TWN-5213 R00C.5_0222

R00A	05/31	HARRY W.LIAO
R00B	08/01	HARRY W.LIAO
R00C	09/20	HARRY W.LIAO
R00C.2	10/19	HARRY W.LIAO
R00C.3	12/11	HARRY W.LIAO
R00C.4	12/19	HARRY W.LIAO
R00C.5	02/22	HARRY W.LIAO

Title: INDEX		
Size: A	Document Number: TWN-5213 HARRY W.LIAO	Rev: R00C.5
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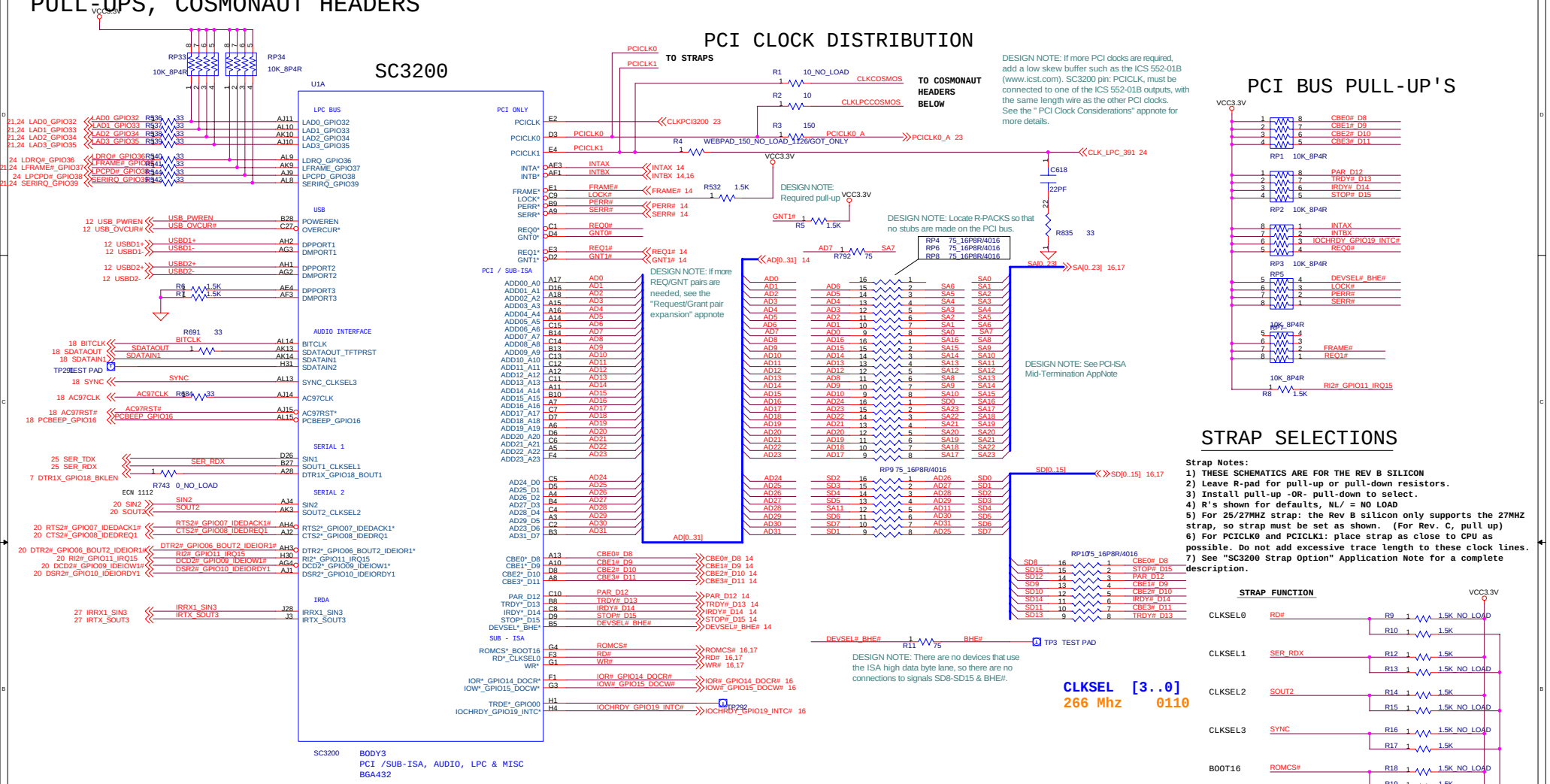
SC3200 INTERFACES: PCI/SUB-ISA, LPC, AUDIO, DOC, PCI CLOCKS; STRAP OPTIONS, PCI BUS PULL-UPS, COSMONAUT HEADERS



SC3200 INTERFACES: MEMORY, 32KHZ AND 27MHZ OSCILLATORS

DESIGN NOTE: GPWIO0 and GPWIO1 are also connected to the Ethernet controller and the Compact Flash connector respectivly. These GPWIO's are not expected to be shared. If Save-To-Ram is being used and either the Ethernet controller and the Compact Flash connector is also being used this conflict must be resolved. Contact your field service representative if your design has this issue.

SAVE-TO-RAM

DESIGN NOTE: This schematic does not have the power supply implementation that supports Save-to-RAM correctly. For the optimal implementation see the "Save-To-RAM" appnote for theory of opperation, power supply considerations, and the correct use of the power control signals: ONCNTL# and PWRCNT2.

DESIGN NOTE: If Save-To-Ram is not a system requirement then install the 10 ohm series resister and remove the Save-To-Ram circuit in the box.

R-PACKS

SC3200

U1B

SC3200 BODY1 MEMORY & SYSTEM BGA432

R-PACKS

27MHZ OSCILLATOR

DESIGN NOTE: Recommended crystal: PN SMS49 from Monitor Products Company Inc. (www.monitor-products.com)

32KHZ OSCILLATOR

DESIGN NOTE: For more information reguarding SDCLK routing see the "Layout Guidelines" appnote.

SODIMM total loop length is SDCLK + 2.5"
DIMM total loop length is SDCLK + 3.1"
On Board memory total loop length is SDCLK + 0"

-DEFAULT IS TOTAL SDCLK LENGTH
-TO ADD~500ps TO LOOP TIME:
REMOVE DEFAULT RESISTOR AND POPULATE THE "Rplus" RESISTORS.
-TO ADD ~1000ps TO LOOP TIME:
REMOVE DEFAULT RESISTOR AND POPULATE "Rplusplus" RESISTORS.

Title	SDRAM
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SC3200 INTERFACES: POWER; DECOUPLING CAPS, BATTERY HEADER

SINGLE POINT GROUND CONNECTIONS:

THESE FILTERED ANALOG SUPPLIES SHOULD BE LAYED OUT USING SEPARATE AND/OR POWER PLANE SPLITS. SEE LAYOUT GUIDELINES FOR DETAILS.

USE TANTALUM OR LOW-ESR ELECTROLYTIC (OSCON) CAPACITORS
SEE LAYOUT GUIDELINES FOR DECOUPLING CAPACITOR PLACEMENT

USE TANTALUM OR LOW-ESR ELECTROLYTIC (OSCON) CAPACITORS

DESIGN NOTE: These core-to-I/O caps are used to mitigate the core plane split, providing return current paths for signals which traverse the split.

Title	SC3200 POWER	
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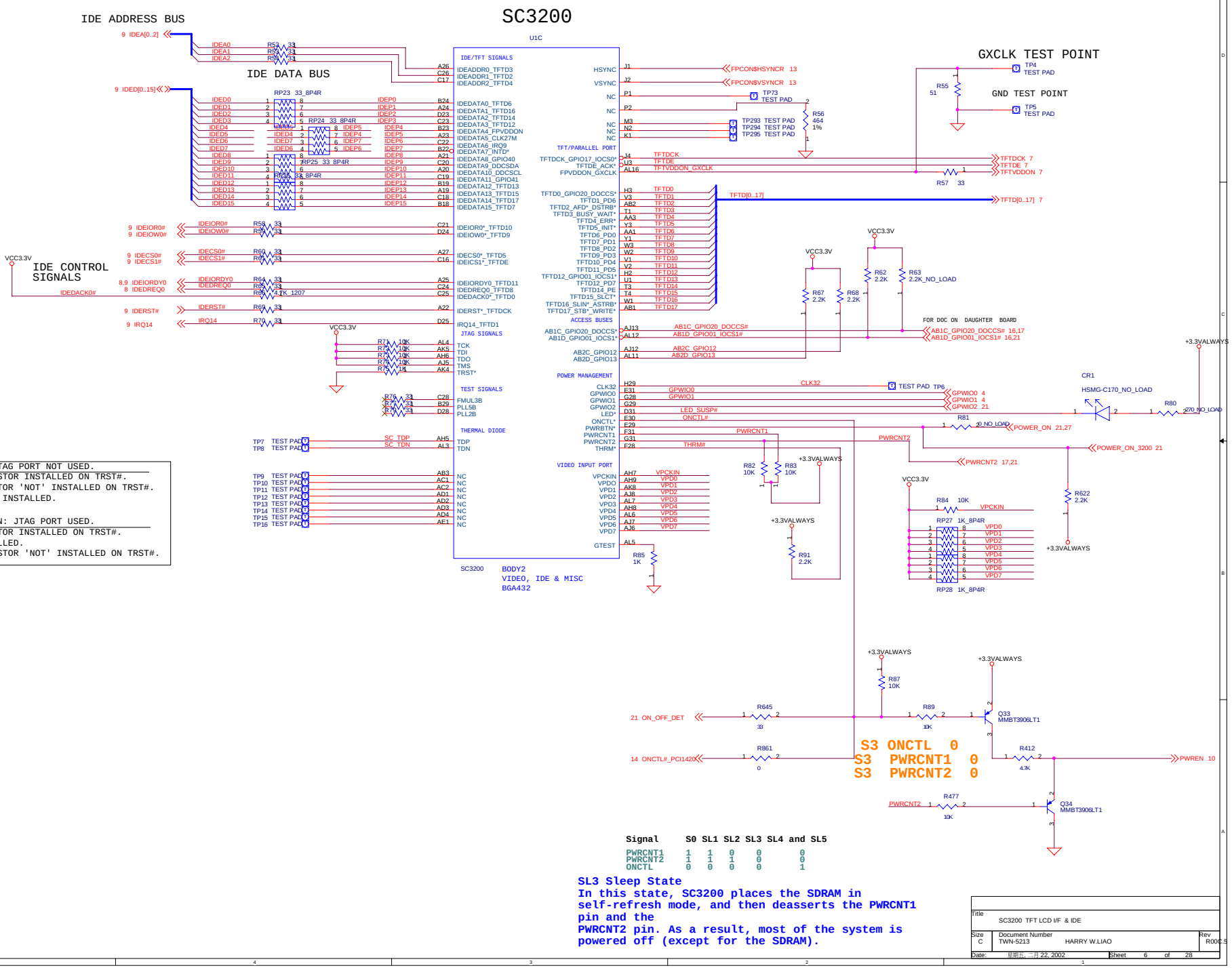
SC3200 INTERFACES: TFT (NO PARALLEL), IDE, POWER MANAGEMENT, JTAG (WITH HEADER), ACCESS BUS 1/2, CRT; TEMP SENSOR

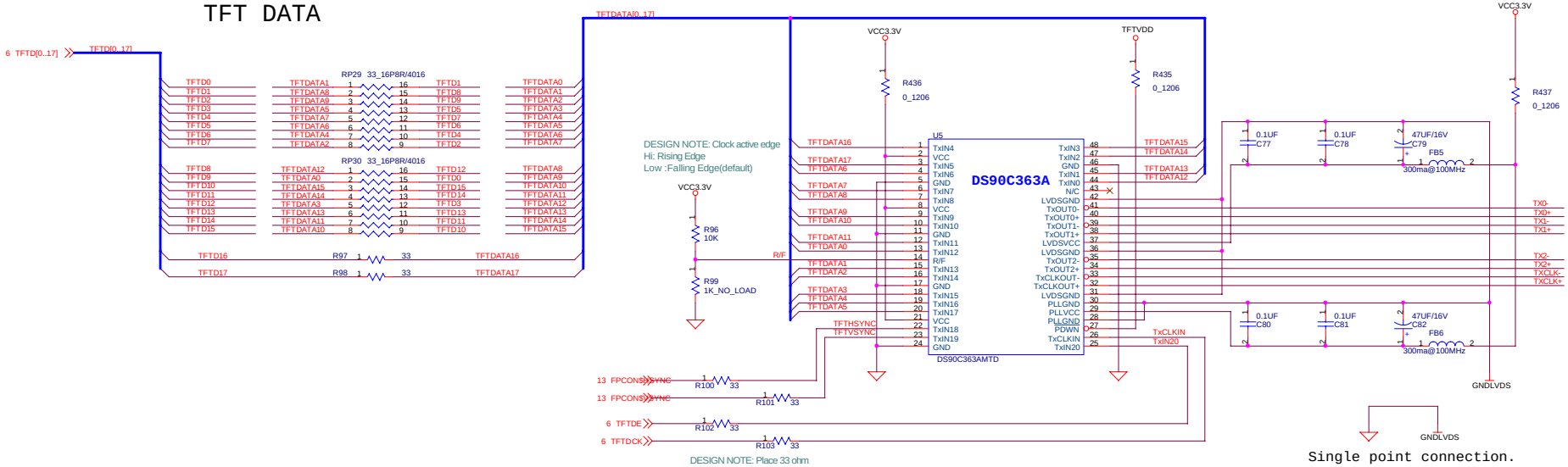


LVDS TFT: CONTROLLER, INVERTER, AND CONNECTOR.

```
TFT DATA BUS LINES/CONNECTIONS
TFTDATA[17..12] :  R5..R0  :  TxIN[5..0]
TFTDATA[11..6]  :  G5..G0  :  TxIN[11..6]
TFTDATA[5..0]   :  B5..B0  :
TxIN[17..12]
```

LVDS TFT CONVERTER/TRANSMITTER

TFT DATA

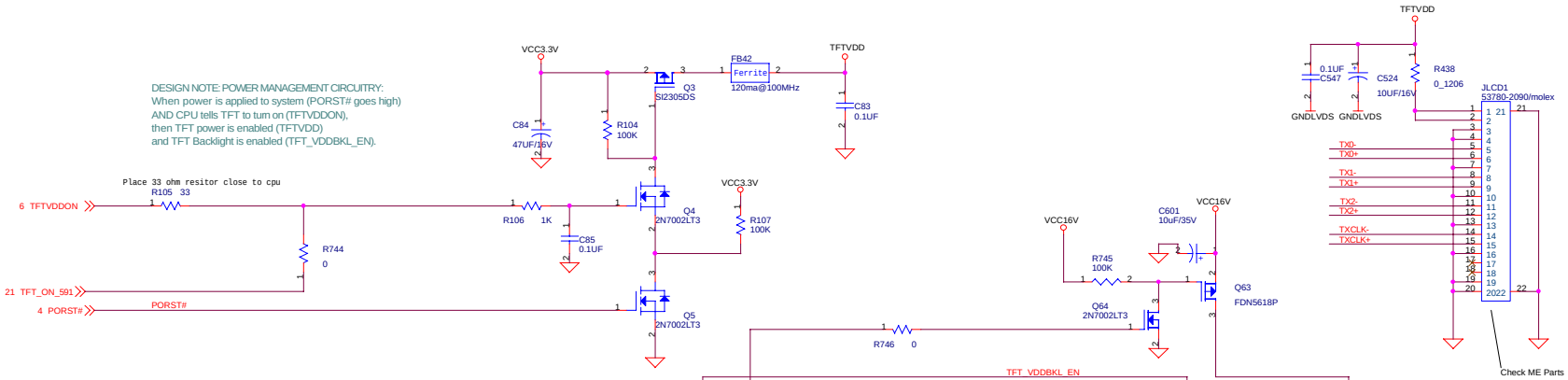


DESIGN NOTE: Clock active edge
Hi: Rising Edge
Low :Falling Edge(default)

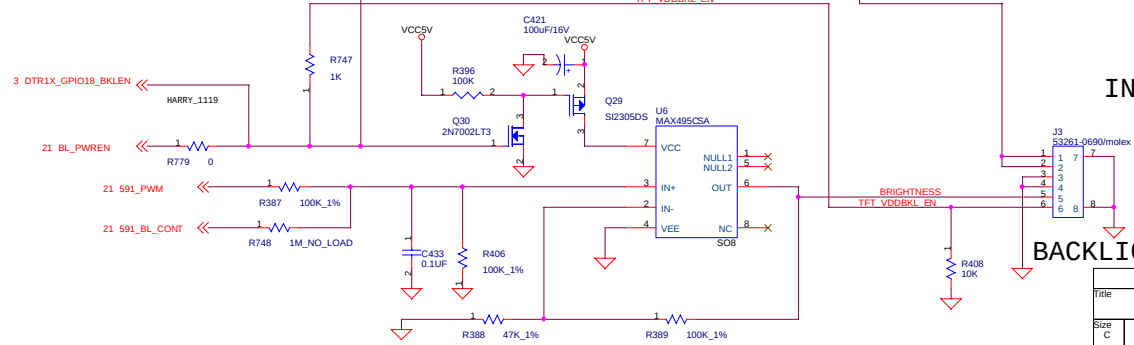
DESIGN NOTE: Place 33 ohm resistors close to the CPU.

Single point connection.

GENERIC TFT LVDS CONNECTOR



DESIGN NOTE: POWER MANAGEMENT CIRCUITRY:
When power is applied to system (PORST# goes high)
AND CPU tells TFT to turn on (TFTVDDON),
then TFT power is enabled (TFTVDD)
and TFT Backlight is enabled (TFT_VDDBKL_EN).



INVERTER CONNECTOR

BACKLIGHT INVERTER CIRCUIT

Title	LVDS & BACKLIGHT	
Size C	Document Number TWN-5213 HARRY W.LIAO	Rev R00C.5
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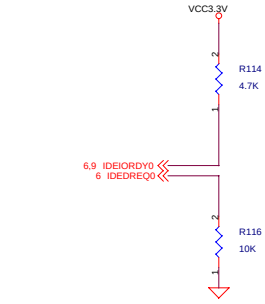
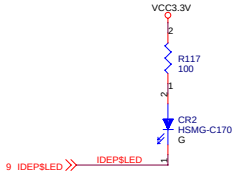
IDE: IDE INTERFACE AND CONNECTORS.





Title	IDE I/F FOR DEBUG	
Size C	Document Number TWN-5213 HARRY W.LIAO	Rev R00C.5
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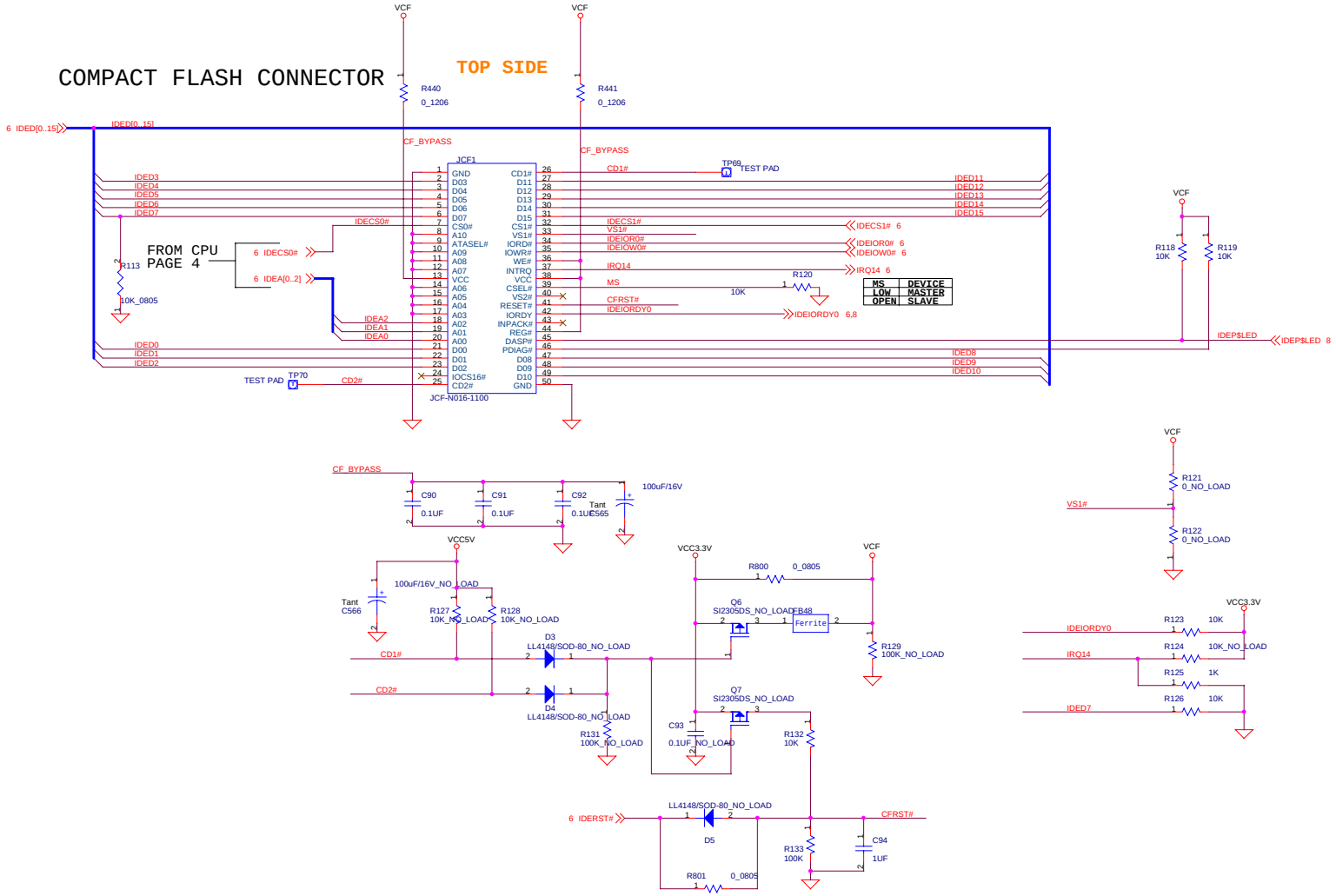
COMPACT FLASH:



Title	COMPACT FLASH			
Size C	Document Number TWN-5213	HARRY W.LIAO		Rev R00C.5
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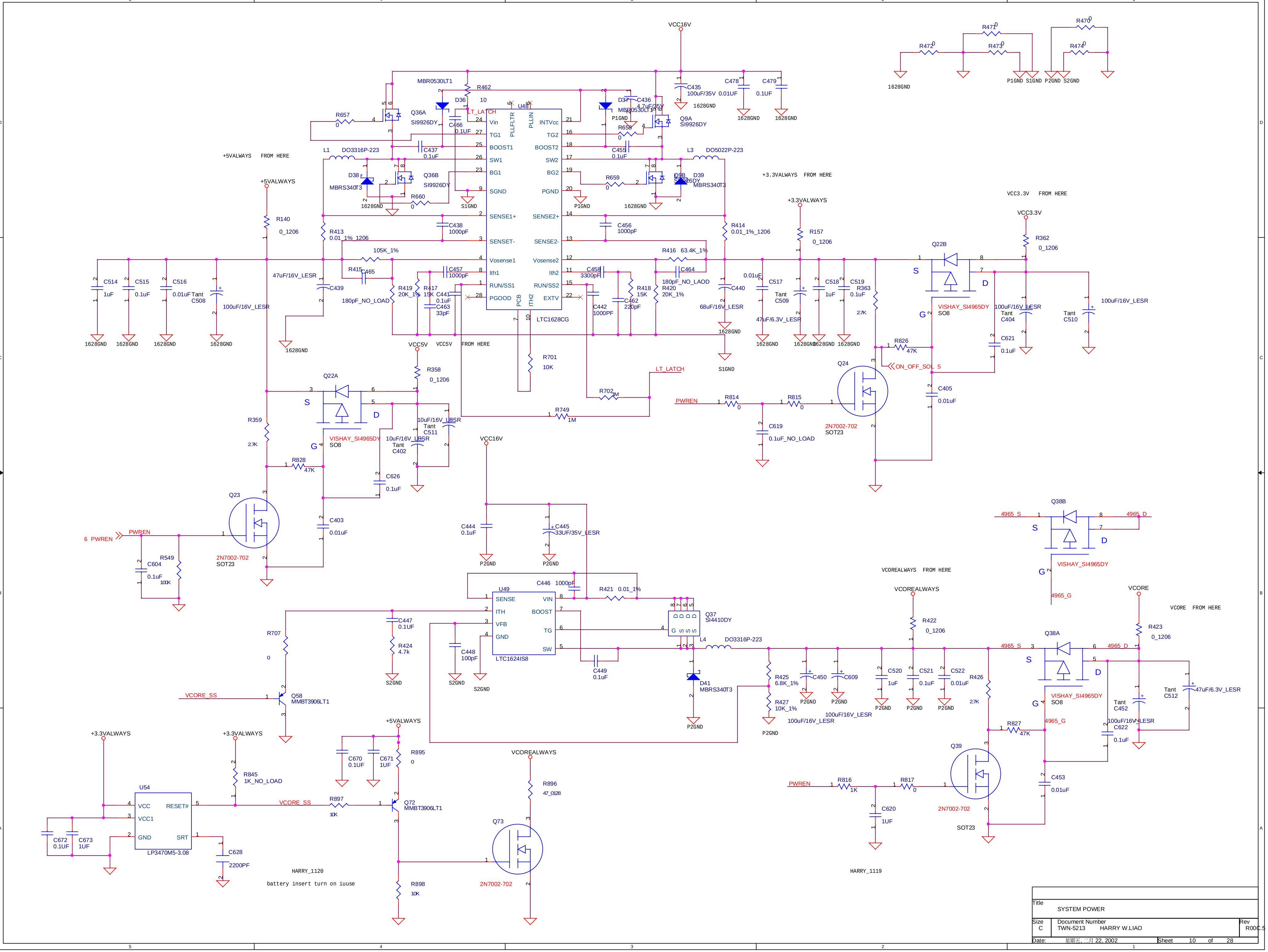
+5VALWAYS FROM HERE
+3.3VALWAYS FROM HERE
VCC3.3V FROM HERE
VCC5V FROM HERE
VCOREALWAYS FROM HERE
VCORE FROM HERE
HARRY_1120
battery insert turn on iuuse
HARRY_1119
Title
SYSTEM POWER
Size
C
Document Number
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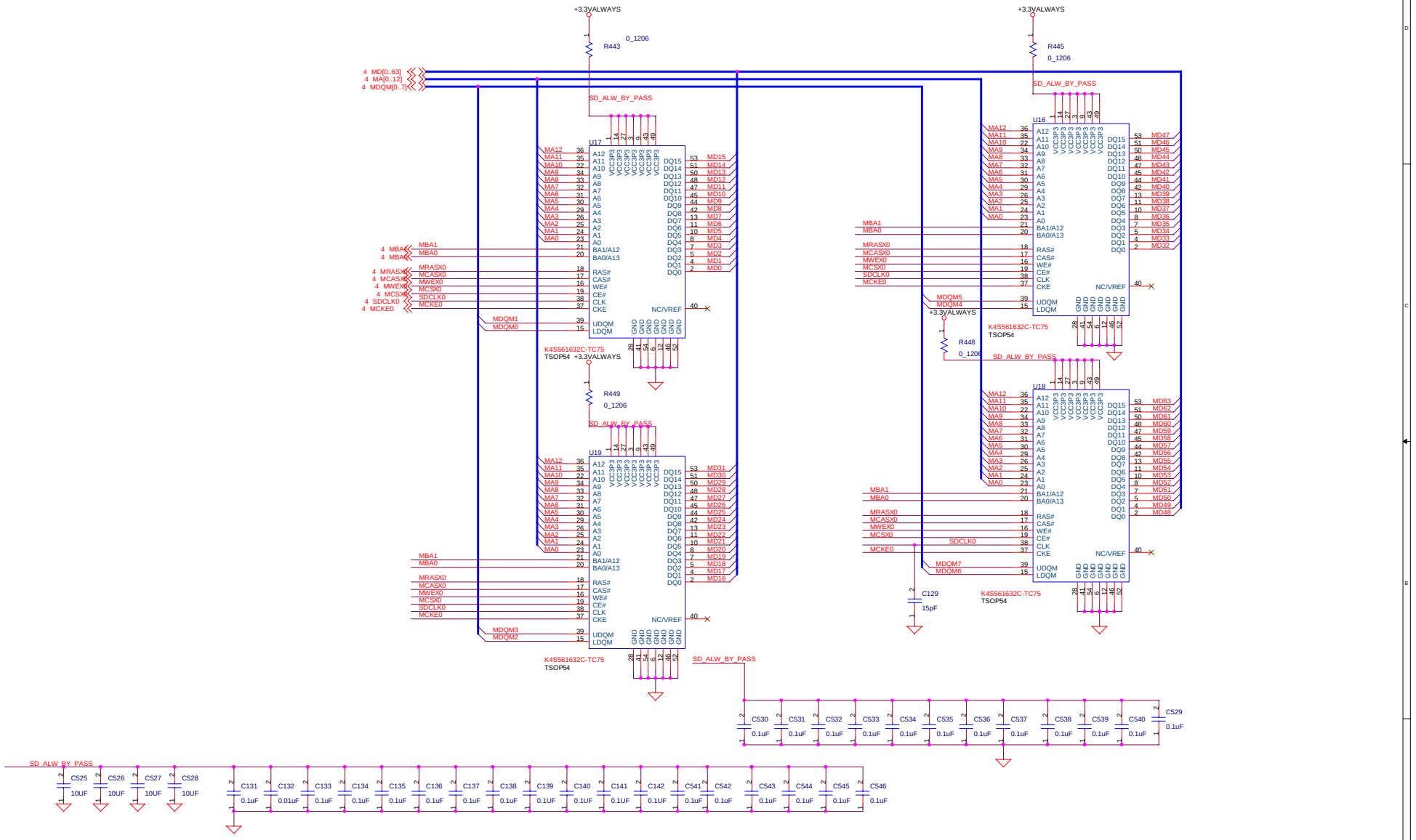
WEBPAD 16X16 K4S561632C-TC75



Title	SDRAM		
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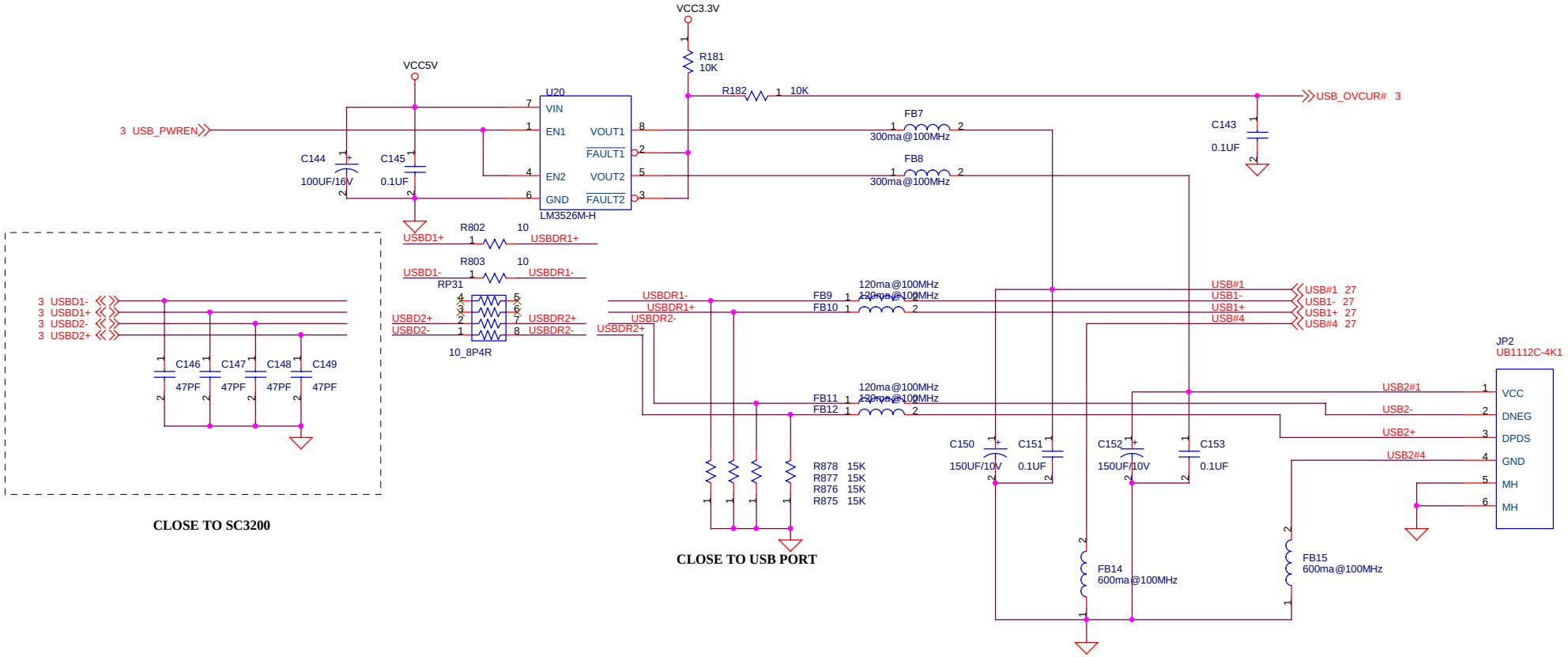
USB: INTERFACE AND CONNECTOR

USB INTERFACE



Title	USB PORT	
Size B	Document Number TWN-5213 HARRY W.LIAO	Rev R00C.5
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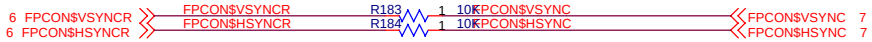

PLACE NEAR PROCESSOR

MUST BUFFER IF TRYING TO DRIVE BOTH FP AND CRT
IF ONLY DRIVING ONE, NO BUFFER REQUIRED

Title: VGA CONNECTOR FOR DEBUG		
Size: B	Document Number: TWN-5213 HARRY W.LIAO	Rev: R00C.5
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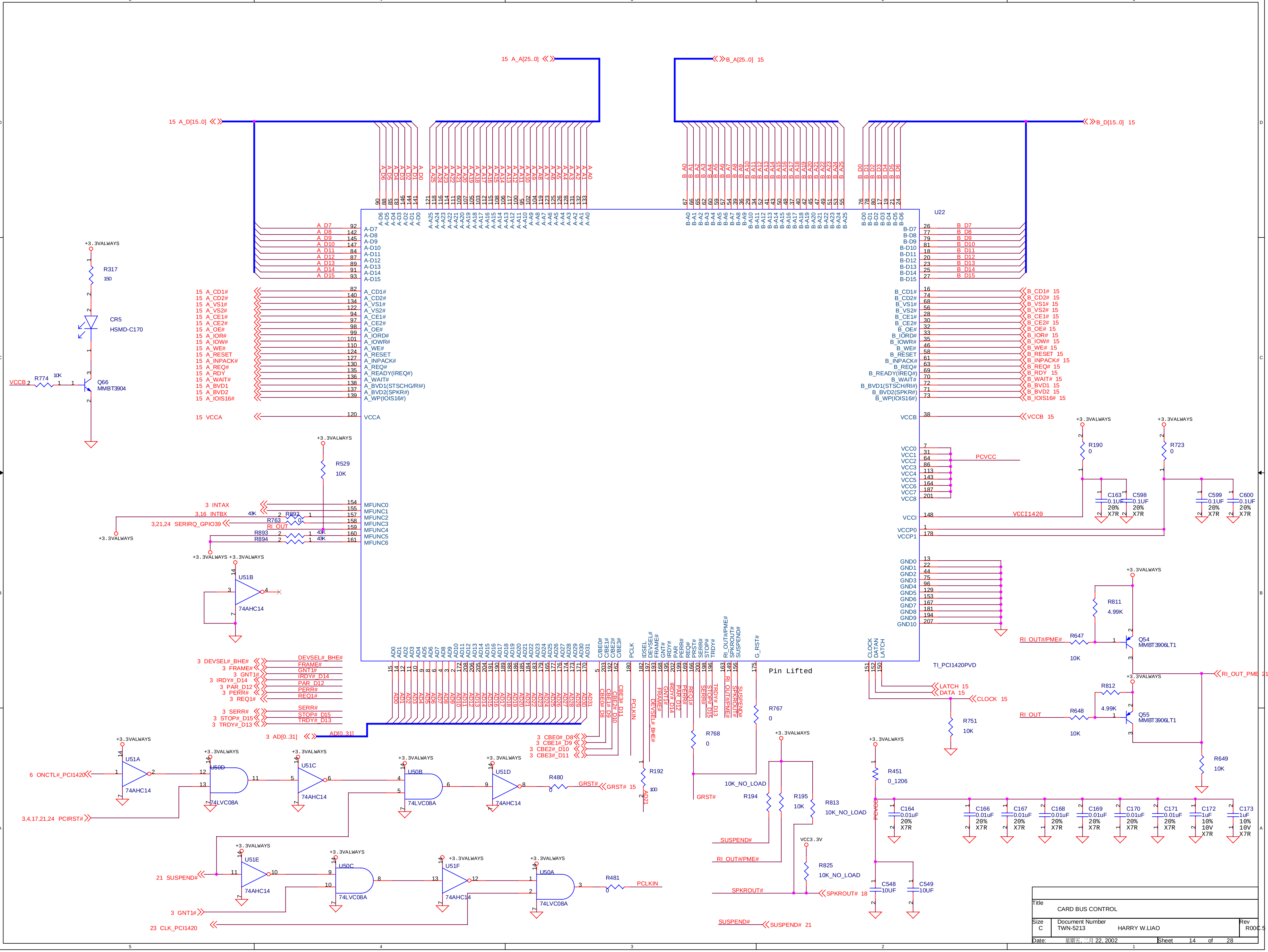

15 A_A[25..0]
B_A[25..0] 15
15 A_D[15..0]
B_D[15..0] 15
U22
TI_PCI1420PVD
Pin Lifted
R317 150
CR5 HSMD-C170
R774 10K
Q66 MMBT3904
VCCB
15 VCCA
VCCB 15
R529 10K
3 INTAX
3,16 INTBX
3,21,24 SERIRQ_GPIO39
RI_OUT
R763 0
R892 43K
R893 43K
R894 43K
U51B 74AHC14
PCVCC
VCCI1420
R190 0
R723 0
C163 0.1UF 20% X7R
C598 0.1UF 20% X7R
C599 0.1UF 20% X7R
C600 0.1UF 20% X7R
R811 4.99K
R647 10K
Q54 MMBT3906LT1
RI_OUT#/PME#
RI_OUT_PME 21
R812 4.99K
R648 10K
Q55 MMBT3906LT1
R649 10K
LATCH 15
DATA 15
CLOCK 15
R751 10K
3 AD[0..31]
3 CBE0#_D8
3 CBE1#_D9
3 CBE2#_D10
3 CBE3#_D11
PCLKIN
R192 100
AD21
R767 0
R768 0
GRST#
R194 10K_NO_LOAD
R195 10K
R813 10K_NO_LOAD
R825 10K_NO_LOAD
VCC3.3V
SPKROUT# 18
SUSPEND# 21
R451 0_1206
C548 10UF
C549 10UF
C164 0.01uF 20% X7R
C166 0.01uF 20% X7R
C167 0.01uF 20% X7R
C168 0.01uF 20% X7R
C169 0.01uF 20% X7R
C170 0.01uF 20% X7R
C171 0.01uF 20% X7R
C172 1uF 10% 10V X7R
C173 1uF 10% 10V X7R
6 ONCTL#_PCI1420
3,4,17,21,24 PCIRST#
21 SUSPEND#
3 GNT1#
23 CLK_PCI1420
U51A 74AHC14
U50D 74LVC08A
U51C 74AHC14
U50B 74LVC08A
U51D 74AHC14
R480 0
GRST# 15
U51E 74AHC14
U50C 74LVC08A
U51F 74AHC14
U50A 74LVC08A
R481 0
+3.3VALWAYS
Title
CARD BUS CONTROL
Size C
Document Number
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HARRY W.LIAO
Rev
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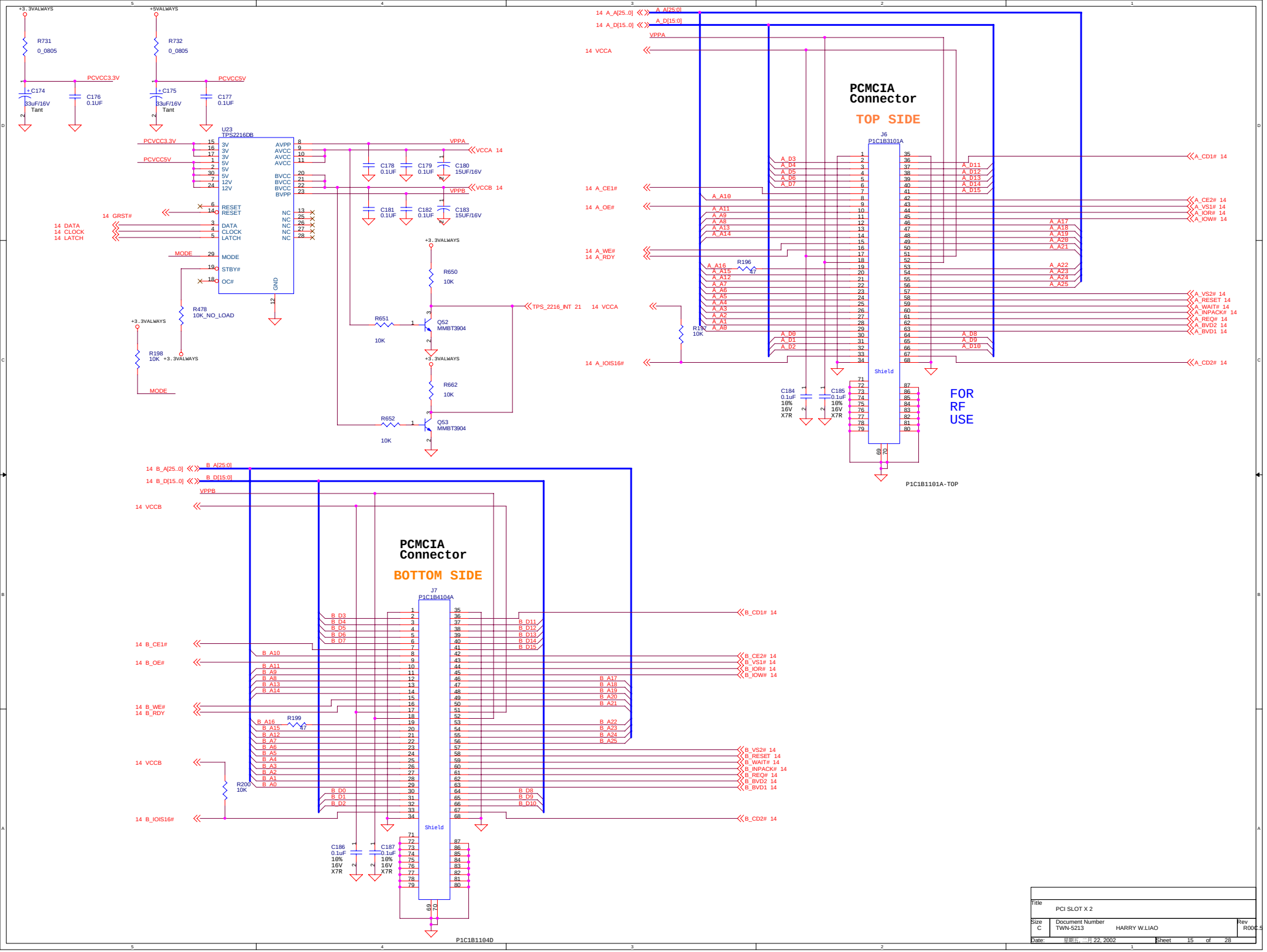
PCMCIA Connector
TOP SIDE
J6
P1C1B3101A
FOR RF USE
P1C1B1101A-TOP
PCMCIA Connector
BOTTOM SIDE
J7
P1C1B4104A
P1C1B1104D
U23
TPS2216DB
R731 0_0805
R732 0_0805
C174 33uF/16V Tant
C175 33uF/16V Tant
C176 0.1UF
C177 0.1UF
C178 0.1UF
C179 0.1UF
C180 15UF/16V
C181 0.1UF
C182 0.1UF
C183 15UF/16V
C184 0.1uF 10% 16V X7R
C185 0.1uF 10% 16V X7R
C186 0.1uF 10% 16V X7R
C187 0.1uF 10% 16V X7R
R650 10K
R651 10K
R652 10K
R662 10K
R478 10K_NO_LOAD
R198 10K
R196 47
R199 47
R197 10K
R200 10K
Q52 MMBT3904
Q53 MMBT3904
Shield
Title
PCI SLOT X 2
Size C
Document Number TWN-5213
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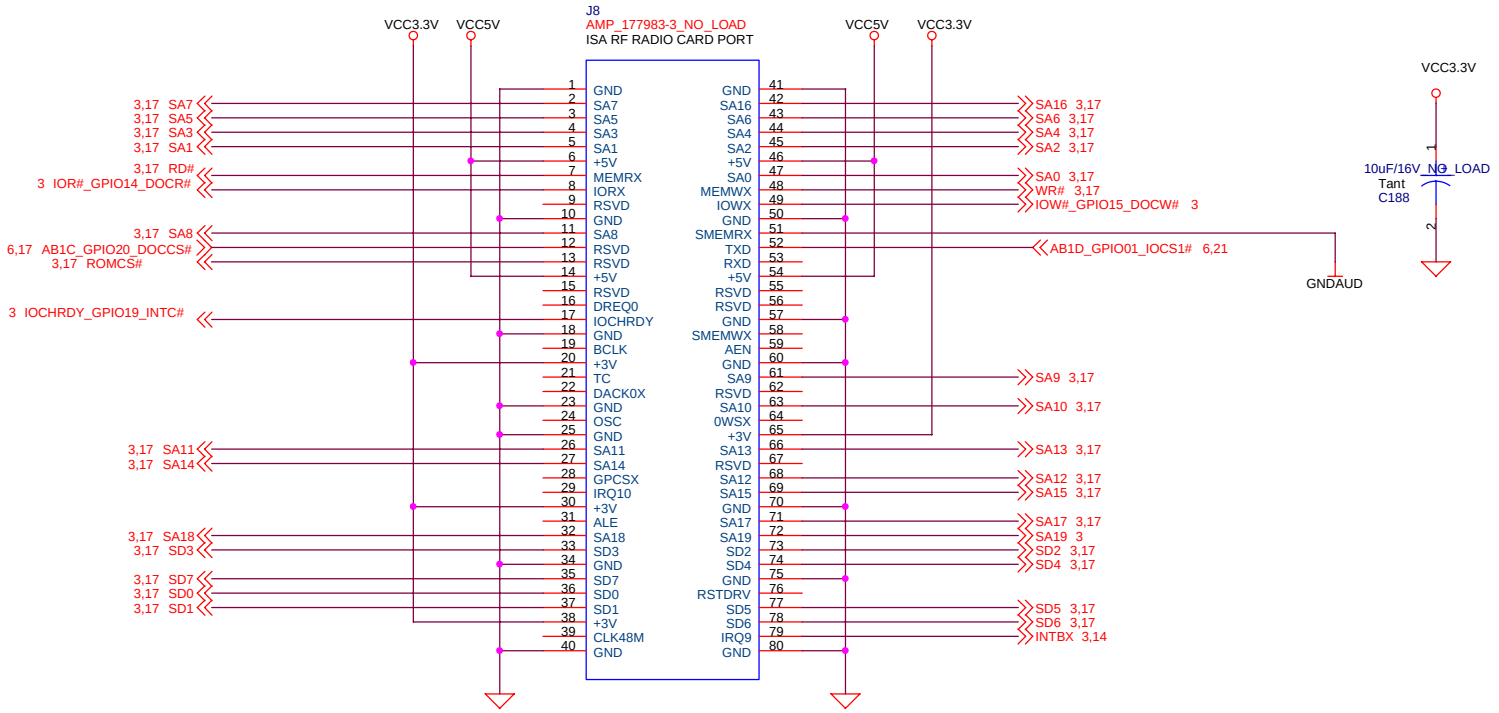

FOR DEBUG PORT80

Title	ISA FOR PORT 80	
Size B	Document Number TWN-5213 HARRY W.LIAO	Rev R00C.5
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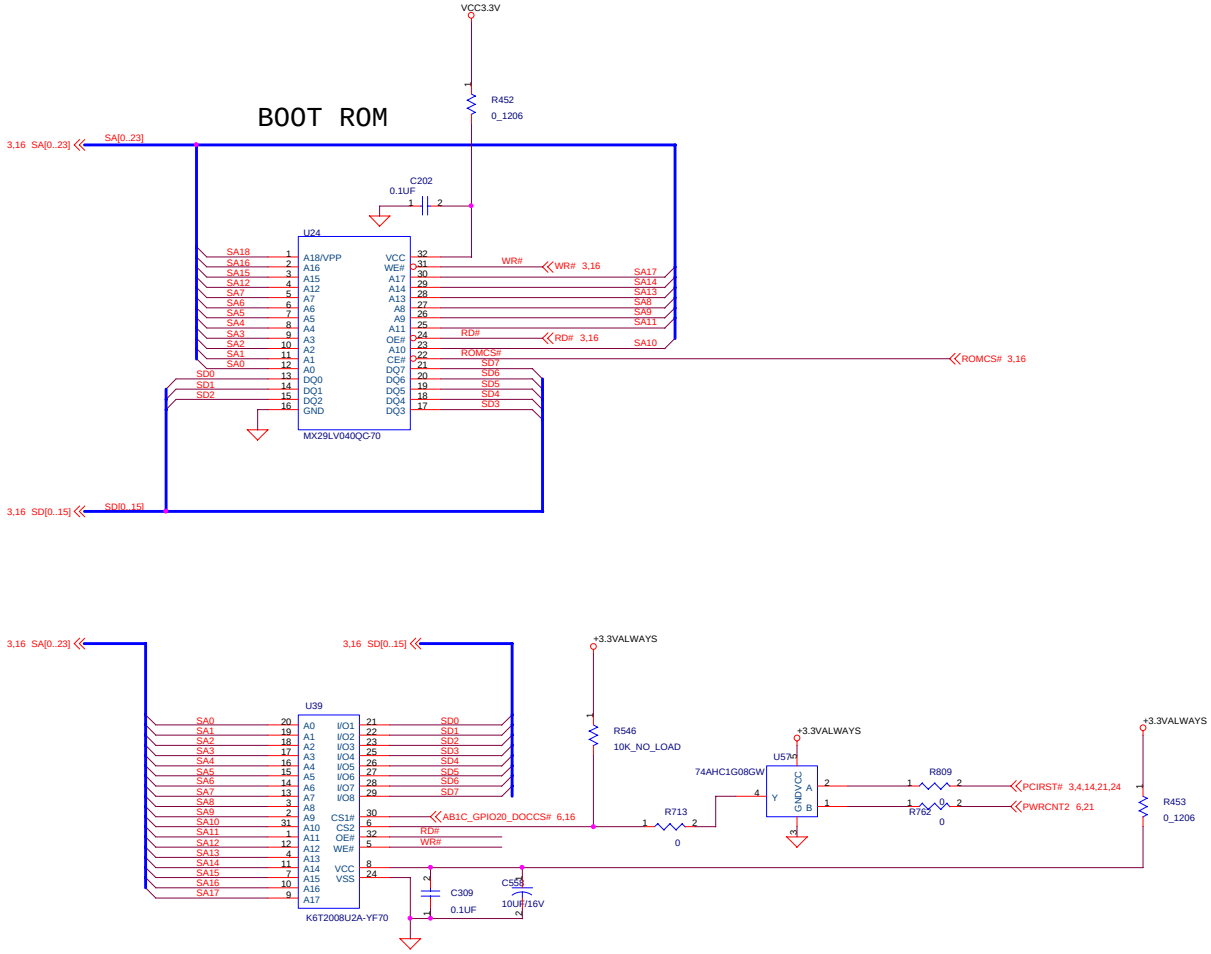
BOOT ROM + D.O.C.: ISA BOOT ROM AND DOC DEVICES, DOWSER HEADER, POLARIS HEADER



Title	BOOT ROM & SRAM		
Size C	Document Number TWN-5213	HARRY W.LIAO	Rev R00C.5
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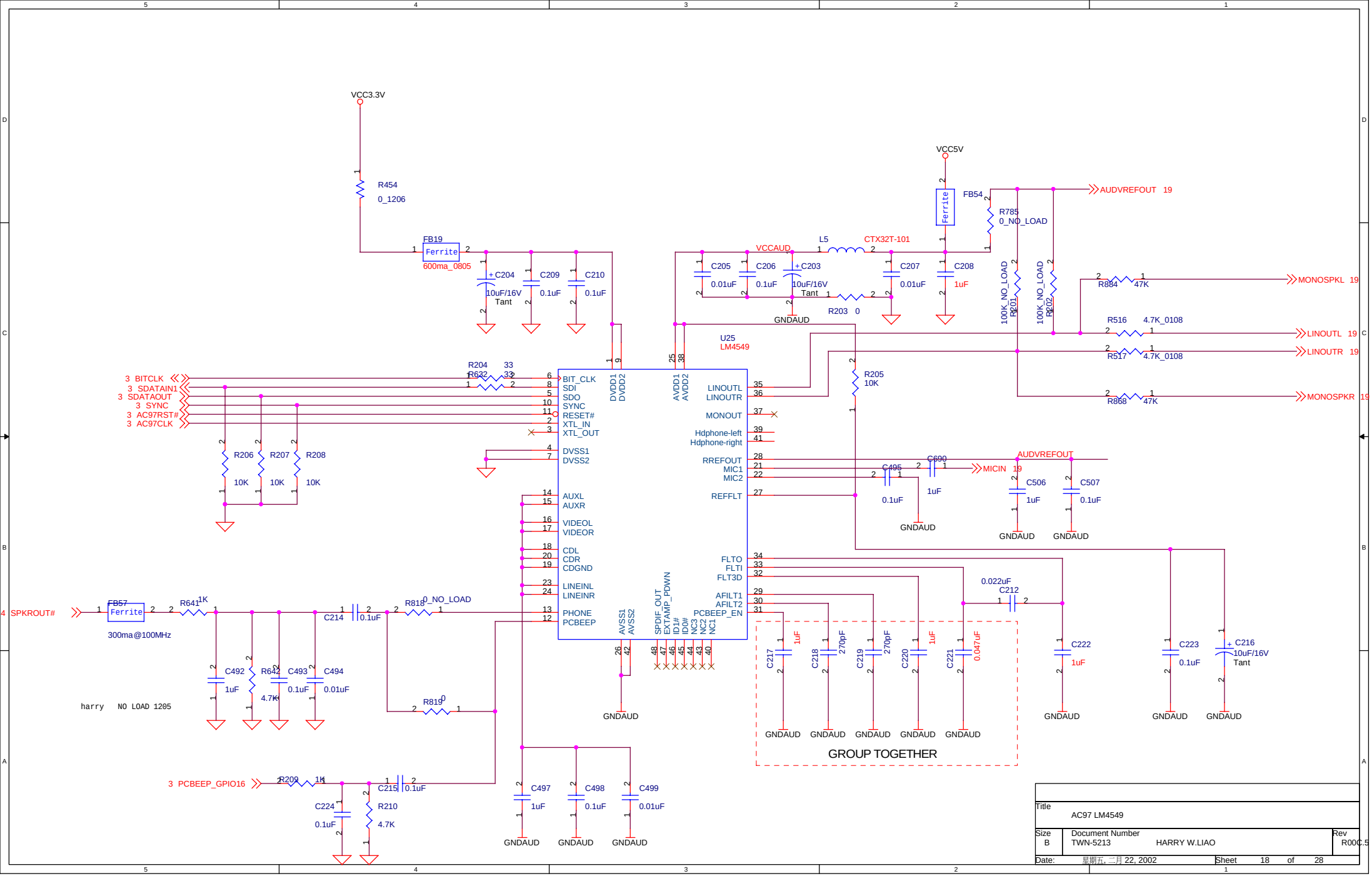
VCC3.3V
R454
0_1206
FB19
Ferrite
600ma_0805
C204
10uF/16V
Tant
C209
0.1uF
C210
0.1uF
VCC5V
FB54
Ferrite
R785
0_NO_LOAD
AUDVREFOUT 19
L5
CTX32T-101
VCCAUD
C205
0.01uF
C206
0.1uF
C203
10uF/16V
Tant
C207
0.01uF
C208
1uF
R203 0
GNDAUD
100K_NO_LOAD
R201
100K_NO_LOAD
R202
R884
47K
MONOSPKL 19
R516
4.7K_0108
LINOUTL 19
R517
4.7K_0108
LINOUTR 19
R868
47K
MONOSPKR 19
U25
LM4549
3 BITCLK
3 SDATAIN1
3 SDATAOUT
3 SYNC
3 AC97RST#
3 AC97CLK
R204
33
R632
33
R205
10K
R206
10K
R207
10K
R208
10K
BIT_CLK
SDI
SDO
SYNC
RESET#
XTL_IN
XTL_OUT
DVSS1
DVSS2
DVDD1
DVDD2
AVDD1
AVDD2
LINOUTL
LINOUTR
MONOUT
Hdphone-left
Hdphone-right
RREFOUT
MIC1
MIC2
REFFLT
C495
0.1uF
C690
1uF
MICIN 19
AUDVREFOUT
C506
1uF
C507
0.1uF
AUXL
AUXR
VIDEOL
VIDEOR
CDL
CDR
CDGND
LINEINL
LINEINR
PHONE
PCBEEP
FLTO
FLTI
FLT3D
AFILT1
AFILT2
PCBEEP_EN
SPDIF_OUT
EXTAMP_PDWN
ID1#
ID0#
NC3
NC2
NC1
AVSS1
AVSS2
0.022uF
C212
4 SPKROUT#
FB57
Ferrite
300ma@100MHz
R641
1K
C214
0.1uF
R818
0_NO_LOAD
C492
1uF
R642
4.7K
C493
0.1uF
C494
0.01uF
harry NO LOAD 1205
R819
0
C217
1uF
C218
270pF
C219
270pF
C220
1uF
C221
0.047uF
C222
1uF
C223
0.1uF
C216
10uF/16V
Tant
3 PCBEEP_GPIO16
R209
1K
C215
0.1uF
C224
0.1uF
R210
4.7K
C497
1uF
C498
0.1uF
C499
0.01uF
GROUP TOGETHER
Title
AC97 LM4549
Size
B
Document Number
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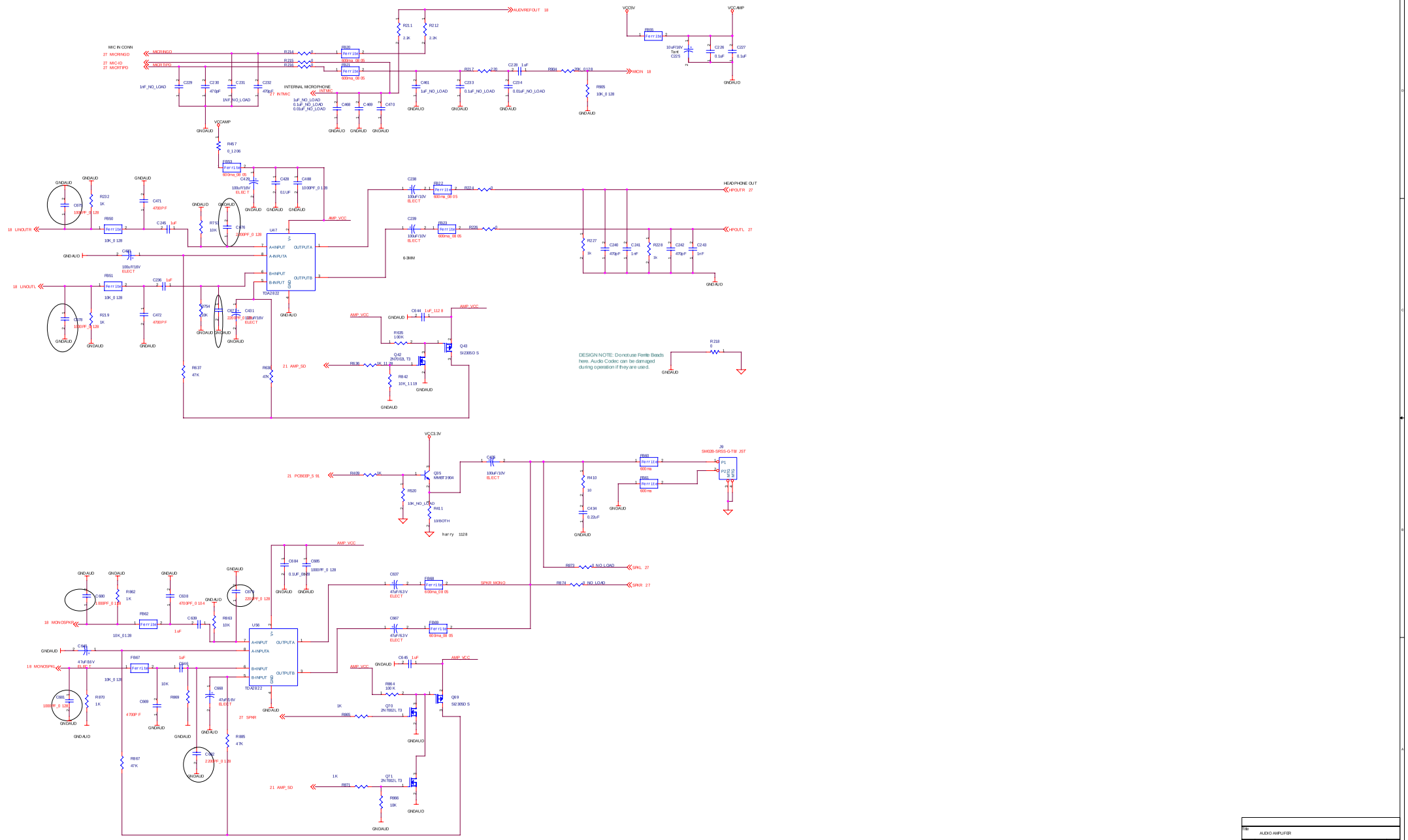

Title	AUDIO AMPLIFIER		
Size D	Document Number TWN-S213	HARRY W.LIAO	Rev R00C1
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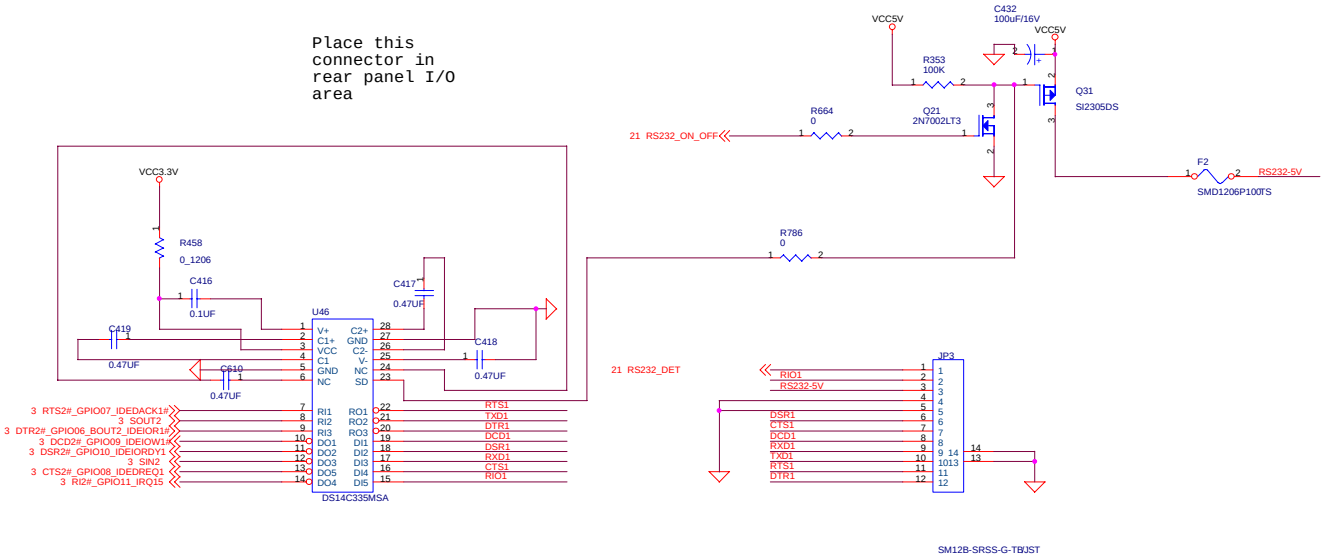

Title	SERIAL PORT		
Size C	Document Number TWN-5213	HARRY W.LIAO	Rev R00C.5
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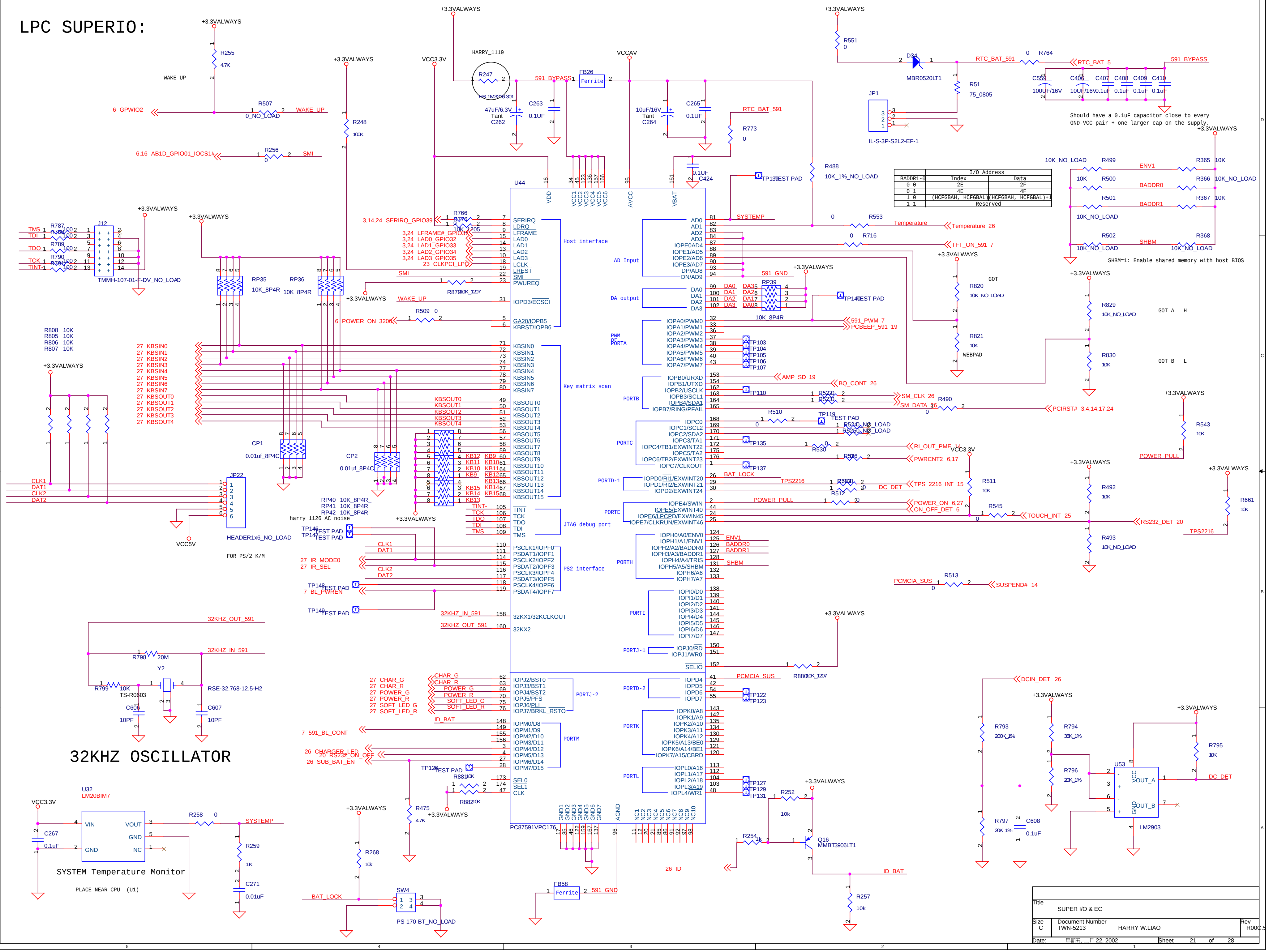
LPC SUPERIO:



I/O Address		
BADDR1-0	Index	Data
0 0	2E	2F
0 1	4E	4F
1 0	(HCFGBAH, HCFGBAL)	(HCFGBAH, HCFGBAL)+1
1 1	Reserved	

32KHZ OSCILLATOR

U32
LM20BIM7

SYSTEM Temperature Monitor

PLACE NEAR CPU (U1)

Title	SUPER I/O & EC
Size	C
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Title	LPC SUPER I/O PC87360
Size: B	Document Number: TWN-5213 HARRY W.LIAO
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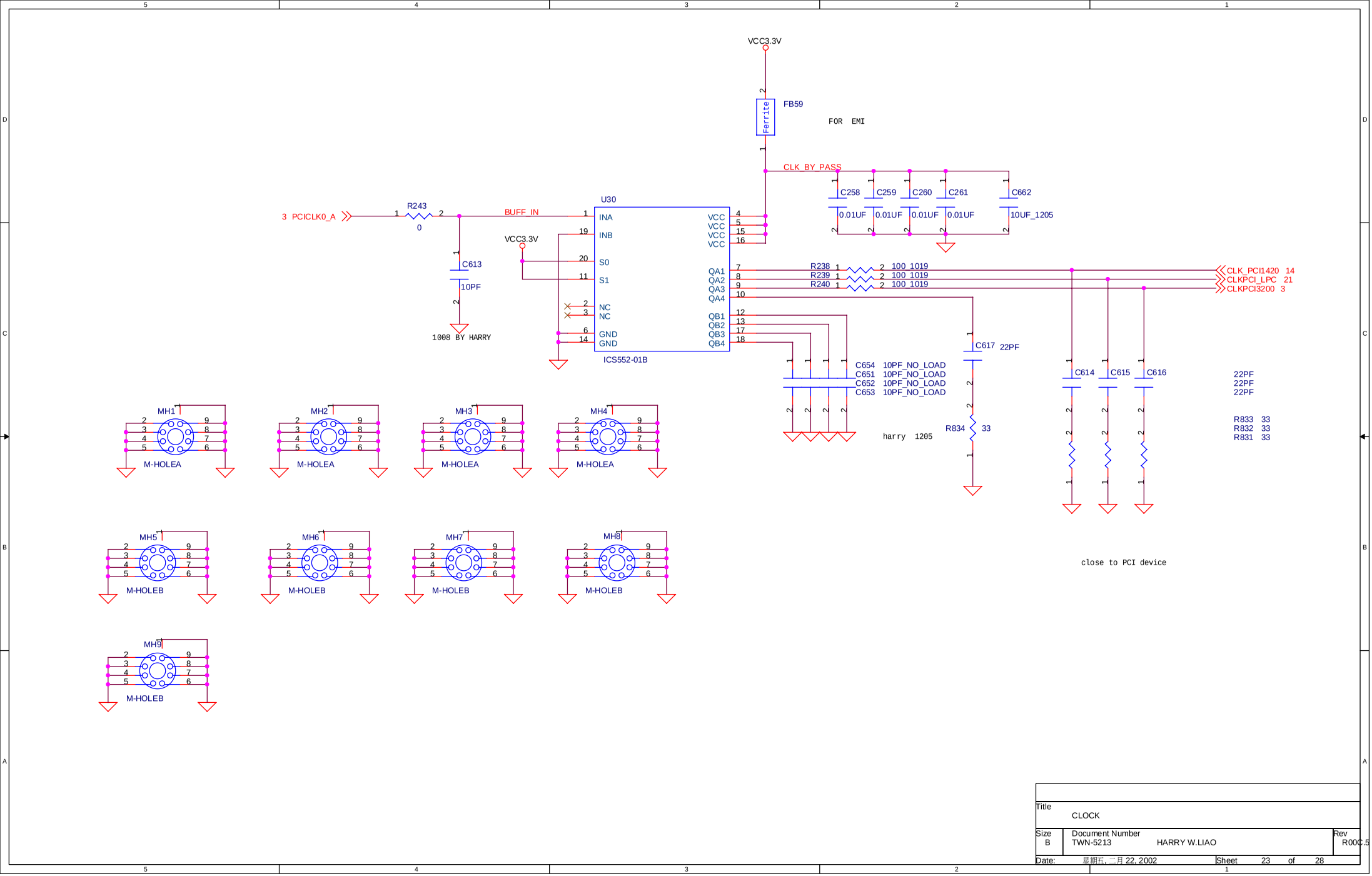

Title	CLOCK	
Size B	Document Number TWN-5213 HARRY W.LIAO	Rev R00C.5
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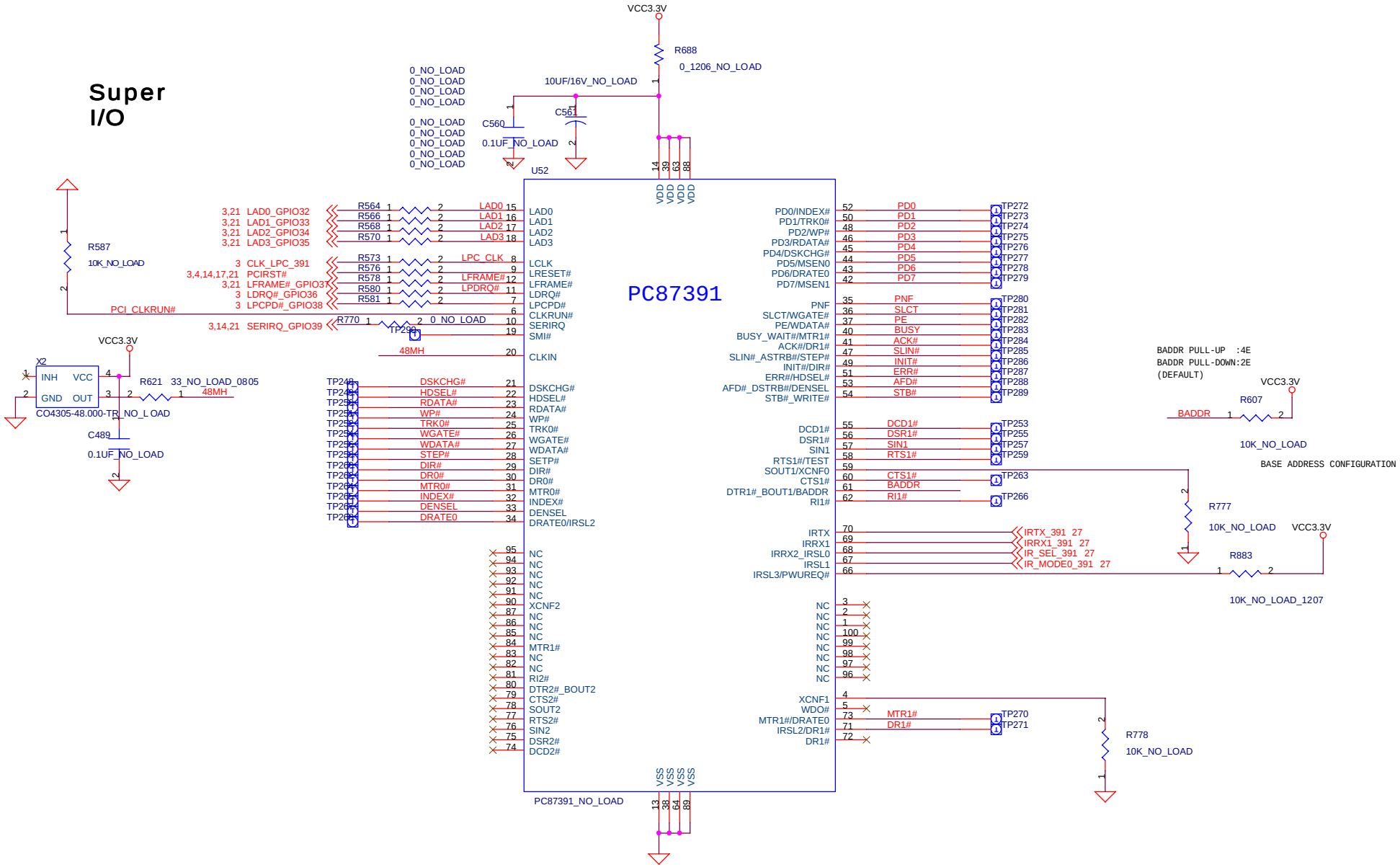

Title	PC87391 SUPER I/O		
Size B	Document Number TWN-5213 HARRY W.LIAO		Rev R00C.5
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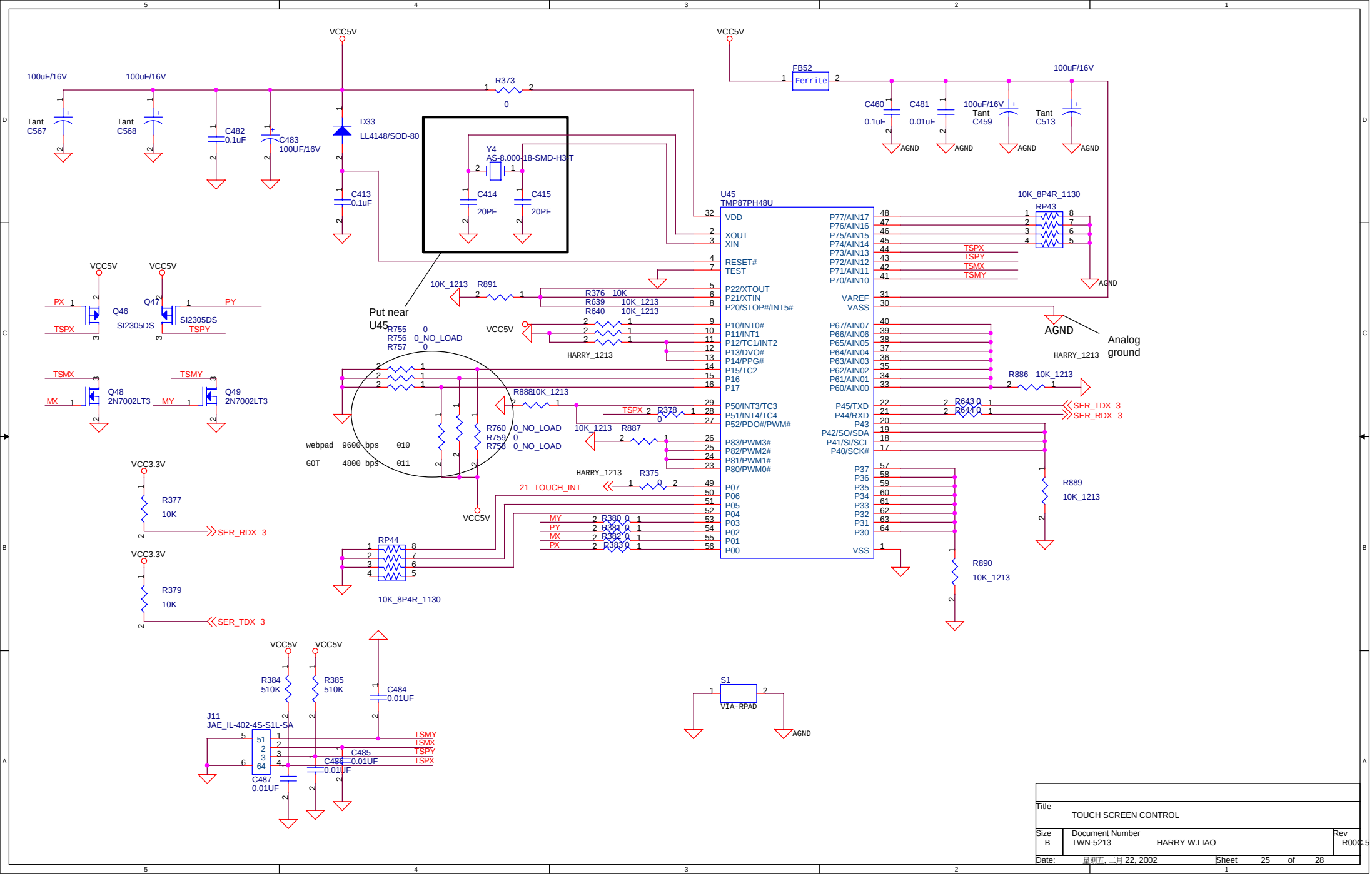

Title	TOUCH SCREEN CONTROL	
Size B	Document Number TWN-5213 HARRY W.LIAO	Rev R00C.5
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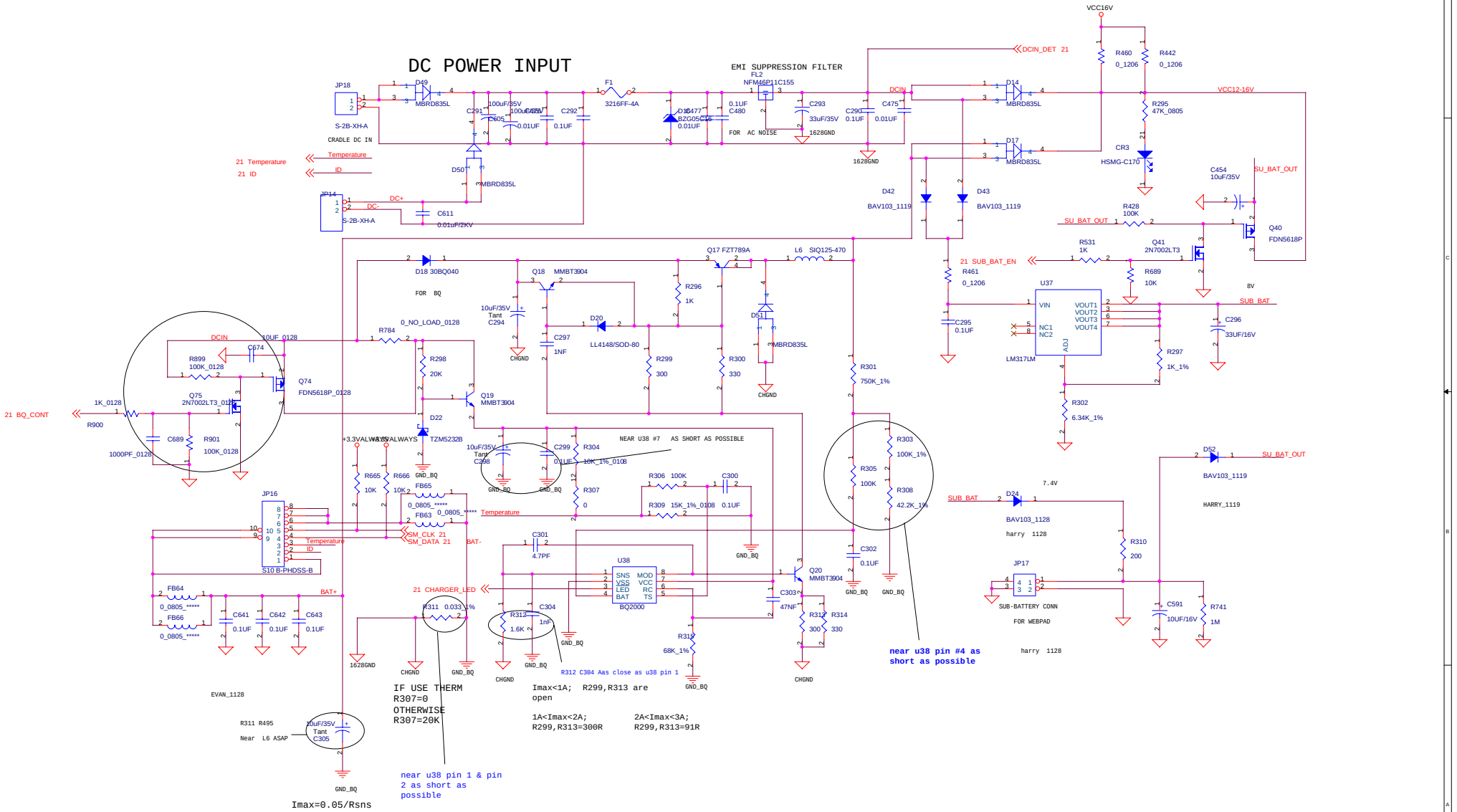
DC POWER INPUT
EMI SUPPRESSION FILTER
VCC16V
DCIN_DET 21
JP18
S-2B-XH-A
CRADLE DC IN
F1
3216FF-4A
FL2
NFM46P11C155
DCIN
FOR AC NOISE
1628GND
R460 0_1206
R442 0_1206
VCC12-16V
R295 47K_0805
CR3
HSMG-C170
21 Temperature
21 ID
Temperature
ID
JP14
DC+
DC-
S-2B-XH-A
C611 0.01uF/2KV
D42 BAV103_1119
D43 BAV103_1119
C454 10uF/35V
SU_BAT_OUT
R428 100K
Q40 FDN5618P
R531 1K
Q41 2N7002LT3
21 SUB_BAT_EN
R461 0_1206
R689 10K
8V
U37
LM317LM
VIN
VOUT1
VOUT2
VOUT3
VOUT4
NC1
NC2
ADJ
SUB_BAT
C296 33UF/16V
C295 0.1UF
R297 1K_1%
R302 6.34K_1%
D18 30BQ040
FOR BQ
Q17 FZT789A
L6 SIQ125-470
Q18 MMBT3904
R296 1K
D51 MBRD835L
10uF/35V Tant C294
D20 LL4148/SOD-80
C297 1NF
R298 20K
R299 300
R300 330
R301 750K_1%
CHGND
R784 0_NO_LOAD_0128
DCIN
10UF_0128
C674
R899 100K_0128
Q74 FDN5618P_0128
Q75 2N7002LT3_0128
21 BQ_CONT
1K_0128
R900
C689 1000PF_0128
R901 100K_0128
Q19 MMBT3904
D22 TZM5232B
+3.3VALWAYS
NEAR U38 #7 AS SHORT AS POSSIBLE
10uF/35V Tant C298
C299 0.1UF
R304 10K_1%_0108
R307 0
R306 100K
C300
R309 15K_1%_0108 0.1UF
R303 100K_1%
R305 100K
R308 42.2K_1%
7.4V
D52 BAV103_1119
HARRY_1119
SUB_BAT
D24 BAV103_1128
harry 1128
R310 200
JP17
SUB-BATTERY CONN
FOR WEBPAD
C591 10UF/16V
R741 1M
R665 10K
R666 10K
GND_BQ
FB65 0_0805_*****
FB63 0_0805_*****
SM_CLK 21
SM_DATA 21
BAT-
JP16
S10 B-PHDSS-B
C301 4.7PF
U38
BQ2000
SNS
VSS
LED
BAT
MOD
VCC
RC
TS
Q20 MMBT3904
C303 47NF
C302 0.1UF
R312 1.6K
C304 1nF
R312 R314 300 330
R313 68K_1%
R312 C304 Aas close as u38 pin 1
FB64 0_0805_*****
FB66 0_0805_*****
C641 0.1UF
C642 0.1UF
C643 0.1UF
BAT+
21 CHARGER_LED
R311 0.033_1%
1628GND
CHGND
EVAN_1128
R311 R495
Near L6 ASAP
10uF/35V Tant C305
IF USE THERM
R307=0
OTHERWISE
R307=20K
Imax=0.05/Rsns
near u38 pin 1 & pin 2 as short as possible
Imax<1A; R299,R313 are open
1A<Imax<2A; R299,R313=300R
2A<Imax<3A; R299,R313=91R
near u38 pin #4 as short as possible
harry 1128
Title
DC IN & CHARGER
Size C
Document Number TWN-5213
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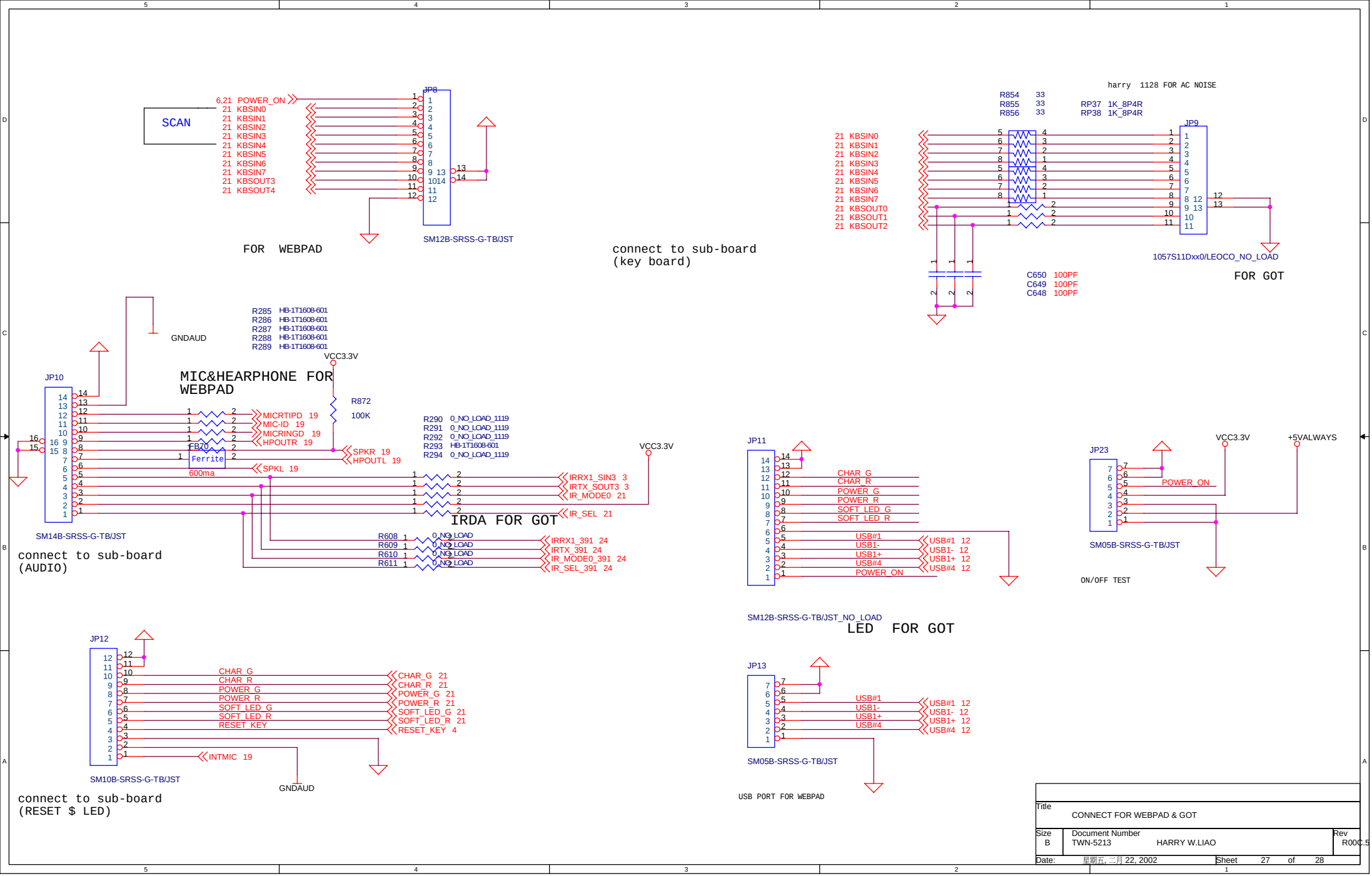
SCAN
6,21 POWER_ON
21 KBSIN0
21 KBSIN1
21 KBSIN2
21 KBSIN3
21 KBSIN4
21 KBSIN5
21 KBSIN6
21 KBSIN7
21 KBSOUT3
21 KBSOUT4
JP8
SM12B-SRSS-G-TB/JST
FOR WEBPAD
connect to sub-board
(key board)
harry 1128 FOR AC NOISE
R854 33
R855 33
R856 33
RP37 1K_8P4R
RP38 1K_8P4R
21 KBSIN0
21 KBSIN1
21 KBSIN2
21 KBSIN3
21 KBSIN4
21 KBSIN5
21 KBSIN6
21 KBSIN7
21 KBSOUT0
21 KBSOUT1
21 KBSOUT2
JP9
1057S11Dxx0/LEOCO_NO_LOAD
FOR GOT
C650 100PF
C649 100PF
C648 100PF
GNDAUD
R285 HB-1T1608-601
R286 HB-1T1608-601
R287 HB-1T1608-601
R288 HB-1T1608-601
R289 HB-1T1608-601
VCC3.3V
MIC&HEARPHONE FOR WEBPAD
JP10
R872
100K
MICRTIPD 19
MIC-ID 19
MICRINGD 19
HPOUTR 19
FB70
Ferrite
600ma
SPKR 19
HPOUTL 19
SPKL 19
R290 0_NO_LOAD_1119
R291 0_NO_LOAD_1119
R292 0_NO_LOAD_1119
R293 HB-1T1608-601
R294 0_NO_LOAD_1119
VCC3.3V
IRRX1_SIN3 3
IRTX_SOUT3 3
IR_MODE0 21
IR_SEL 21
IRDA FOR GOT
SM14B-SRSS-G-TB/JST
connect to sub-board
(AUDIO)
R608 0_NO_LOAD
R609 0_NO_LOAD
R610 0_NO_LOAD
R611 0_NO_LOAD
IRRX1_391 24
IRTX_391 24
IR_MODE0_391 24
IR_SEL_391 24
JP11
CHAR_G
CHAR_R
POWER_G
POWER_R
SOFT_LED_G
SOFT_LED_R
USB#1
USB1-
USB1+
USB#4
POWER_ON
USB#1 12
USB1- 12
USB1+ 12
USB#4 12
SM12B-SRSS-G-TB/JST_NO_LOAD
LED FOR GOT
JP23
VCC3.3V
+5VALWAYS
POWER_ON
SM05B-SRSS-G-TB/JST
ON/OFF TEST
JP12
CHAR_G
CHAR_R
POWER_G
POWER_R
SOFT_LED_G
SOFT_LED_R
RESET_KEY
CHAR_G 21
CHAR_R 21
POWER_G 21
POWER_R 21
SOFT_LED_G 21
SOFT_LED_R 21
RESET_KEY 4
INTMIC 19
SM10B-SRSS-G-TB/JST
GNDAUD
connect to sub-board
(RESET $ LED)
JP13
USB#1
USB1-
USB1+
USB#4
USB#1 12
USB1- 12
USB1+ 12
USB#4 12
SM05B-SRSS-G-TB/JST
USB PORT FOR WEBPAD
Title
CONNECT FOR WEBPAD & GOT
Size B
Document Number
TWN-5213
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----------R00C----------

PAGE 3: Add R684,R691(33_0603); R743 (0_0603)
PAGE 4: Modify R48(120k==>10k),C6,C7(12PF==>4PF)
PAGE 4: Add R668(2.2k_0603)
PAGE 5: Del R624,R626,R398,R400,R629(0_NL_0603)
PAGE 5: Modify R547(0_0603==>0_NL)
PAGE 5: Add C602(0.1uf_0603)
PAGE 6: Del R623(10k_NL_0603);R503(10k_0603)
PAGE 6: Del R653,R646(10k_0603);Q51(MMBT3906)
PAGE 6: Modify R645 (0_0603==>33_0603)
PAGE 7: Add R744,746 (0_0603);R406 (100K_0603)
PAGE 7: Add R779(0_NL_0603)
PAGE 7: Add R748(1M_NL_0603)
PAGE 7 AddR745(100k_0603);C601(10uf/35V_CC7343)
PAGE 7: Add Q64 2N7002 ,Q63 SI2305DS
PAGE 7: Change LCD connect 53780-2090/molex
PAGE 8: Modify U7,U8,U9 (SN74CBTD3861 ==>NL)
PAGE 8: Modify C562,C563,C564(100UF/16V==>NL)
PAGE 8: Modify C87,C88,C89(0.1UF==>NL);J4==>NL
PAGE 9: Modify C556(100UF/16V==>NL);C93(0.1UF==>NL)
PAGE 9: Modify R127,R128(10K==>NL)
PAGE 9: Modify D3,D4(LL4148==>NL);R131,R129(100K==>NL)
PAGE 9: Modify Q6,Q7(SI2305==>NL)
PAGE 9: Add R800 ,R801(0_0805)
PAGE 10 Add C604(0.1uf_0603);R707(0_NL);R708(10K_NL)
PAGE 10 Add Q58(MMBT3906_NL);R701(10K_0603);R702,R749(1M_0603)
PAGE 10 Add R706(0_1206)
PAGE 10 Modify R421(0.01_1%==>0.033_1%_1206)
PAGE 10 Del Q27(SI4965ADY);D44,D45 (LL4148);R533(100),R534(100K)
PAGE 10 Modify C458 (1000PF==>3300PF);C462(33PF==>220PF)
PAGE 10 Del D40(MBR0530);R550;R548(100K)
PAGE 12 Add R802,R803 (10_0603);
PAGE 14 Modify R194 (10K_0603==>NL);U51(74LVC04A==>74AHC14)
PAGE 14 Add R763(0_0603),R709(100K_1%_NL),C596(0.1UF_0603_NL)
PAGE 14 Add D48(LL4148_NL);R804(0_0603_NL);R768,R767(0_0603_NL)
PAGE 14 Modify R317(270==>150);
PAGE 14 Add R774(10K_0603),Q56(MMBT3904);R811,R812(4.99K_0603)
PAGE 14 Add R723(0_0603);C599,C600(0.1UF_0603)
PAGE 14 Del R193(10K_0603)
PAGE 15 Add R731,R732(0_0805);
PAGE 17 Modify R546(10K_0603==>NL)
PAGE 17 Add R713,R809,R762(0_0603)
PAGE 18 Add R785(0_NO_LOAD_0603)
PAGE 19 Add R753,754(10K_0603)
PAGE 19 Modify R520(10K_NO_LOAD==>10K)
PAGE 19 Del R630,C490,C491,R631,Q50
PAGE 20 Add R786(0_0603)
PAGE 21 Add R805,R806R807,R808(10K_0603)
PAGE 21 Add R787,R788,R789,R790,R791 (0_0603)
PAGE 21 Add U53(LM2903);R797,R796(20K_1%_0603)
PAGE 21 Add R793(200K_1%_0603);R794(36K_1%_0603)
PAGE 21 Add C608(0.1UF_0603);R795(10K_0603)
PAGE 25 Add R755,R756,R758(0_NO_LOAD_0603)
PAGE 25 Add R757,R759,R760(0_0603)
PAGE 25 Modify FB49==>VIA-RPAD
PAGE 26 Modify D49,D50,D51(MBRS340T3==>MBRD835L)
PAGE 26 Modify F1(RLD30P250U==>3216FF_4A)
PAGE 26 DEL D21(LL4148);ADD R784(0_0603);D23(MBRD835L)
PAGE 26 ADD R689(10K_0603);R810(47K_0603)
PAGE 26 DEL C454(100UF/16V_7343)

----------R00D----------1011

PAGE 4 Add c612 22PF_0603_NO_LOAD FOR EMI
PAGE 6 CR1 HSMG-C170==>NO_LOAD,R80 270==>NO_LOAD
PAGE 8 Modify R112 470_0805==>NO_LOAD
PAGE 10 Add R814,R816 47K_0603;R815,R817 0_0603;C620,C619 0.1UF_0603;Modify R421 0.033=>0.01_1%_1206;ADD C609 100UF/16V_LESR
PAGE 10 Modify C405 0.01UF==>0.1UF_0603;R707 0_NO_LOAD==>0_0603;R708 10K_NO_LOAD==>10K_0603;
PAGE 10 Modify Q58MMBT3906_NO_LOAD==>MMBT3906;C442 0.1UF==>1000PF_0603;C447 560PF==>0.1UF_0603
PAGE 10 Modify R512 10uf/16v_3528==>47uf/6.3v_LESR_3528
PAGE 10 Add C621,C622 47UF/16V_LESR CC6032;Modify C452, 10UF/16V_LESR==>100UF/16V_LESR CC7043
PAGE 11 DEL R444,R446,R447,R450 0.05_1%_1206;Del C130,C552C553,C554,C555 100UF/16V CC7343
PAGE 11 Modify R443,R445,R449,R448 0.05_1%_1206==>0_1206
PAGE 12 Modify RP31 27==>10_8P4R
PAGE 13 D10,D11,D12 BAV99==>NO_LOAD;FB16,FB17,FB18 HB-1T2012-121==>NO_LOAD;J5 MMT-106-02-S-H==>NO_LOAD
PAGE 13 C157,C158,C159,C160,C161,C162 33PF_0603==>NO_LOAD;R185,R186 33_0603==>NO_LOAD
PAGE 13 Q13,Q14 2N7002==>NO_LOAD;C155,C156 100PF_0603==>NO_LOAD;R187,R188,R189 75_0603==>NO_LOAD
PAGE 14 Add R813,R825 10K_0603_NO_LOAD
PAGE 16 Modify C188,C195 10UF/16V_CC3528==>NO_LOAD;C189,C190,C191,C192,C196,C197,C198,C199 0.1UF_0602==>NO_LOAD,
PAGE 16 Modify C193,C200 0.01UF_0603==>NO_LOAD;C194,C201 1NF_0603==>NO_LOAD
PAGE 19 Add R818 0_0603_NO_LOAD ,R819 0_0603
PAGE 19 Modify R520 10K_0603==>NO_LAOD,R411 10K_0603==>100;
PAGE 20 ADD C610 0.47UF_0603 ;
PAGE 23 Add R820 10K_0603 ,R821 10K_0603_NO_LOAD
PAGE 23 ADD C613 10PF_0603;C614,C615,C616,C617==>10PF_0603
PAGE 23 Add R822,R823,R824 10K_0603_NO_LOAD;C623,C624,C625 10PF_0603_NO_LOAD
PAGE 23 Add FB59 300Ma@100MHz HB-1T2012-601
PAGE 26 ADD D18 30BQ040;C454 10UF/35V_7343;D52 LL4148;
PAGE 26 DEL R810 47K_0603
PAGE 26 Modify T1 CTX0_47_2P==>FL2 NFM46P11C155

Title: UPDATE NOTE		
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