

Prestigio Multipad PMP3570C

TECHNICAL SERVICE MANUAL

PMP3570C Specification

ID



Software	Operating System	Android 4.0
	OS Version	Details inside QA shipment record file
	System Setting	Android 4.0
Hardware	CPU	1.0GHZ
	FLASH	8G MLC biwin
	RAM	512M DDR3 HY
	LCD	7" TFT LCD 800 * 480
	Speaker	8ohm/1W
	External Memory / Format	Micro SD Card Slot, Support up to 32GB flash
	Operation Mode	Capacitive G+G
	USB	USB2.0,
	Headphone	3.5MM MINI Interface
Function	Video Support	MPEG4 WMV, AVI, ASF, WMV9
	Audio Support	MP3, WAV
	Photo Viewe	JPG, GIF, BMP, PNG
Power	Built-in Battery	3200mAH /3.7V Li-pol-batteri
	charging set	5V DC electrical outlets
Accessorie	USB Cable	Micro USB cable ,Micro USB 5PIN, L=60CM
	OTG cable	Micro OTG calbe , Micro USB5PIN, L=100MM
Other	environmental parametric	operate temperature: 0 °C to 50 °C Storage temperature: -10 °C to 60 °C

PMP3570C BOM

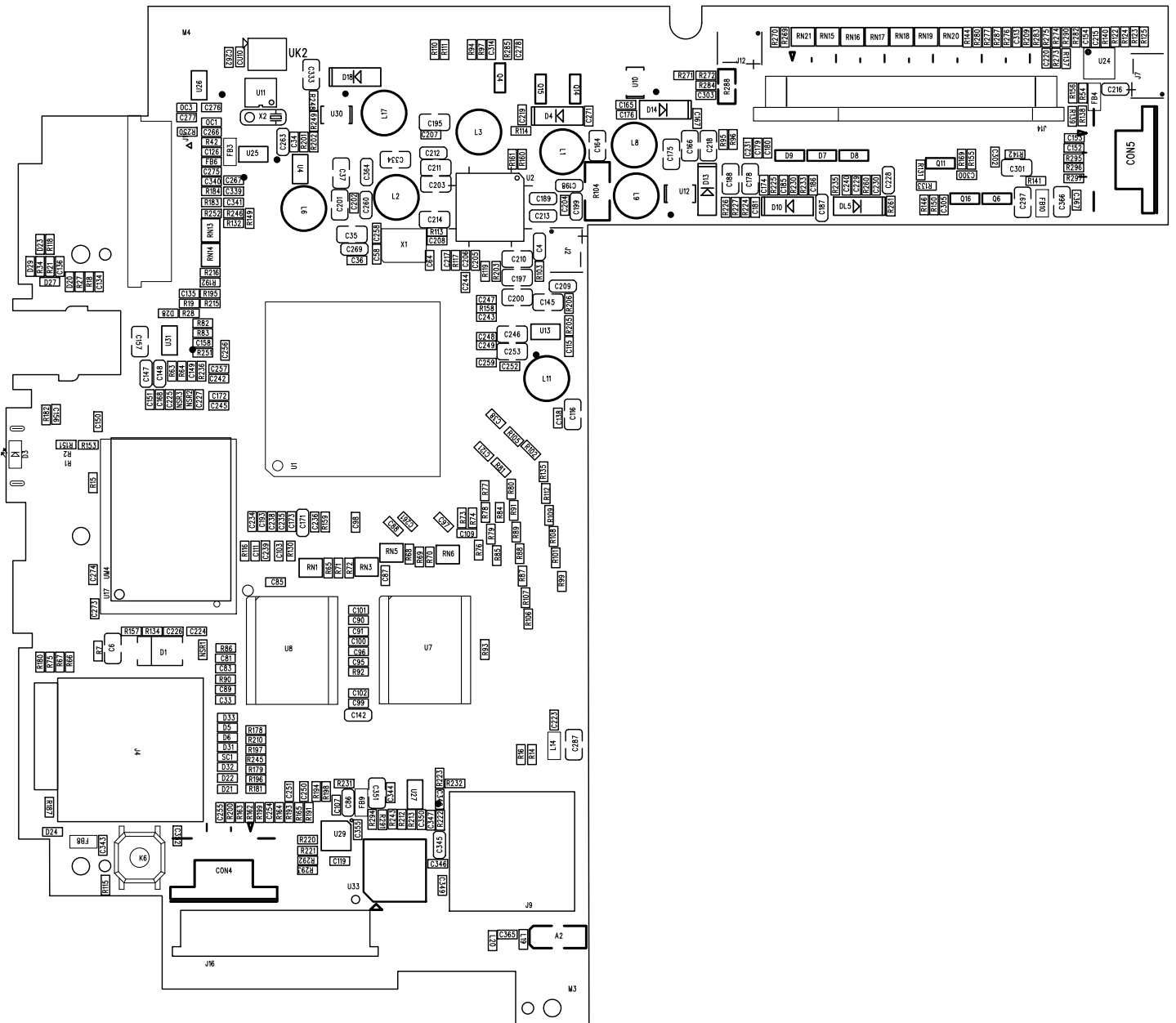
PN Code	Description		Unit	Qty	Remark
26-08011-0000301	LCD	7" 800*480,LT70009CHT-03 164.9*103*3.5MM Glass ROHS	PCS	1	
25-01021-0000601	CTP	7inch G+G	PCS	1	
30-02011-0001201	Speaker	MLS24154008P-W02,L=50mmROHS	PCS	1	
24-01011-0001601	Battery	3200mAh,L=15mmROHS	PCS	1	
02-03061-0005501	Camera	Front CAM0.3 ROHS	PCS	1	
23-04051-0002801	Antenna	RF Cable 1.13mm,L=150mm ROHS	PCS	1	
73-05000-0002601	Double Side Tape	85*15*0.1mm ROHS	PCS	1	
42-01011-0008201	Auto tapping Screw	KA1.40*5*2.8MM 低碳钢 黑色 ROHS	PCS	2	
42-01011-0007401	Auto tapping Screw	KA1.4*3.5mm ROHS	PCS	3	
33-03011-0000801	Double Side Conductive Tape	20*10mm ROHS	PCS	2	
33-03011-0000901	Double Side Conductive Tape	50*8mm ROHS	PCS	1	
41-18413-0000101	Speaker dust-proof	H=0.1mm尼龙网背胶 ROHS	PCS	1	
51-28000-0010101	water damage sticker	M72Q2L AS 4*4mm 遇水变红 PN20120529 贴在PCBA上 ROHS	PCS	1	
31-02021-0001501	microphone	圆形,插针式 4*1.5,DI ROHS	PCS	1	MIC1
478G-37300RS	Chip Resistor	普通 6.8KΩ, ±5%, 1/16W, 0402 YAGEO ROHS	PCS	3	R67,R138,R139
478G-41701RS	Chip Resistor	普通 8.2KΩ,±1%, 1/16W, 0402 YAGEO (RoHS)	PCS	1	R75
11-01021-0027701	Chip Resistor	普通 9.1KΩ,±5%,1/16W,0402 YAGEO ROHS	PCS	1	R273
478G-45000RS	Chip Resistor	普通 10KΩ, ±5%, 1/16W, 0402 YAGEO ROHS	PCS	13	NSR1,R54,R110,R134,R157,R42,R192,R195,R209,R270,R280,R287,R283
478G-24601RS	Chip Resistor	普通 13KΩ,±1%,1/16W,0402 YAGEO ROHS	PCS	1	R249,
478G-53800RS	Chip Resistor	普通 20k 1/16W 1% 0402 YAGEO (RoHS)	PCS	1	R133
478G-56001RS	Chip Resistor	普通 22KΩ,±1%, 1/16W, 0402 YAGEO (ROHS)	PCS	1	R140
478G-40900RS	Chip Resistor	普通 39KΩ, ±5%, 1/16W, 0402 YAGEO (RoHS)	PCS	1	R225
478G-41100RS	Chip Resistor	普通 47KΩ, ±5%, 1/16W, 0402 YAGEO (RoHS)	PCS	13	R82,R114,R117,R142,R151,R178,R179,R181,R196,R197,R210,R233,R261
478G-44400RS	Chip Resistor	普通 56KΩ,±1%,1/16W,0402 YAGEO (RoHS)	PCS	1	R284
478G-25901RS	Chip Resistor	普通 75KΩ,±1%, 1/16W, 0402 YAGEO ROHS	PCS	1	R227
478G-38300RS	Chip Resistor	普通 100KΩ, ±1%, 1/16W, 0402 YAGEO (RoHS)	PCS	4	R66,R202,R206,R248
478G-38400RS	Chip Resistor	普通 100KΩ, ±5%, 1/16W, 0402 YAGEO (RoHS)	PCS	3	R83,R94,R146
478G-54200RS	Chip Resistor	普通 150k 1/16W 1% 0402 YAGEO (RoHS)	PCS	1	R205
478G-42300RS	Chip Resistor	普通 200KΩ,±1%,1/16W,0402 YAGEO (RoHS)	PCS	2	R113,R158
11-01021-0023401	Chip Resistor	普通 442KΩ,±1%,1/16W,0402 YAGEO ROHS	PCS	1	R201
478G-26800RS	Chip Resistor	普通 499KΩ ±1%, 1/16W, 0402 YAGEO ROHS	PCS	1	R224
478G-27200RS	Chip Resistor	普通 510KΩ ±5%, 1/16W, 0402 YAGEO ROHS	PCS	6	R97,R141,R150,R131,R251,R285
478G-43600RS	Chip Resistor	排阻 8P4R 100Ω ±5% 1/16W 0402 YAGEO (ROSH)	PCS	8	RN13,RN14,RN15,RN16,RN17,RN18,RN19,RN20,
150G-40600RS	Chip Capacitor	陶瓷 18pF 50V COG ±5% 0402 村田 ROHS	PCS	2	C58,C64
150G-41100RS	Chip Capacitor	陶瓷 47pF 50V NPO ±5%,0402 村田 ROHS	PCS	3	C34,C115,C181
150G-35500RS	Chip Capacitor	陶瓷 100PF 50V COG ±5% 0402 村田 ROHS	PCS	3	C150,C151,C168
150G-36002RS	Chip Capacitor	陶瓷 1nF,50V,X7R,±10%,0402 村田(RoHS)	PCS	7	C165,C176,C202,C207,C215,C219,C244
10-01141-0005801	Chip Capacitor	陶瓷,100nF 16V X7R ±10% 0402 编带 Darfon RoHS	PCS	29	SC1,OC1,OC3,CU10,C38,C103,C107,C119,C111,C134,C135,C136,C149,C193,C235,C236,C238,C239,C245,C247,C248,C249,C252,C256,C258,C259,C262,C352,C367
10-01161-0001701	Chip Capacitor	陶瓷,100nF,25V,Y5V,±10%,0402 村田 ROHS	PCS	10	C167,C174,C179,C180,C185,C186,C229,C230,C231,C240
10-01141-0005701	Chip Capacitor	陶瓷 4.7nF 50V X7R ±10% 0402 编带 Darfon RoHS	PCS	2	C152,C153
150G-56400RS	Chip Capacitor	陶瓷 220nF,10V,X7R,±10%,0402 村田 ROHS	PCS	7	C36,C126,C138,C156,C158,C220,C278
10-01151-0001801	Chip Capacitor	陶瓷,1uF 10V X5R ±10% 0402 编带 Darfon ROHS	PCS	18	C33,C121,C154,C172,C173,C234,C242,C257,C261,C271,C204,C205,C206,C208,C217,C305,C314,C340
150G-66900RS	Chip Capacitor	1uF 25V ±10% 0402 X5R Darfon RoHS	PCS	26	C223,C300,C302,C81,C83,C85,C87,C88,C89,C90,C91,C95,C96,C97,C98,C99,C100,C101,C102,C224,C225,C226,C227,C273,C274,C313
10-01141-0006001	Chip Capacitor	RoHS	PCS	3	C187,C228,C364
10-01151-0001301	Chip Capacitor	陶瓷 2.2uF,10V,X5R,±10%,0402 Darfon RoHS	PCS	1	C243

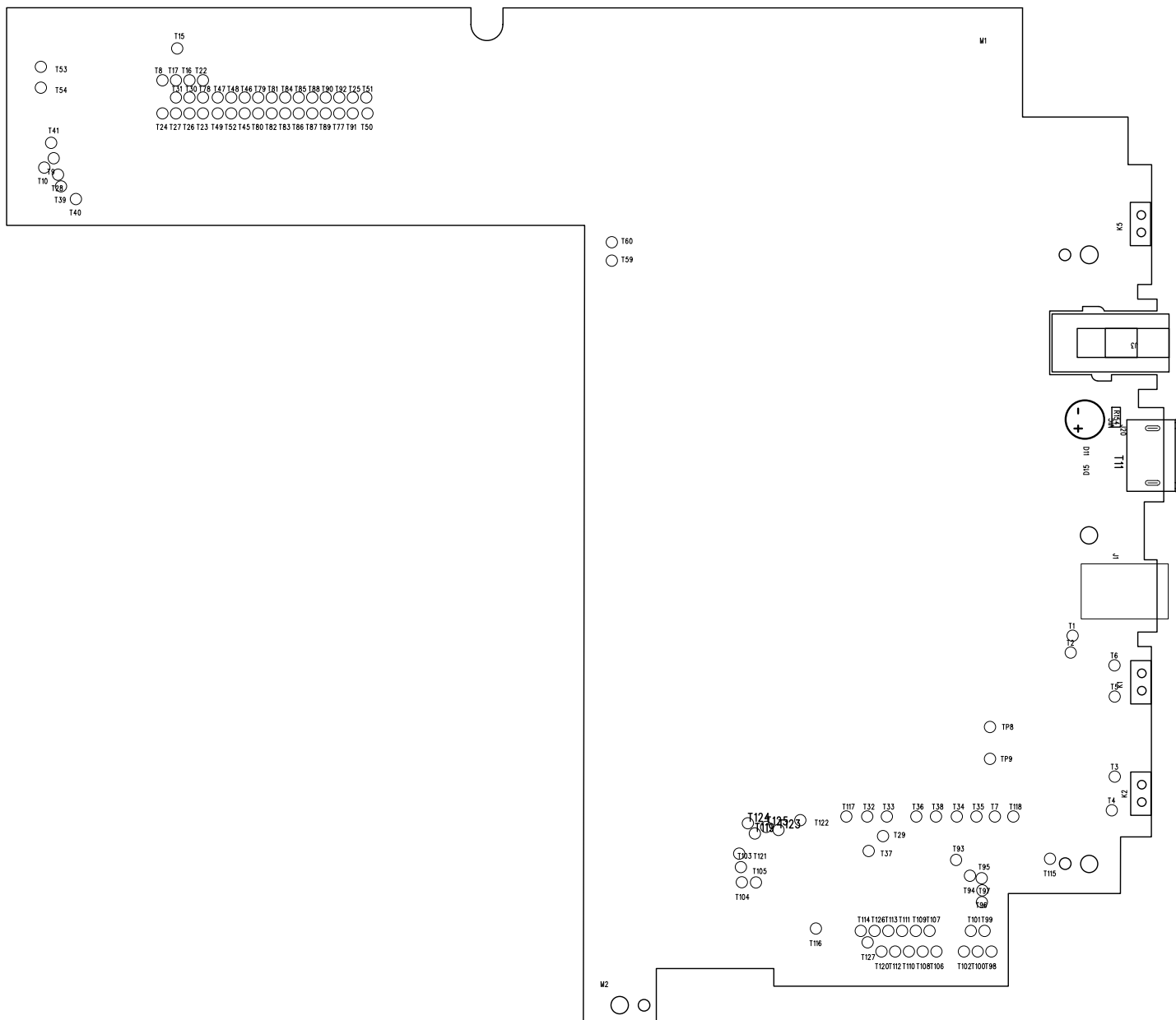
PMP3570C BOM

PN Code	Description		Unit	Qty	Remark
10-01151-0003501	Chip Capacitor	陶瓷,4.7uF,6.3V,X5R,±20%,0402 村田 ROHS	PCS	5	C266,C267,C275,C276,C277
150G-41400RS	Chip Capacitor	陶瓷,2.2uF,10V,X5R,±10%,0603 村田 RoHS	PCS	2	C86,C216
10-01141-0005401	Chip Capacitor	陶瓷, 4.7uF,10V,X7R,±10%,0603,Darfon RoHS	PCS	13	C4,C189,C198,C199,C209,C212,C213,C147,C148,C142,C171,C260,C269
10-01151-0001501	Chip Capacitor	陶瓷,10uF,10V X5R ±10% 0805 Darfon ROHS	PCS	22	C6,C35,C37,C116,C145,C164,C195,C197,C200,C201,C203,C210,C211,C214,C218,C297,C301,C175,C246,C253,C351,C366
150G-37001RS	Chip Capacitor	陶瓷,4.7uF,25V,X5R,±10% 0805 村田 ROHS	PCS	1	C157
150G-32201RS	Chip Capacitor	陶瓷,10uF,16V,X5R±10%.0805 村田 ROHS	PCS	5	C178,C188,C287,C333.C334
10-01141-0005501	Chip Capacitor	陶瓷 10uF 25V X7R ±10% 0805 Darfon ROHS	PCS	1	C166
188G-45600RS	Chip Ferrite Bead	BLM18AG601SN1,0603,村田 ROHS	PCS	3	FB3,FB9,L14
188G-24000RS	Chip Ferrite Bead	BLM15AG221SN, 200mA±25% 0402 ROHS	PCS	1	FB6
188G-37200RS	Chip Ferrite Bead	BLM18BD252SN1,50mA 2.5K AT 100MHz FeRRITE BEAD,0603 ROHS	PCS	2	FB8,FB10
10-01171-0001901	Chip Capacitor	RoHS	PCS	1	C365
08-01011-0005301	Chip Inductor	SWPA4018-2.2UH ROHS (MD专用) 华焱 编带 ROHS	PCS	6	L1,L2,L3,L6,L11,L17
08-01011-0003901	Chip Inductor	2.2uH,0603,0.7V, X5R,±20%,0402,编带 ROHS	PCS	1	L9
08-01081-0006401	电感/电源	2.2uH,0603,0.7V, X5R,±20%,0402,编带 ROHS	PCS	1	L8
230G-21901RS	Crystal	32.768KHz,Crystal,±20PPM,12.5pF,贴片型,EPSON MC-146(ROHS)	PCS	1	X2
230G-25202RS	Chip Crystal	24.0000MHz,Crystal,20PF,±10ppm,3.2*2.5 贴片型 ROHS	PCS	1	X1
480G-30501RS	Chip Diode	B5819W SOD-123 长天科技ROHS	PCS	4	D4,D18,D13,D14
481G-31900RS	Chip Transistor	BC848CW 100mA NPN sot323-3 编带 ROHS	PCS	1	Q11
480G-31600RS	Chip Diode	BAT54S,200mA,SOT-23(RoHS)	PCS	3	D7,D8,D9
04-01041-0001501	SMT zener diode	MM1Z18V SOD-123 ST品牌 编带 天旺 ROHS	PCS	1	DL5
480G-40400RS	SMT zener diode	MM1Z6V8,SOD123ROHS	PCS	1	D10
03-02011-0005801	Chip Mosfet	AO3423,P-MOSFET ID 1A VGS 0.9V SOT-23,编带 ROHS	PCS	3	Q6,Q14,Q15
03-02011-0005501	Chip Transistor	MMBT3904 SOT-23 MSV品牌 沛城ROHS	PCS	2	Q4,Q16
01-01011-0021101	IC SMT Form	CPU,A13,LQFP176 奇豪电子 ROHS	PCS	1	U1
01-01011-0011101	IC SMT Form	DDR3 H5TQ2G83CFR-H9C 78BALL FBGA 1333 盘装 ROHS	PCS	2	U7,U8
01-01021-0005101	IC SMT Form	FLASH BW29F64G08CFACA 8GB TSSOP48 BIWIN 托盘 ROHS	PCS	1	U17
01-01011-0021301	IC SMT Form	DC/DC.MT3410.ADJ.1.5MHZ,1.5A ROHS	PCS	2	U4,U13
01-01011-0021401	IC SMT Form	D类音频功放,TF6900M ROHS	PCS	1	U24
01-01011-0021801	IC SMT Form	LDO 2.8V 300mA SOT-25,LN1134A282MR 南麟电子 ROHS	PCS	1	U25
01-01011-0021901	IC SMT Form	LDO 1.8V 300mA SOT-25,LN1134A182MR 南麟电子 ROHS	PCS	1	U26
01-01011-0021501	IC SMT Form	背光驱动,MT9284-28J ROHS	PCS	1	U10
703G-98500RS	IC SMT Form	LP3301SJ5F,SOT-23-5,编带 ROHS	PCS	1	U12
01-01011-0021601	IC SMT Form	G-SENSOR.DMARD06.DFN-16.SMD ROHS	PCS	1	U29
01-01011-0021201	IC SMT Form	PMU,AXP209,QFN48 奇豪电子 ROHS	PCS	1	U2
01-01031-0018201	IC SMT Form	LP6218.SOT-23-6,编带 科创达 ROHS	PCS	1	U30
01-01031-0013701	IC SMT Form	时钟/日历芯片 AT8563,MSOP8,编带 ROHS	PCS	1	U11
01-01021-0006301	IC SMT Form	MODULE USB Wi-Fi RL-UM12BS-8188EUS-33 鲲鹏发 盘装 ROHS	PCS	1	J9
01-01011-0021701	IC SMT Form	USB限流IC,RT9702AGB, ROHS	PCS	1	U31
14-01011-0014401	SIMearphone socket	PJ-3106C,3.5耳机插座,1个定位柱,高4.0mm ROHS	PCS	1	J3
14-01011-0014501	SIM Card Socket	ECT/M-211-PJ,TF卡座 PUSH 外焊型,H=1.85mm,两定位柱 ROHS	PCS	1	J4
14-01011-0008001	SIM Card Socket	FPC,翻盖下接触,12pin,脚距0.5mm,H1.5mm,SMT ROHS	PCS	1	CON4
14-01011-0009401	SIM Card Socket	50Pin,P=0.5mm,H1.5mm,卧式,翻盖下接触,SMD ROHS	PCS	1	J14
14-01031-0001601	SIM Card Socket	FPC,翻盖下接触,24pin,脚距0.5mm,H1.5mm,SMT 迈斯康 ROHS	PCS	1	J11

PMP3570C BOM

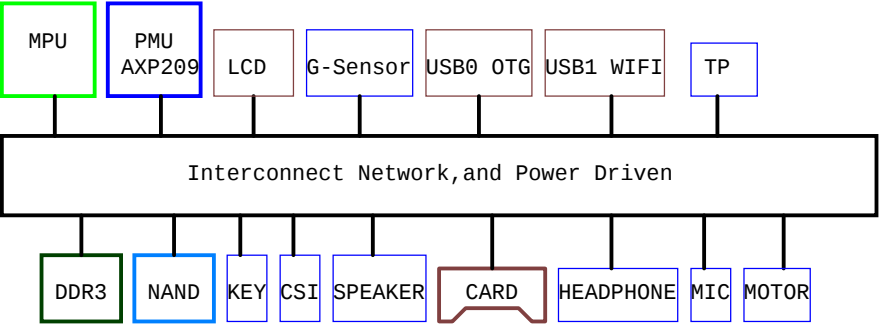
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14-01021-0001001	SIM DC Socket	ZDC-ACT05-0203, $\varnothing$ 2.5mm,贴片式,两定位柱,高3mm ROHS	PCS	1	J1
14-01031-0001501	SIM Card Socket	USB_US01705316-R(5PIN) ROHS	PCS	1	J20
15-01051-0000601	SMT touch switch	2.4mm SMT 平面 侧向按键 T1030-02 010 ROHS	PCS	3	K1,K2,K5
15-01051-0000701	SMT touch switch	T1030,贴片式, 5.2*5.2*高1.5mm,4pin脚 ROHS	PCS	1	K6
12-05024-0002801	PCB Main	M72Q2L PCB 4层板(A86_MB-LV3.1) 奇豪电子 ROHS	PCS	1	
09-01021-0001601	SMT piezoresistor	SDV1005H260C020YPTF 0402封装 顺络 ROHS	PCS	21	D5,D6,D11,D15,D20,D21,D22,D23,D24,D27,D28,D29,D31,D32,D33,R124,R125,R154,R180,R182,R187
11-01111-0001201	RALEC	8P4R,24 Ω , $\pm$ 5%,1/16W, 0402 ROHS	PCS	4	RN1,RN3,RN5,RN6
478G-37100RS	RALEC	排阻 8P4R,33 Ω , $\pm$ 5%, 1/16W, 0402ROHS	PCS	1	RN21
09-01091-0000301	Chip Ferrite Bead	MMZ1005D121CT,0402 编带 TDK ROHS	PCS	1	R245
478G-39000RS	Chip Resistor	普通,18K Ω , $\pm$ 1%, 1/16W, 0402 YAGEO (RoHS)	PCS	1	R274
188G-31500RS	Chip Ferrite Bead	BLM15BB221SN1D,200mA, $\pm$ 25% ,0402 村田 ROHS	PCS	1	R144





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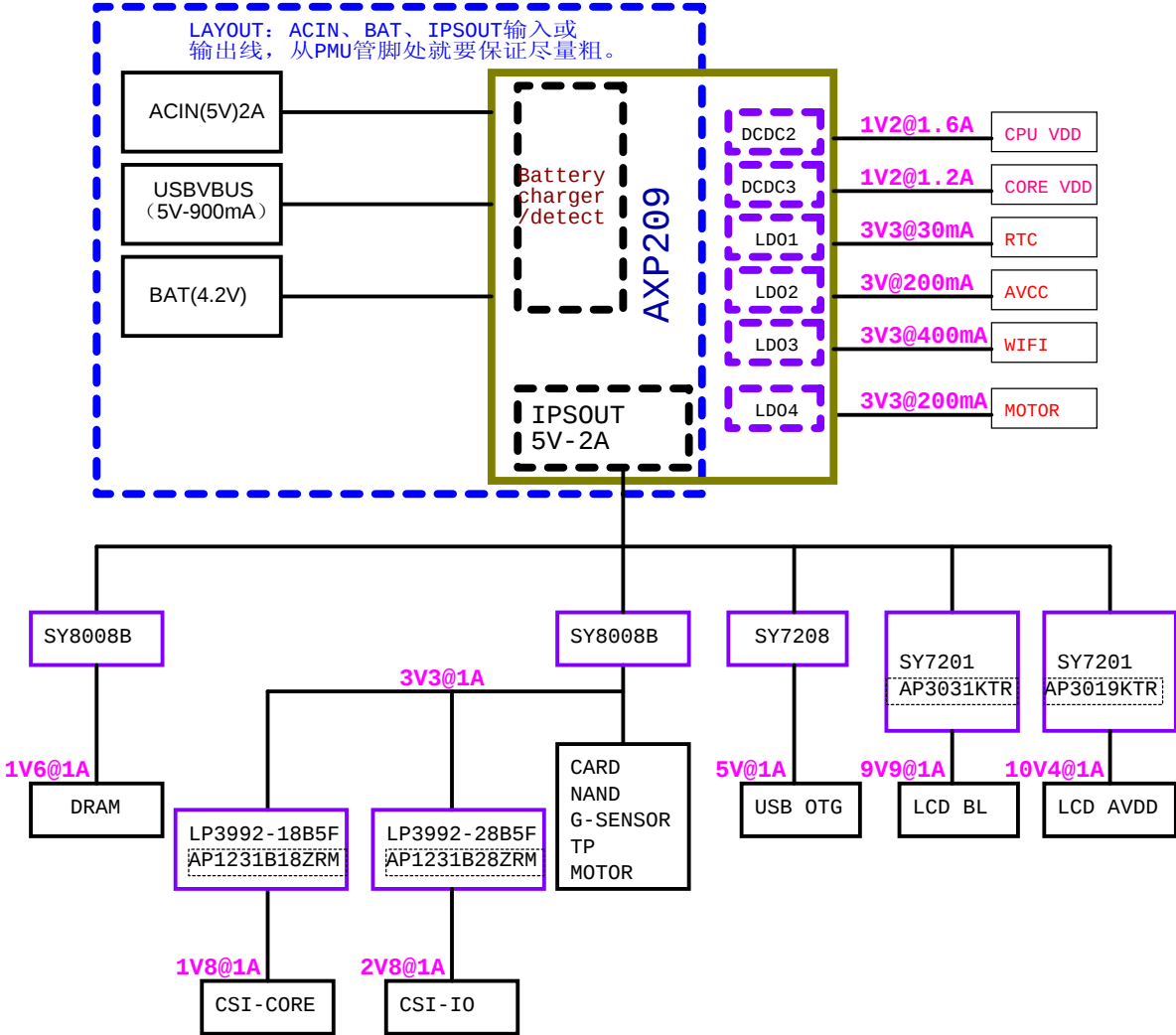


GPIO ASSIGNMENT

CPU	Define	Function
PB0	TWI0_SCK	TWI0
PB1	TWI0_SDA	
PB2	PWM0	LCD
PB3	GPIO-OUT	TP-WAKE-RST
PB4	NC	
PB10	GPIO-OUT	CSI-STY
PB15	TWI1_SCK	TWI1
PB16	TWI1_SDA	
PB17	TWI2_SCK	TWI2
PB18	TWI2_SDA	
PG0	INPUT	SD0-DET-N
PG1	GPIO-IN	USB0-VBUSDET
PG2	GPIO-IN	USB0-IDDET
PG3	UART-TX	UART-TX
PG4	UART-RX	UART-RX
PG9	GPIO-OUT	MT-EN
PG10	GPIO-OUT	PA-SHDN
PG11	EINT	TP-INT
PG12	GPIO-OUT	USB0-DRV
PMU	Define	Function
GPIO0	GPIO-OUT	LCD-PWR
GPIO1	GPIO-OUT	LCD-BL-EN
GPIO2	GPIO-OUT	CSI-PWR-EN
GPIO3	GPIO-OUT	CSI-RST

特别提醒:
1: PG0 / PG1 / PG2这三个PIN脚只具有INPUT/中断/专有功能
2: PMU的GPIO0/1/2/3这四个PIN脚只做GPIO-OUTPUT功能
3: PG10 / PG11 / PG12这三个PIN脚的功能不可改变

POWER TREE



REVISION HISTORY

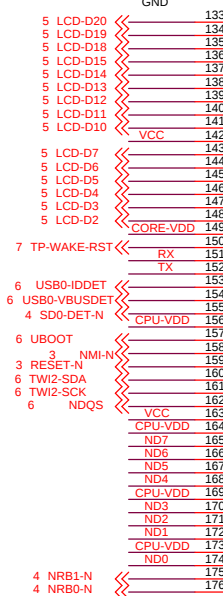
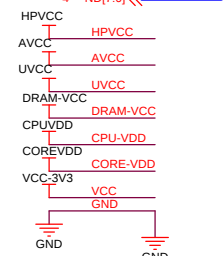
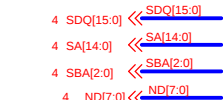
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APP3_PAD_DDR3_V1_10	version 1.10		CPL		



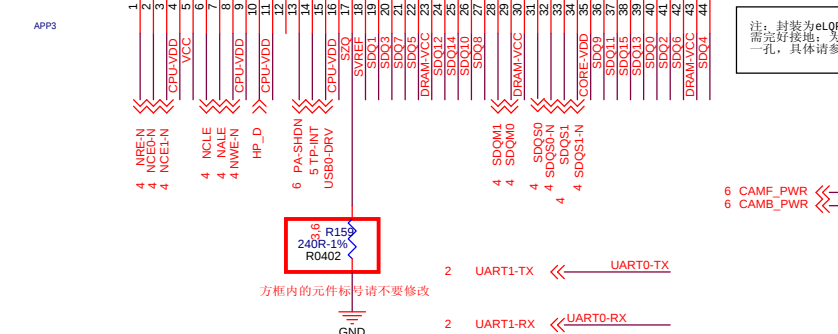
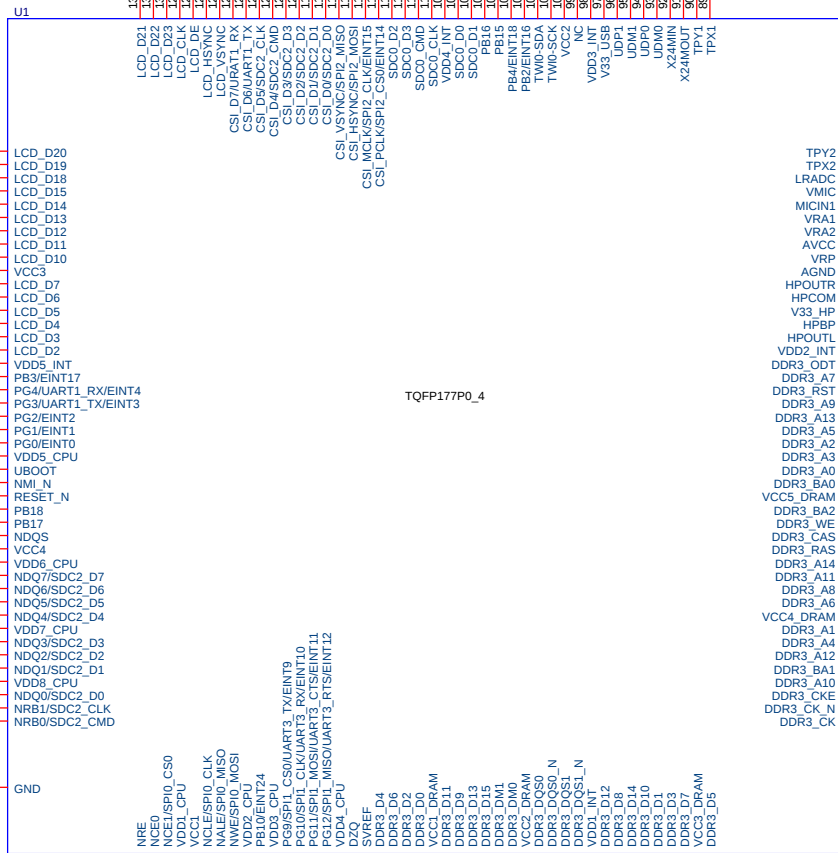
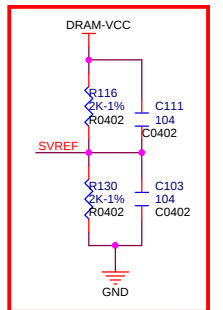
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Size	Document Number				Rev
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Date:	Saturday, November 10, 2012		Sheet	1	of 14

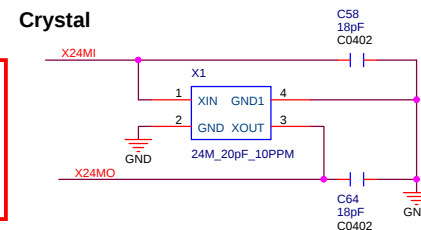
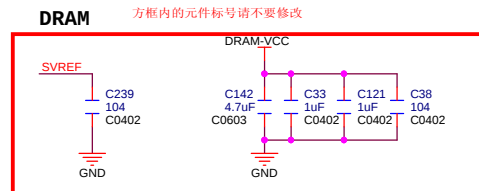
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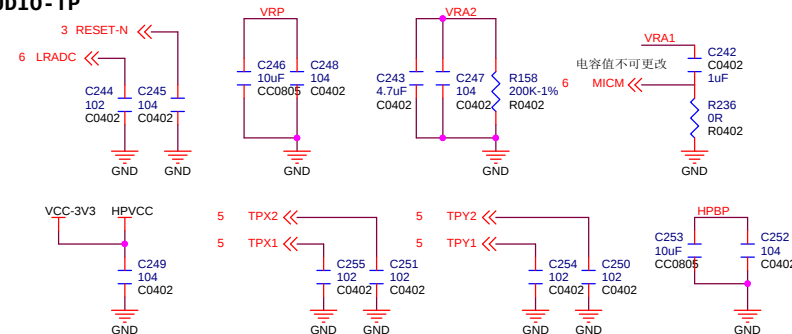
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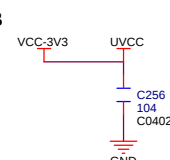
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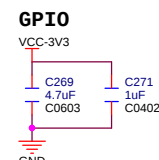
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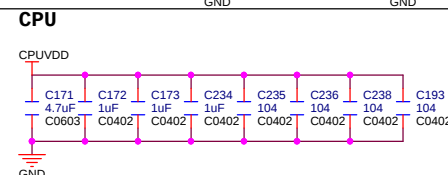
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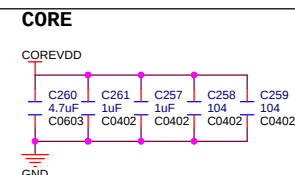
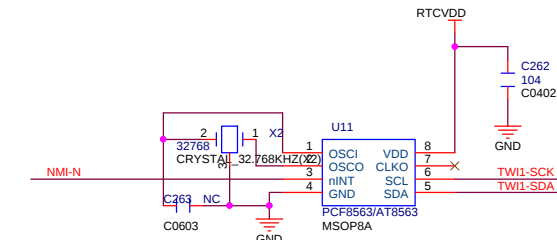
GPIO



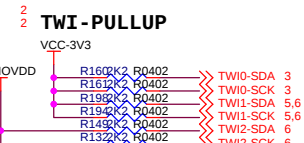
CPU



CORE

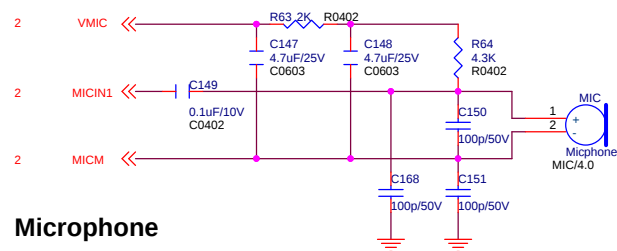
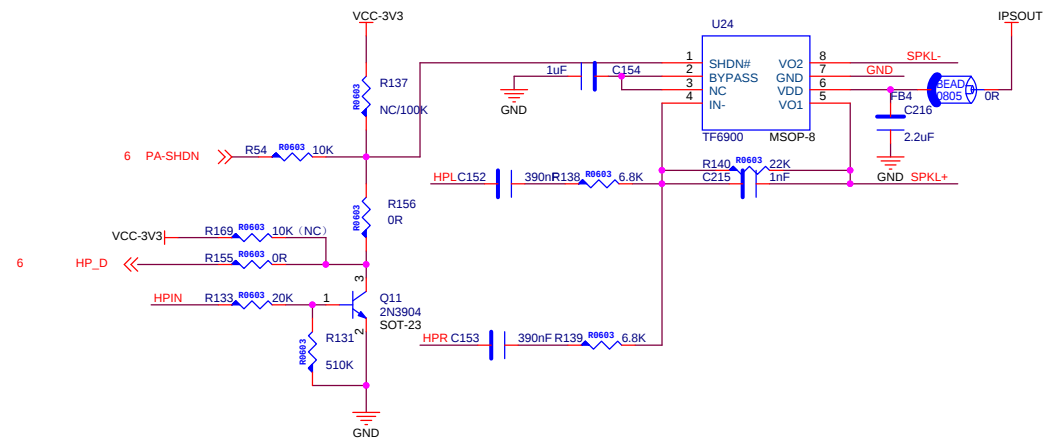
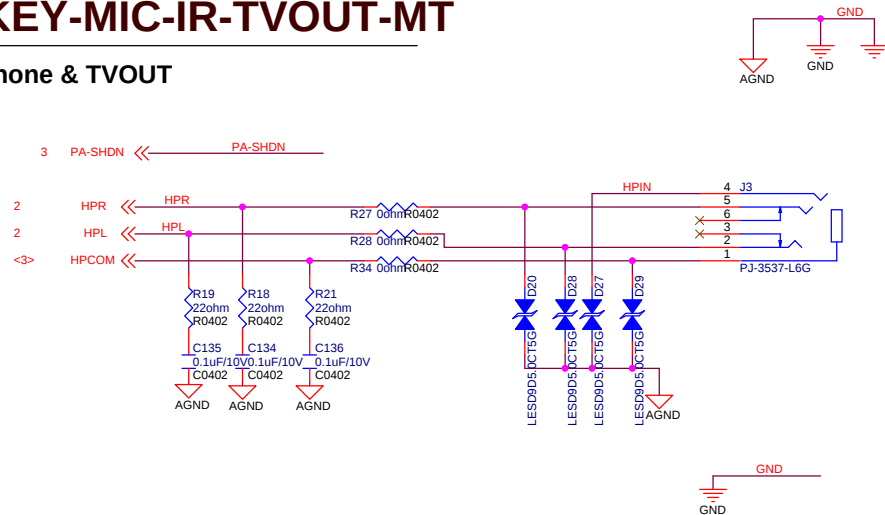
**RTC**

TWT-PIII IUP

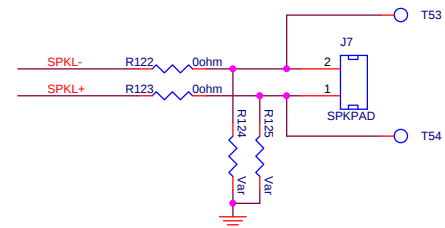


注：封装为eLQFP176，肚皮为GND，需完好接地；为方便维修，请在PCB上打一孔，具体请参照原厂的PCB layout指导

Head Phone & TVOUT

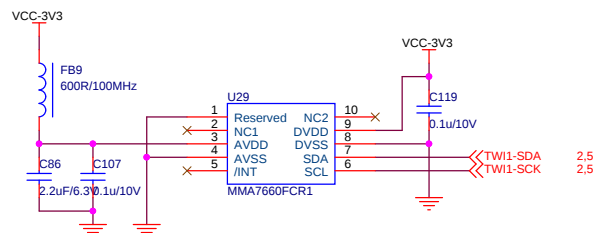


Microphone

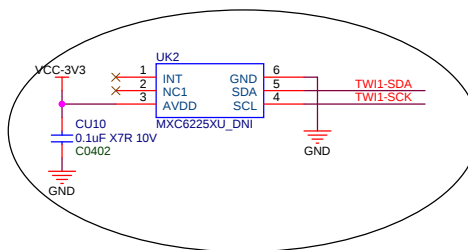


Audio AMP

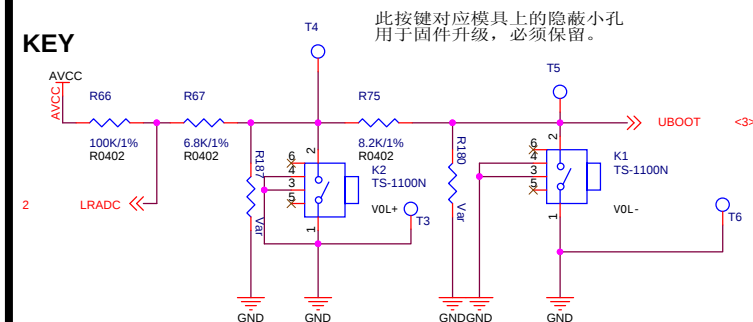
G - SENSOR



G-sensor



KEY



此按键对应模具上的隐蔽小孔
用于固件升级，必须保留。

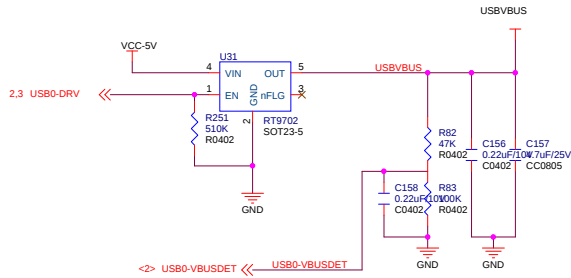


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Title		
08 HP-KEY-MIC-IR-TVOUT-MT		
Size A3	Document Number A702_MB	Rev V1.0
Date:	Saturday, November 10, 2012	Sheet 8 of 14

USB-CARD-DEBUG-WIFI

USB

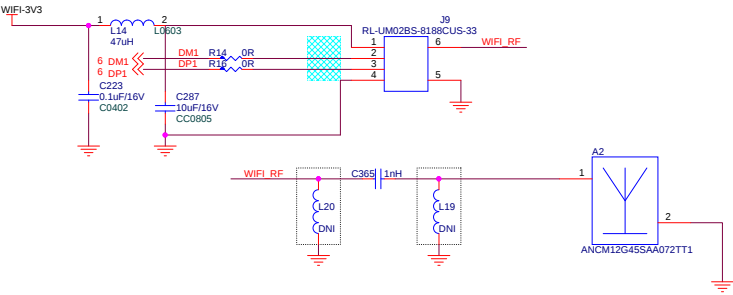


USB-OTG

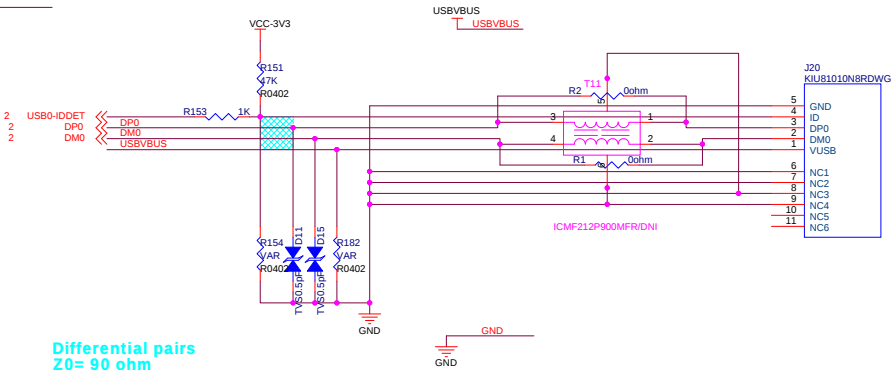
Differential pairs
Z0= 90 ohm



USB WIFI



Differential pairs
Z0= 90 ohm

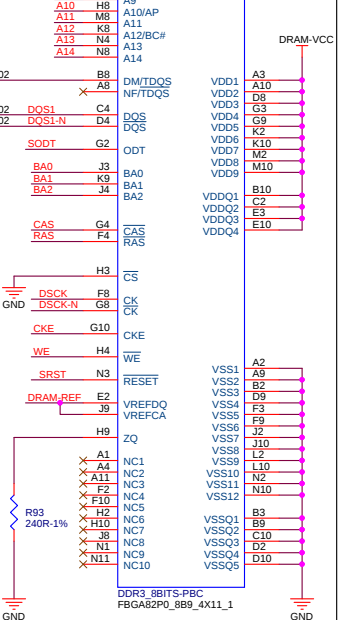


Differential pairs
Z0= 90 ohm

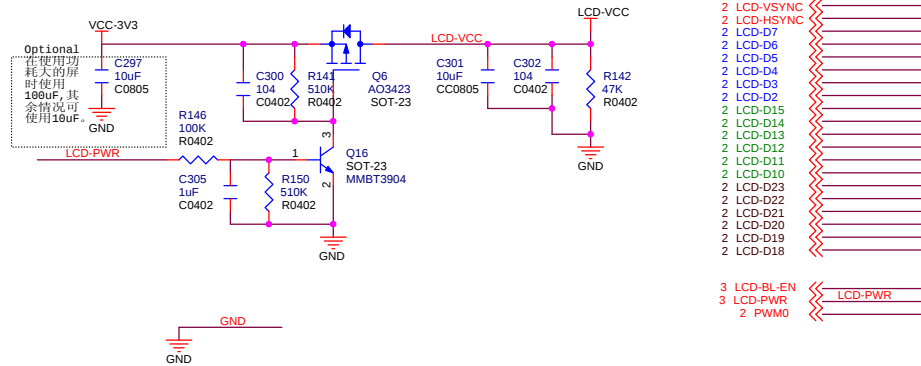
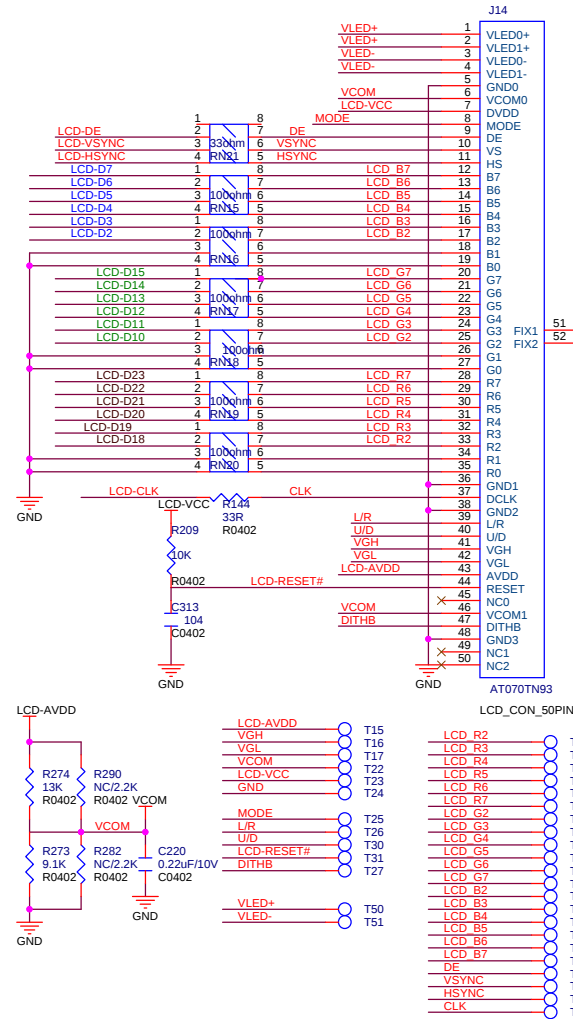
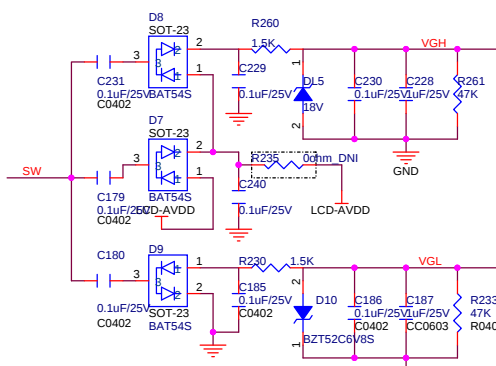
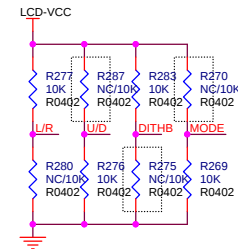
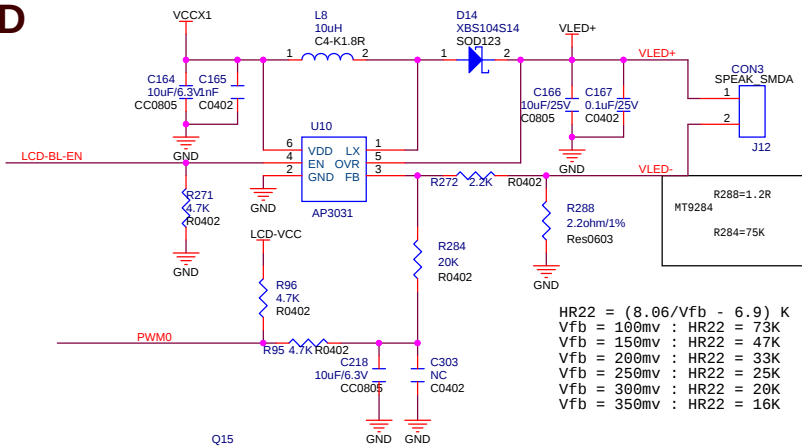
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09 USB-CARD-G SENSOR			
Size	Document Number	Rev	
Customer	702_MB	V1.0	
Date:	Saturday, November 10, 2012	Sheet	9 of 14

DDR3

2	SDQ[15:0]	SDQ[15:0]
2	SA[14:0]	SA[14:0]
2	SBA[2:0]	SBA[2:0]
2	SRST	SRST
2	SODT	SODT
2	SCK	SCK
2	SCK-N	SCK-N
2	SDQM0	SDQM0
2	SDQM1	SDQM1
2	SWE	SWE
2	SRAS	SRAS
2	SCAS	SCAS
2	SCKE	SCKE
2	SDQS0	SDQS0
2	SDQS0-N	SDQS0-N
2	SDQS1	SDQS1
2	SDQS1-N	SDQS1-N



LCD



- M1
- M2
- M3
- M4

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11 LCD

Size: Custom

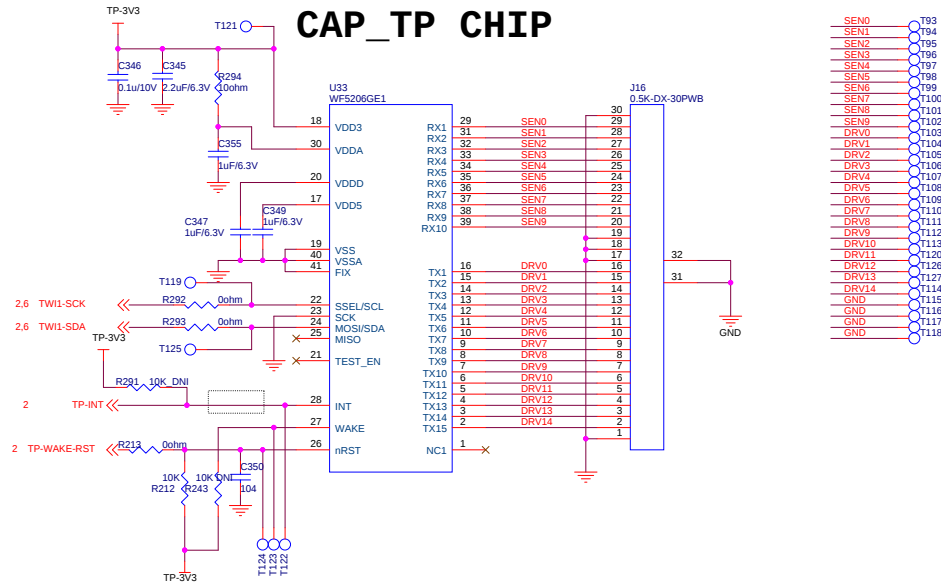
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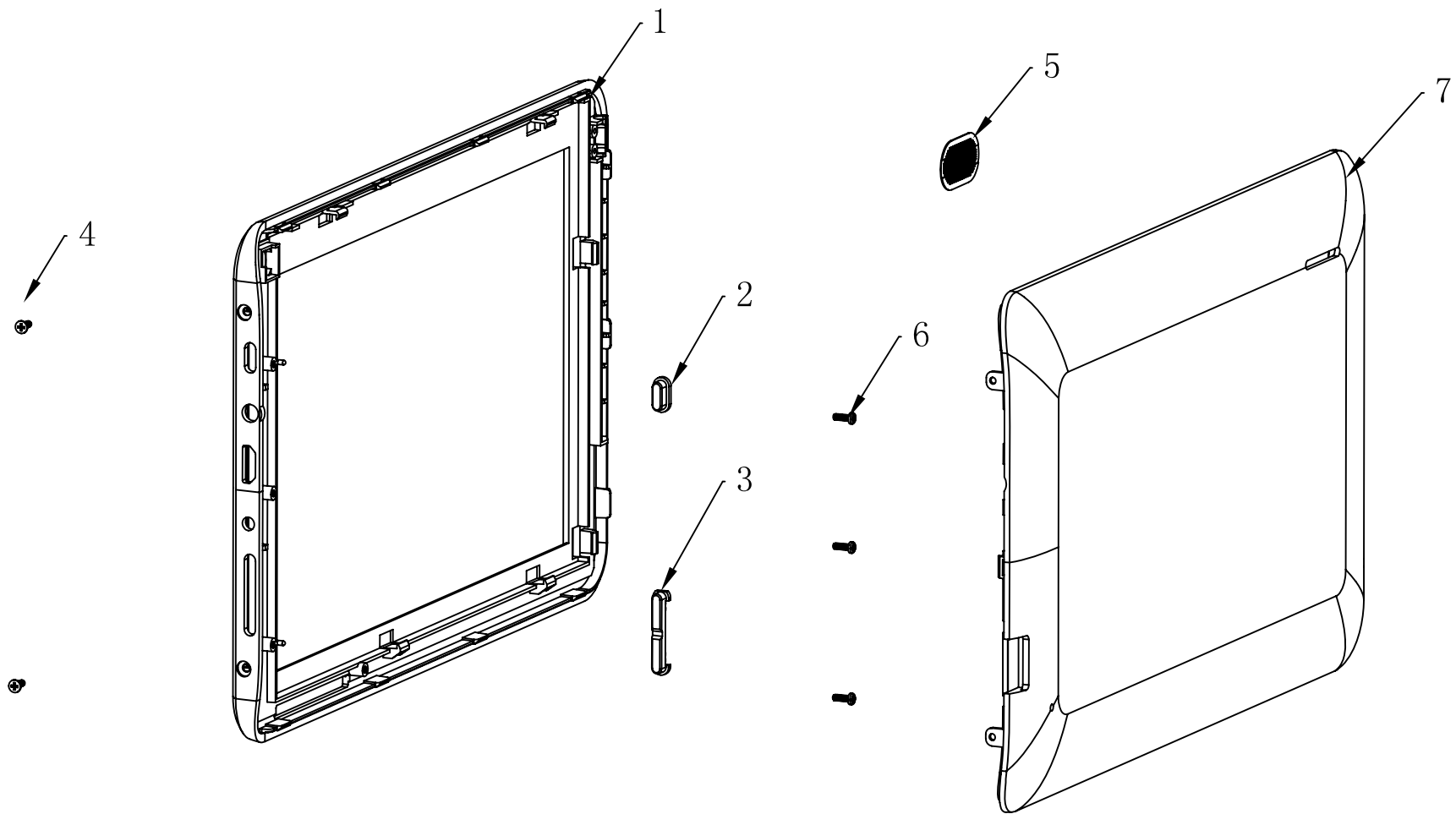
Document Number: A702_MB

Sheet: 11 of 14

Rev: V1.0

CAP_TP CHIP





7	底壳		黑色	ABS	1PCS							版本	A0
6	螺丝	PB1.4*4.0*2.5	黑色	碳钢	3PCS								
5	喇叭网		银色	尼龙网	1PCS								
4	螺丝	KA1.4*5*2.8	黑色	碳钢	2PCS		部品编号		视图方向		日期	2013-01-23	
3	音量键		黑色	ABS	1PCS		部品名称	M718装配图	比例	1:1	设计	李观南	
2	电源键		黑色	ABS	1PCS		材质		单位	M M	审图		
1	面壳		黑色	ABS	1PCS		表面处理		图纸大小	A4	批准		
序号	部品名称	部品编号	型号/规格	材质	数量	备注							