

- 2 SOCKET370
- 3 GTL+ TERMINATORS
- 4 CLOCK GENERATOR
- 5 GMCH
- 6 DIMM1
- 7 DIMM2
- 8 DISPLAY CACHE
- 9 TV OUT
- 10 RGB CONN
- 11 ICH
- 12 PCIO (AD24,PIRQ#ABCD,REQ#0)
PC11 (AD25,PIRQ#BCDA,REQ#1)
PC12 (AD26,PIRQ#CDAB,REQ#2)
- 13 FWB + PULLUP
- 14 IDE 1/2
- 15 LPC SUPER I/O
- 16 SIO/PIO/USB
- 17 AUDIO CODEC
- 18 EEPROM CUSTOM INFO
- 19 D2D
- 20 POWER/BUTTON CONN
- 21 CAPACITOR
- 22 HARDWARE MONITOR & FAN CNTL
- 23 USB HUB
- 24 1394

D2D
HIP6019B
&
S3 SC1541PS_3.3
P19

CPU
SOCKET 370
P2

| REV | DESCRIPTION OF CHANGE | ECO | DATE | APPROVAL |
|-----|-----------------------|-----|------|----------|
| | | | | |

VEDIO CACHE
RAM 1M X 2
P6

INTEL 82810E
GRAPH & MEMORY
CONTL HUB (GMCH)
P5

DRAM DIMM
SDRAM CONN X 2
P6 & P7

TV OUT
CH 7007A
P9

VEDIO PORT
VGA CONN
P10

USB BD
USB CONN

USB HEADER
P23

IDE CONN X 2
P14

USB CONN X 2
P16

USB HUB
TUSB 2046B
P23

FIRMWARE HUB
P13

USB HEADER X 2
P23

INTEL 82801AA
I/O CONTROLLER
HUB (ICH)
P11

ID FLASH
AT24C164
P18

PCI SLOT X 1
P12

W83783S
CPU FAN CONN
POWER FAN CONN
P22

AUDIO CODEC
AD 1886
P17

LPC SUPER I/O
LPC 47M102
P15

REMOTE COTL
BOARD

SERIAL PORT
HEADER X 2
P15

PARALLEL PORT
HEADER
P16

VFD CIRCIUT
DISPLAY

CLK GENERALATOR
ICS9250-26
P4

SPDIF
LINE-IN LINE OUT
P17

1394
UPD 72872
P24

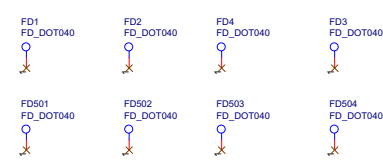
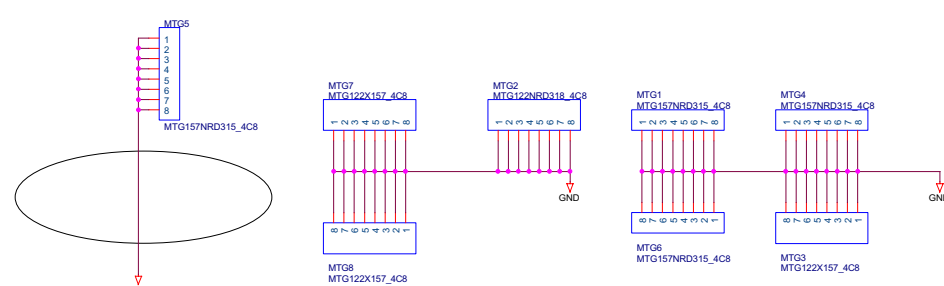
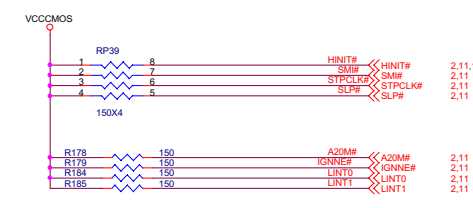
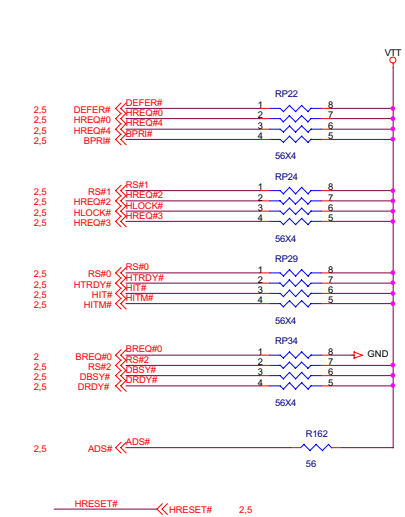
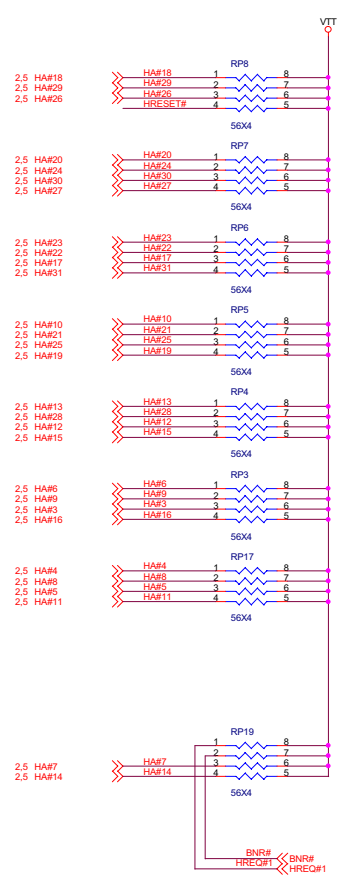
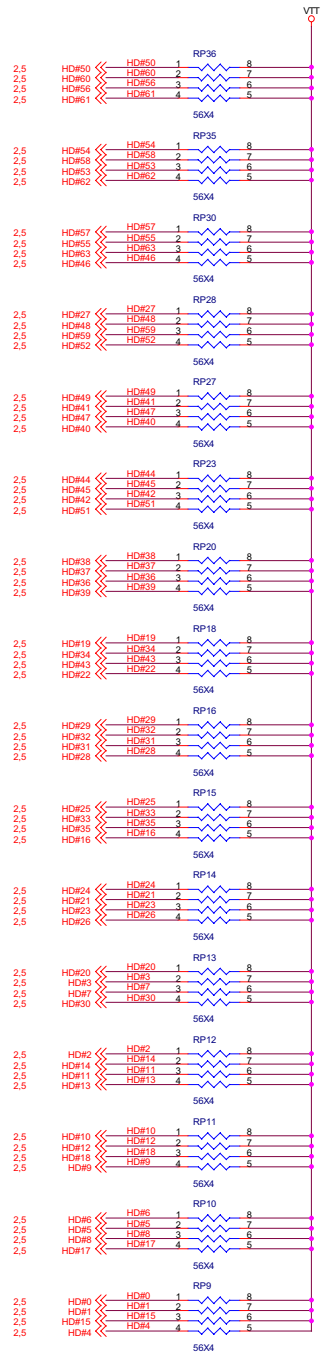
1394 CONN
1394 HEADER
P24


| DRAWN | DESIGN | CHECK | ISSUED |
|-------|--------|-------|--------|
| | | | |

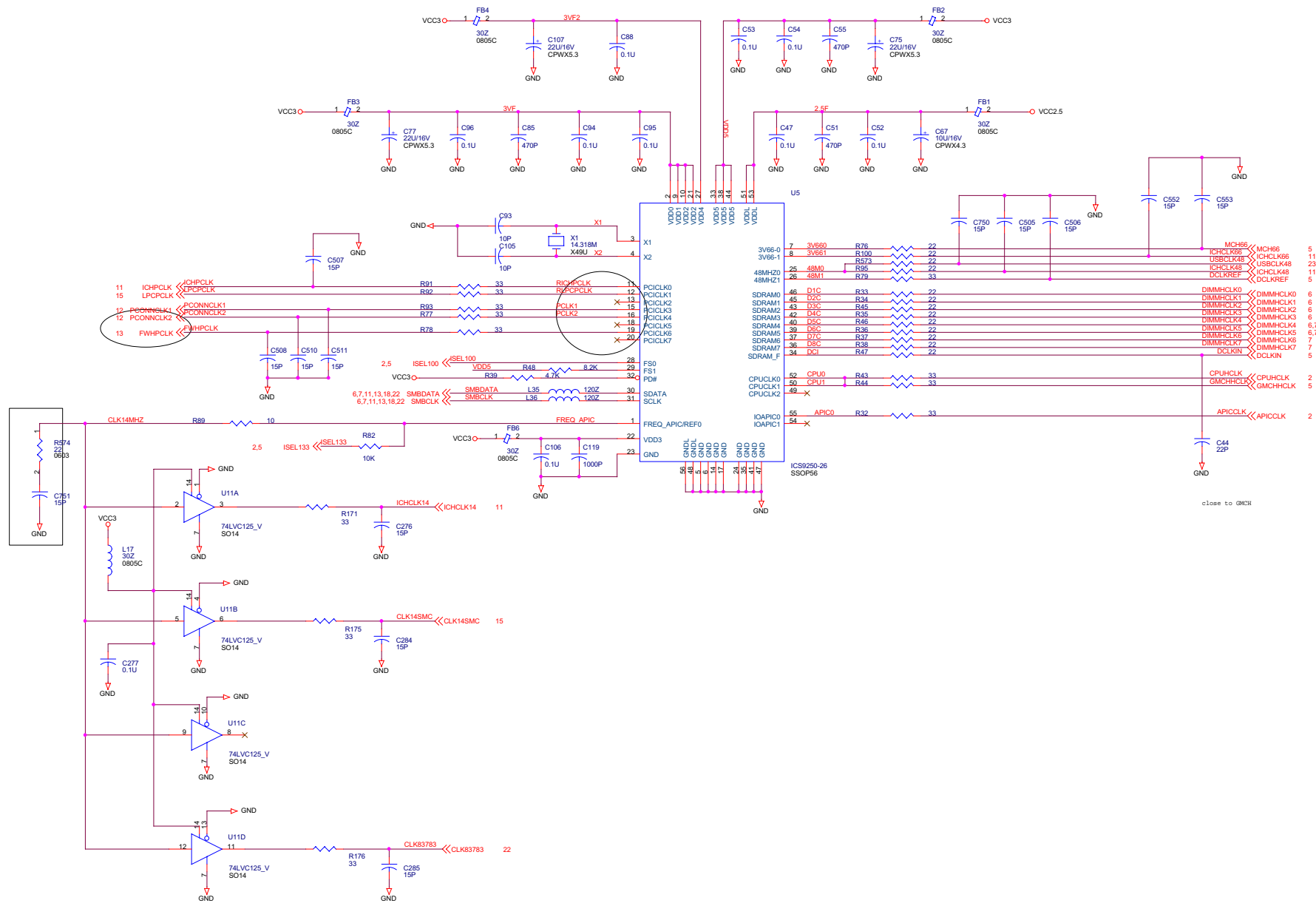
PCB 31670820001
PCB:PWA-BK6742/MAIN BD




| | |
|---|-----------|
| Project Title PCB:PWA-BK6742/MAIN BD | |
| Pag Title SUMMARY | |
| Document Number 411708200001 | Rev 01 |
| Date: Monday, April 16, 2001 | |
| Sheet 1 of 24 | |



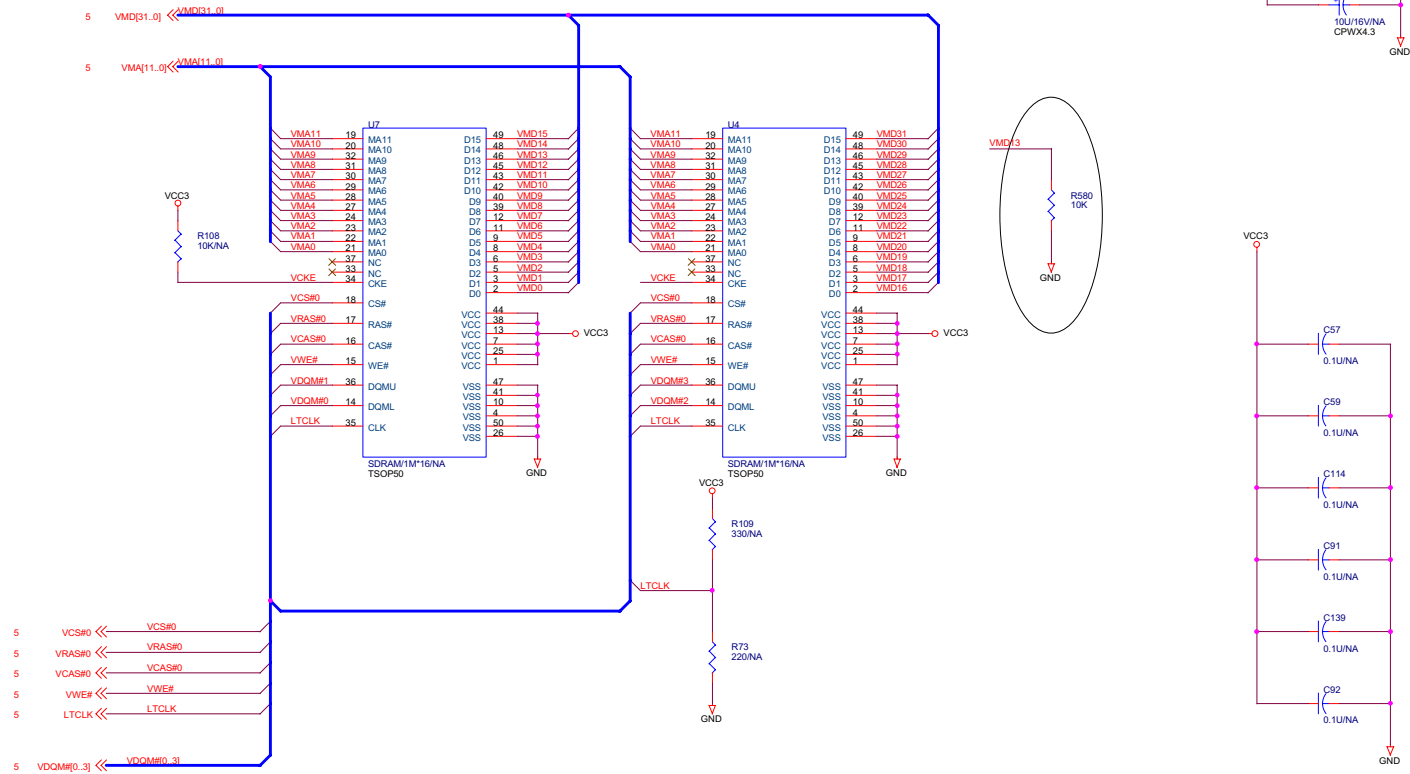

 Project Title
PCB:PWA-BK6742/MAIN BD
 Pag Title
CPU PULL
 Document Number
411708200001
 Date: Monday, April 16, 2001
 Rev 01
 Sheet 3 of 24

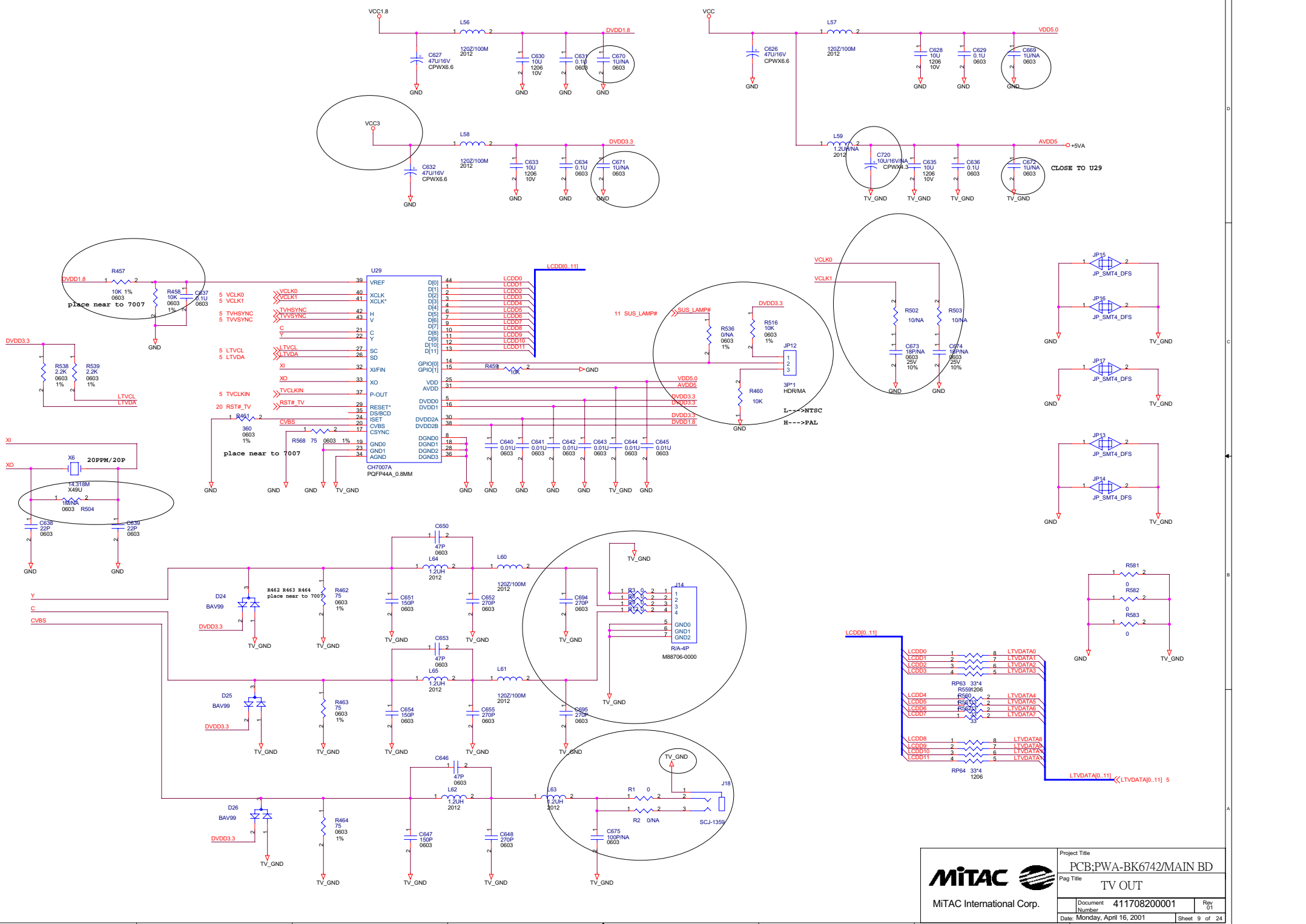


close to GMCH

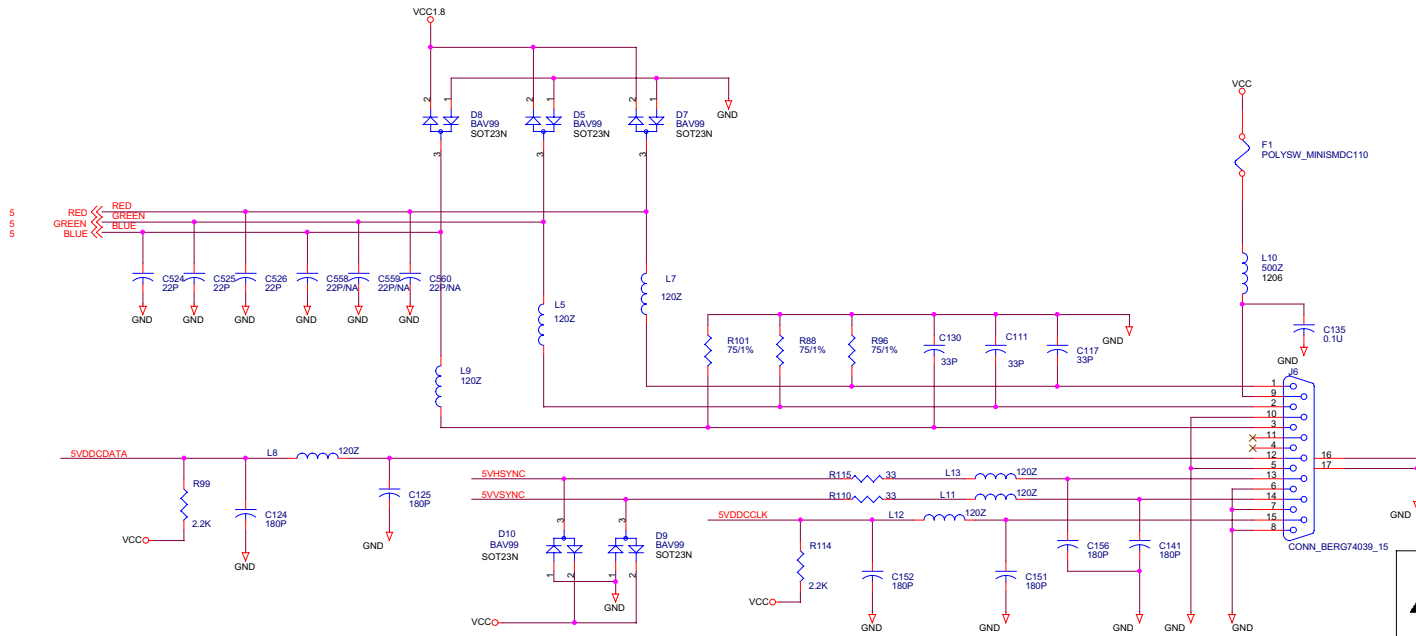
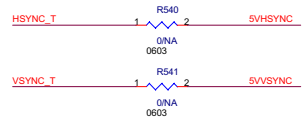
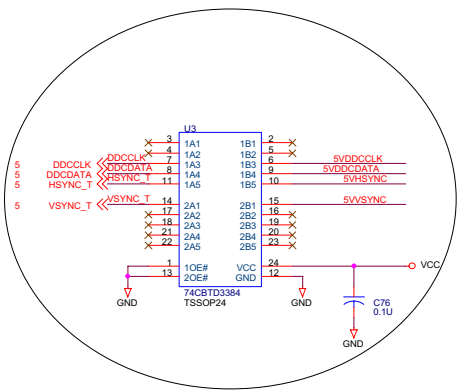
| | |
|--|--|
|  MITAC International Corp. | Project Title PCB:PWA-BK6742/MAIN BD |
| | Page Title CLOCK GENERATE |
| Document Number 411708200001 | Rev 01 |
| Date: Monday, April 16, 2001 | Sheet 4 of 24 |


ALL COMPONENT ON THIS PAGE ARE N/A





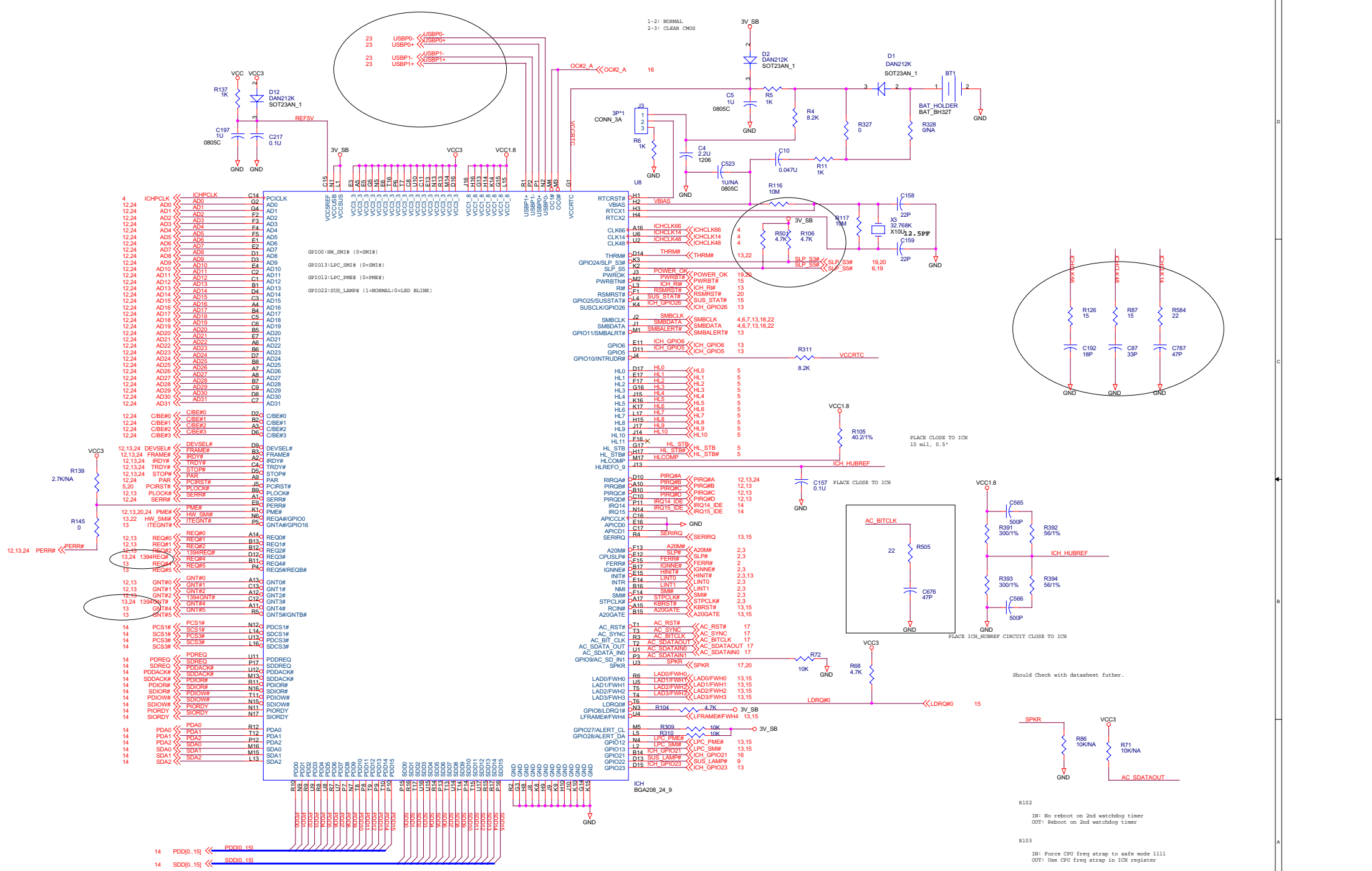
| | |
|--|--|
| MITAC International Corp. | Project Title PCB:PWA-BK6742/MAIN BD |
| | Page Title TV OUT |
| Document Number 411708200001 | Rev 01 |
| Date: Monday, April 16, 2001 | Sheet 9 of 24 |



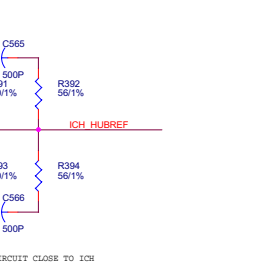
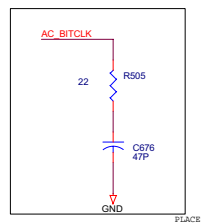
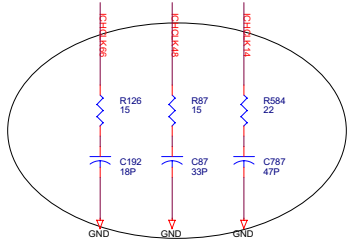
MiTAC 

MiTAC International Corp.

| | | |
|-----------------|------------------------|----------------|
| Project Title | PCB:PWA-BK6742/MAIN BD | |
| Page Title | RGB CONN | |
| Document Number | 411708200001 | Rev 01 |
| Date: | Monday, April 16, 2001 | Sheet 10 of 24 |



1-2: NORMAL
2-3: CLEAR CMOS

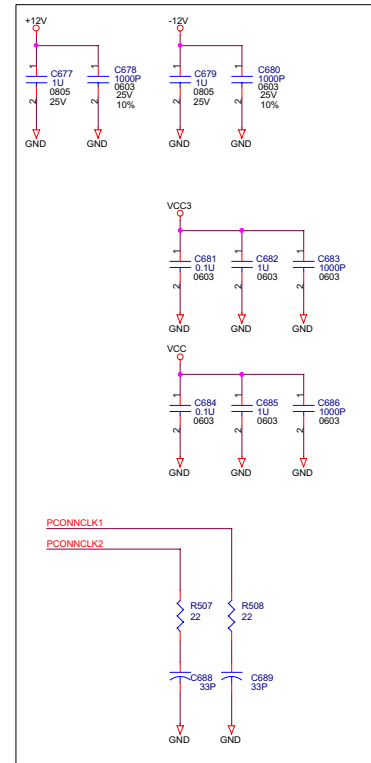
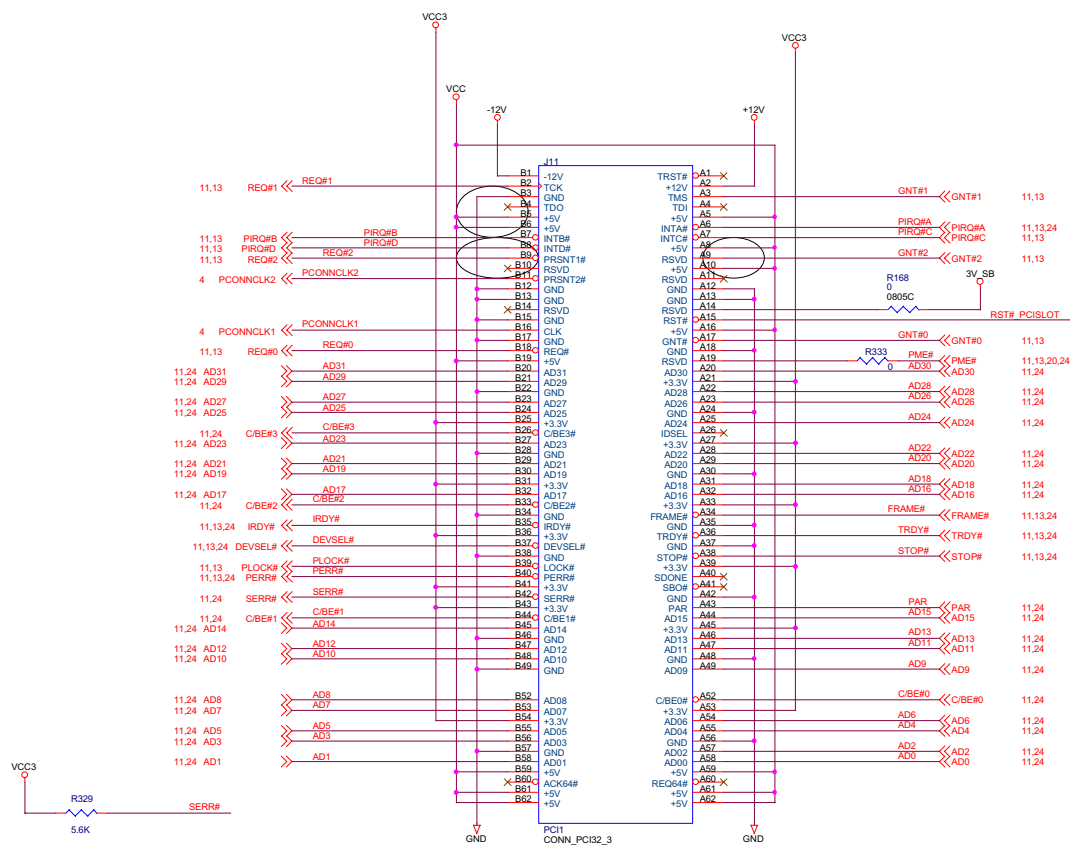


Should check with datasheet further.

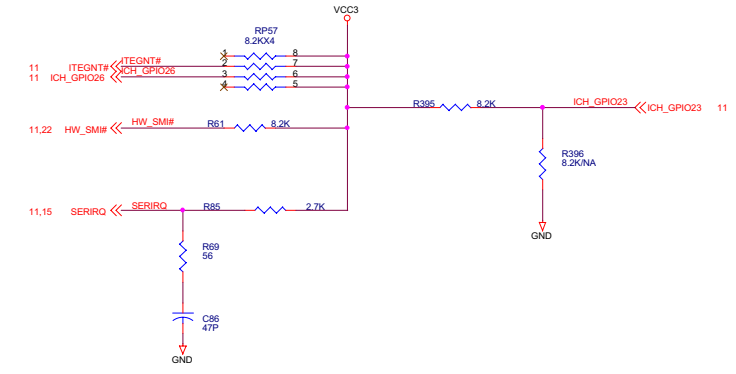
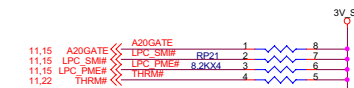
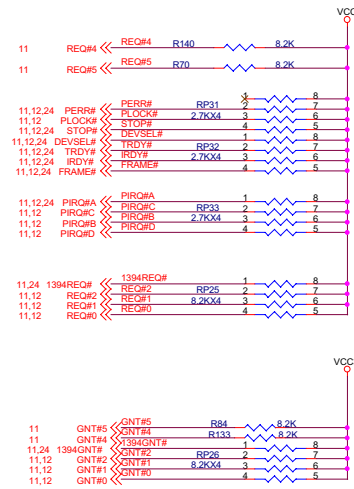
R102
IN: No reboot on 2nd watchdog timer
OUT: Reboot on 2nd watchdog timer

R103
IN: Force CPU freq strap to safe mode 1111
OUT: Use CPU freq strap in ICH register

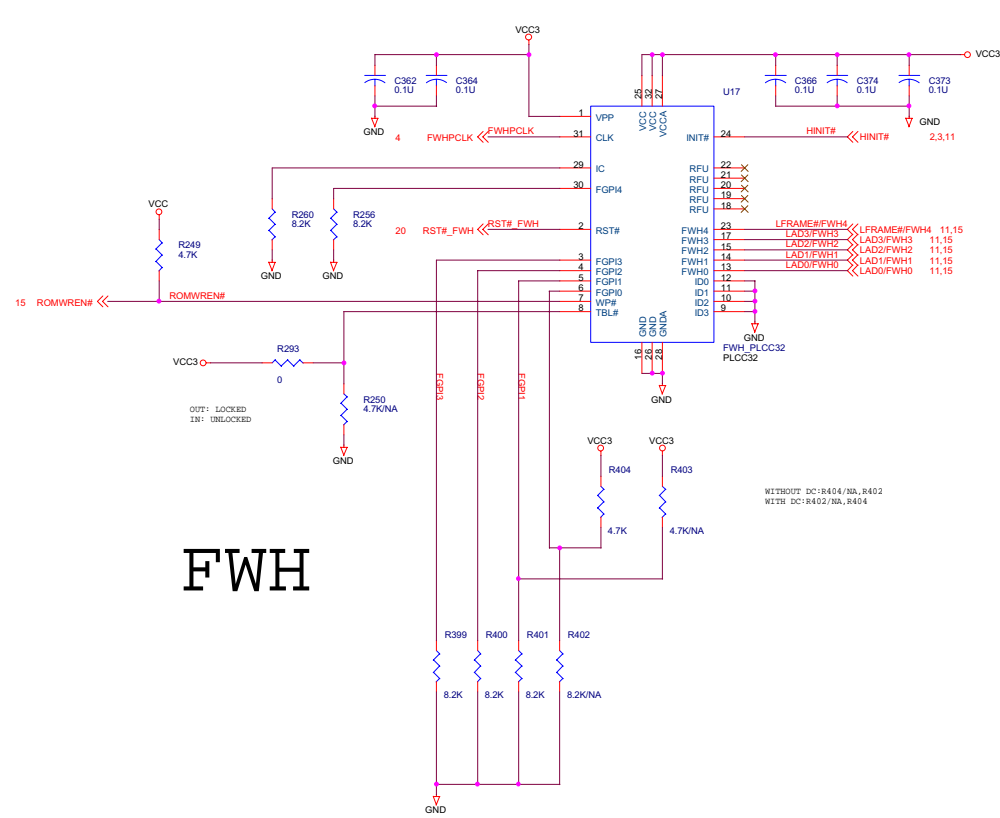
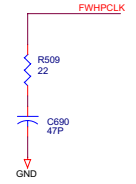
| | |
|--|--|
| MITAC International Corp. | Project Title PCB:PWA-BK6742/MAIN BD |
| | Page Title ICH |
| Document Number 411708200001 | Rev 01 |
| Date: Monday, April 16, 2001 | Sheet 11 of 24 |



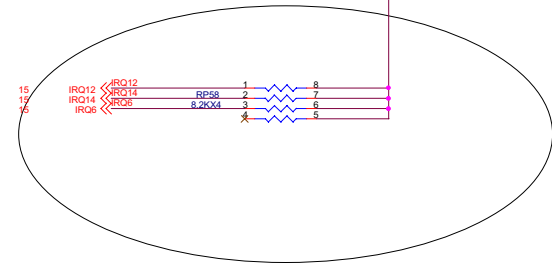
PCI BUS

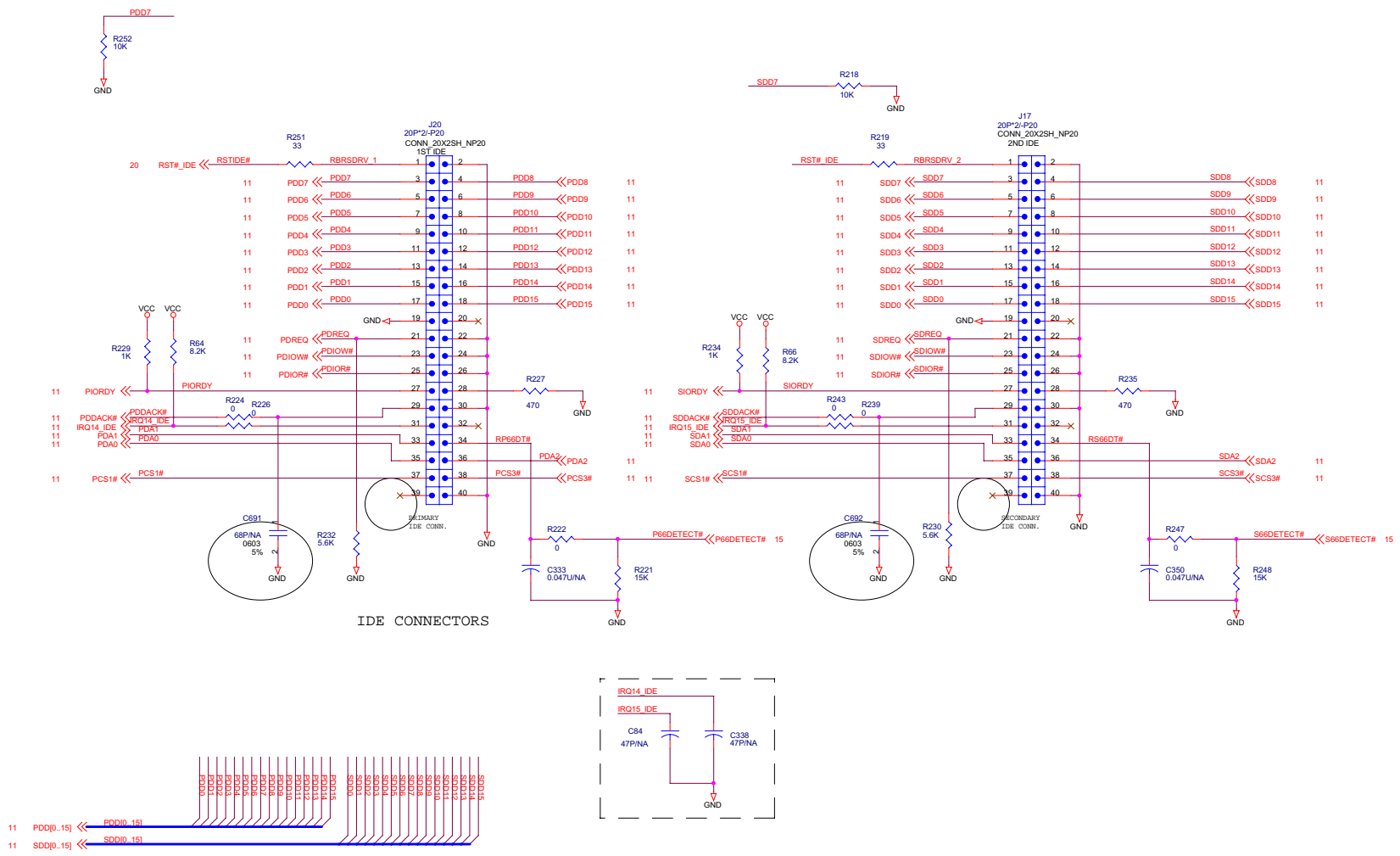


IOI

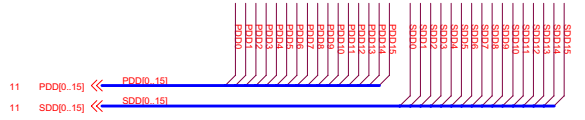
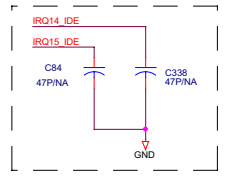


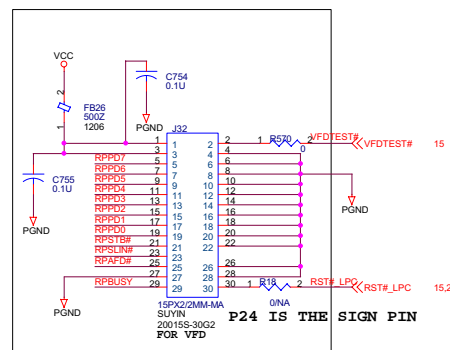
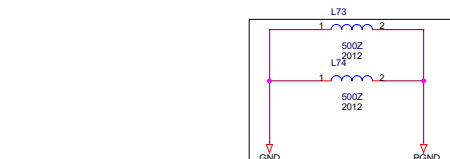
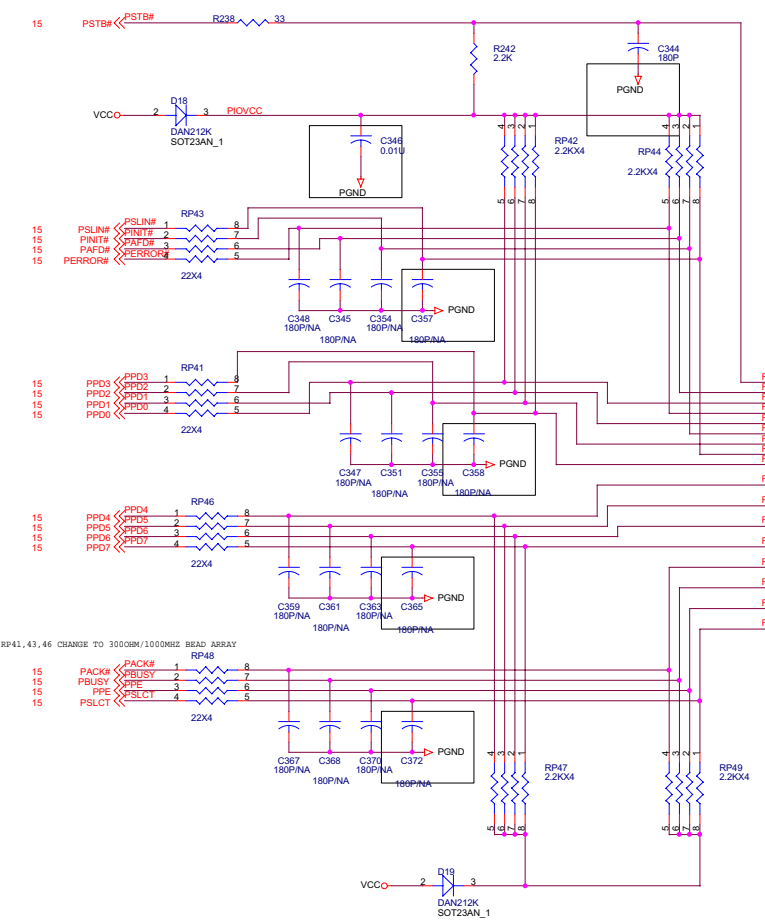
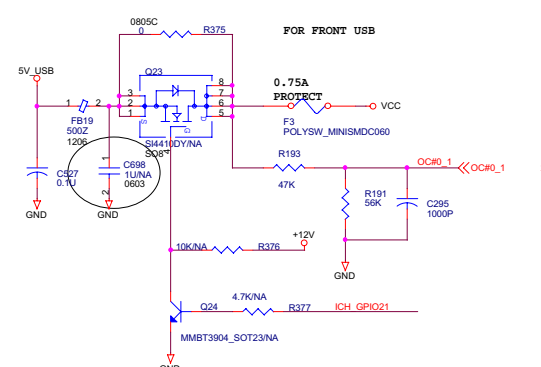
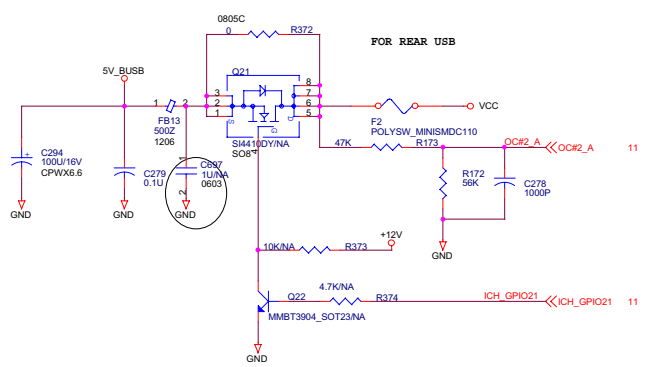
FWH





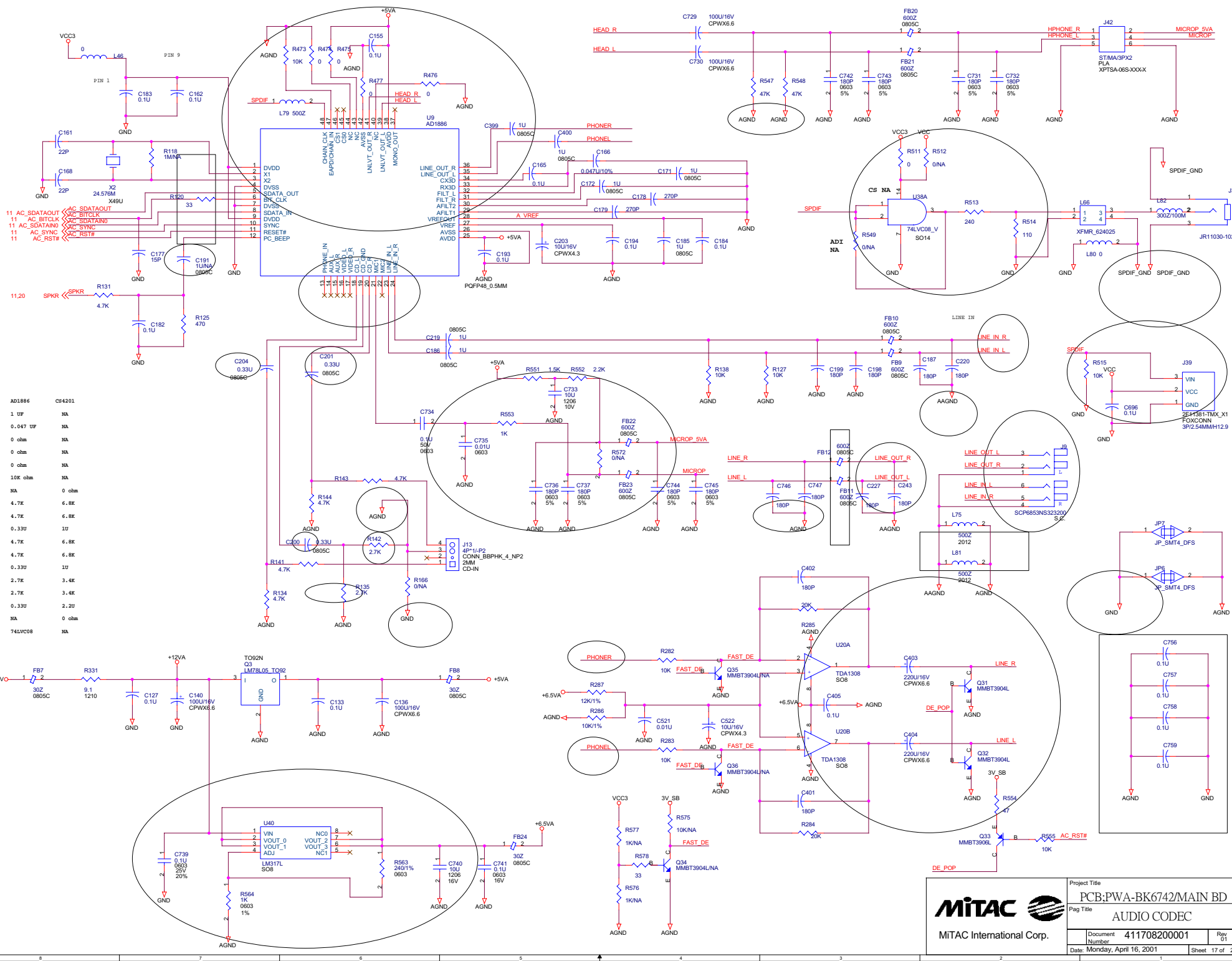
IDE CONNECTORS






RPERR#
RPINIT#
RPACK#
RFBUSY
RPFPE
RPSLCT

ARE SINGAL PIN



| | | |
|--------|-------------|-------------|
| 11 | AC_SDATAOUT | AC_SDATAOUT |
| 11 | AC_BITCLK | AC_BITCLK |
| 11 | AC_SDATAIN0 | AC_SDATAIN0 |
| 11 | AC_SYNC | AC_SYNC |
| 11 | AC_RST# | AC_RST# |
| AD1886 | CS4201 | |
| C172 | 1 uF | NA |
| C166 | 0.047 uF | NA |
| R476 | 0 ohm | NA |
| R475 | 0 ohm | NA |
| R474 | 0 ohm | NA |
| R473 | 10K ohm | NA |
| R477 | NA | 0 ohm |
| R143 | 4.7K | 6.8K |
| R144 | 4.7K | 6.8K |
| C201 | 0.33u | 1u |
| R141 | 4.7K | 6.8K |
| R134 | 4.7K | 6.8K |
| C204 | 0.33u | 1u |
| R142 | 2.7K | 3.4K |
| R135 | 2.7K | 3.4K |
| C200 | 0.33u | 2.2u |
| E549 | NA | 0 ohm |
| U38 | 74LVC08 | NA |



Project Title
PCB:PWA-BK6742/MAIN BD

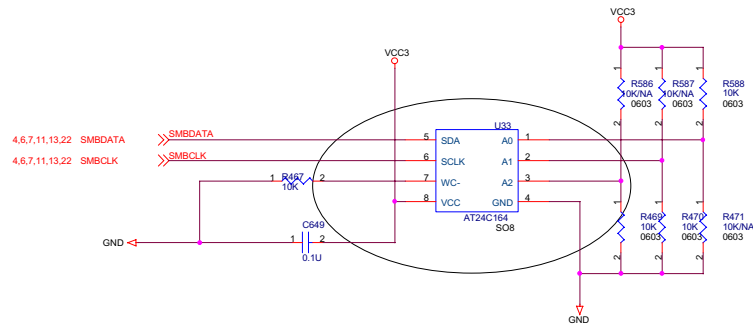
Page Title
AUDIO CODEC

Document Number
411708200001

Date: Monday, April 16, 2001

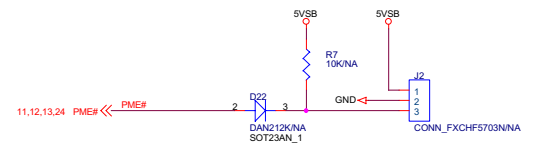
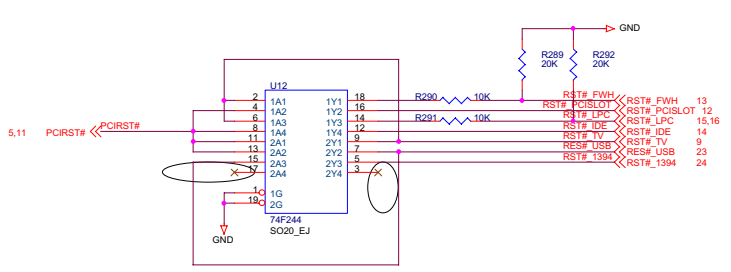
Rev
01

Sheet
17 of 24

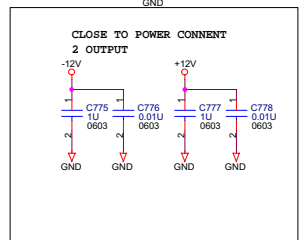
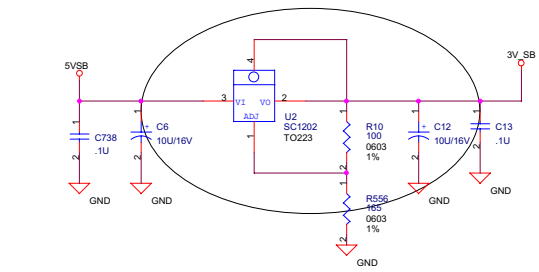
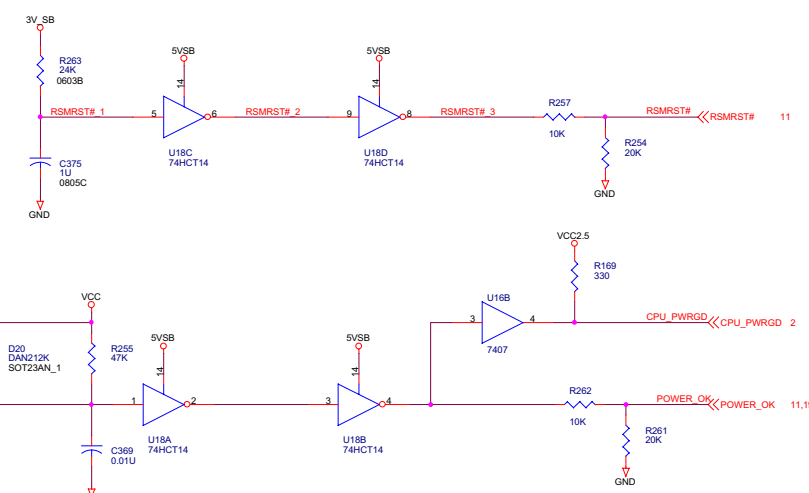
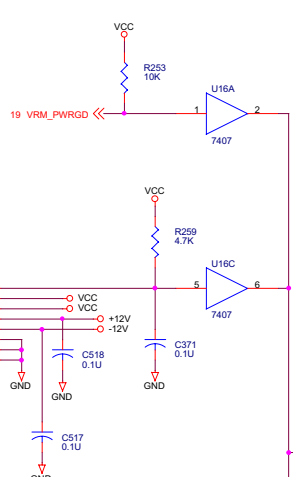
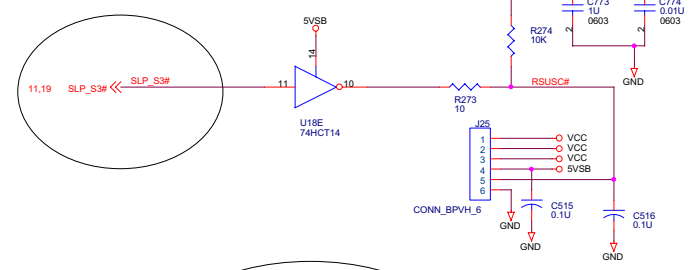
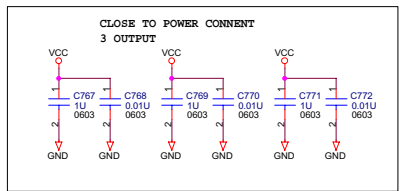
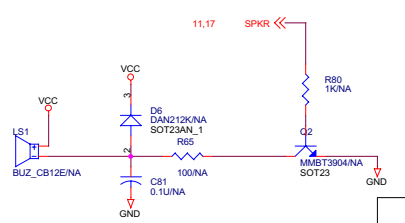


FLASH FOR USER INFO

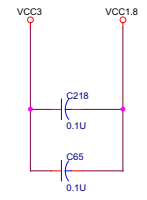
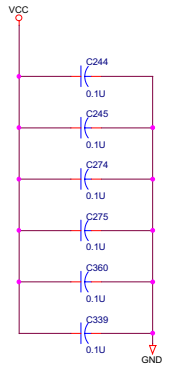
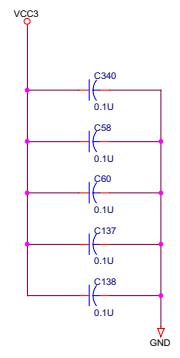
ID=8X



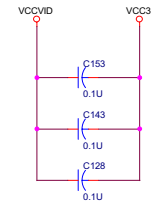
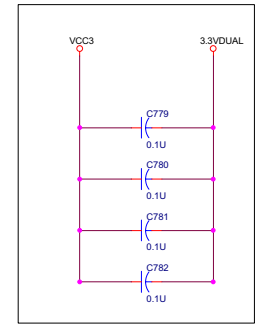
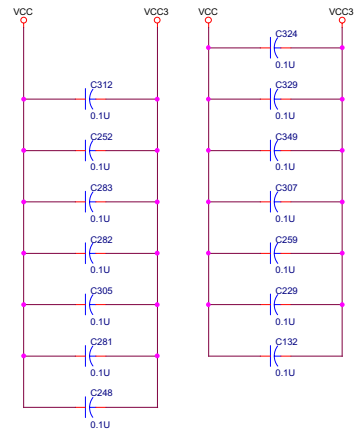
MITAC BIOS USE R104, R192, Q9, R264, R269
 COMPAQ BIOS USE R284, R381, Q25, R385, R382, R386, C564
 CHECK PAGE 15, 22



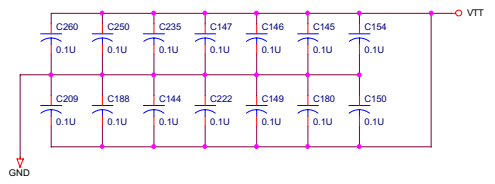
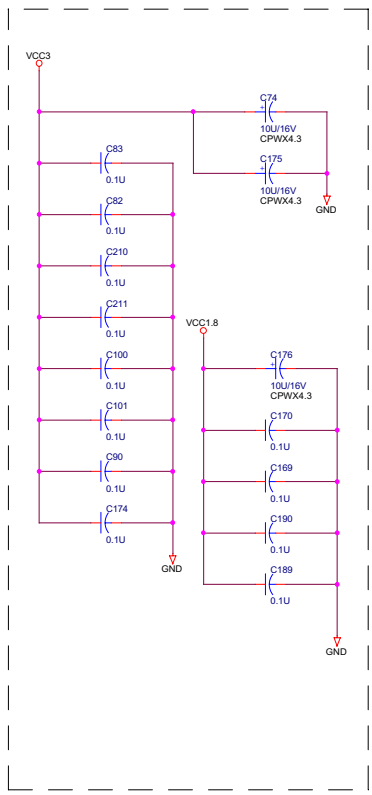
| | | |
|-----------------|------------------------|------------------------|
| | Project Title | PCB:PWA-BK6742/MAIN BD |
| | Page Title | POWER SYSTEM |
| Document Number | 411708200001 | Rev 01 |
| Date: | Monday, April 16, 2001 | Sheet 20 of 24 |



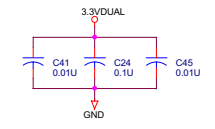
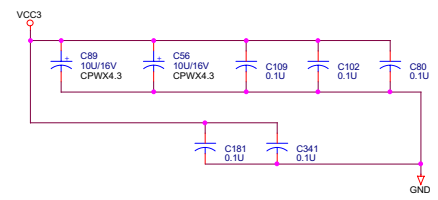
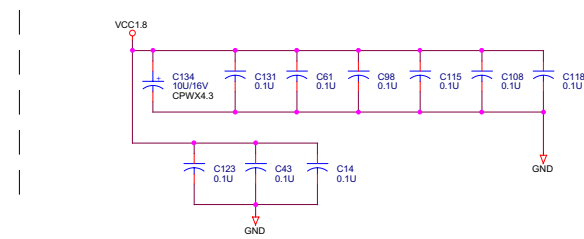
EMI CAPACTORS



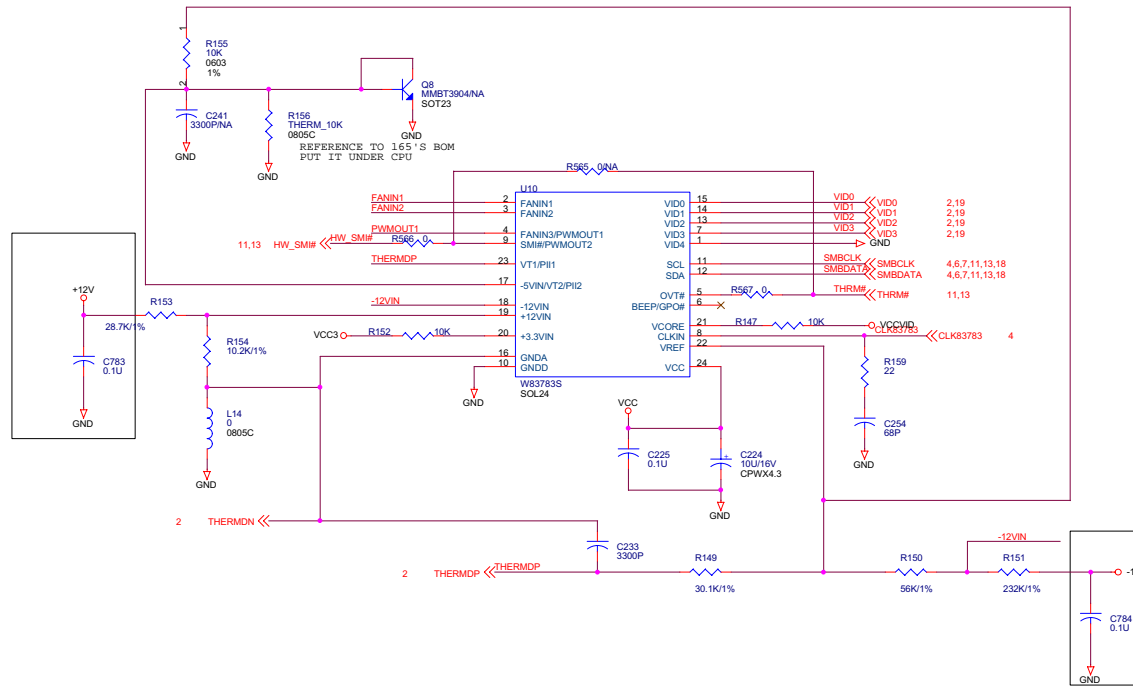
ICH-U8



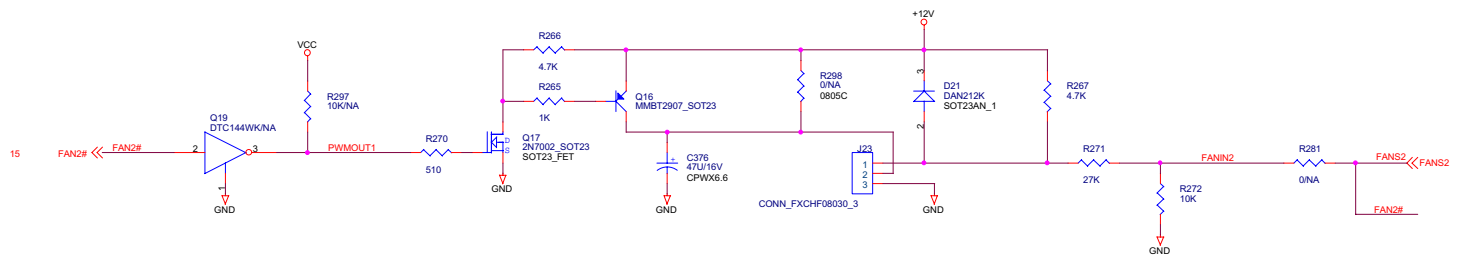
GMCH-U6



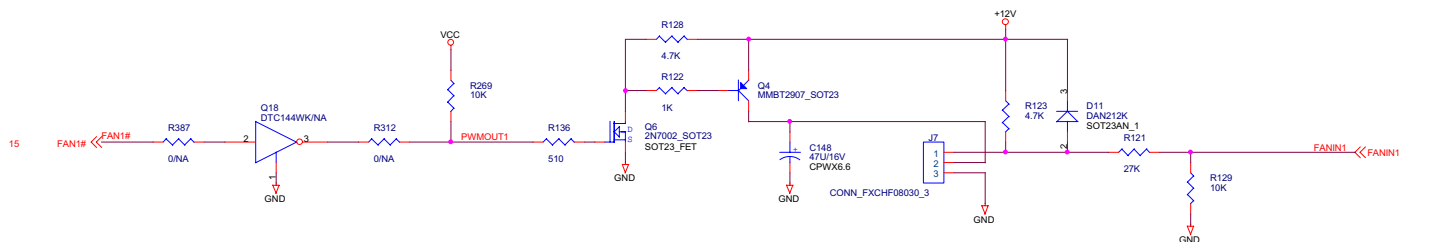
| | | |
|----------------------------------|------------------------|------------------------|
| <p>MiTAC International Corp.</p> | Project Title | PCB:PWA-BK6742/MAIN BD |
| | Page Title | CAPACTERS |
| Document Number | 411708200001 | Rev 01 |
| Date: | Monday, April 16, 2001 | Sheet 21 of 24 |



POWER FAN

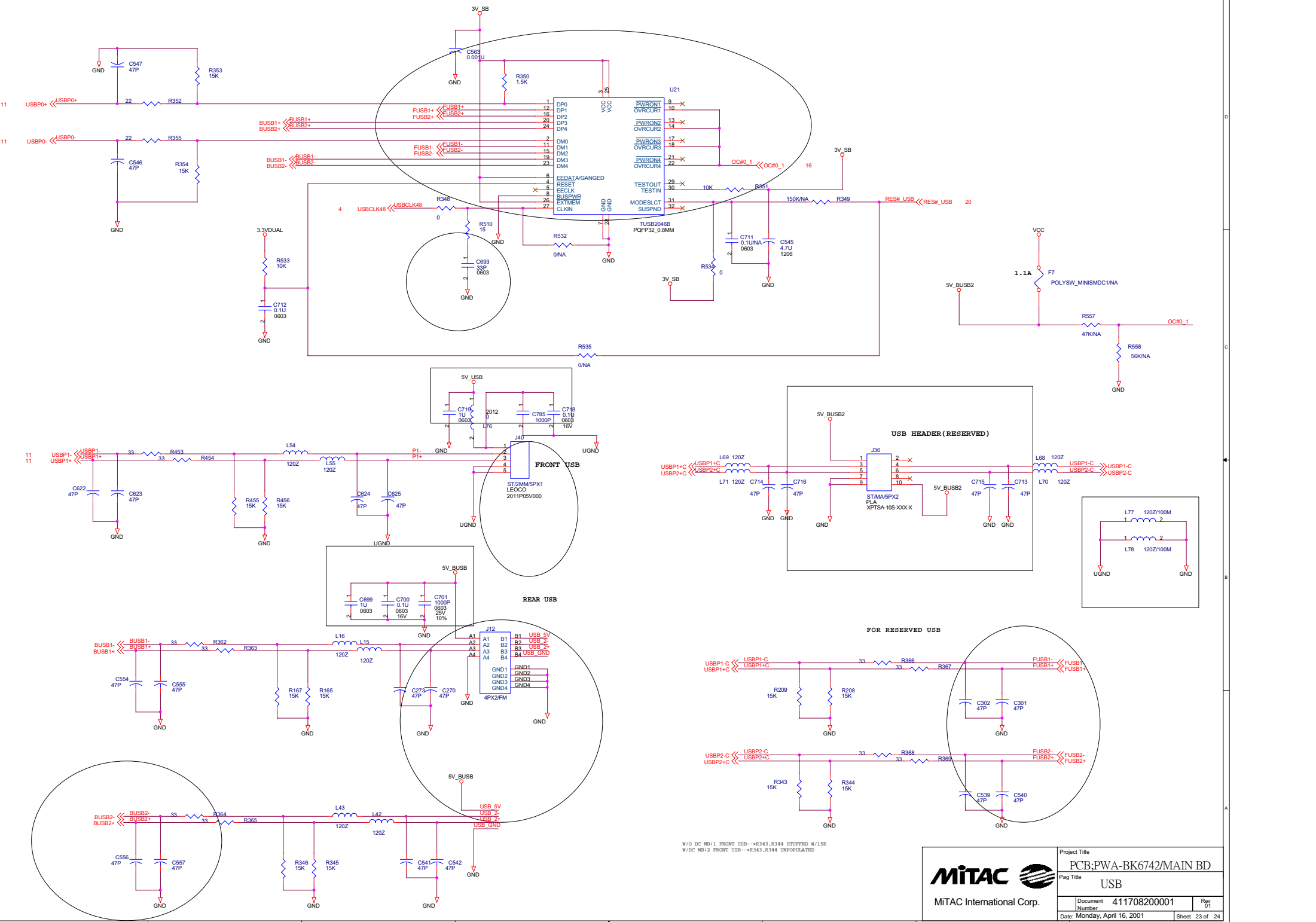


CPU FAN



MITAC B108 USE R281,R387
CHECK PAGE 15,20

| | | | |
|----------------------------------|-----------------|------------------------|--------|
| <p>MiTAC International Corp.</p> | Project Title | PCB:PWA-BK6742/MAIN BD | |
| | Page Title | FAN | |
| | Document Number | 411708200001 | Rev 01 |
| | Date: | Monday, April 16, 2001 | Sheet |



W/O DC MB:1 FRONT USB-->R343,R344 STUFFED W/15K
 W/DC MB:2 FRONT USB-->R343,R344 UNPOPULATED

| | | |
|-------------------------------|------------------------|------------------------|
| MITAC International Corp. | Project Title | PCB:PWA-BK6742/MAIN BD |
| | Page Title | USB |
| Document Number | 411708200001 | Rev 01 |
| Date: | Monday, April 16, 2001 | Sheet 23 of 24 |

NOTE: PC0,1,2 Use pull-up/down resistor based on the application

