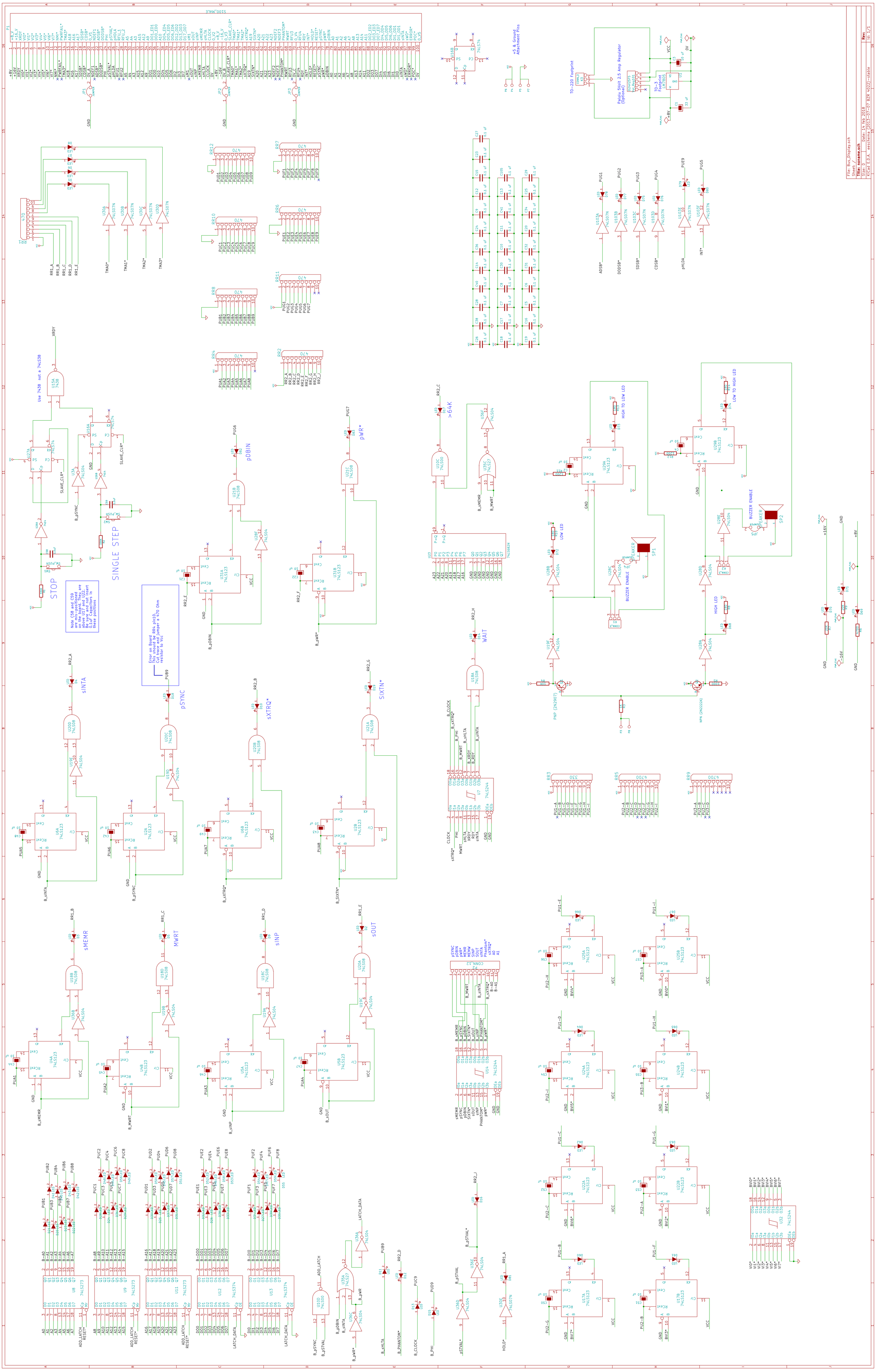
S100_MALE
P1
JP1
JP2
JP3
GND
+8V
+16V
XRDY
VIO*
VI1*
VI2*
VI3*
VI4*
VI5*
VI6*
VI7*
NMI*
PWRFAIL*
TMA3*
A18
A16
A17
SDSB*
CDSB*
O_V1
NDEF1
ADSB*
DODSB*
PHI
pSTVAL*
pHOLDA
RFU_1
RFU_2
A5
A4
A3
A15
A12
A9
D01_ED1
D00_ED0
A10
D04_ED4
D05_ED5
D02_ED2
D12_OD2
D13_OD3
D17_OD7
sM1
sOUT
sINP
sMEMR
sHLTA
CLOCK
O_V2
+8V
-16V
O_V5
SLAVE_CLR*
TMA0*
TMA1*
TMA2*
sXTRQ*
A19
SIXTN*
A20
A21
A22
A23
NDEF2
NDEF3
PHANTOM*
MWRT
PUR3
O_V4
RFU4
RDY
INT*
HOLD*
RESET*
pSYNC
pWR*
pDBIN
A0
A1
A2
A6
A7
A8
A13
A14
A11
D02
D03
D07
D14
D15
D10
sINTA
sWO*
ERROR*
POC*
O_V5
U16B
74LS74
+5 & Ground Attachment Pins
TO-220 Footprint
CONN_3
K3
Pololu 5Volt 2.5 Amp Regulator
D2N2925F5
Vol_Reg101
TO-3 Footprint
LM7805C
VCC
0V
+8V
C3
10 uF
C1
33 uF
U1
VO
GND
VI
PWR_FLAG
RR12
RR7
RR10
RR6
RR8
RR11
RR4
RR2
470
PUD1
PUD2
PUD3
PUD4
PUD5
PUD6
PUD7
PUD8
PUD9
PUE1
PUE2
PUE3
PUE4
PUE5
PUE6
PUE7
PUE8
PUE9
PUC1
PUC2
PUC3
PUC4
PUC5
PUC6
PUC7
PUC8
PUC9
PUG1
PUG2
PUG3
PUG4
PUG5
PUG6
PUG7
PUA1
PUA2
PUA3
PUA4
PUA5
PUA6
PUA7
PUA8
PUB1
PUB2
PUB3
PUB4
PUB5
PUB6
PUB7
PUB8
PUB9
RR1_A
RR1_B
RR1_C
RR1_D
RR1_E
RR2_A
RR2_B
RR2_C
RR2_D
RR2_E
RR2_F
RR2_G
RR2_H
RR2_J
RR1
RR2
RR3
RR5
RR9
330
4700
RP1
U30A
U30B
U30C
U30D
74LS07N
TMA0*
TMA1*
TMA2*
TMA3*
U1035A
U1035B
U1035C
U1035D
U1035E
U1035F
ADSB*
DODSB*
SDSB*
CDSB*
pHLDA
INT*
PUG1
PUG2
PUG3
PUG4
PUG5
PUE9
D78
D77
D75
D76
D79
D80
LED
U15A
7438
Use 7438 not a 74LS38
U27A
U16A
U3A
U26B
U26A
74LS04
74LS74
SLAVE_CLR*
B_pSYNC
GND
VCC
SW_PUSH
SW1
SW2
C58
C59
10uF
330K
R2
STOP
SINGLE STEP
Note C58 and C59 are mis-positioned on the board. They are above U27 and U22. Be sure and not insert 0.1uF Capacitors in these positions
Error on Board
This should be RR4 pin10.
Cut trace and jumper a 470 Ohm resistor to VCC
PUB9
U21B
U21C
U28F
U31A
U31B
74LS08
74LS123
74LS00
74LS27
74LS244
B_pDBIN
B_pWR*
B_sXTRQ*
B_pSTVAL*
B_sMEMR
B_pSYNC
B_sINTA
B_MWRT
B_sINP
B_SIXTN*
B_sHLTA
B_PHANTOM*
B_CLOCK
B_PHI
B_sOUT
B_pHLDA
B_HOLD*
B_sSINP
B_sWO*
B_sINTA
B_sERROR*
B_POC*
B_sRESET*
B_sSTVAL*
B_sDBIN
B_sRDY
B_sINT*
B_sHOLD*
B_sPSYNC
B_sPWR*
B_sDMGNT*
B_sDBIN
B_sA16
B_sA17
B_sA18
B_sA19
B_sA20
B_sA21
B_sA22
B_sA23
B_sD00
B_sD01
B_sD02
B_sD03
B_sD04
B_sD05
B_sD06
B_sD07
B_sD08
B_sD09
B_sD10
B_sD11
B_sD12
B_sD13
B_sD14
B_sD15
B_sD16
B_sD17
B_sA00
B_sA01
B_sA02
B_sA03
B_sA04
B_sA05
B_sA06
B_sA07
B_sA08
B_sA09
B_sA10
B_sA11
B_sA12
B_sA13
B_sA14
B_sA15
ADD_LATCH
LATCH_DATA
RESET*
U10C
U10D
U35A
U35C
U35E
U35F
U36A
U36B
U36C
U36D
U36E
U36F
U18A
U18B
U18C
U18D
U19A
U19B
U19C
U19D
U19E
U19F
U20A
U20B
U20C
U20D
U21A
U21C
U28A
U28B
U28C
U28D
U28E
U29A
U29B
U10
U11
U12
U13
U8
U9
74LS273
74LS374
74LS32
74LS86
74LS244
74LS245
74LS27
74LS00
74LS04
74LS08
74LS86
74LS123
74LS374
74LS273
74LS245
74LS5682N
U23
U7
U14
U32
U2A
U2B
U4A
U4B
U5A
U5B
U6A
U6B
U17A
U17B
U22A
U22B
U24A
U24B
U25A
U25B
U26A
U26B
U26C
U26D
U26E
U26F
U27A
U27B
U27C
U27D
U3A
U3B
U3C
U3D
U3E
U3F
LED
D1
D2
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D74
C1
C2
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C26
C27
C28
C29
C30
C31
C32
C34
C36
C38
C40
C41
C105
0.1 uF
10 uF
33 uF
CONN_3
K1
K2
K3
SPEAKER
SP1
SP2
JP5
JUMPER
PNP (2N2907)
NPN (2N2222A)
Q1
Q2
Q3
Q4
Q5
R1
R2
R3
R4
R5
R6
R7
R8
R9
R10
R11
R12
R13
R14
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R27
R28
R29
R30
R31
R32
R33
R34
R35
R36
R37
R38
R39
R40