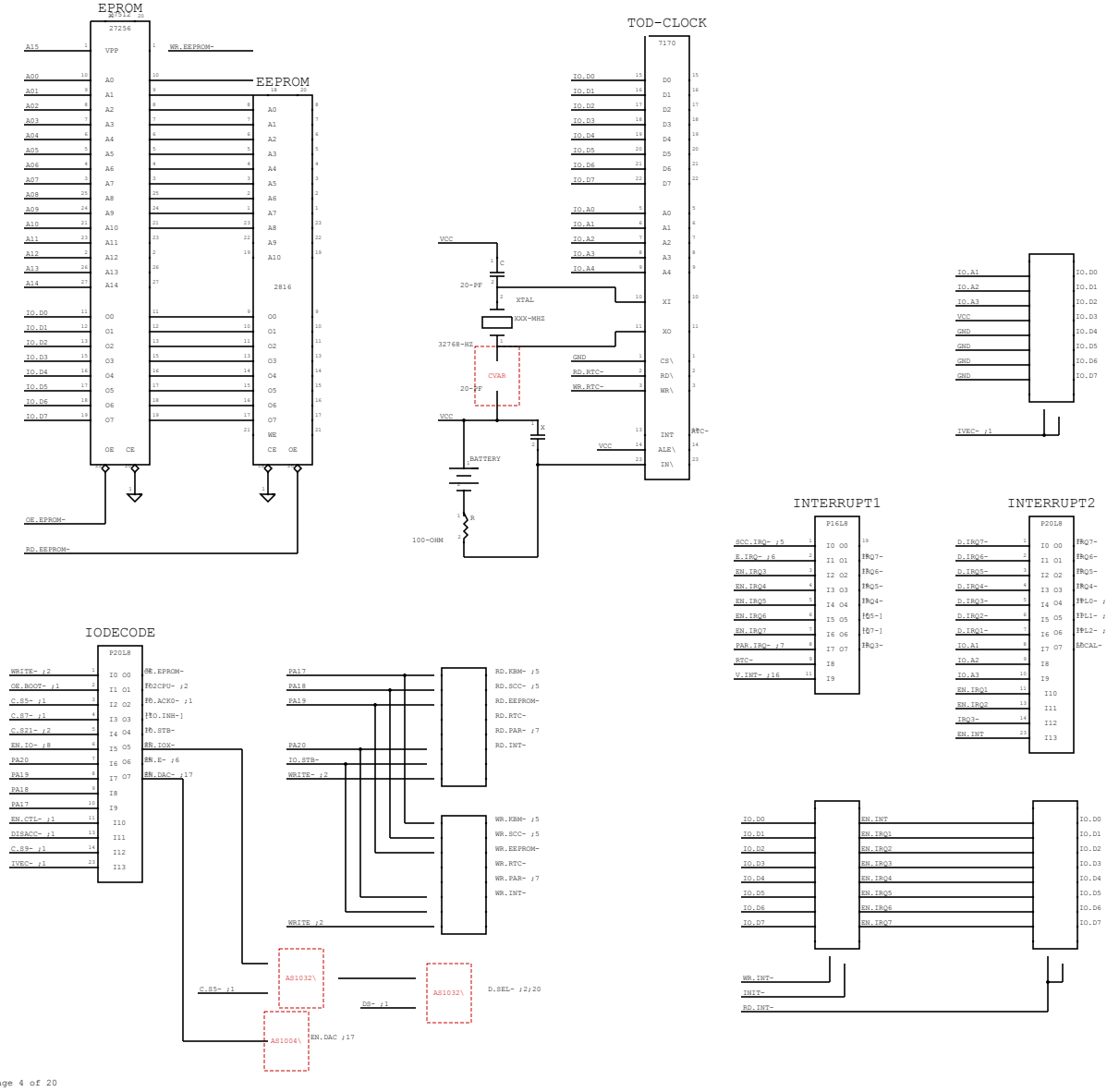
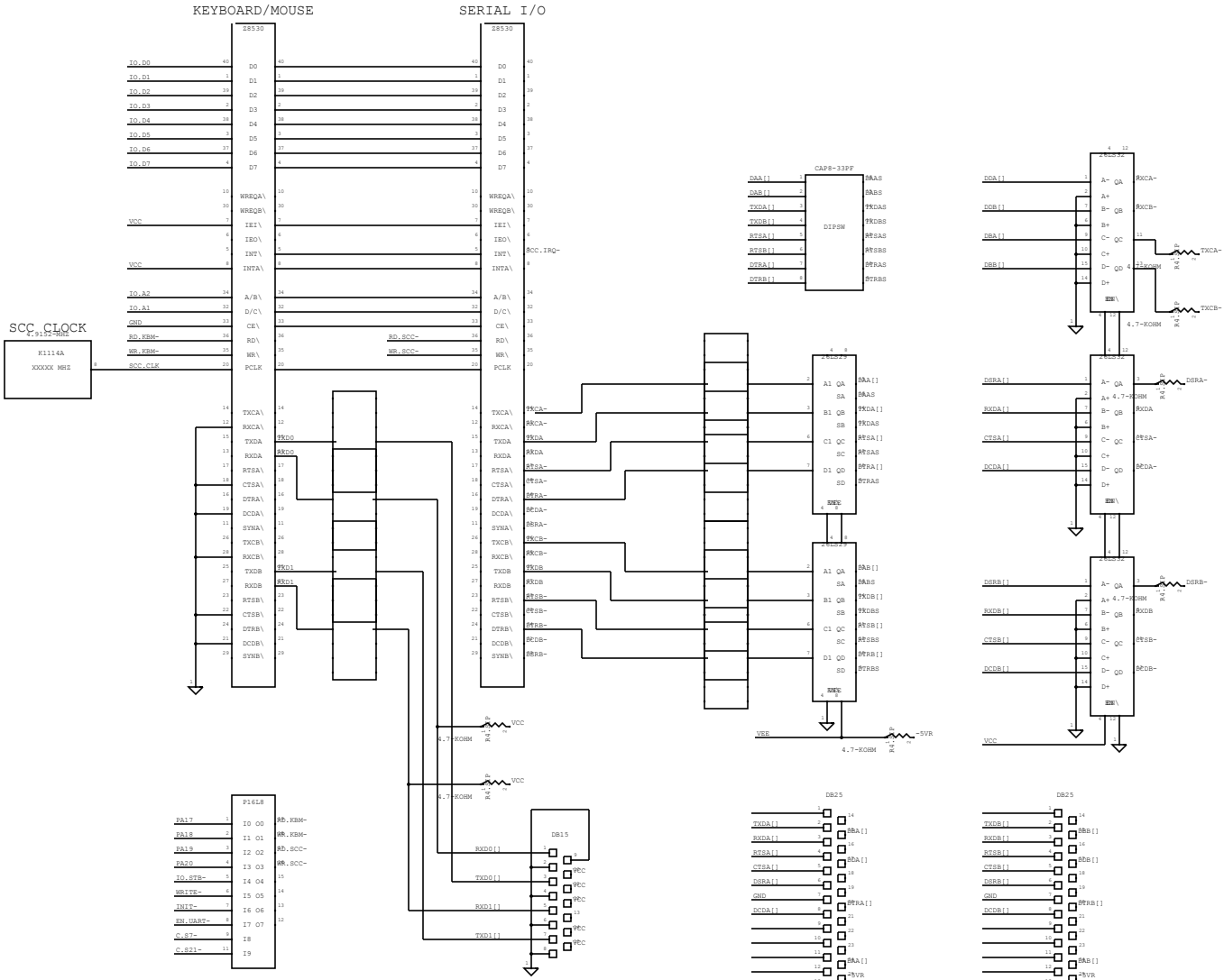
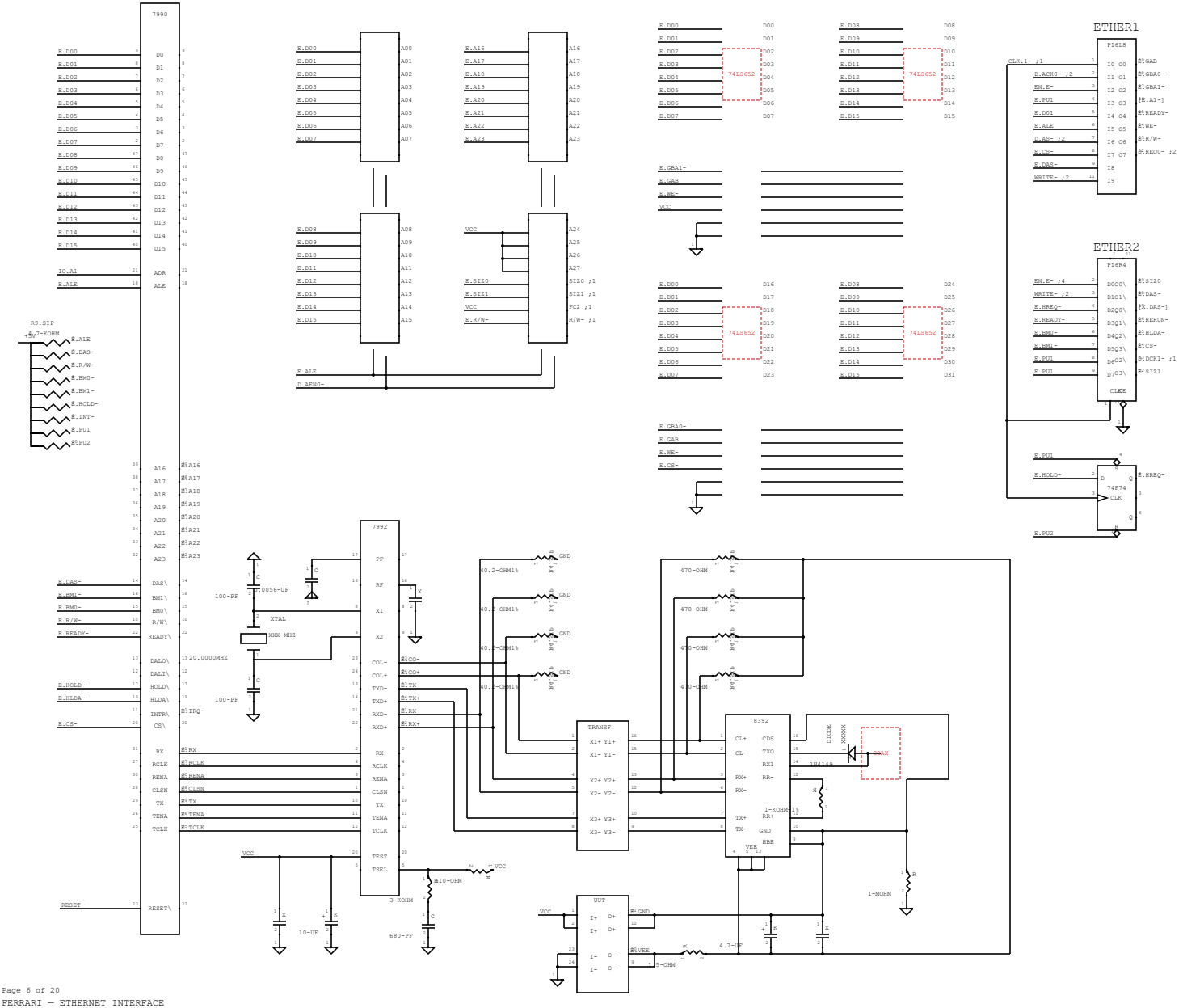

CPU CLOCK
50.000 MHZ
K1114A
XXXXX MHZ
74F08
AS112
X.CLK-
X.CLKB-
X.CLK
X.CLKB
PU.0
PU.1
PU.2
FPP CLOCK
25.000 MHZ
74F74
D
CLK
Q
R
P.CLK
P.CLK-
C.84- ;8
C.85-
C.87-
C.89-
74F175
C.85- ;3;4
C.85
C.87- ;4
C.89- ;3
C.11- ;1
AS1004X
CLK.0 ;1;2
CLK.1 ;7;8
D.CLK ;20
CLKB- ;8
CLK.0- ;2
CLK.1- ;7;8
C.11-;2
C.13-;3
C.15-
AS
C.13-;3;4
C.15-
C.17- ;2
C.83- ;3
FCDECODE
15-MHZ
P20L8
FC0
FC1
FC2
A13
A14
A15
A16
A17
A28
A29
A30
A31
A8
EN.BOOT- ;3
OE.BOOT- ;4
EN.INTA- ;4
EMULATE-
EN.DEV- ;8
EN.CTL- ;3;4
CS.FPP- ;8
EN.FPP ;3
[EN.CPU-]
CLK.0-
AS
DSACK
15-MHZ
P16L8
EN.RAM- ;8
EN.VRAM- ;8
IO.ACK0- ;4
M.ACK0- ;8
M.ACK1- ;8
D.DCK0- ;20
D.DCK1- ;20
F.ACK0-
F.ACK1-
C.84- ;8
P.ACK0-
CS.S-
P.ACK1-
BERR
P16L8
BERR.V- ;3
BERR.F- ;3
BERR.X- ;3;20
BERR.T- ;3
EMULATE-
DMA- ;2
D.RERUN- ;20
C.85-
C.87-
EN.INTA- ;4
BERRCLK ;3
BERR-
[RALTEN-]
HALT-
CS.RERUN- ;6
LOCAL1-
IPEC- ;4
AVEC-
RESET
C.821- ;2
POR-[] ;18
HALT-
[T0-]
[T1-]
[T2-]
[T3-]
[T4-]
[T5-]
BERR.T-
INIT-
RESET-
P20X8
D.BERR ;20
AS1032\
D.INIT-
CLK.0-
PU.1
PU.2
LOCAL- ;4
C.85
74F74
FPP
68881
D00
D01
D02
D03
D04
D05
D06
D07
D08
D09
D10
D11
D12
D13
D14
D15
D16
D17
D18
D19
D20
D21
D22
D23
D24
D25
D26
D27
D28
D29
D30
D31
VCC
A01
A02
A03
A04
SIZ
DACK0-
DACK1-
AS-
DS-
R/W-
CS-
CLK
RESET-
F.CLK
F.ACK0-
F.ACK1-
CPU
68020
A00
A01
A02
A03
A04
A05
A06
A07
A08
A09
A10
A11
A12
A13
A14
A15
A16
A17
A18
A19
A20
A21
A22
A23
A24
A25
A26
A27
A28
A29
A30
A31
IPL0- ;4
IPL1- ;4
IPL2- ;4
AVEC-
BERR-
P.ACK0-
P.ACK1-
BR- ;2
BG- ;2
BACK- ;2
CDIS- ;18
CLK.0
HALT-
RESET-
FC0
FC1
FC2
SIZ0
SIZ1
BR-
BG-
BACK-
CDIS-
RCS-
OCS-
RMW-
DBEN-
AS1004\
AS ;2;3;8
W.AS ;8
DS ;2
R/W- ;2

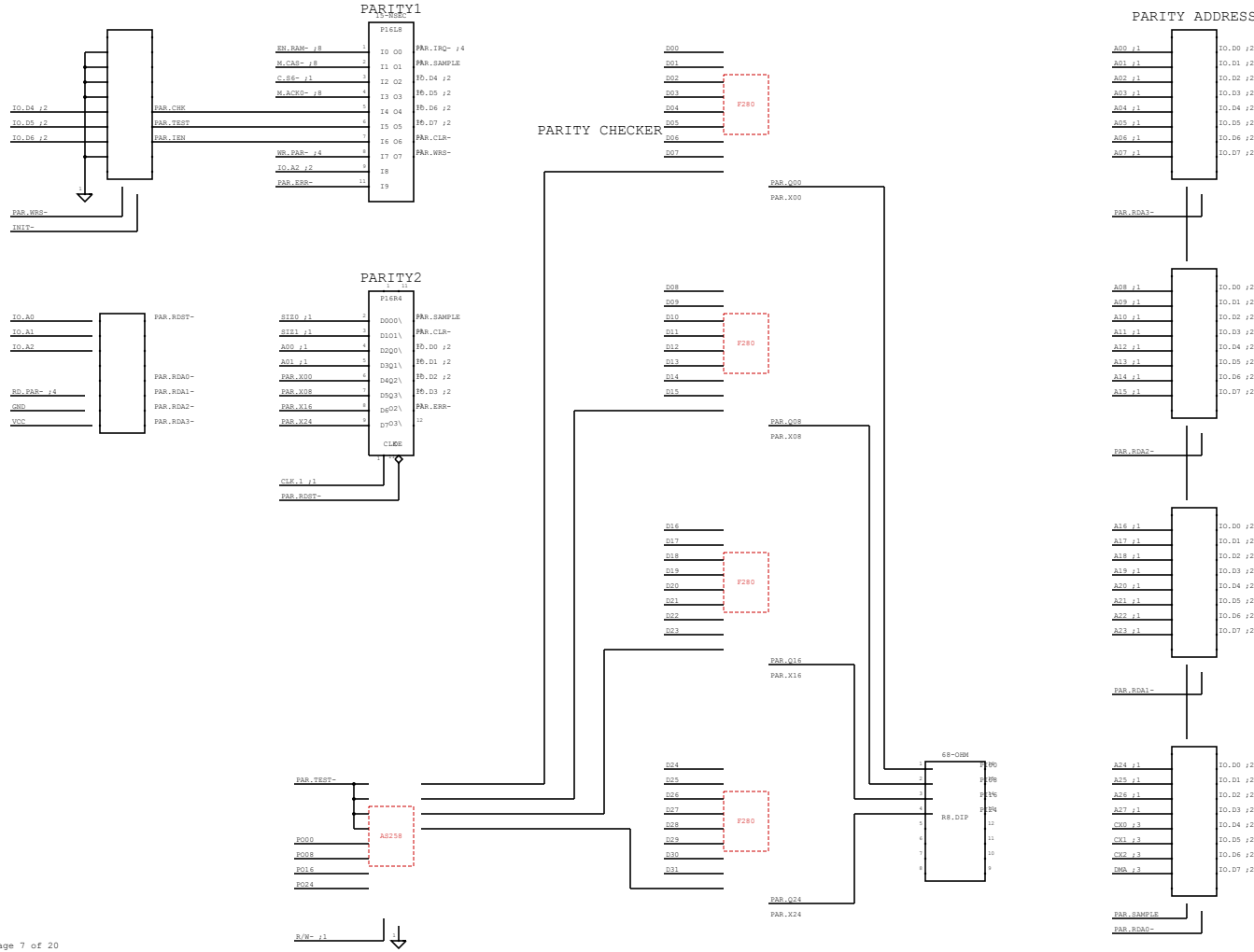

A00 A01 A02 A03 A04 A05 A06 A07
IO.A0 IO.A1 IO.A2 IO.A3 IO.A4 IO.A5 IO.A6 IO.A7
A8 ;1
TEST- ;18
PU.1
B/W- ;1
74F74
CLK
WRITE-
WRITE
PU.2
D24 D25 D26 D27 D28 D29 D30 D31
IO.D0 IO.D1 IO.D2 IO.D3 IO.D4 IO.D5 IO.D6 IO.D7
DS ;1
WRITE- ;1
IO.ACK0- ;4
IO2CPU- ;4
DVMA1
P16R8
D.REQ0- ;6
D.REQ1- ;20
D.REQ2- ;20
D.REQ3- ;20
D.HOLD- ;20
C.S4- ;8
C.S17- ;1
C.S19-
REQ0X-
REQ1X-
REQ2X-
REQ3X-
HOLDX-
C.S5TO9-
C.S19-
C.S21- ;4
C.S4- ;8
A8 ;1
BG- ;1
D0Q0\
D1Q1\
D2Q2\
D3Q3\
D4Q4\
D5Q5\
D6Q6\
D7Q7\
CLKE
B\ACK0- ;6
B\ACK1- ;20
B\ACK2- ;20
B\ACK3- ;20
[ASDEL-]
BMA- ;1;8
BR- ;1
BACK- ;1
CLK.0- ;1
DVMA2
P16R4
D.ACK0-
D.ACK1-
D.ACK2-
D.ACK3-
D.SEL- ;4
B/W- ;1
C.S5TO9-
C.S4- ;8
D0O0\
D1O1\
D2Q0\
D3Q1\
D4Q2\
D5Q3\
D6O2\
D7O3\
CLKE
EN.D-
EN.DIN-
FC0 ;1;3
FC1 ;1;3
B\AS- ;20
AS- ;1
AB-
EN.AIN-
DMA-
74F04
BMA ;3;7;8
CLK.0 ;1
D.ACK1-
D.ACK2-
D.ACK3-
VCC
74F20\
DMA-
A8 ;1
D.ACK0-
74F04
74F64
74F64
D.AEN123- ;3
74F04
B.AEN123
D.AEN0- ;6
74F04
B.AEN0
33-OHM
R8.DIP
D00 D01 D02 D03 D04 D05 D06 D07
D08 D09 D10 D11 D12 D13 D14 D15
D16 D17 D18 D19 D20 D21 D22 D23
D24 D25 D26 D27 D28 D29 D30 D31
D.D00 D.D01 D.D02 D.D03 D.D04 D.D05 D.D06 D.D07
D.D08 D.D09 D.D10 D.D11 D.D12 D.D13 D.D14 D.D15
D.D16 D.D17 D.D18 D.D19 D.D20 D.D21 D.D22 D.D23
D.D24 D.D25 D.D26 D.D27 D.D28 D.D29 D.D30 D.D31
A00 A01 A02 A03 A04 A05 A06 A07
D.A00 D.A01 D.A02 D.A03 D.A04 D.A05 D.A06 D.A07
A08 A09 A10 A11 A12 A13 A14 A15
D.A08 D.A09 D.A10 D.A11 D.A12 D.A13 D.A14 D.A15
A16 A17 A18 A19 A20 A21 A22 A23
D.A16 D.A17 D.A18 D.A19 D.A20 D.A21 D.A22 D.A23
A24 A25 A26 A27 CX0 ;3 CX1 ;3 CX2 ;3 FC2 ;1;3
D.A24 D.A25 D.A26 D.A27 D.A28 D.A29 D.A30 D.A31
EN.DIN-
EN.D-
PA13 PA14 PA15 PA16
D.SEL0 D.SEL1 D.SEL2 D.SEL3
GND
SIZ0 ;1;9
SIZ1 ;1;9
B/W- ;1
D.SIZ0 D.SIZ1 D.R/W-
EN.AIN-
D.AEN123-

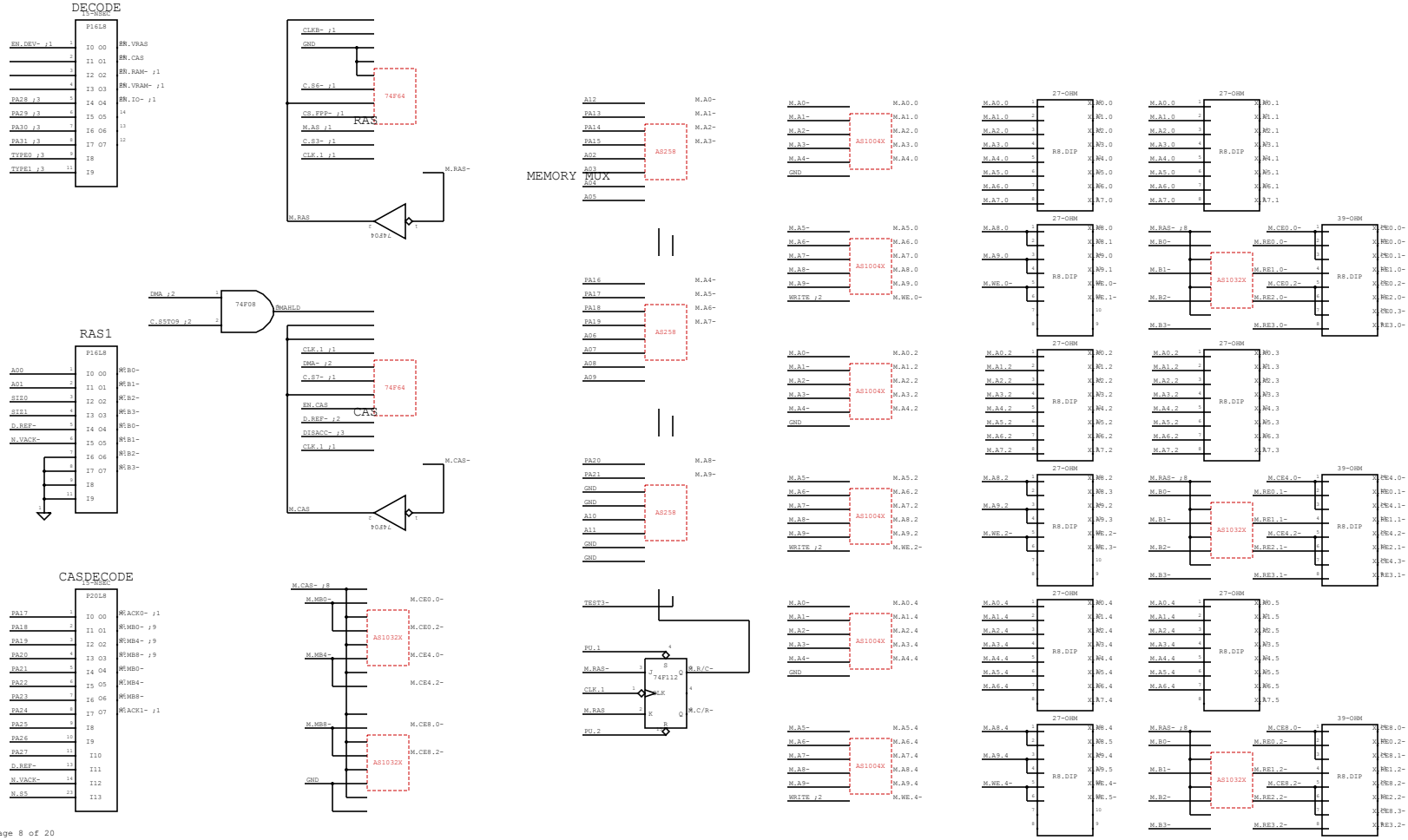

MMU1
MMU2
74F151
74F08
74F534
2188
2168
P20L10
P16L8
P5X8
470-OHM
RA1
LED4
J.2
WR.CX-
RD.CX-
D.AEN123;2
W/R-;1
EN.CTL-;1
EN.SMAP-
WR.USER-
INIT-;1
RD.USER-
DISU
DMA;2
DISUDMA
TYPE1
TYPE0
ACCESS
MODIFY
VCC
WR.DIAG-
RD.ID-
RD.BERR-
RD.SYSEN-
WR.SYSEN-
WR.DIAG-
EN.VIDEO;16
EN.FPP;1
EN.BOOT-;1
DIAG-[1]
Page 3 of 20
FERRARI — MISC. I/O DEVICES

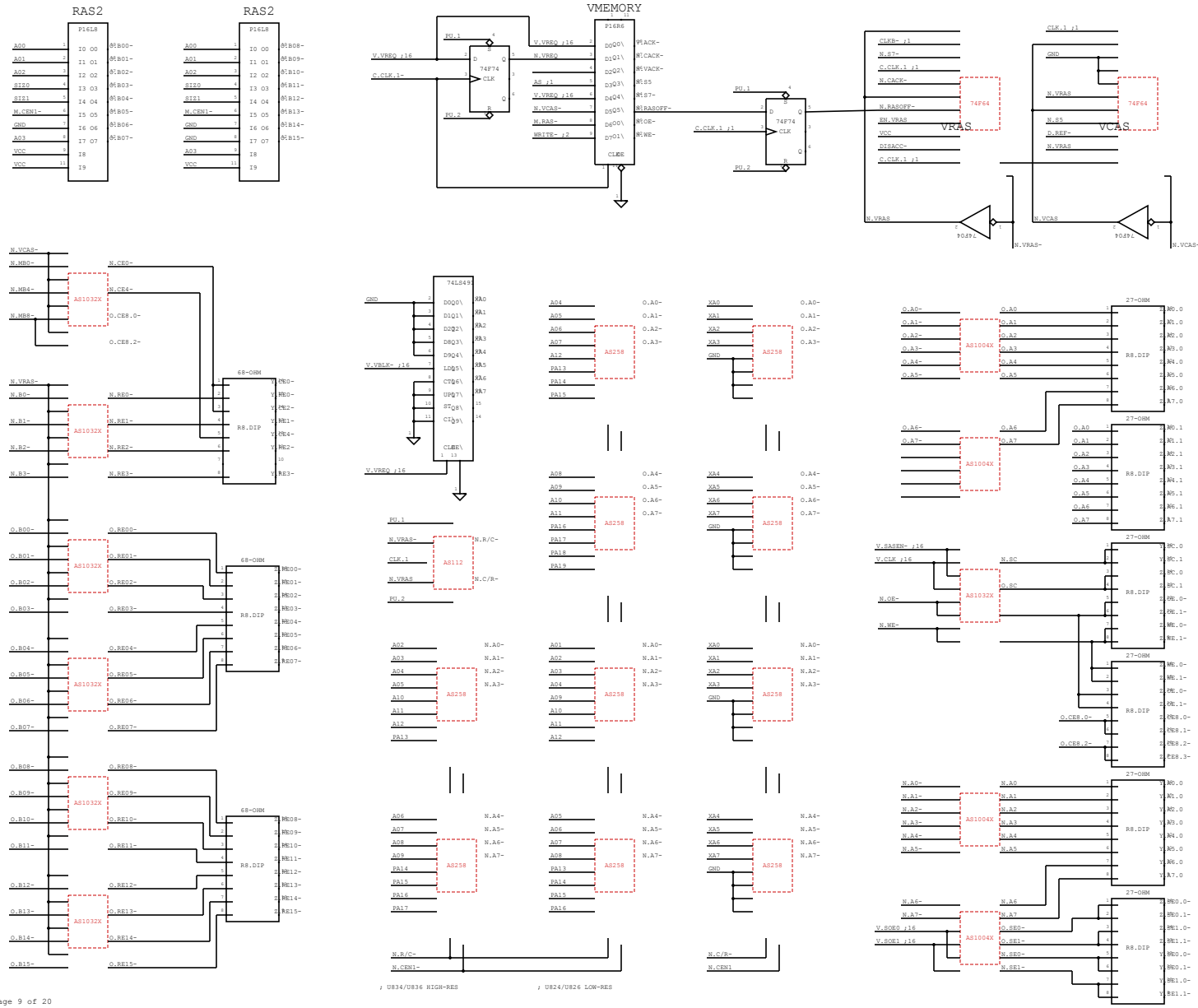

EPROM
27256
VPP
A15
WR.EEPROM-
A00
A01
A02
A03
A04
A05
A06
A07
A08
A09
A10
A11
A12
A13
A14
IO.D0
IO.D1
IO.D2
IO.D3
IO.D4
IO.D5
IO.D6
IO.D7
OE CE
OE.EPROM-
RD.EEPROM-
EEPROM
2816
WE
CE OE
TOD-CLOCK
7170
D0
D1
D2
D3
D4
D5
D6
D7
A0
A1
A2
A3
A4
XI
XO
CS\
RD\
WR\
INT
ALE\
IN\
RTC-
GND
RD.RTC-
WR.RTC-
VCC
C
20-PF
XTAL
XXX-MHZ
32768-HZ
CVAR
20-PF
X
BATTERY
R
100-OHM
IO.A1
IO.A2
IO.A3
VCC
GND
GND
GND
GND
IO.D0
IO.D1
IO.D2
IO.D3
IO.D4
IO.D5
IO.D6
IO.D7
IVEC- ;1
INTERRUPT1
P16L8
I0 O0
I1 O1
I2 O2
I3 O3
I4 O4
I5 O5
I6 O6
I7 O7
I8
I9
BCC.IRQ- ;5
E.IRQ- ;6
EN.IRQ3
EN.IRQ4
EN.IRQ5
EN.IRQ6
EN.IRQ7
PAR.IRQ- ;7
RTC-
V.INT- ;16
IRQ7-
IRQ6-
IRQ5-
IRQ4-
[IO5-]
[IO7-]
IRQ3-
INTERRUPT2
P20L8
D.IRQ7-
D.IRQ6-
D.IRQ5-
D.IRQ4-
D.IRQ3-
D.IRQ2-
D.IRQ1-
IO.A1
IO.A2
IO.A3
EN.IRQ1
EN.IRQ2
IRQ3-
EN.INT
I10
I11
I12
I13
IRQ7-
IRQ6-
IRQ5-
IRQ4-
IPL0- ;1
IPL1- ;1
IPL2- ;1
bbCAL- ;1
IODECODE
P20L8
WRITE- ;2
OE.BOOT- ;1
C.85- ;1
C.87- ;1
C.821- ;2
EN.IO- ;8
PA20
PA19
PA18
PA17
EN.CTL- ;1
DISACC- ;1
C.89- ;1
IVEC- ;1
OE.EPROM-
PR2CPU- ;2
PB.ACK0- ;1
[IO.INH-]
PB.STB-
EN.IOX-
EN.E- ;6
EN.DAC- ;17
PA17
PA18
PA19
PA20
IO.STB-
WRITE- ;2
RD.KBM- ;5
RD.SCC- ;5
RD.EEPROM-
RD.RTC-
RD.PAR- ;7
RD.INT-
WR.KBM- ;5
WR.SCC- ;5
WR.EEPROM-
WR.RTC-
WR.PAR- ;7
WR.INT-
WRITE ;2
AS1032\
AS1032\
AS1004\
C.85- ;1
DS- ;1
D.SEL- ;2;20
EN.DAC ;17
IO.D0
IO.D1
IO.D2
IO.D3
IO.D4
IO.D5
IO.D6
IO.D7
EN.INT
EN.IRQ1
EN.IRQ2
EN.IRQ3
EN.IRQ4
EN.IRQ5
EN.IRQ6
EN.IRQ7
WR.INT-
INIT-
RD.INT-

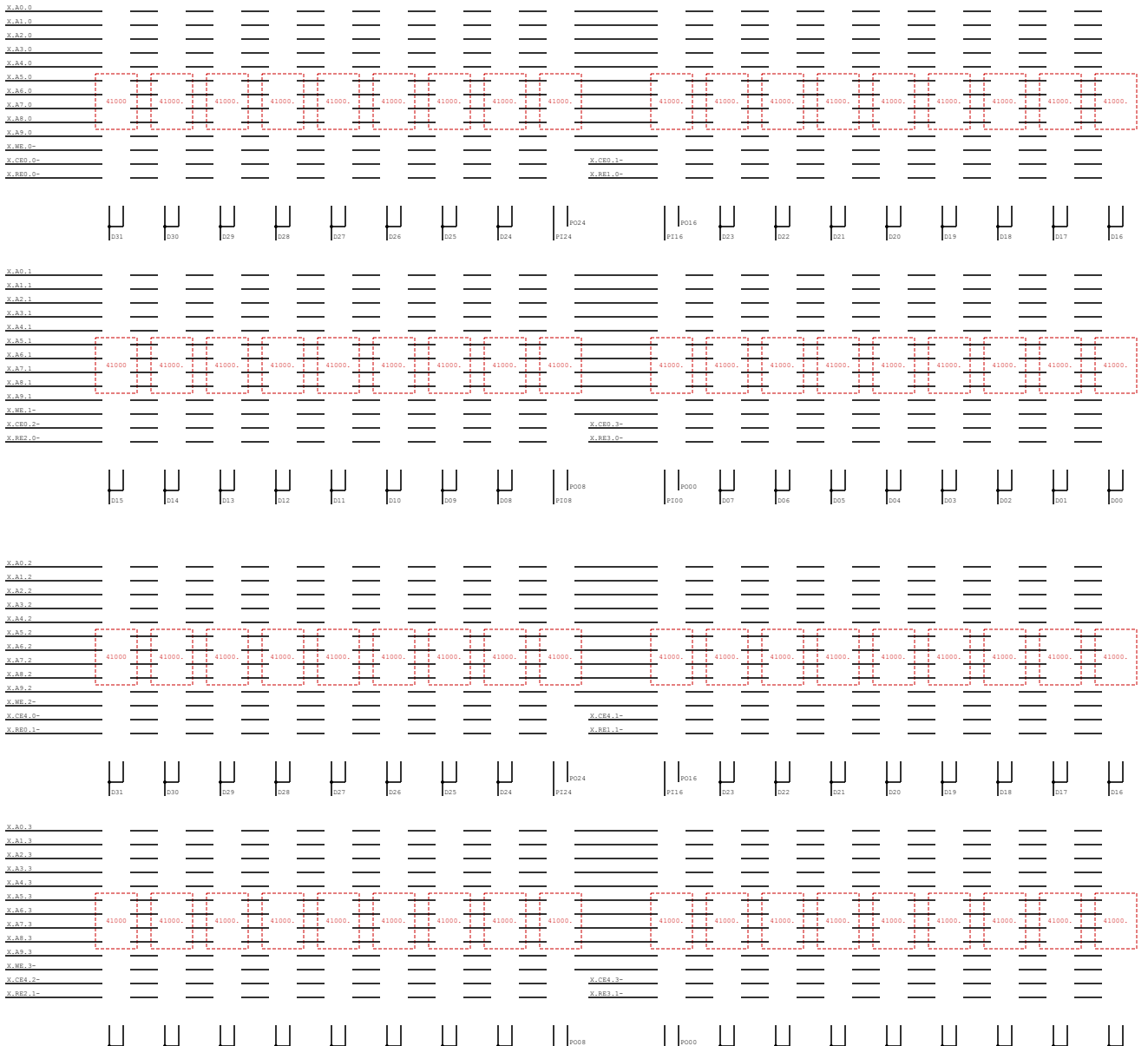

KEYBOARD/MOUSE
SERIAL I/O
Z8530
SCC CLOCK
4.9152-MHZ
K1114A
XXXXX MHZ
CAP8-33PF
DIPSW
26LS29
26LS32
4.7-KOHM
VCC
VEE
-5VR
P16L8
DB15
DB25

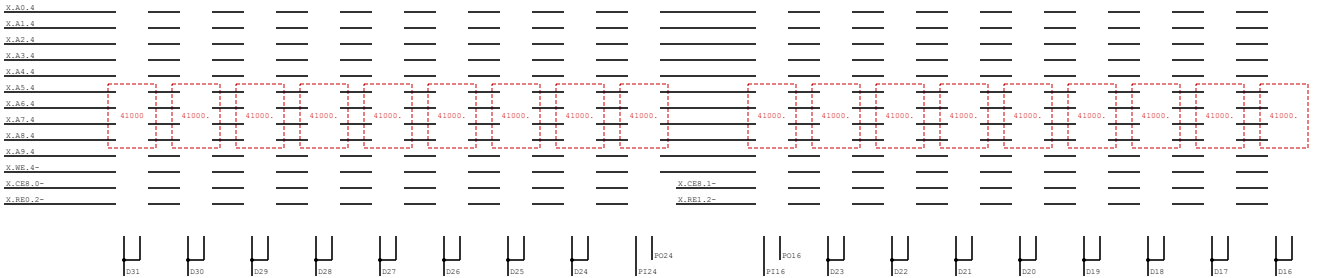

7990
74LS652
ETHER1
P16L8
ETHER2
P16R4
74F74
R9.SIP
+5V7-KOHM
7992
TRANSF
8392
UUT
XTAL
XXX-MHZ
20.0000MHZ
100-PF
0056-UF
3-KOHM
10-UF
680-PF
470-OHM
40.2-OHM1%
1-KOHM
1-MOHM
4.7-UF
15-OHM
1N4148
DIODE
VCC
GND

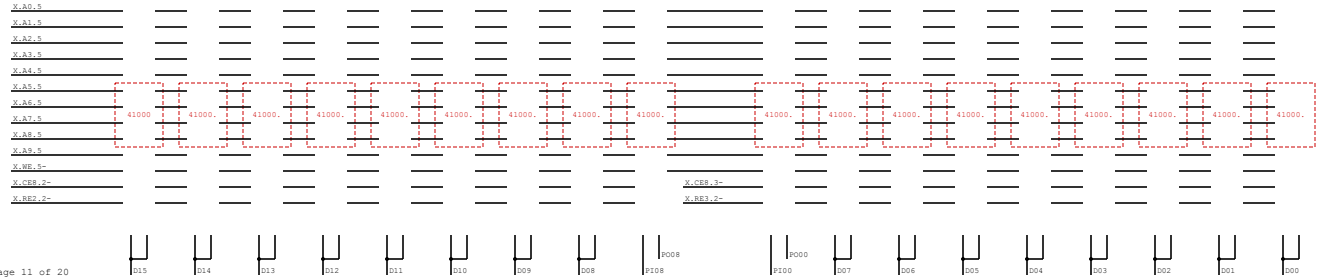

PARITY1
P16L8
EN.RAM- ;8
M.CAS- ;8
C.86- ;1
M.ACKO- ;8
WR.PAR- ;4
IO.A2 ;2
PAR.ERR-
PAR.IRQ- ;4
PAR.SAMPLE
IO.D4 ;2
IO.D5 ;2
IO.D6 ;2
IO.D7 ;2
PAR.CLR-
PAR.WRS-
IO.D4 ;2
IO.D5 ;2
IO.D6 ;2
PAR.CHK
PAR.TEST
PAR.IEN
PAR.WRS-
INIT-
PARITY CHECKER
F280
PAR.Q00
PAR.X00
PARITY2
P16R4
SIZ0 ;1
SIZ1 ;1
A00 ;1
A01 ;1
PAR.X00
PAR.X08
PAR.X16
PAR.X24
D000\
D101\
D2Q0\
D3Q1\
D4Q2\
D5Q3\
D6Q2\
D7Q3\
CLKE
PAR.SAMPLE
PAR.CLR-
IO.D0 ;2
IO.D1 ;2
IO.D2 ;2
IO.D3 ;2
PAR.ERR-
CLK.1 ;1
PAR.RDST-
IO.A0
IO.A1
IO.A2
RD.PAR- ;4
GND
VCC
PAR.RDST-
PAR.RDA0-
PAR.RDA1-
PAR.RDA2-
PAR.RDA3-
PAR.Q08
PAR.X08
PAR.Q16
PAR.X16
PAR.Q24
PAR.X24
68-OHM
R8.DIP
PAR.TEST-
AS258
PO00
PO08
PO16
PO24
R/W- ;1
PARITY ADDRESS
A00 ;1
A01 ;1
A02 ;1
A03 ;1
A04 ;1
A05 ;1
A06 ;1
A07 ;1
PAR.RDA3-
A08 ;1
A09 ;1
A10 ;1
A11 ;1
A12 ;1
A13 ;1
A14 ;1
A15 ;1
PAR.RDA2-
A16 ;1
A17 ;1
A18 ;1
A19 ;1
A20 ;1
A21 ;1
A22 ;1
A23 ;1
PAR.RDA1-
A24 ;1
A25 ;1
A26 ;1
A27 ;1
CX0 ;3
CX1 ;3
CX2 ;3
DMA ;3
PAR.SAMPLE
PAR.RDA0-


DECODE
P16L8
EN.DEV- ;1
PA28 ;3
PA29 ;3
PA30 ;3
PA31 ;3
TYPE0 ;3
TYPE1 ;3
EN.VRAS
EN.CAS
EN.RAM- ;1
EN.VRAM- ;1
EN.IO- ;1
CLKB- ;1
GND
C.S6- ;1
CS.FPP- ;1
M.AS ;1
C.S3- ;1
CLK.1 ;1
74F64
RAS
M.RAS-
M.RAS
74F04
MEMORY MUX
A12
PA13
PA14
PA15
A02
A03
A04
A05
AS258
M.A0-
M.A1-
M.A2-
M.A3-
PA16
PA17
PA18
PA19
A06
A07
A08
A09
M.A4-
M.A5-
M.A6-
M.A7-
PA20
PA21
GND
A10
A11
GND
GND
M.A8-
M.A9-
TEST3-
PU.1
M.RAS-
CLK.1
M.RAS
PU.2
74F112
M.R/C-
M.C/R-
AS1004X
M.A0-
M.A1-
M.A2-
M.A3-
M.A4-
GND
M.A0.0
M.A1.0
M.A2.0
M.A3.0
M.A4.0
M.A5-
M.A6-
M.A7-
M.A8-
M.A9-
WRITE ;2
M.A5.0
M.A6.0
M.A7.0
M.A8.0
M.A9.0
M.WE.0-
M.A0.2
M.A1.2
M.A2.2
M.A3.2
M.A4.2
M.A5.2
M.A6.2
M.A7.2
M.A8.2
M.A9.2
M.WE.2-
M.A0.4
M.A1.4
M.A2.4
M.A3.4
M.A4.4
M.A5.4
M.A6.4
M.A7.4
M.A8.4
M.A9.4
M.WE.4-
27-OHM
R8.DIP
M.A0.0
M.A1.0
M.A2.0
M.A3.0
M.A4.0
M.A5.0
M.A6.0
M.A7.0
M.A8.0
M.A9.0
M.WE.0-
M.A0.1
M.A1.1
M.A2.1
M.A3.1
M.A4.1
M.A5.1
M.A6.1
M.A7.1
M.A0.2
M.A1.2
M.A2.2
M.A3.2
M.A4.2
M.A5.2
M.A6.2
M.A7.2
M.A8.2
M.A9.2
M.WE.2-
M.A0.3
M.A1.3
M.A2.3
M.A3.3
M.A4.3
M.A5.3
M.A6.3
M.A7.3
M.A0.4
M.A1.4
M.A2.4
M.A3.4
M.A4.4
M.A5.4
M.A6.4
M.A7.4
M.A8.4
M.A9.4
M.WE.4-
M.A0.5
M.A1.5
M.A2.5
M.A3.5
M.A4.5
M.A5.5
M.A6.5
M.A7.5
39-OHM
M.RAS- ;8
M.B0-
M.B1-
M.B2-
M.B3-
AS1032X
M.CE0.0-
M.RE0.0-
M.RE1.0-
M.CE0.2-
M.RE2.0-
M.RE3.0-
M.CE4.0-
M.RE0.1-
M.RE1.1-
M.CE4.2-
M.RE2.1-
M.RE3.1-
M.CE8.0-
M.RE0.2-
M.RE1.2-
M.CE8.2-
M.RE2.2-
M.RE3.2-
RAS1
P16L8
A00
A01
SIZ0
SIZ1
D.REF-
N.VACK-
M.B0-
M.B1-
M.B2-
M.B3-
DMA ;2
C.S5TO9 ;2
74F08
DMAHLD
CLK.1 ;1
DMA- ;2
C.S7- ;1
EN.CAS
D.REF- ;2
DISACC- ;3
CLK.1 ;1
74F64
CAS
M.CAS-
M.CAS ;8
CASDECODE
P20L8
PA17
PA18
PA19
PA20
PA21
PA22
PA23
PA24
PA25
PA26
PA27
D.REF-
N.VACK-
N.S5
M.ACK0- ;1
M.MB0- ;9
M.MB4- ;9
M.MB8- ;9
M.MB0-
M.MB4-
M.MB8-
M.ACK1- ;1
M.CE0.0-
M.CE0.2-
M.CE4.0-
M.CE4.2-
M.CE8.0-
M.CE8.2-
GND

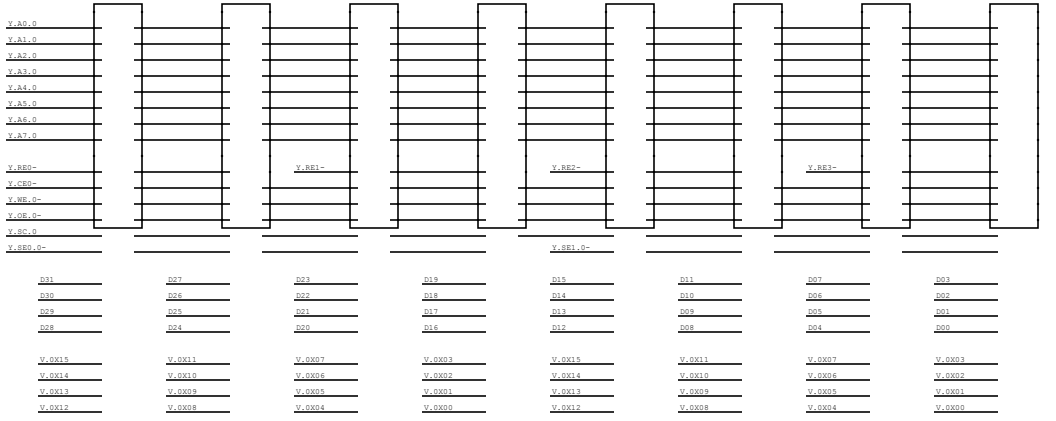

RAS2
P16L8
RAS2
P16L8
VMEMORY
P16R6
74F74
74F74
74F64
VRAS
74F64
VCAS
74F04
74F04
74LS49
AS1032X
AS1032X
AS1032X
AS1032X
AS1004X
AS1004X
AS1004X
AS1004X
AS258
AS258
AS258
AS258
AS258
AS258
AS258
AS258
AS112
68-OHM
68-OHM
68-OHM
R8.DIP
R8.DIP
R8.DIP
27-OHM
R8.DIP
; U834/U836 HIGH-RES
; U824/U826 LOW-RES

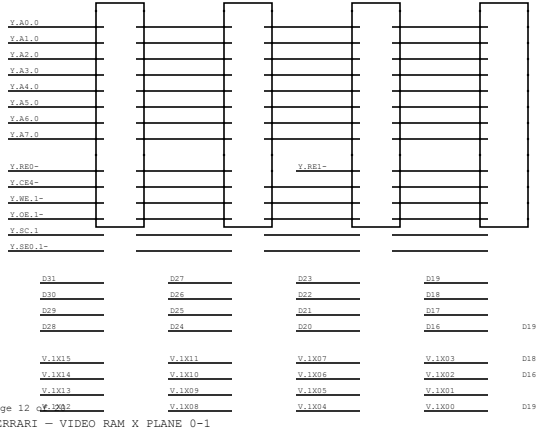

X.A0.0
X.A1.0
X.A2.0
X.A3.0
X.A4.0
X.A5.0
X.A6.0
X.A7.0
X.A8.0
X.A9.0
X.WE.0-
X.CE0.0-
X.RE0.0-
X.CE0.1-
X.RE1.0-
41000
PO24
PO16
D31 D30 D29 D28 D27 D26 D25 D24 PI24 PI16 D23 D22 D21 D20 D19 D18 D17 D16
X.A0.1
X.A1.1
X.A2.1
X.A3.1
X.A4.1
X.A5.1
X.A6.1
X.A7.1
X.A8.1
X.A9.1
X.WE.1-
X.CE0.2-
X.RE2.0-
X.CE0.3-
X.RE3.0-
PO08
PO00
D15 D14 D13 D12 D11 D10 D09 D08 PI08 PI00 D07 D06 D05 D04 D03 D02 D01 D00
X.A0.2
X.A1.2
X.A2.2
X.A3.2
X.A4.2
X.A5.2
X.A6.2
X.A7.2
X.A8.2
X.A9.2
X.WE.2-
X.CE4.0-
X.RE0.1-
X.CE4.1-
X.RE1.1-
PO24
PO16
D31 D30 D29 D28 D27 D26 D25 D24 PI24 PI16 D23 D22 D21 D20 D19 D18 D17 D16
X.A0.3
X.A1.3
X.A2.3
X.A3.3
X.A4.3
X.A5.3
X.A6.3
X.A7.3
X.A8.3
X.A9.3
X.WE.3-
X.CE4.2-
X.RE2.1-
X.CE4.3-
X.RE3.1-
PO08
PO00
D15 D14 D13 D12 D11 D10 D09 D08 PI08 PI00 D07 D06 D05 D04 D03 D02 D01 D00



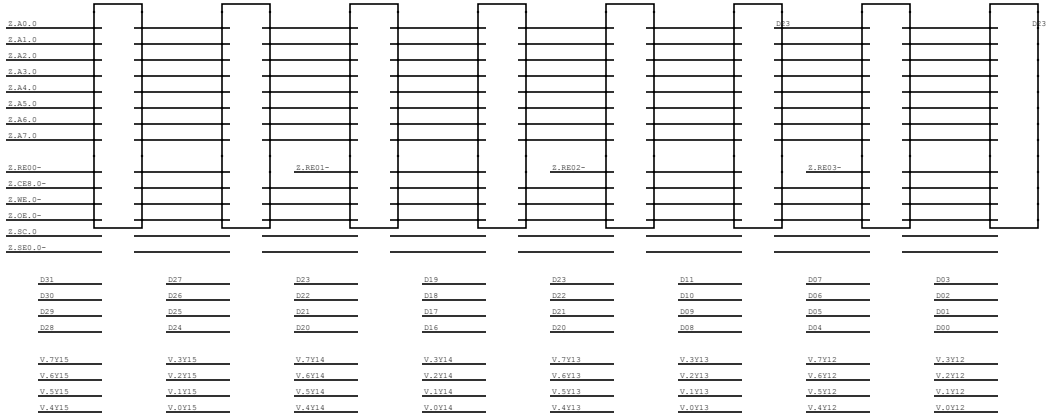


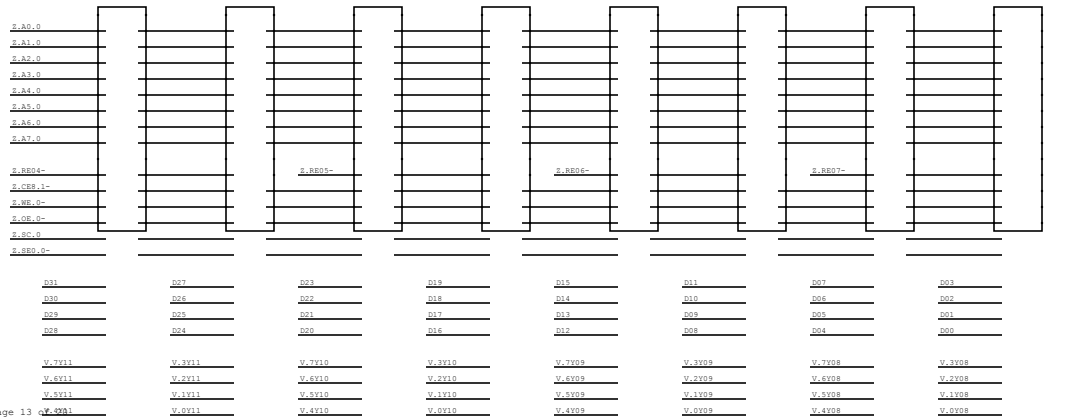
FERRARI — MAIN MEMORY 4/8 MEGABYTES



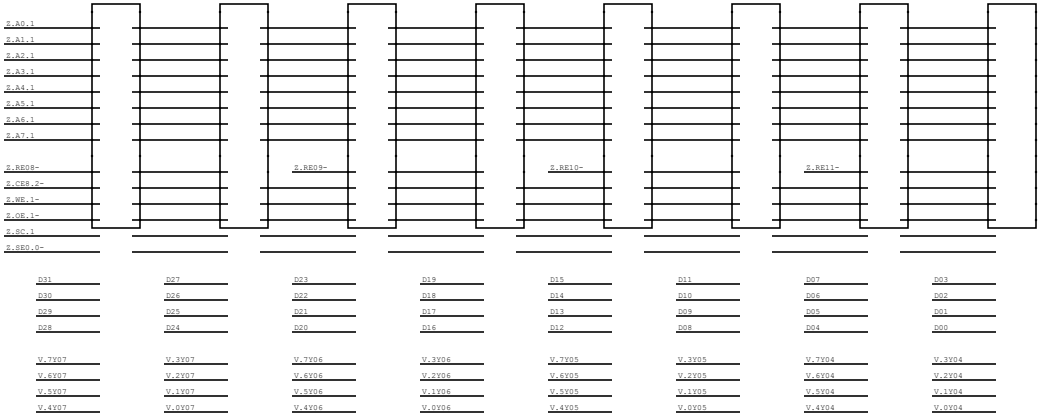


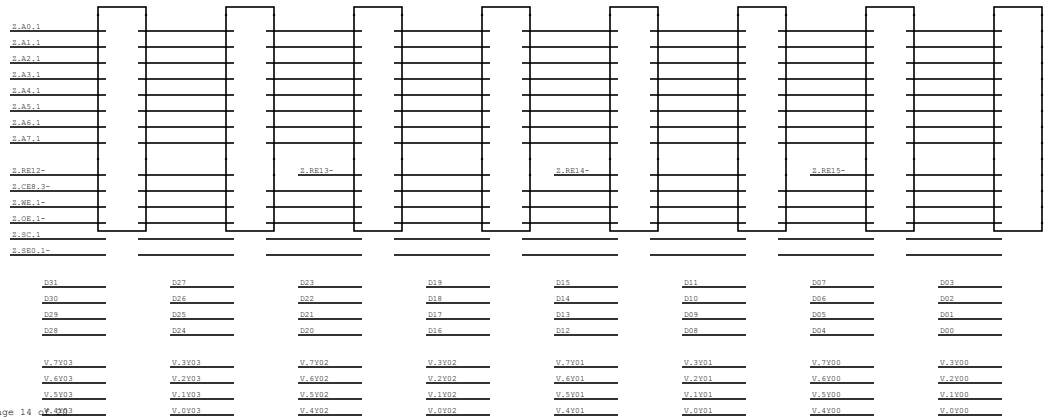
FERRARI — VIDEO RAM X PLANE 0-1

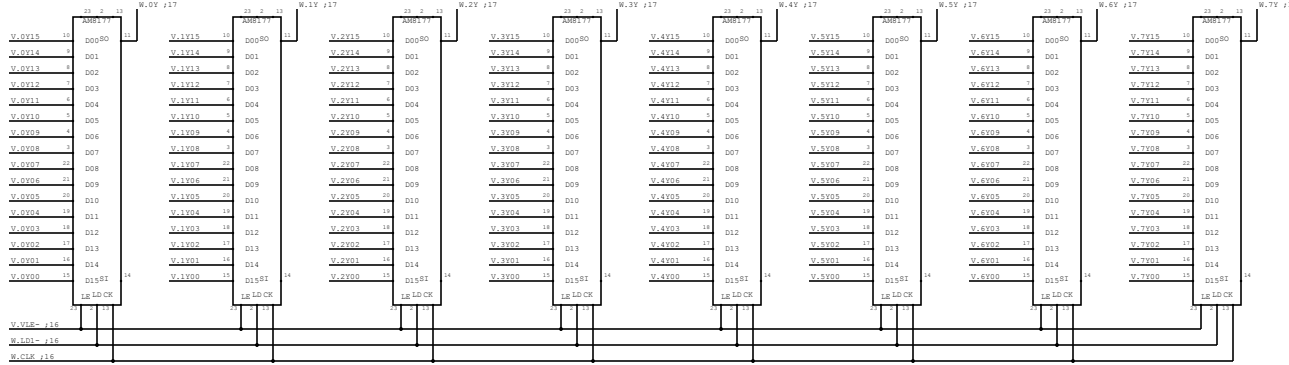


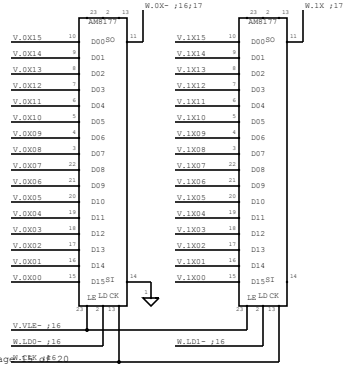


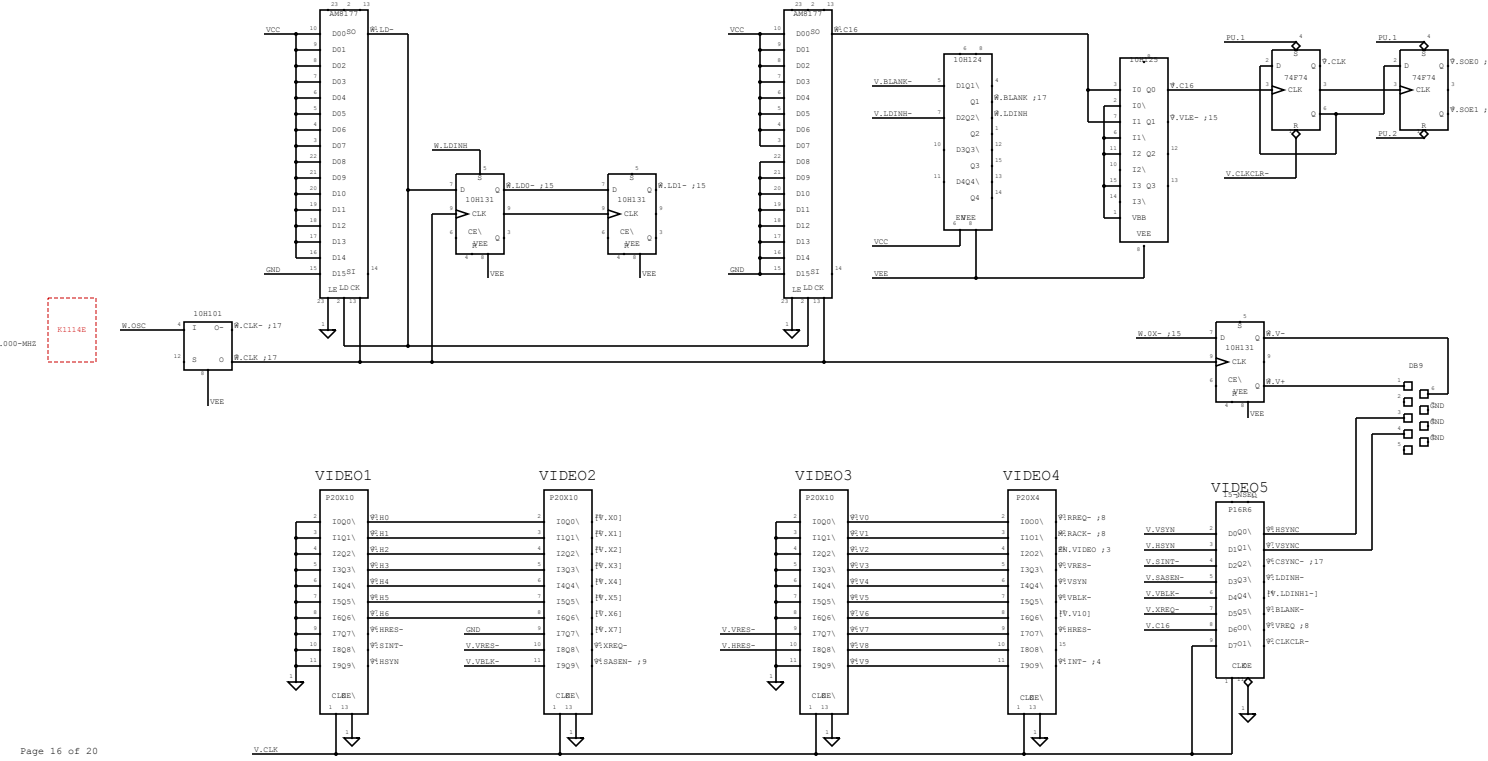
FERRARI — VIDEO MEMORY Y PLANE 0-3

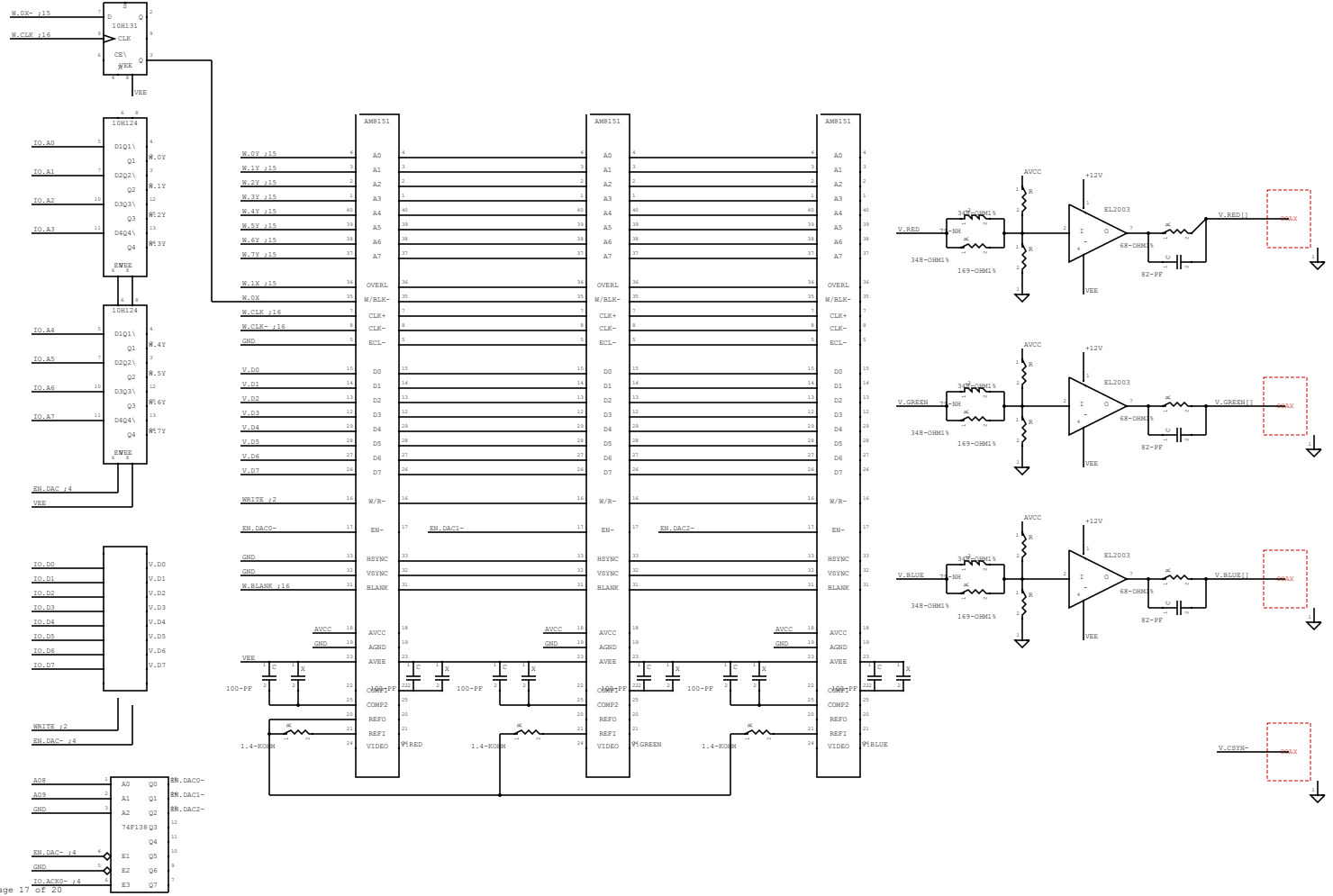

Z.A0.1
Z.A1.1
Z.A2.1
Z.A3.1
Z.A4.1
Z.A5.1
Z.A6.1
Z.A7.1
Z.RE08-
Z.RE09-
Z.RE10-
Z.RE11-
Z.CE8.2-
Z.WE.1-
Z.OE.1-
Z.SC.1
Z.SE0.0-
D31 D27 D23 D19 D15 D11 D07 D03
D30 D26 D22 D18 D14 D10 D06 D02
D29 D25 D21 D17 D13 D09 D05 D01
D28 D24 D20 D16 D12 D08 D04 D00
V.7Y07 V.3Y07 V.7Y06 V.3Y06 V.7Y05 V.3Y05 V.7Y04 V.3Y04
V.6Y07 V.2Y07 V.6Y06 V.2Y06 V.6Y05 V.2Y05 V.6Y04 V.2Y04
V.5Y07 V.1Y07 V.5Y06 V.1Y06 V.5Y05 V.1Y05 V.5Y04 V.1Y04
V.4Y07 V.0Y07 V.4Y06 V.0Y06 V.4Y05 V.0Y05 V.4Y04 V.0Y04


Z.A0.1
Z.A1.1
Z.A2.1
Z.A3.1
Z.A4.1
Z.A5.1
Z.A6.1
Z.A7.1
Z.RE12-
Z.RE13-
Z.RE14-
Z.RE15-
Z.CE8.3-
Z.WE.1-
Z.OE.1-
Z.SC.1
Z.SE0.1-
D31 D27 D23 D19 D15 D11 D07 D03
D30 D26 D22 D18 D14 D10 D06 D02
D29 D25 D21 D17 D13 D09 D05 D01
D28 D24 D20 D16 D12 D08 D04 D00
V.7Y03 V.3Y03 V.7Y02 V.3Y02 V.7Y01 V.3Y01 V.7Y00 V.3Y00
V.6Y03 V.2Y03 V.6Y02 V.2Y02 V.6Y01 V.2Y01 V.6Y00 V.2Y00
V.5Y03 V.1Y03 V.5Y02 V.1Y02 V.5Y01 V.1Y01 V.5Y00 V.1Y00
V.4Y03 V.0Y03 V.4Y02 V.0Y02 V.4Y01 V.0Y01 V.4Y00 V.0Y00

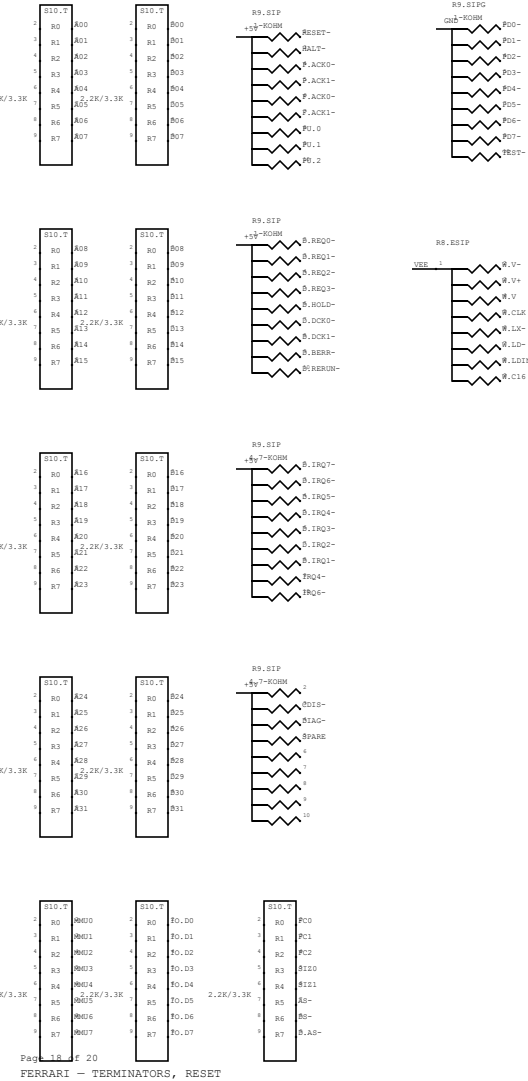

W.0Y ;17
W.1Y ;17
W.2Y ;17
W.3Y ;17
W.4Y ;17
W.5Y ;17
W.6Y ;17
W.7Y ;17
AM8177
V.0Y15
V.0Y14
V.0Y13
V.0Y12
V.0Y11
V.0Y10
V.0Y09
V.0Y08
V.0Y07
V.0Y06
V.0Y05
V.0Y04
V.0Y03
V.0Y02
V.0Y01
V.0Y00
V.1Y15
V.1Y14
V.1Y13
V.1Y12
V.1Y11
V.1Y10
V.1Y09
V.1Y08
V.1Y07
V.1Y06
V.1Y05
V.1Y04
V.1Y03
V.1Y02
V.1Y01
V.1Y00
V.2Y15
V.2Y14
V.2Y13
V.2Y12
V.2Y11
V.2Y10
V.2Y09
V.2Y08
V.2Y07
V.2Y06
V.2Y05
V.2Y04
V.2Y03
V.2Y02
V.2Y01
V.2Y00
V.3Y15
V.3Y14
V.3Y13
V.3Y12
V.3Y11
V.3Y10
V.3Y09
V.3Y08
V.3Y07
V.3Y06
V.3Y05
V.3Y04
V.3Y03
V.3Y02
V.3Y01
V.3Y00
V.4Y15
V.4Y14
V.4Y13
V.4Y12
V.4Y11
V.4Y10
V.4Y09
V.4Y08
V.4Y07
V.4Y06
V.4Y05
V.4Y04
V.4Y03
V.4Y02
V.4Y01
V.4Y00
V.5Y15
V.5Y14
V.5Y13
V.5Y12
V.5Y11
V.5Y10
V.5Y09
V.5Y08
V.5Y07
V.5Y06
V.5Y05
V.5Y04
V.5Y03
V.5Y02
V.5Y01
V.5Y00
V.6Y15
V.6Y14
V.6Y13
V.6Y12
V.6Y11
V.6Y10
V.6Y09
V.6Y08
V.6Y07
V.6Y06
V.6Y05
V.6Y04
V.6Y03
V.6Y02
V.6Y01
V.6Y00
V.7Y15
V.7Y14
V.7Y13
V.7Y12
V.7Y11
V.7Y10
V.7Y09
V.7Y08
V.7Y07
V.7Y06
V.7Y05
V.7Y04
V.7Y03
V.7Y02
V.7Y01
V.7Y00
D00 SO
D01
D02
D03
D04
D05
D06
D07
D08
D09
D10
D11
D12
D13
D14
D15 SI
LE LD CK
V.VLE- ;16
W.LD1- ;16
W.CLK ;16

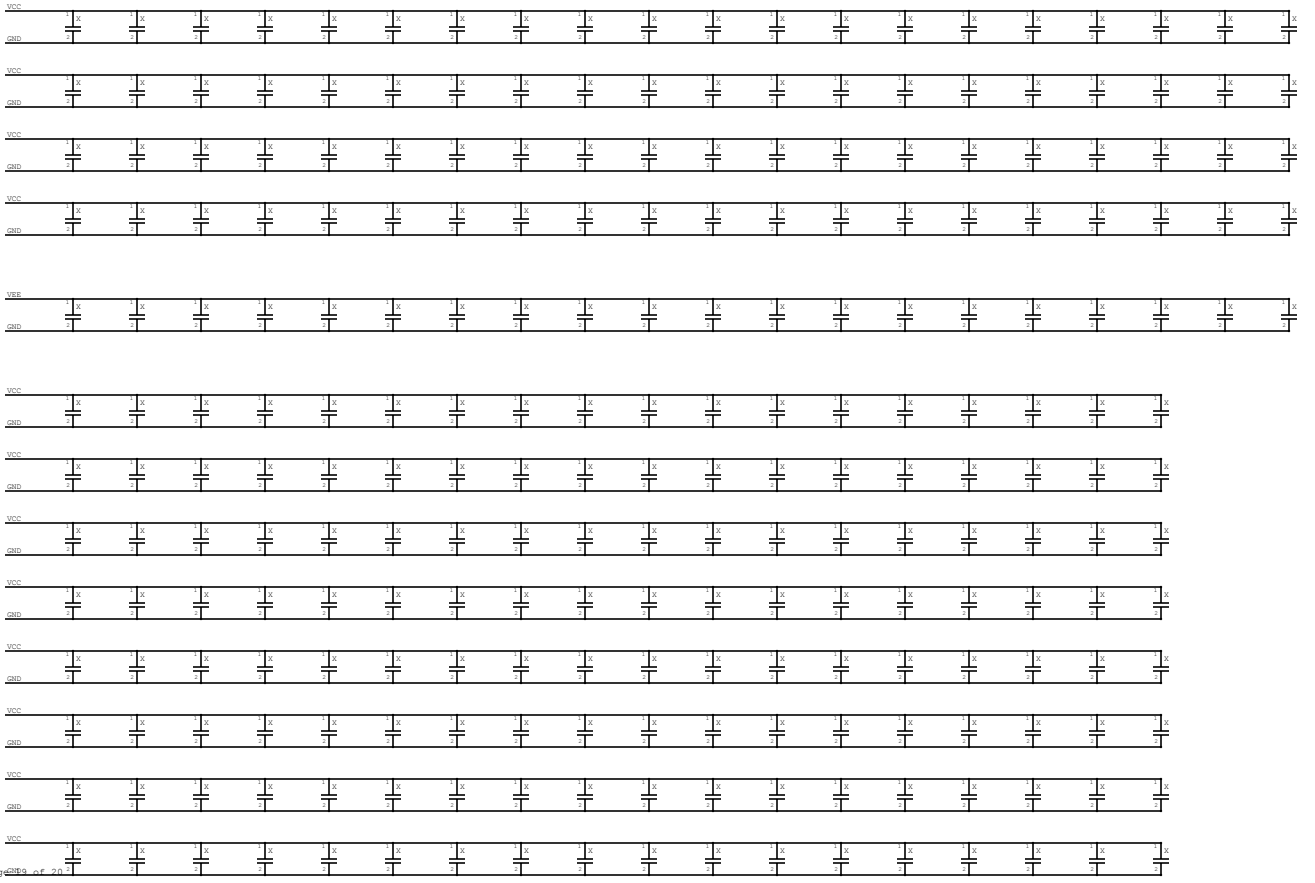

W.0X- ;16;17
W.1X ;17
AM8177
V.0X15
V.0X14
V.0X13
V.0X12
V.0X11
V.0X10
V.0X09
V.0X08
V.0X07
V.0X06
V.0X05
V.0X04
V.0X03
V.0X02
V.0X01
V.0X00
V.1X15
V.1X14
V.1X13
V.1X12
V.1X11
V.1X10
V.1X09
V.1X08
V.1X07
V.1X06
V.1X05
V.1X04
V.1X03
V.1X02
V.1X01
V.1X00
D00 SO
D01
D02
D03
D04
D05
D06
D07
D08
D09
D10
D11
D12
D13
D14
D15 SI
LE LD CK
V.VLE- ;16
W.LD0- ;16
W.LD1- ;16

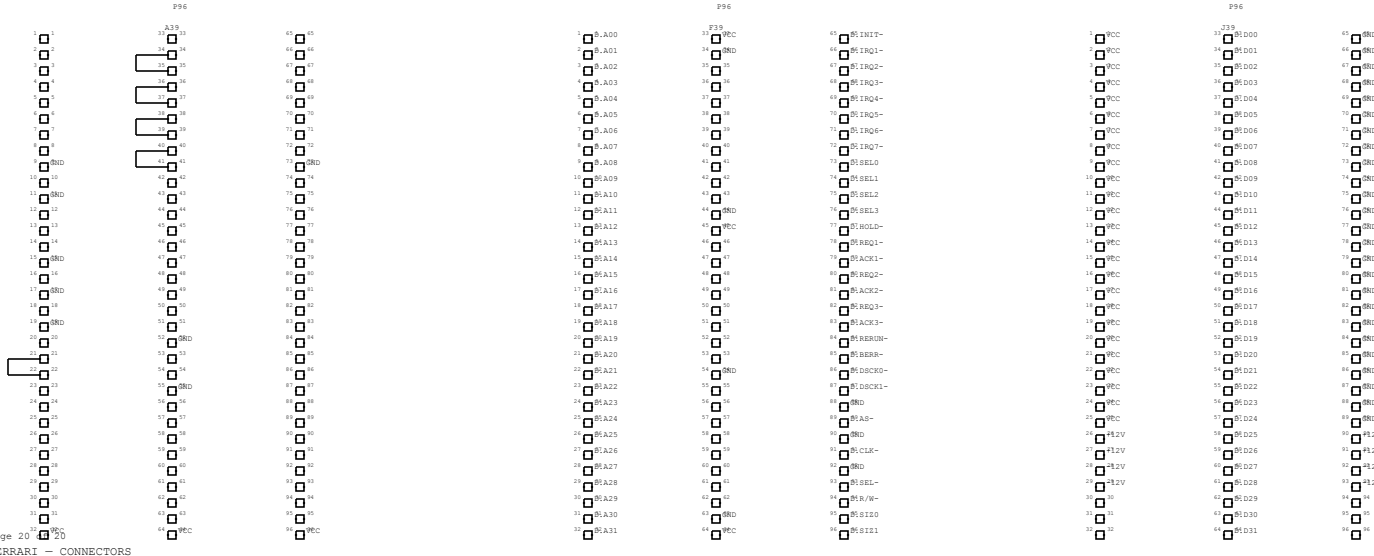

AM8177
10H131
10H101
10H124
10H125
74F74
P20X10
P16R6
VIDEO1
VIDEO2
VIDEO3
VIDEO4
VIDEO5
DB9
K1114E
VCC
GND
VEE
W.LDINH
W.LD0- ;15
W.LD1- ;15
W.C16
W.BLANK ;17
W.LDINH
W.VLE- ;15
W.CLK
W.SOE0 ;
W.SOE1 ;
W.CLK- ;17
W.CLK ;17
W.OSC
W.OX- ;15
W.V-
W.V+
V.BLANK-
V.LDINH-
V.CLKCLR-
PU.1
PU.2
V.CLK
V.VRES-
V.HRES-
V.VSYN
V.HSYN
V.SINT-
V.SASEN-
V.VBLK-
V.XREQ-
V.C16
V.HSYNC
V.VSYNC
V.CSYNC- ;17
V.LDINH-
V.BLANK-
V.VREQ ;8
V.CLKCLR-
V.HRESS-
V.INT- ;4
V.RRACK- ;8
EN.VIDEO ;3
V.VRES-
V.VSYN
V.VBLK-
V.V10]
V.RRREQ- ;8
V.HRES-
V.SINT-
V.SASEN- ;9
V.XREQ-
V.X0]
V.X1]
V.X2]
V.X3]
V.X4]
V.X5]
V.X6]
V.X7]
V.H0
V.H1
V.H2
V.H3
V.H4
V.H5
V.H6
V.V0
V.V1
V.V2
V.V3
V.V4
V.V5
V.V6
V.V7
V.V8
V.V9
V.VLE- ;15
V.VLE- ;15
V.VLE- ;15



FERRARI — VIDEO DACS AND OUTPUT


S10.T
R0 R1 R2 R3 R4 R5 R6 R7
A00 A01 A02 A03 A04 A05 A06 A07
B00 B01 B02 B03 B04 B05 B06 B07
2.2K/3.3K
R9.SIP
+5V-KOHM
RESET-
HALT-
P.ACK0-
P.ACK1-
P.ACK0-
P.ACK1-
PU.0
PU.1
PB.2
R9.SIPG
GND-KOHM
PD0-
PD1-
PD2-
PD3-
PD4-
PD5-
PD6-
PD7-
PRST-
A08 A09 A10 A11 A12 A13 A14 A15
B08 B09 B10 B11 B12 B13 B14 B15
S.REQ0-
S.REQ1-
S.REQ2-
S.REQ3-
S.HOLD-
S.DCK0-
S.DCK1-
S.BERR-
S.RERUN-
R8.ESIP
VEE
A.V-
A.V+
A.V
A.CLK
A.LX-
A.LD-
A.LDINH
A.C16
A16 A17 A18 A19 A20 A21 A22 A23
B16 B17 B18 B19 B20 B21 B22 B23
S.IRQ7-
S.IRQ6-
S.IRQ5-
S.IRQ4-
S.IRQ3-
S.IRQ2-
S.IRQ1-
IRQ4-
IRQ6-
VCC
DIODE
XXXXX
1N4448
47-KOHM
R
POR-[]
K
33-UF
A24 A25 A26 A27 A28 A29 A30 A31
B24 B25 B26 B27 B28 B29 B30 B31
SDIS-
SIAG-
SPARE
MMU0 MMU1 MMU2 MMU3 MMU4 MMU5 MMU6 MMU7
IO.D0 IO.D1 IO.D2 IO.D3 IO.D4 IO.D5 IO.D6 IO.D7
PC0 PC1 PC2 SIZ0 SIZ1 AS- BG- B.AS-


VCC
GND
VCC
GND
VCC
GND
VCC
GND
VEE
GND
VCC
GND
VCC
GND
VCC
GND
VCC
GND
VCC
GND
VCC
GND
VCC
GND
VCC
GND


P96
A39
GND
VCC
P96
F39
VCC
GND
B.A00
B.A01
B.A02
B.A03
B.A04
B.A05
B.A06
B.A07
B.A08
B.A09
B.A10
B.A11
B.A12
B.A13
B.A14
B.A15
B.A16
B.A17
B.A18
B.A19
B.A20
B.A21
B.A22
B.A23
B.A24
B.A25
B.A26
B.A27
B.A28
B.A29
B.A30
B.A31
B.INIT-
B.IRQ1-
B.IRQ2-
B.IRQ3-
B.IRQ4-
B.IRQ5-
B.IRQ6-
B.IRQ7-
B.SEL0
B.SEL1
B.SEL2
B.SEL3
B.HOLD-
B.REQ1-
B.ACK1-
B.REQ2-
B.ACK2-
B.REQ3-
B.ACK3-
B.RERUN-
B.BERR-
B.DSCK0-
B.DSCK1-
GND
B.AS-
GND
B.CLK-
GND
B.SEL-
B.R/W-
B.SIZ0
B.SIZ1
VCC
P96
J39
B.D00
B.D01
B.D02
B.D03
B.D04
B.D05
B.D06
B.D07
B.D08
B.D09
B.D10
B.D11
B.D12
B.D13
B.D14
B.D15
B.D16
B.D17
B.D18
B.D19
B.D20
B.D21
B.D22
B.D23
B.D24
B.D25
B.D26
B.D27
B.D28
B.D29
B.D30
B.D31
GND
+12V