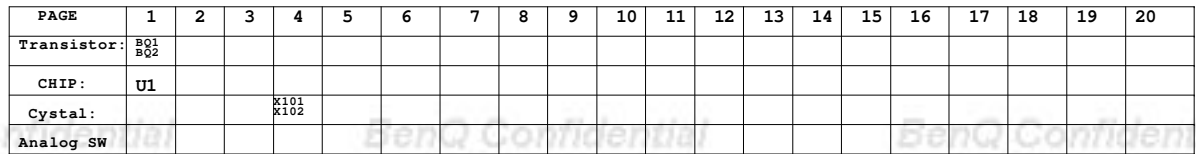


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Project Code 99.G7225.001		Model Name 57P50		OEM/ODM Model Name Kaiser	
Title 01_Home					
Size A4	PCB P/N 48.G7201.S06	PCB Rev. V6	Document Number 99.G7225.000- C3-304- 001	Rev. 0	
Date: Tuesday, October 26, 2004			Sheet 1 of 24		
Prepared By Bofu Wu		Reviewed By Frank Kuo		Approved By Fuji Yang	



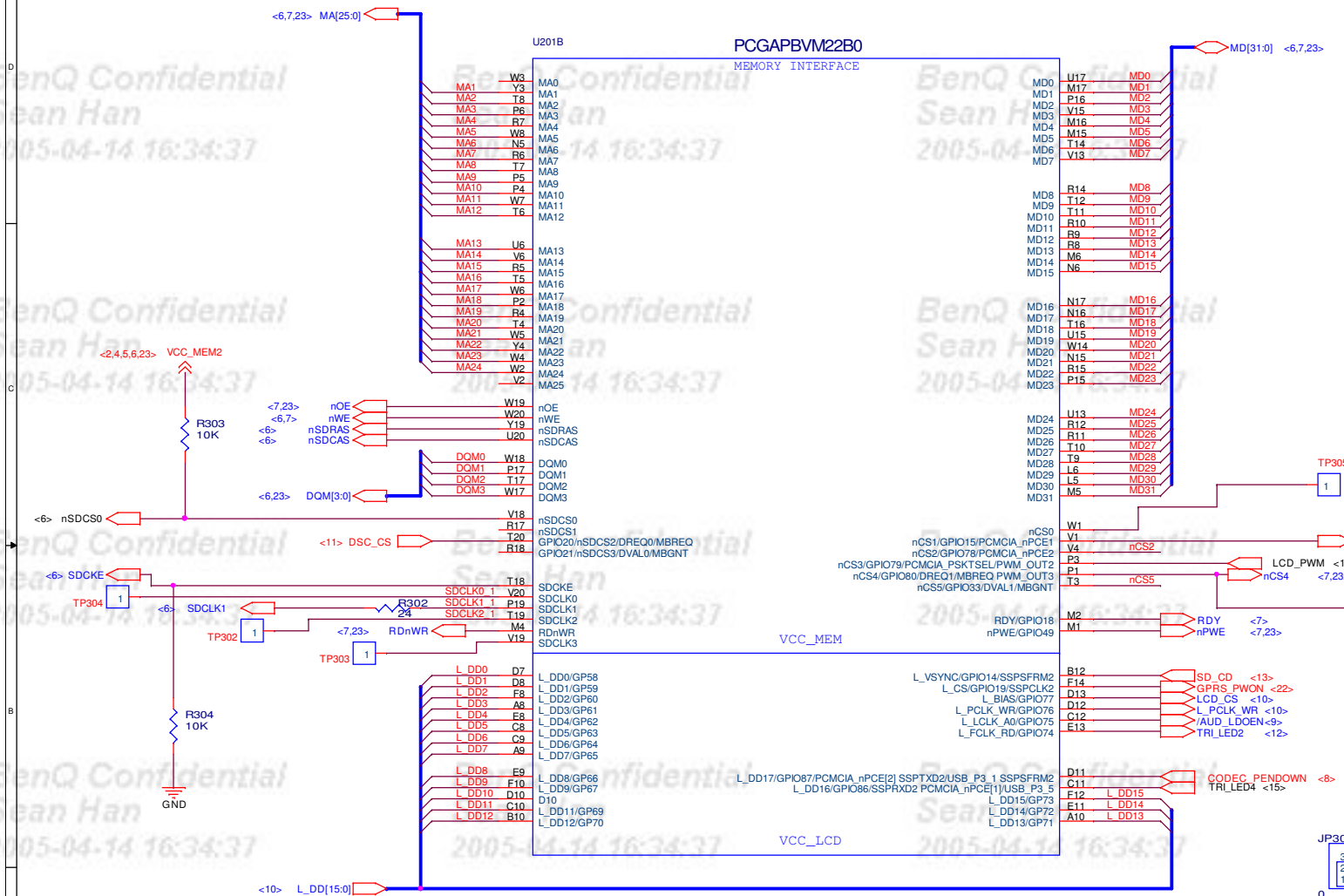
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Project Code 99.G7225.001		Model Name 57P50		OEM/ODM Model Name Kaiser
Title 02_Bulverde_1				
Size A4	PCB P/N 48.G7201.506	PCB Rev. V6	Document Number 99.G7225.000- C3-304_001	Rev. 0
Date: Tuesday, October 26, 2004		Sheet 2 of 24		
Prepared By Bofu Wu		Reviewed By Frank Kuo		Approved By Fujl Yang

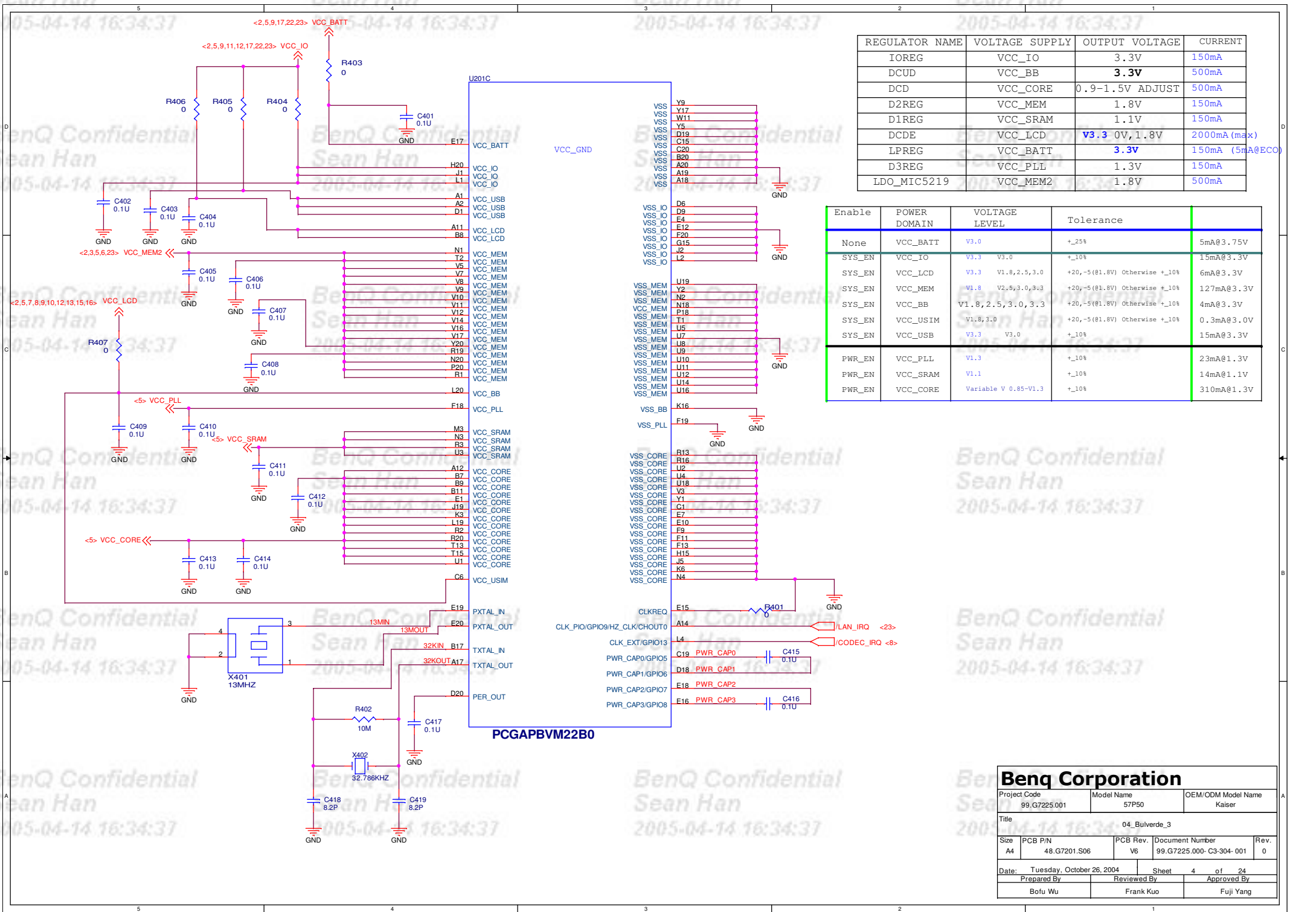
CHIP:	U1
Transistor:	U2

Table 1

GPIO No	Function Description
GPIO 0	PMIC_IRQ
GPIO 1	/GPIO_RST
GPIO 9	/WLAN_IRQ
GPIO 11	/GPRS_IRQ
GPIO 13	/AUDIO_IRQ
GPIO 14	SD_CD
GPIO 16	LED_PWM
GPIO 19	GPRS_PWON
GPIO 20	TRI_LED1
GPIO 21	TRI_LED2
GPIO 33	PMIC_IRQ
GPIO 38	FLASH_EN (PWM)
GPIO 48	SD_WP
GPIO 50	GPRS_INT
GPIO 51	EL_EN
GPIO 52	GPRS_DL_SW
GPIO 53	WLAN_PWREN
GPIO 54	VB_EN
GPIO 55	LCD_EN
GPIO 56	nCAM_POWER
GPIO 57	DSC_RST
GPIO 85	IR_TXD_RC
GPIO 119	IR_STDN
GPIO 120	SM_IO (SMART BATTERY)

Benq Corporation				
Project Code 99.G7225.001		Model Name 57P50	OEM/ODM Model Name Kaiser	
Title 03_Bulverde_2				
Size A4	PCB P/N 48.G7201.S06	PCB Rev. V6	Document Number 99.G7225.000-C3-304-001	Rev 0
Date: Tuesday, October 26, 2004		Sheet 3	of 24	
Prepared By Bofu Wu		Reviewed By Frank Kuo		Approved By Fuji Yang

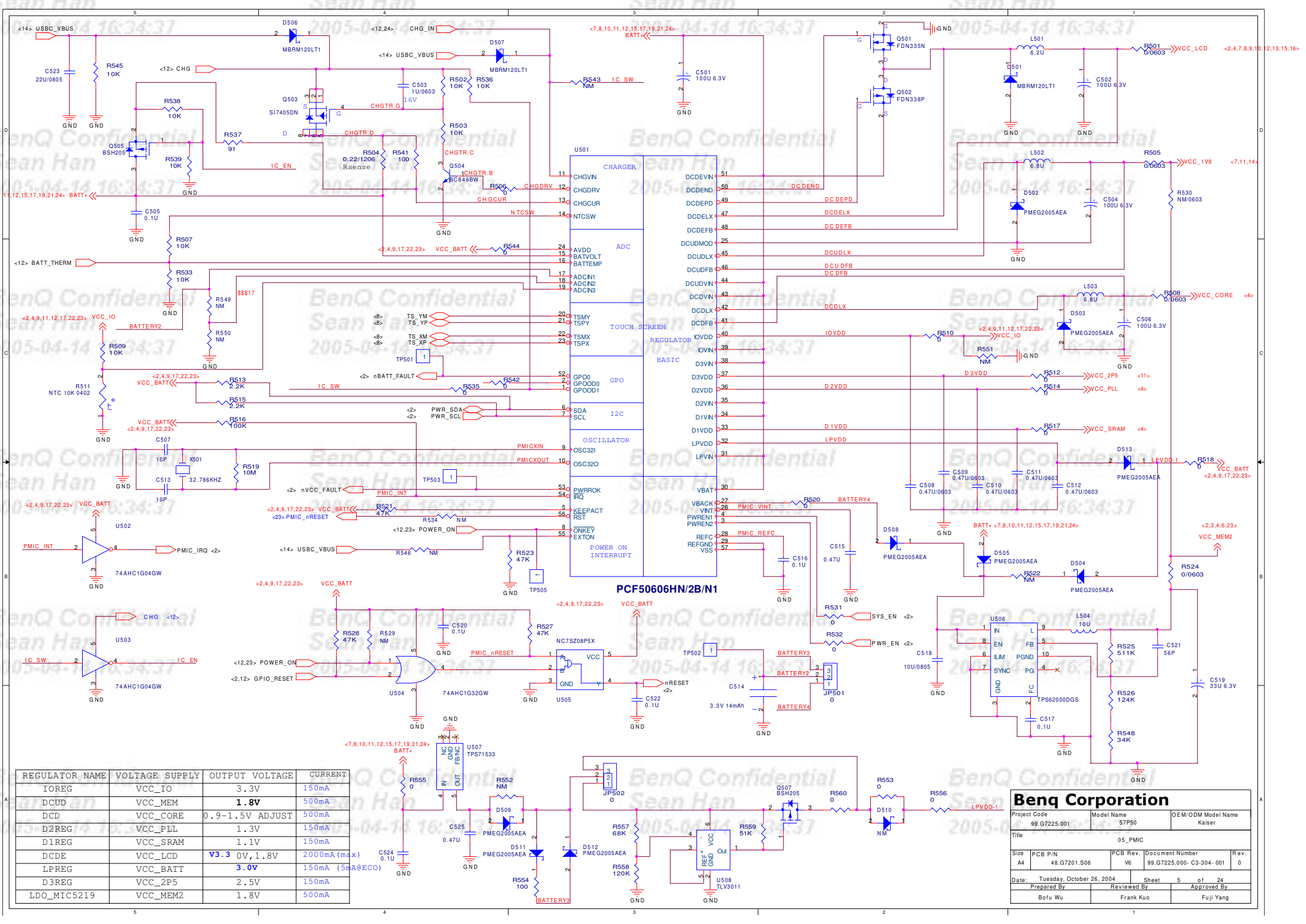




REGULATOR NAME	VOLTAGE SUPPLY	OUTPUT VOLTAGE	CURRENT
IOREG	VCC_IO	3.3V	150mA
DCUD	VCC_BB	3.3V	500mA
DCD	VCC_CORE	0.9-1.5V ADJUST	500mA
D2REG	VCC_MEM	1.8V	150mA
D1REG	VCC_SRAM	1.1V	150mA
DCDE	VCC_LCD	V3.3 0V, 1.8V	2000mA (max)
LPREG	VCC_BATT	3.3V	150mA (5mA@ECO)
D3REG	VCC_PLL	1.3V	150mA
LDO_MIC5219	VCC_MEM2	1.8V	500mA

Enable	POWER DOMAIN	VOLTAGE LEVEL	Tolerance	
None	VCC_BATT	V3.0	+25%	5mA@3.75V
SYS_EN	VCC_IO	V3.3 V3.0	+10%	15mA@3.3V
SYS_EN	VCC_LCD	V3.3 V1.8, 2.5, 3.0	+20, -5 (@1.8V) Otherwise +10%	6mA@3.3V
SYS_EN	VCC_MEM	V1.8 V2.5, 3.0, 3.3	+20, -5 (@1.8V) Otherwise +10%	127mA@3.3V
SYS_EN	VCC_BB	V1.8, 2.5, 3.0, 3.3	+20, -5 (@1.8V) Otherwise +10%	4mA@3.3V
SYS_EN	VCC_USIM	V1.8, 3.0	+20, -5 (@1.8V) Otherwise +10%	0.3mA@3.0V
SYS_EN	VCC_USB	V3.3 V3.0	+10%	15mA@3.3V
PWR_EN	VCC_PLL	V1.3	+10%	23mA@1.3V
PWR_EN	VCC_SRAM	V1.1	+10%	14mA@1.1V
PWR_EN	VCC_CORE	Variable V 0.85-V1.3	+10%	310mA@1.3V

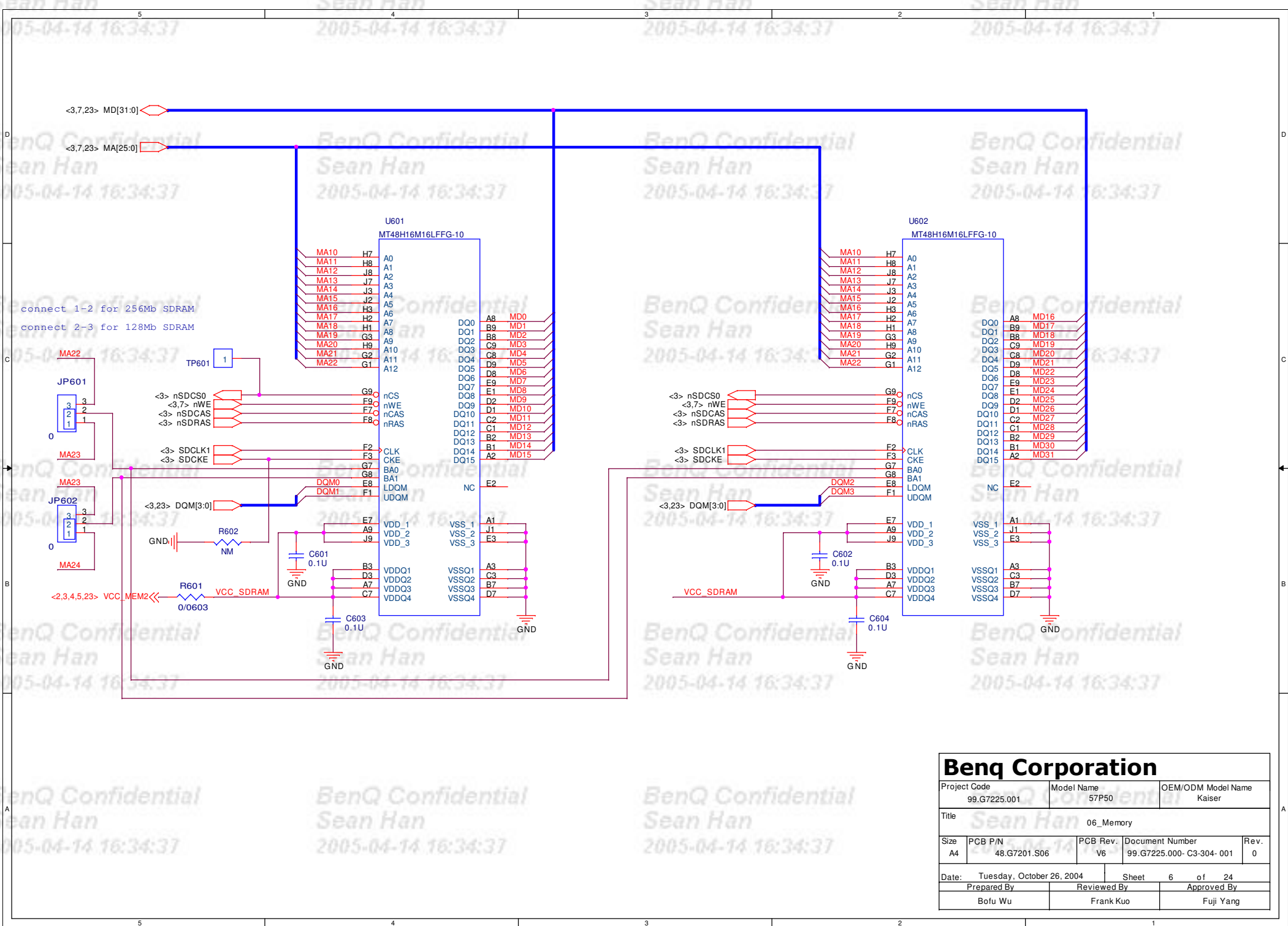
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Project Code		Model Name	OEM/ODM Model Name
99.G7225.001		57P50	Kaiser
Title			
04_Bulverde_3			
Size	PCB P/N	PCB Rev.	Document Number
A4	48.G7201.S06	V6	99.G7225.000-C3-304-001
		Rev.	
		0	
Date:		Sheet	
Tuesday, October 26, 2004		4 of 24	
Prepared By		Reviewed By	Approved By
Bofu Wu		Frank Kuo	Fuji Yang



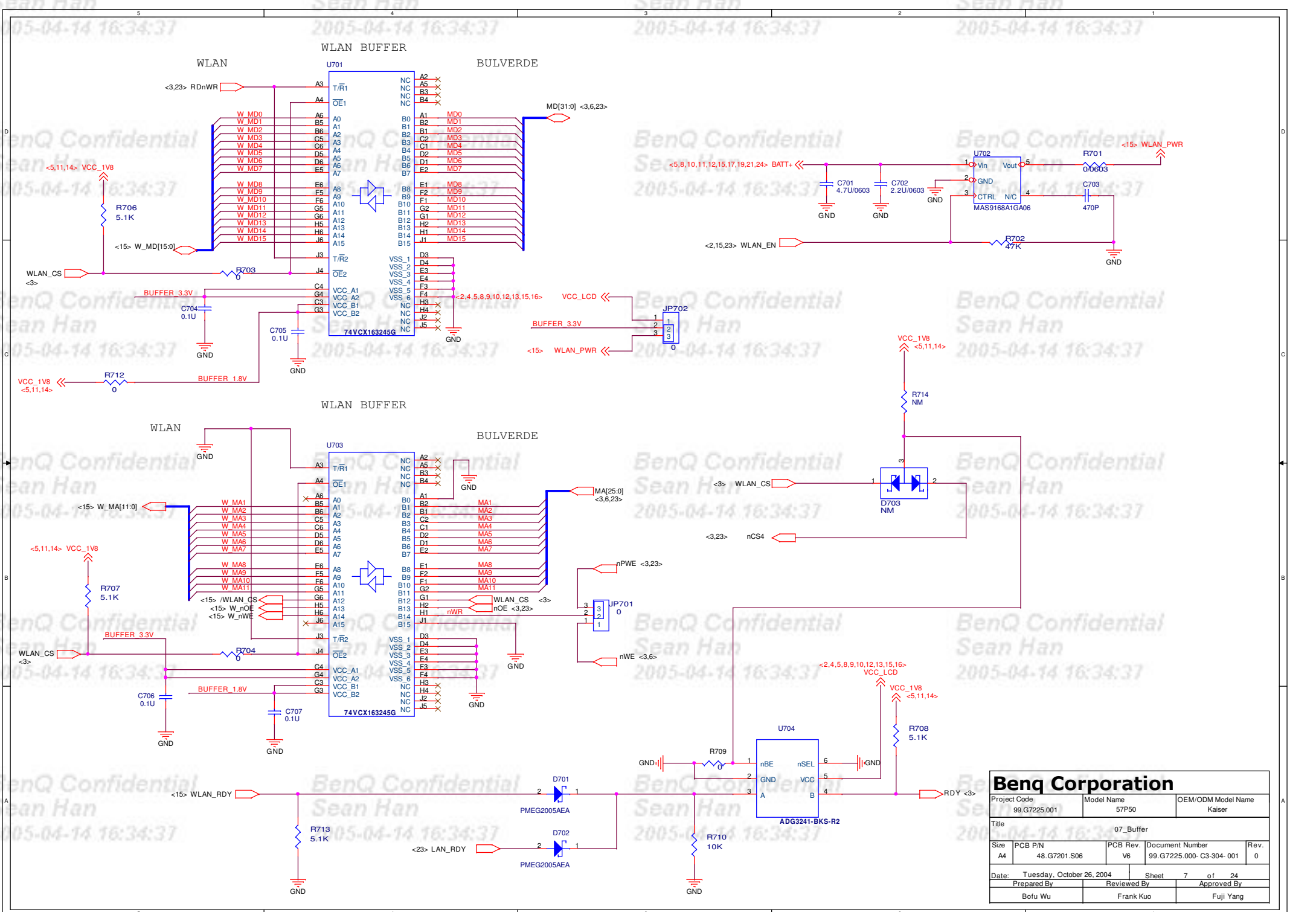
REGULATOR NAME	VOLTAGE SUPPLY	OUTPUT VOLTAGE	CURRENT
IOREG	VCC_IO	3.3V	150mA
DCUD	VCC_MEM	1.8V	500mA
D2REG	VCC_PLL	1.3V	150mA
D1REG	VCC_SRAM	1.1V	150mA
DCDE	VCC_LCD	V3.3 0V, 1.8V	2000mA (max)
LPREG	VCC_BATT	3.0V	150mA (5mA@ECO)
D3REG	VCC_2P5	2.5V	150mA
LDO_MIC5219	VCC_MEM2	1.8V	500mA

Benq Corporation

Project Code	Model Name	OEM/ODM Model Name
99.G7225.001	57P50	Kaiser
Title		
05_PMIC		
Size	PCB P/N	PCB Rev.
A4	48.G7201.S06	V6
Date:	Tuesday, October 26, 2004	Sheet 5 of 24
Prepared By	Reviewed By	Approved By
Bofu Wu	Frank Kuo	Fuji Yang

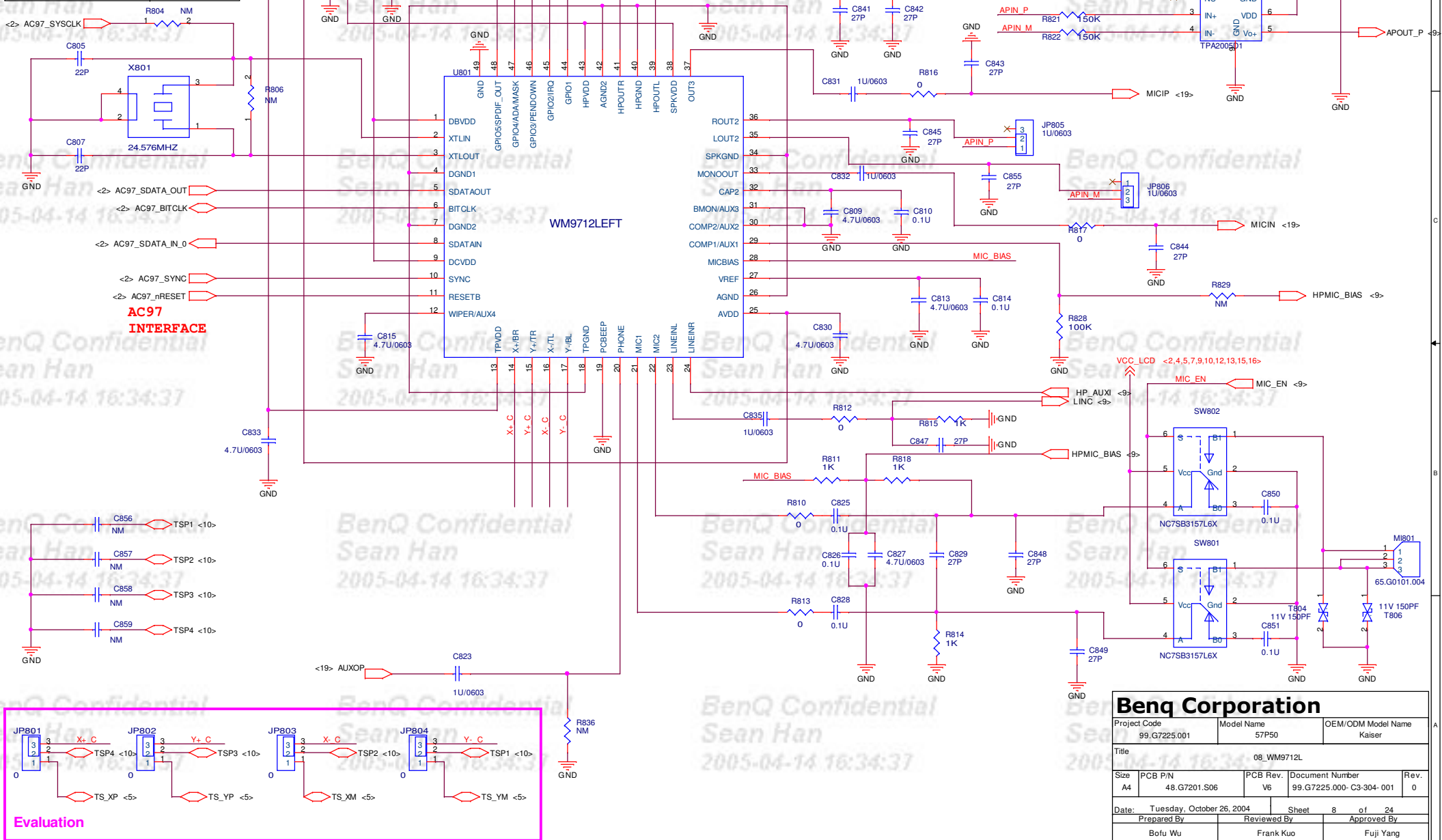


Benq Corporation				
Project Code 99.G7225.001		Model Name 57P50	OEM/ODM Model Name Kaiser	
Title 06_Memory				
Size A4	PCB P/N 48.G7201.S06	PCB Rev. V6	Document Number 99.G7225.000- C3-304- 001	Rev. 0
Date: Tuesday, October 26, 2004		Sheet 6	of 24	
Prepared By		Reviewed By	Approved By	
Bofu Wu		Frank Kuo	Fuji Yang	

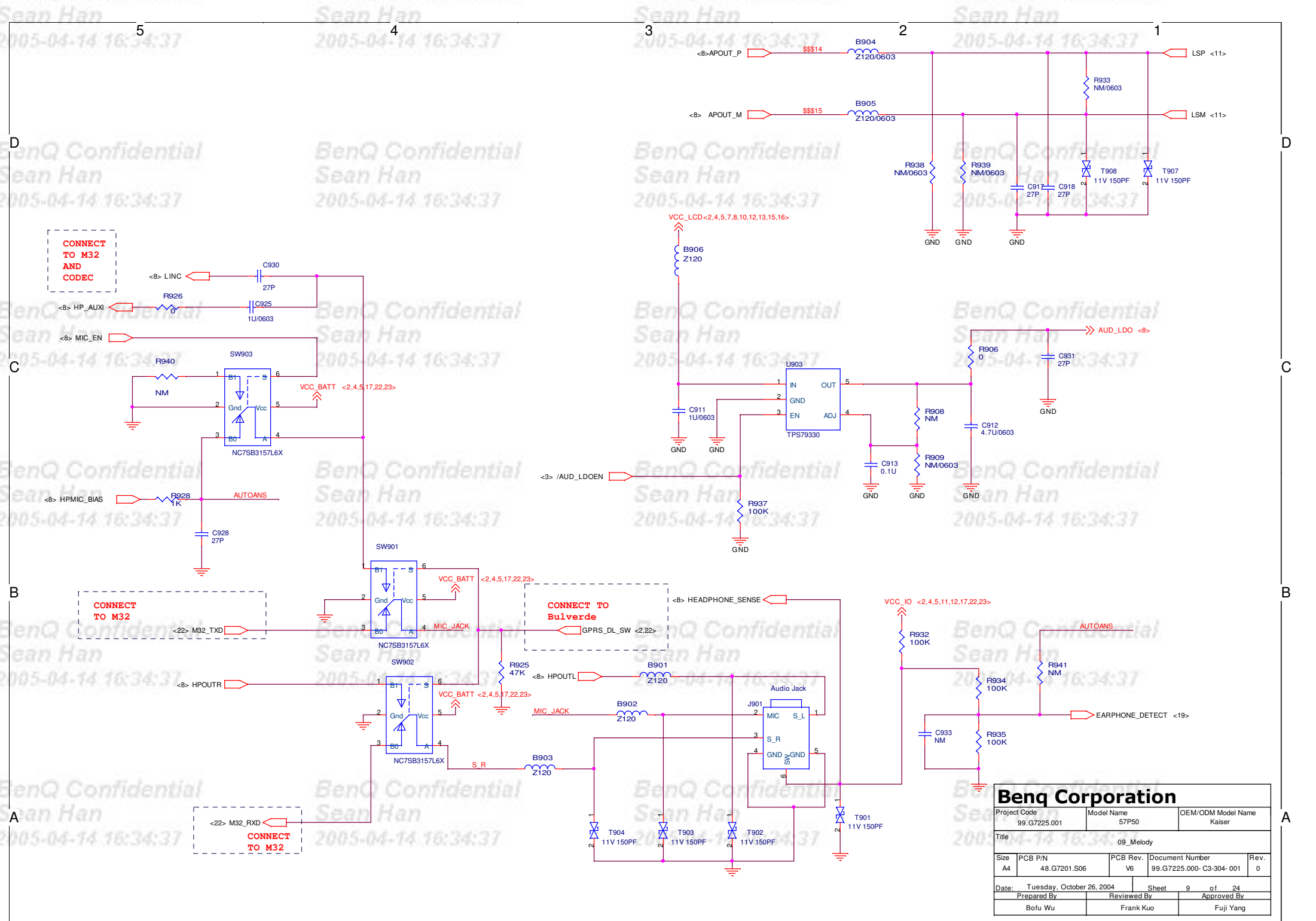


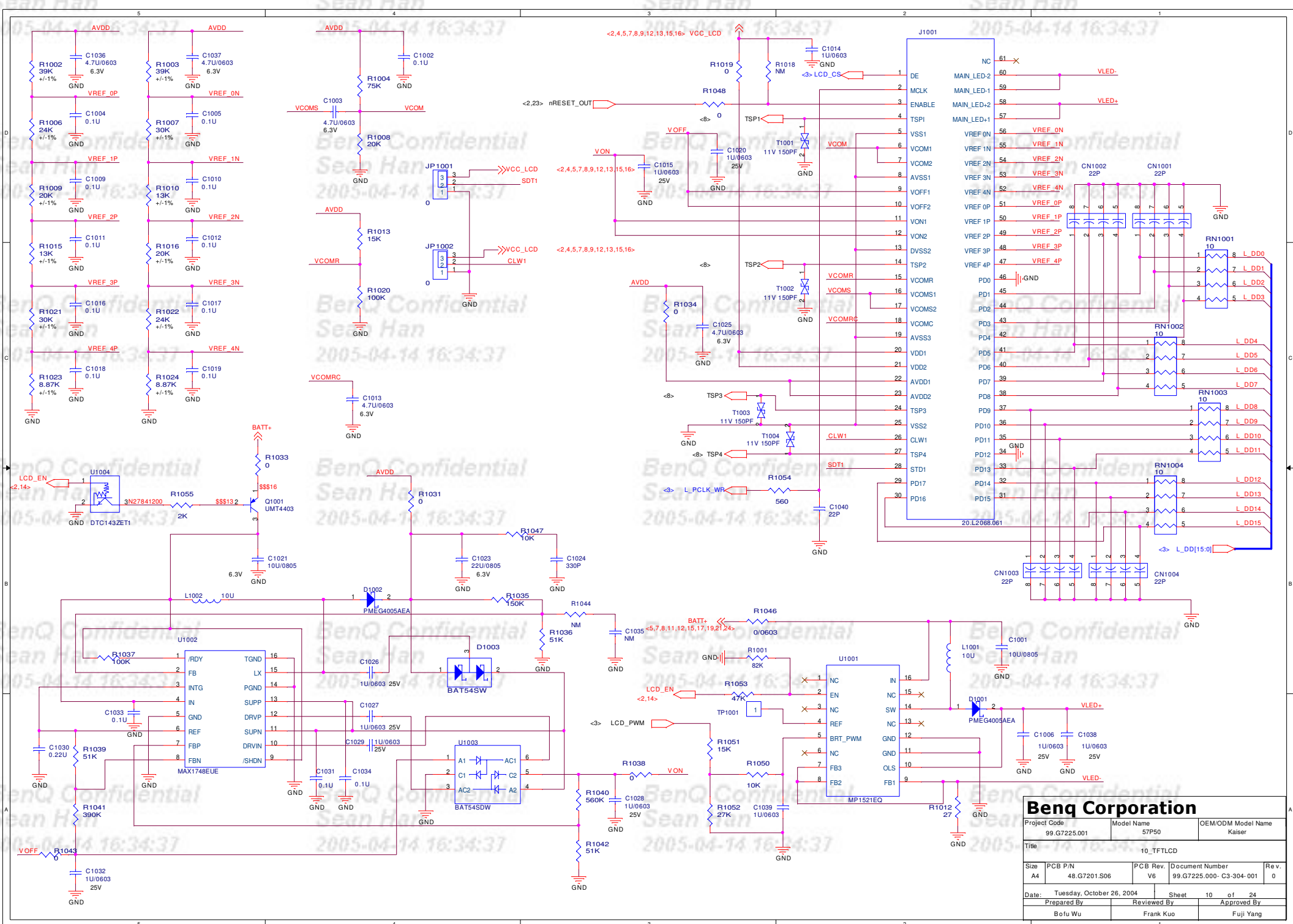
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Project Code		Model Name	OEM/ODM Model Name
99.G7225.001		57P50	Kaiser
Title			
07_Buffer			
Size	PCB P/N	PCB Rev.	Document Number
A4	48.G7201.S06	V6	99.G7225.000- C3-304- 001
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Prepared By		Reviewed By	Approved By
Bofu Wu		Frank Kuo	Fuji Yang

VCC_IO	3.3V
MAX	200mA
IDLE MODE (AC-LINK RUNNING)	1.1mA
STANDBY MODE (READY TO PLAY)	
LOWER POWER	0.56mA
STANDBY	0.005mA
OFF	
MODE	0.0005mA

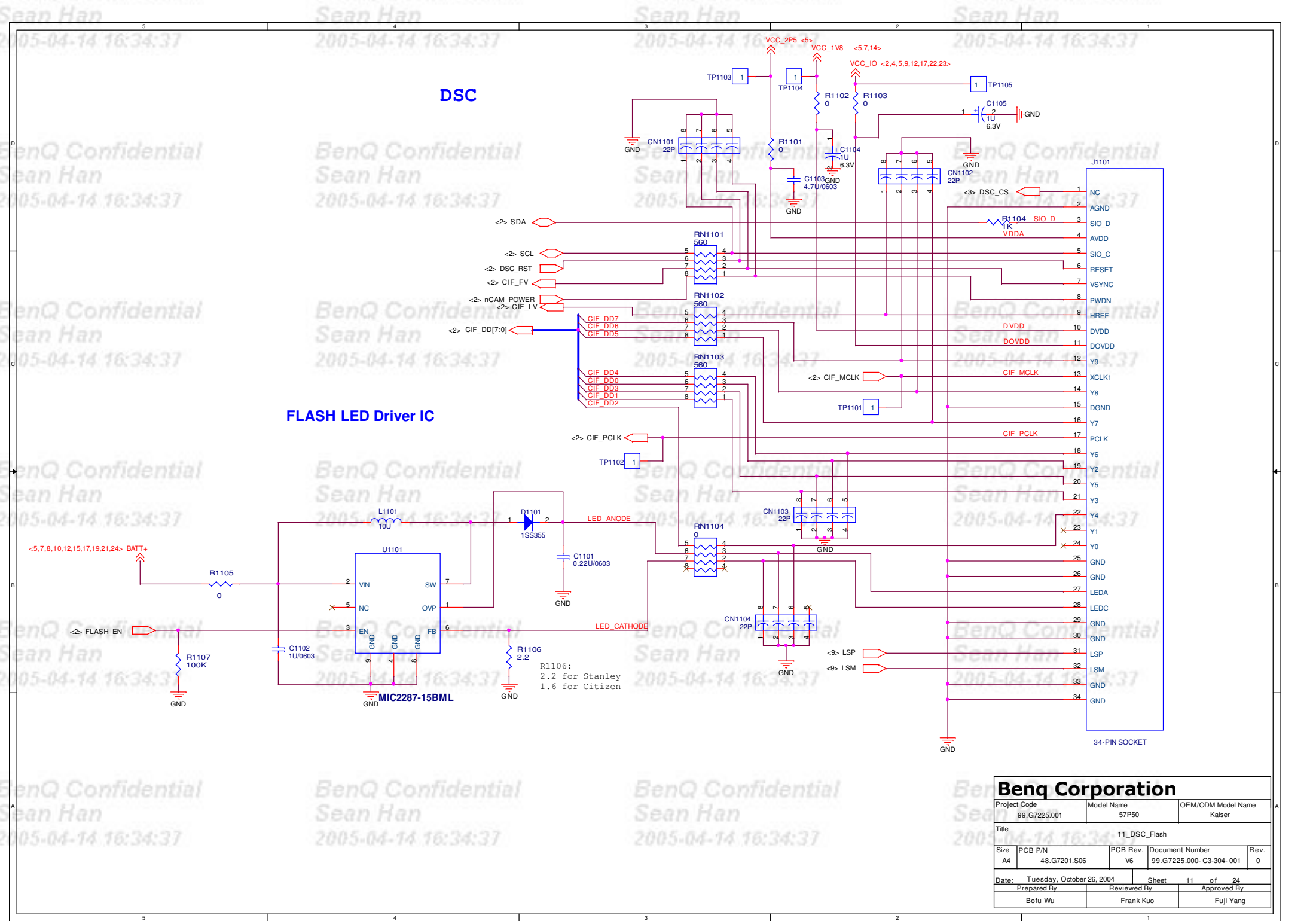


Benq Corporation			
Project Code	Model Name	OEM/ODM Model Name	
99.G7225.001	57P50	Kaiser	
Title			
08_WM9712L			
Size	PCB P/N	PCB Rev.	Document Number
A4	48.G7201.S06	V6	99.G7225.000-C3-304-001
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Tuesday, October 26, 2004		8 of 24	
Prepared By		Reviewed By	
Bofu Wu		Frank Kuo	
		Approved By	
		Fuji Yang	



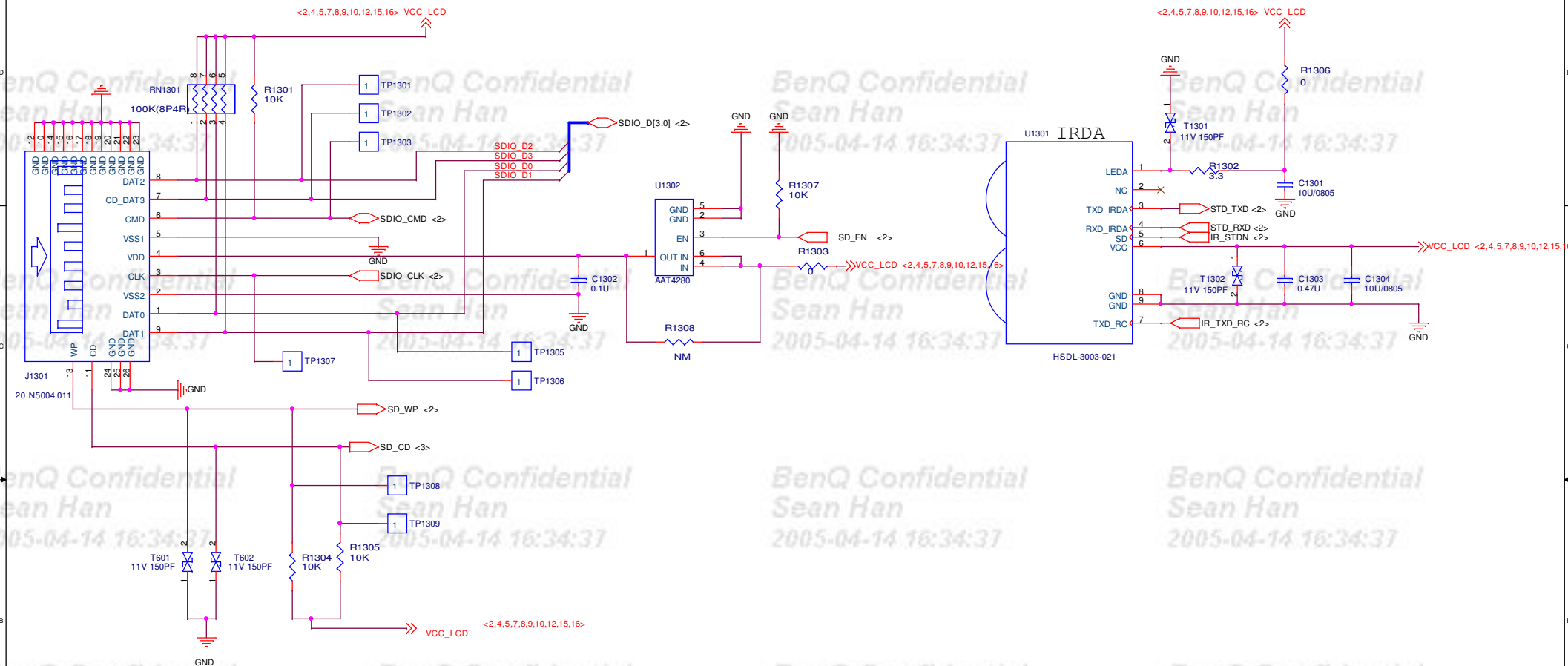


Benq Corporation				
Project Code		Model Name		OEM/ODM Model Name
99.G7225.001		57P50		Kaiser
Title				
10_TFTLCD				
Size	PCB P/N	PCB Rev.	Document Number	Rev.
A4	48.G7201.S06	V6	99.G7225.000- C3-304-001	0
Date: Tuesday, October 26, 2004		Sheet 10	of 24	
Prepared By		Reviewed By		Approved By
Bofu Wu		Frank Kuo		Fuji Yang

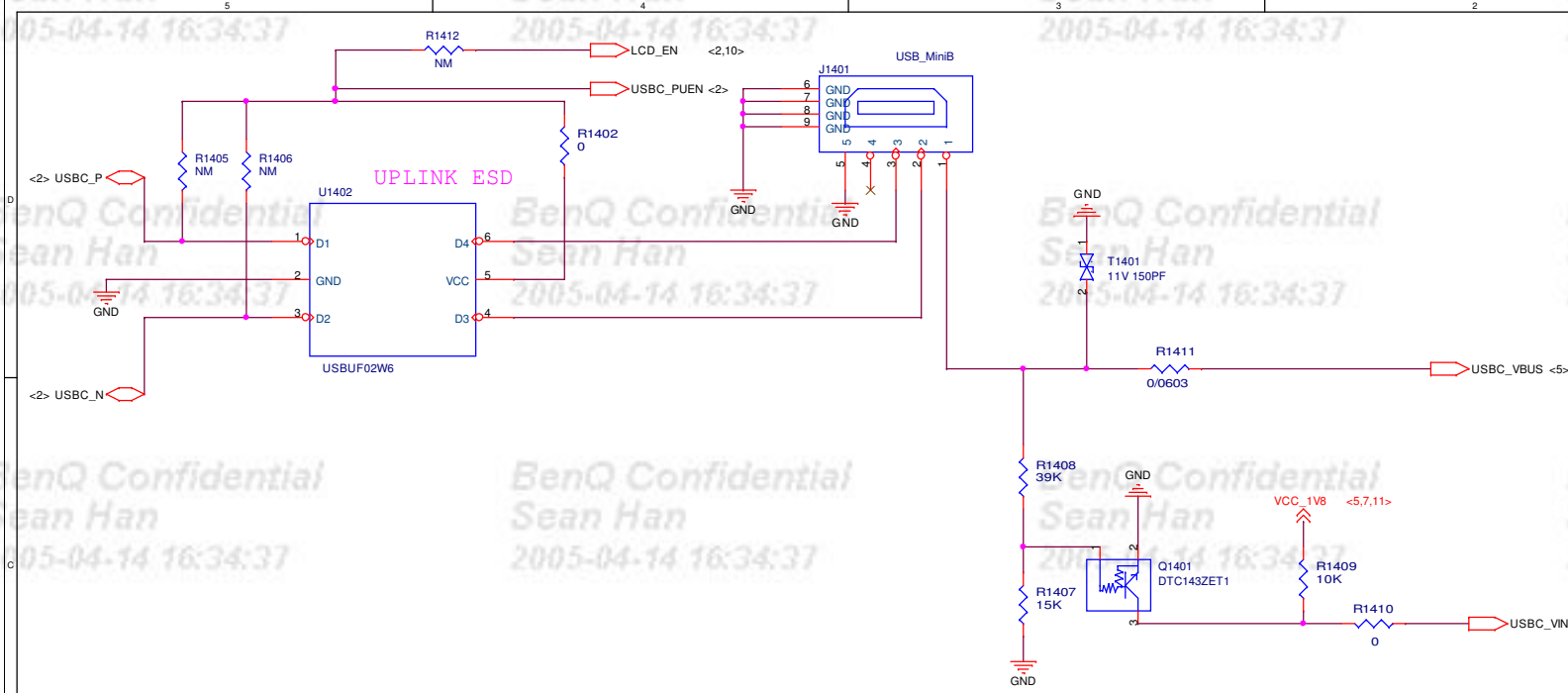


Benq Corporation			
Project Code		Model Name	OEM/ODM Model Name
99.G7225.001		57P50	Kaiser
Title			
11_DSC_Flash			
Size	PCB P/N	PCB Rev.	Document Number
A4	48.G7201.S06	V6	99.G7225.000-C3-304-001
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SD/MMC Typ. 80mA ACTIVE



Benq Corporation			
Project Code		Model Name	OEM/ODM Model Name
99.G7225.001		57P50	Kaiser
Title			
13_SD_IRDA			
Size	PCB P/N	PCB Rev.	Document Number
A4	48.G7201.S06	V6	99.G7225.000- C3-304- 001
Date:		Sheet	13 of 24
Prepared By		Reviewed By	Approved By
Bofu Wu		Frank Kuo	Fuji Yang



Benq Corporation			
Project Code		Model Name	OEM/ODM Model Name
99.G7225.001		57P50	Kaiser
Title			
14_USB_Client			
Size	PCB P/N	PCB Rev.	Document Number
A4	48.G7201.S06	V6	99.G7225.000- C3-304- 001
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Prepared By		Reviewed By	Approved By
Bofu Wu		Frank Kuo	Fuji Yang

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2005-04-14 16:34:27

Beng Corporation				
Project Code 99.G7225.001		Model Name 57P50		DCM/CDM Name Kaiser
Title 15_WLAN_MAC				
Size A4	PCB PIN 48.G7201.506	PCB Rev. V6	Document Number 99.G7225.000-CD-304-001	
Date Tuesday, October 26, 2004				
Prepared By Sue Wu	Reviewed By Frank Rao	Signel Sue Wu	Approved By Sue Wu	

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Sean Han

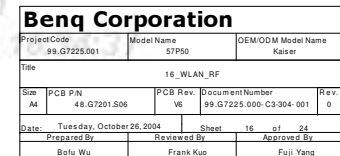
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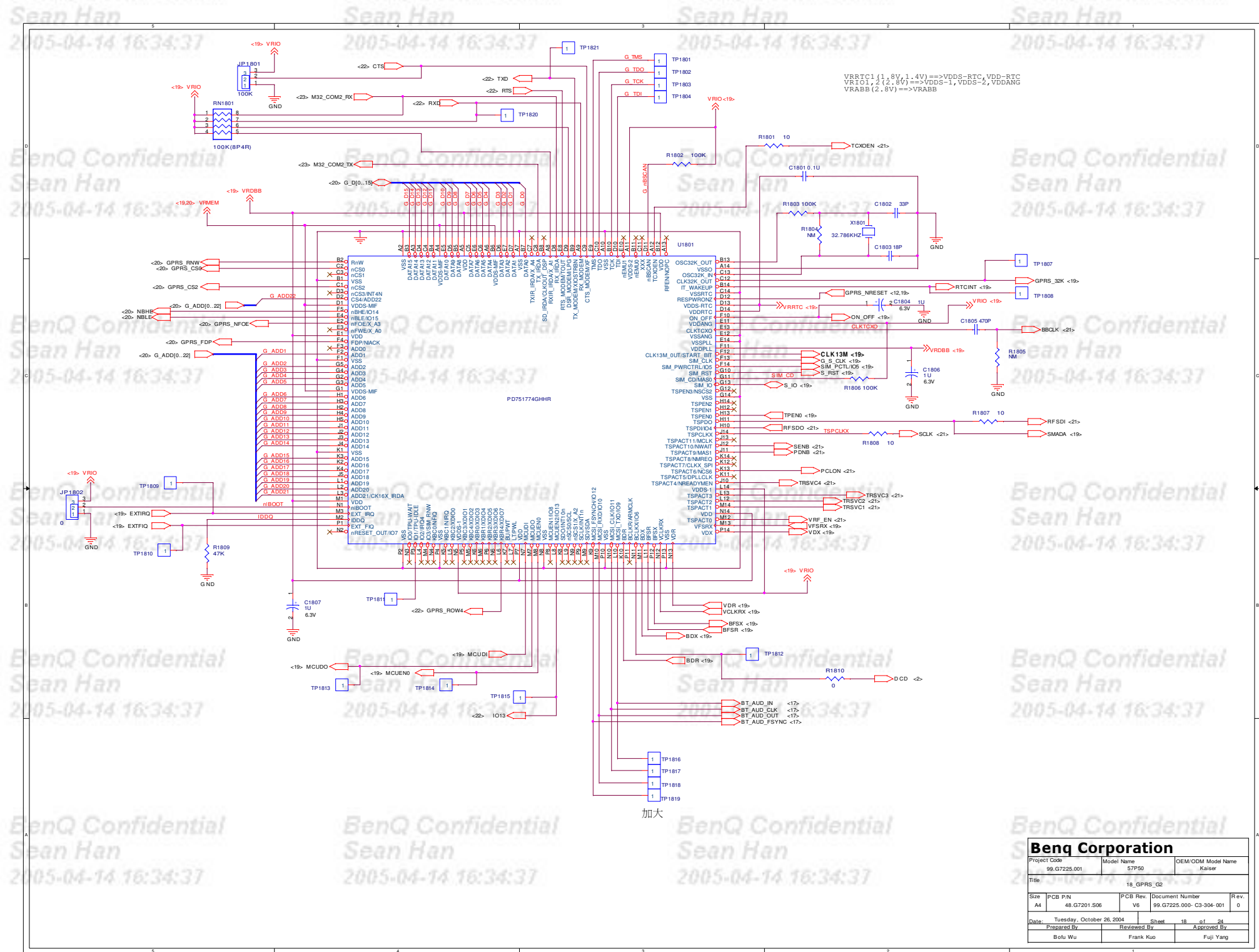
50 ohm TX Line

SW1601
HIROSE MS147

BenQ Confidential
Sean Han

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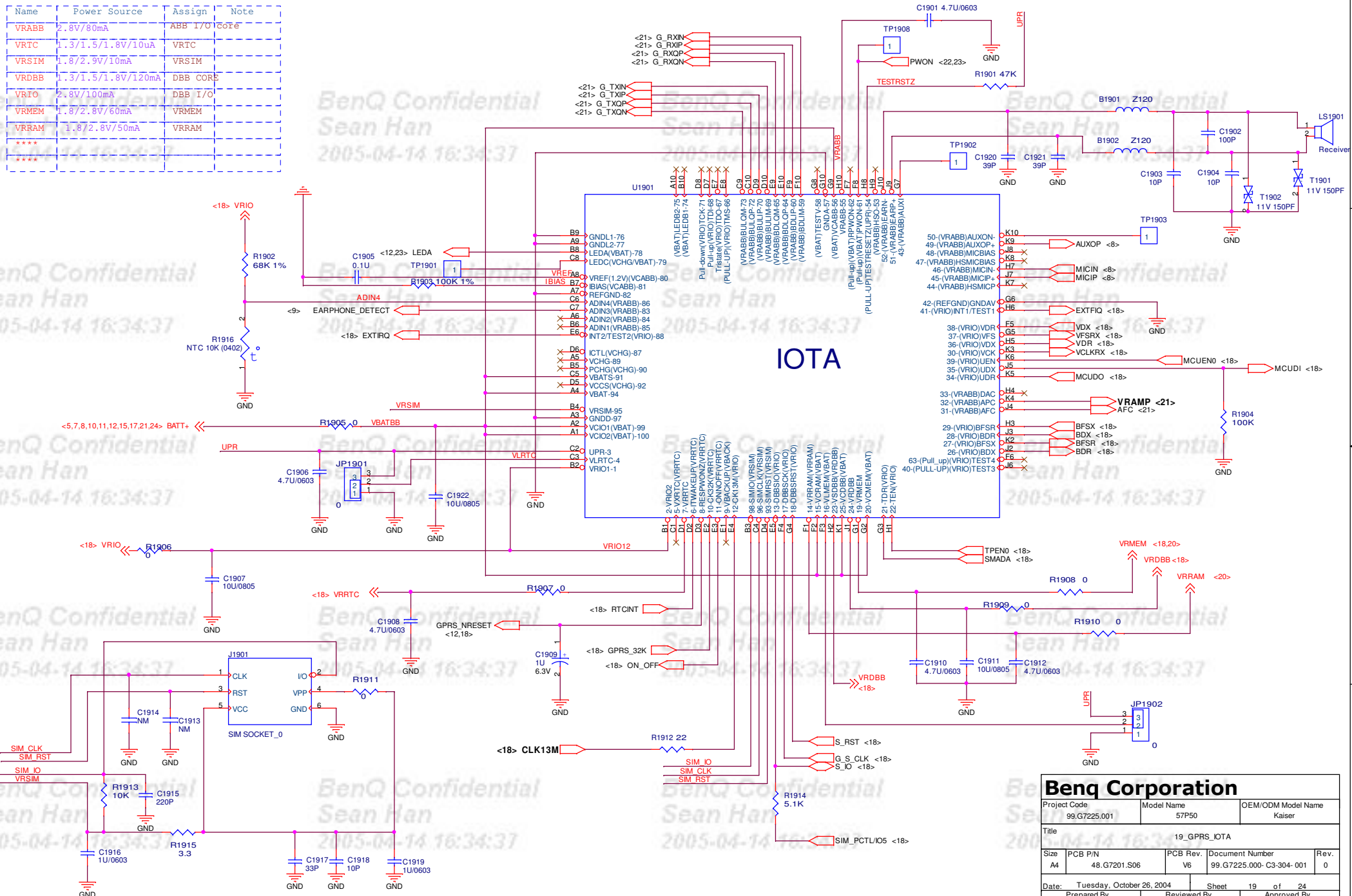




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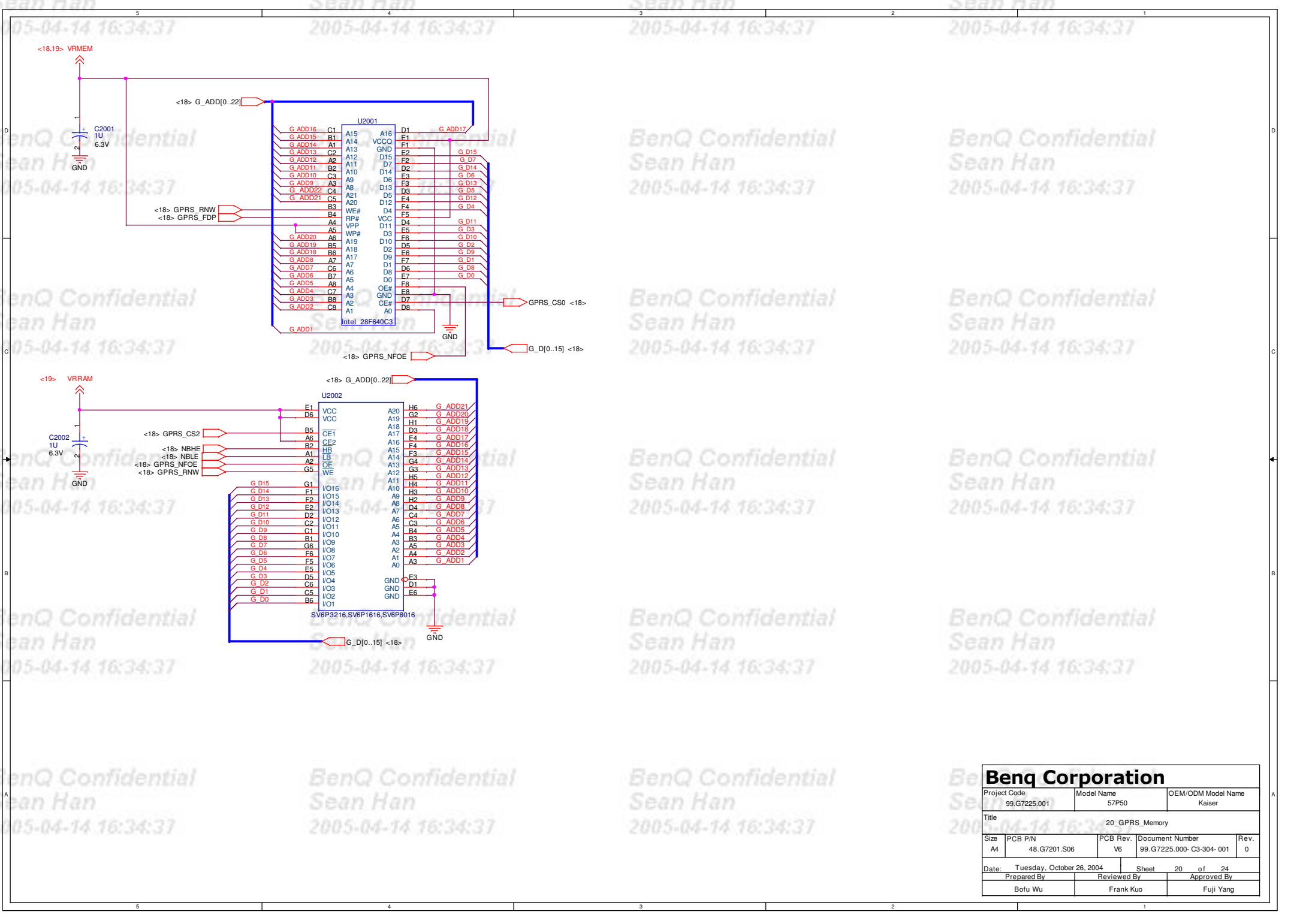
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99.G7225.001	57P50	Kaiser
Title	18_GPRS_C2	
Size	PCB P/N	PCB Rev.
A4	48.G7201.506	V6
Document Number	99.G7225.000- C3-304-001	Rev.
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Prepared By	Reviewed By	Approved By
Bofu Wu	Frank Kuo	Fuji Yang

Name	Power Source	Assign	Note
VRABB	2.8V/80mA	ABB I/O	CORE
VRTC	1.3/1.5/1.8V/10uA	VRTC	
VRSIM	1.8/2.9V/10mA	VRSIM	
VRDBB	1.3/1.5/1.8V/120mA	DBB CORE	
VRIO	2.8V/100mA	DBB I/O	
VRMEM	1.8/2.8V/60mA	VRMEM	
VRRAM	1.8/2.8V/50mA	VRRAM	

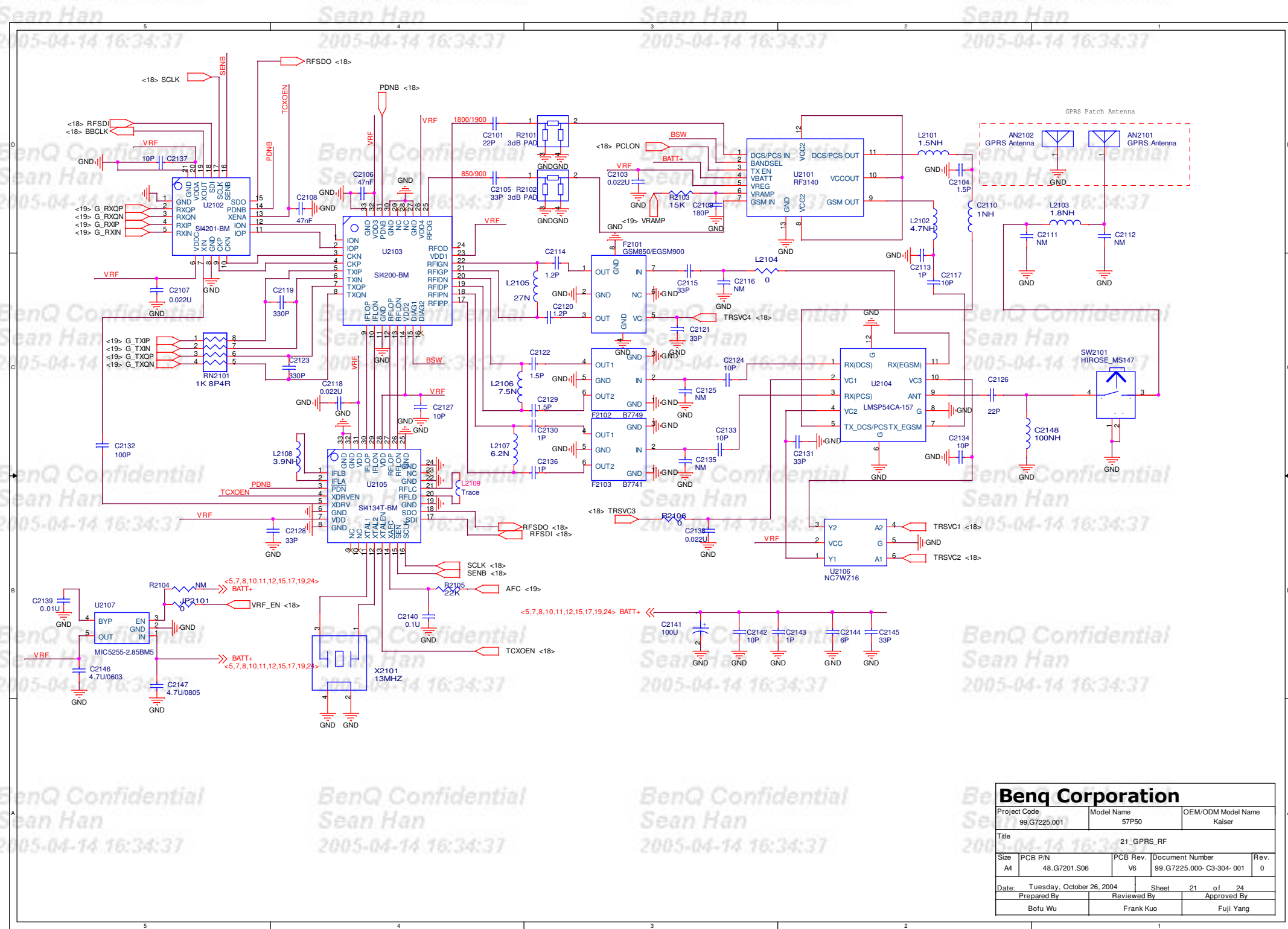


Beng Corporation

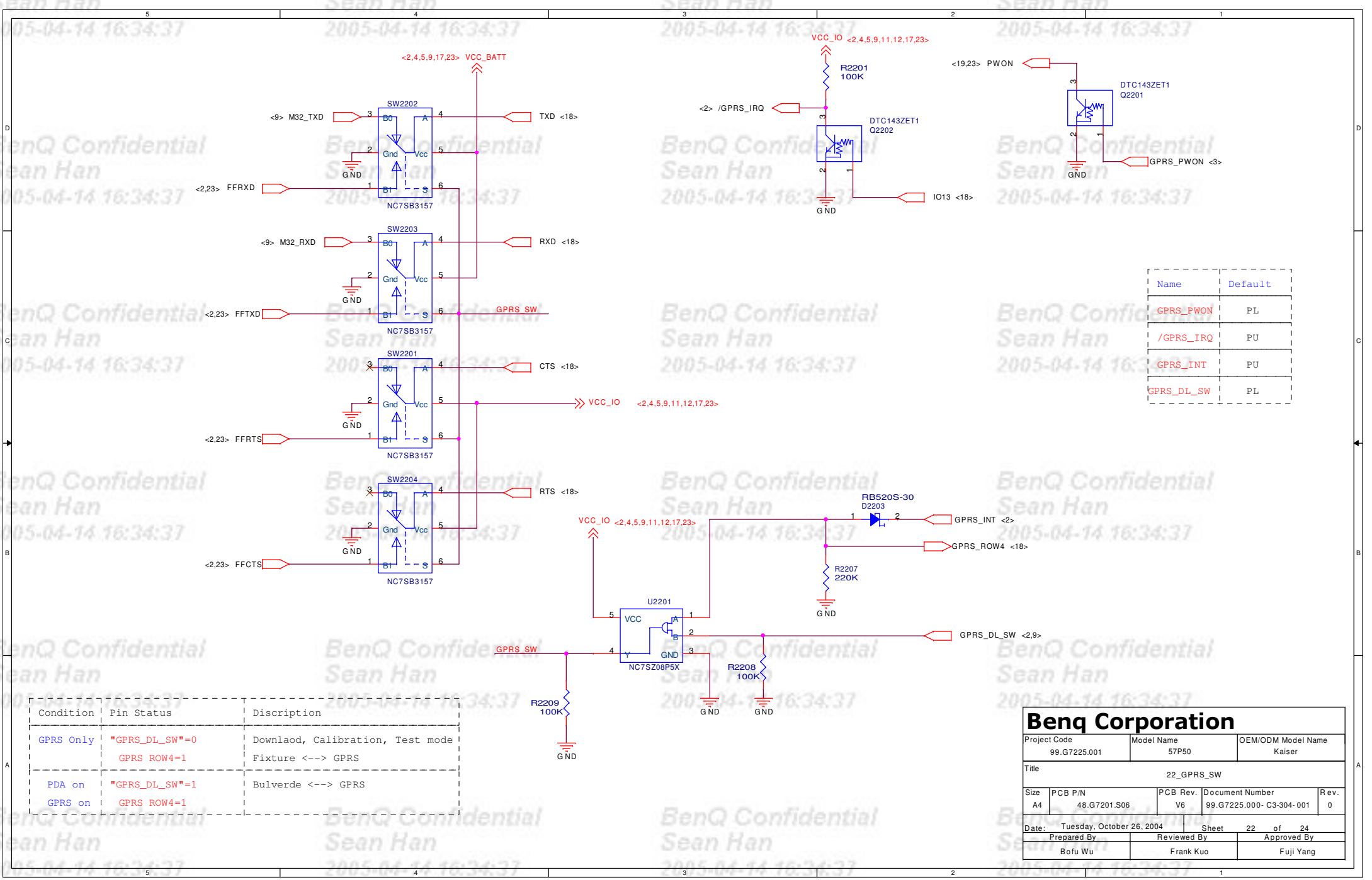
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Title 19_GPRS_IOTA					
Size A4	PCB P/N 48.G7201.S06	PCB Rev. V6	Document Number 99.G7225.000- C3-304- 001		Rev. 0
Date: Tuesday, October 26, 2004			Sheet 19 of 24		
Prepared By Bofu Wu		Reviewed By Frank Kuo		Approved By Fuji Yang	



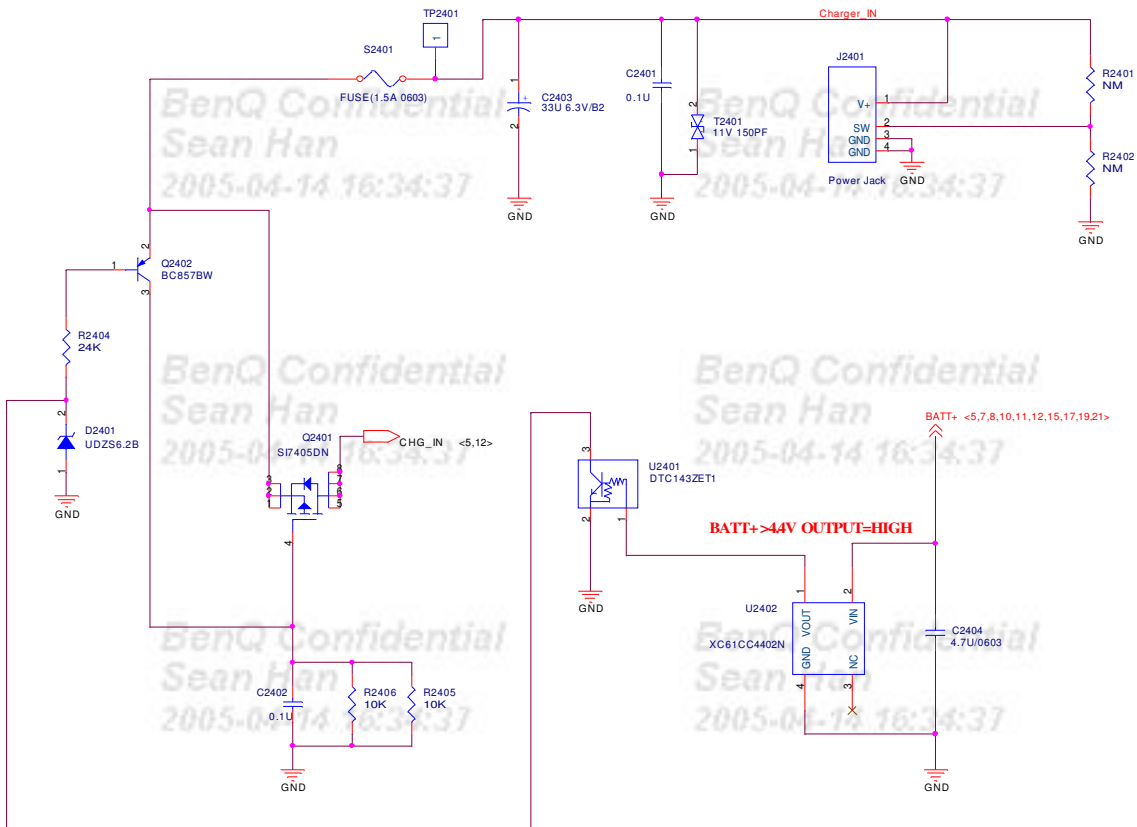
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Project Code		Model Name	OEM/ODM Model Name
99.G7225.001		57P50	Kaiser
Title			
20_GPRS_Memory			
Size	PCB P/N	PCB Rev.	Document Number
A4	48.G7201.S06	V6	99.G7225.000- C3-304- 001
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Tuesday, October 26, 2004		20	0
Prepared By		Reviewed By	Approved By
Bofu Wu		Frank Kuo	Fuji Yang



Benq Corporation			
Project Code		Model Name	OEM/ODM Model Name
99.G7225.001		57P50	Kaiser
Title			
21_GPRS_RF			
Size	PCB P/N	PCB Rev.	Document Number
A4	48.G7201.S06	V6	99.G7225.000- C3-304- 001
Date:		Sheet	21 of 24
Prepared By		Reviewed By	
Bofu Wu		Frank Kuo	
		Approved By	
		Fuji Yang	



Benq Corporation				
Project Code		Model Name		OEM/ODM Model Name
99.G7225.001		57P50		Kaiser
Title				
22_GPRS_SW				
Size	PCB P/N	PCB Rev.	Document Number	Rev.
A4	48.G7201.S06	V6	99.G7225.000- C3-304- 001	0
Date: Tuesday, October 26, 2004		Sheet	22	of 24
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Bofu Wu		Frank Kuo		Fuji Yang



Benq Corporation				
Project Code		Model Name		OEM/ODM Model Name
99.G7225.001		57P50		Kaiser
Title				
24_LI-SAFETY CHARGING				
Size	PCB P/N	PCB Rev.	Document Number	Rev.
A4	48.G7201.S06	V6	99.G7225.000- C3-304-001	0
Date: Tuesday, October 26, 2004		Sheet	24 of 24	
Prepared By		Reviewed By	Approved By	
Bofu Wu		Frank Kuo	Fuji Yang	
1				