

				DATE	07.07.2006	Obsidian B2 Board -Q3340-E2 V1, 900, w FM TOP HIERARCHY LEVEL SCHEMATIC	1:1
				USER	Bartenschlag		
				APPRD			
					PH RD IND LPM		
					BENQ mobile	286763	index
1	40140	07.07.2006	bar				
VERS.	CHANGE NUMBER	DATE	NAME			( Created by BOM number: A5B00920100641-40140 )	

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	1	2	3	4	5	6	7	8	9	10				
A	1.5V_DSP /sheet13 12 A /sheet11 10 C	AC_TX /sheet15 13 E /sheet10 13 C	/sheet13 4 C  BOOST_OUT /sheet13 6 C /sheet13 11 E	/sheet10 5 B /sheet35 10 C	/sheet12 5 E  DB_ETMCLK /sheet10 3 E	/sheet10 3 C /sheet22 11 C	HW_DET_MOB_TYPE3 /sheet10 4 E /sheet10 3 A	/sheet27 5 E  KP_IN5_OUT6 /sheet10 5 G /sheet27 1 B	/sheet48 5 E  MMC_VCC /sheet48 3 B /sheet48 8 A /sheet48 6 A	/sheet59 12 D  PM_WADOG /sheet13 2 D /sheet10 6 B	/sheet4 12 C /sheet59 11 E	TX /sheet15 9 E /sheet15 11 B	/sheet11 4 A  VDD_BT /sheet13 1 G /sheet13 8 C /sheet13 2 G /sheet51 4 B /sheet51 2 A	A
	1.5V_UC /sheet13 11 A /sheet11 10 C /sheet11 7 A	ADV /sheet10 6 G /sheet12 15 E /sheet12 6 B	BREF /sheet10 15 B /sheet10 12 B	CAM_DAT5 /sheet10 5 B /sheet35 10 C	DB_ETMSYNC /sheet10 4 E	DISP_RD /sheet10 3 C /sheet22 11 C	HW_DET_MOB_TYPE4 /sheet10 4 E /sheet10 3 B	KP_OUT0 /sheet11 2 C /sheet10 5 G /sheet27 1 C	MMC_VCC_EN /sheet10 6 G /sheet48 3 A	PM_WADOG2 /sheet13 2 D	RTS /sheet15 11 A /sheet15 9 E	USB_D+ /sheet15 11 D /sheet10 13 C	VDD_BT_RF2 /sheet51 5 B /sheet51 1 A	
	1.8V_MEM1 /sheet13 1 F /sheet13 8 B /sheet13 2 F /sheet11 9 D /sheet12 8 E	AKKU_TYP /sheet14 7 C /sheet10 11 B	BT_CTS /sheet10 14 D /sheet51 2 C	CAM_DAT6 /sheet10 5 B /sheet35 10 C	DB_RTCK /sheet10 3 D	DISP_RESET1 /sheet10 3 D /sheet22 11 B	I2C_2_CLK /sheet10 8 B /sheet35 4 C	KP_OUT1 /sheet10 5 G /sheet27 1 C	MON1 /sheet10 3 D	POWER /sheet15 11 B /sheet13 1 G /sheet13 2 G /sheet13 10 G	RX /sheet15 11 B /sheet15 9 E	USB_D- /sheet15 11 D /sheet10 13 C	VDD_CHARGE /sheet13 2 D /sheet13 10 G	
B	1.8V_MEM2 /sheet13 8 B /sheet13 1 G /sheet13 8 C /sheet13 2 G /sheet12 8 E /sheet12 6 C /sheet12 8 F /sheet12 5 B /sheet12 7 B /sheet12 11 C	B6 /sheet12 5 C	BT_PCM_IN /sheet10 14 E /sheet51 2 C	CAM_PCLK /sheet10 5 B /sheet35 4 B	DB_TDO /sheet10 3 D	DVDD_CAMERA /sheet35 10 E /sheet35 4 B	I2C_CLK /sheet13 3 F /sheet10 14 E /sheet18 9 C	KP_OUT2 /sheet10 6 G /sheet27 1 C	MONO1_LP_OUT /sheet13 7 E /sheet13 3 E	RAS /sheet10 6 G /sheet12 15 E /sheet12 6 C	SDCLKI /sheet10 7 G /sheet12 7 C	USB_MODE /sheet15 11 D /sheet13 8 B	VDD_FM_FM /sheet18 4 A /sheet18 9 B	B
	2.65V /page1 2 C /sheet15 11 E /sheet13 8 B /sheet13 1 G /sheet13 3 D /sheet13 2 G /sheet11 2 B /sheet11 4 A /sheet11 9 B /sheet11 7 B /sheet11 4 A /sheet11 4 A /sheet10 12 A /sheet10 2 A /sheet10 2 C /sheet10 15 D /sheet51 3 A /sheet51 4 B /sheet51 5 B /sheet22 11 B /sheet18 3 A	BATT+ /sheet14 7 C /sheet14 7 C /sheet13 1 A /sheet13 3 E /sheet13 2 B /sheet13 1 G /sheet13 12 G /sheet13 2 G /sheet10 15 F /sheet21 7 C /sheet48 4 A /sheet35 7 D /sheet59 5 F /sheet59 3 G	BT_PCM_OUT /sheet10 14 E /sheet51 2 C	CAM_VSYNC /sheet10 5 B /sheet35 10 C	DB_TMS /page1 3 C /sheet10 3 D	F32K /sheet10 2 F	I2C_DAT /sheet13 3 F /sheet10 14 E /sheet18 9 C	LCD_BCKLT /sheet13 3 F /sheet13 8 E /sheet13 2 G /sheet22 11 B	MONO1_OUT /sheet17 7 A /sheet13 8 E /sheet13 2 G /sheet13 1 G	RD /sheet10 7 G /sheet12 15 E /sheet12 6 B	SDCLKO /sheet10 6 G /sheet12 7 C	VAFL /sheet13 2 E /sheet10 11 A /sheet18 9 A	VDD_RF1 /sheet13 2 G /sheet13 8 C /sheet13 1 G /sheet4 12 C /sheet59 15 D /sheet59 8 B /sheet59 9 B	
	BATT+_F /sheet15 11 E /sheet13 3 B /sheet13 3 A /sheet13 3 B /sheet13 3 C /sheet13 2 G /sheet13 1 G /sheet13 3 C /sheet13 3 C /sheet13 2 A /sheet27 2 C	BT_RESET /sheet13 7 D /sheet51 2 D	CAS /sheet10 6 G /sheet12 15 E /sheet12 6 C	DB_TRACEPKT4 /sheet10 4 E	FEMC2 /sheet59 4 D /sheet59 8 E	I2S2_CLK1_RX /sheet13 3 F /sheet10 14 E	MIC1A /sheet10 10 A /sheet19 7 B	MIC1B /sheet10 9 A /sheet19 7 B	OSC32K /sheet10 2 F	RF_AFC /sheet10 2 F /sheet4 12 C /sheet59 15 C	SENSE_IN2 /sheet13 12 G /sheet13 2 D	VAUDREGA /sheet13 3 E /sheet13 2 G /sheet13 1 G /sheet13 8 C /sheet13 3 C	VDD_RF2 /sheet13 8 C /sheet13 2 G /sheet13 1 G /sheet72 7 C /sheet4 12 D /sheet59 7 B /sheet59 10 B /sheet59 8 B /sheet59 5 F /sheet59 15 D /sheet59 7 F	
C	2.9V /sheet13 8 B /sheet13 1 G /sheet13 2 G /sheet11 7 A /sheet11 7 A /sheet23 5 B /sheet51 5 B /sheet28 6 A /sheet22 11 B /sheet59 10 B	BB_SIN26M /sheet10 2 F /sheet4 12 C /sheet59 12 D	BT_VC XOEN /sheet13 2 D /sheet51 2 D	CS0_FLASH /sheet10 7 G /sheet12 15 F /sheet12 6 B	DISP_CS1 /sheet10 3 C /sheet22 11 B	FM_DATA_EXIST /sheet10 14 D /sheet18 9 B	I2S2_TX /sheet13 8 F /sheet10 14 E	MICBIAS_F /sheet15 11 C /sheet19 7 A /sheet19 6 C	PHANTOM_BUF_OUT /sheet15 11 B /sheet13 7 E	RF_CLK /sheet10 8 B /sheet4 12 C /sheet59 11 E	SIM_IO /sheet16 10 C /sheet10 13 C	VBOOST /sheet13 1 G /sheet13 2 G /sheet13 12 C /sheet13 12 D /sheet27 2 C /sheet22 11 B	VDD_RTC /sheet13 2 C /sheet13 1 G /sheet13 2 G /sheet13 8 B /sheet13 1 G	C
	A(0:24) /sheet10 12 G /sheet12 15 E /sheet12 6 D /sheet12 3 D	BC0 /sheet10 7 G /sheet12 15 E /sheet12 6 D	C5,D3,D7 /sheet12 5 E	CS2_FLASH /sheet10 8 G /sheet12 15 F /sheet12 6 B	DISP_D1 /sheet10 3 C /sheet22 11 B	FM_IN /sheet15 4 B /sheet18 2 C	I2S2_WA0_TX /sheet13 8 F /sheet10 14 F	MICEA /sheet15 11 B /sheet10 10 A	PM_CHARGE_UC /sheet13 2 D /sheet10 7 B	RF_DAT /sheet10 8 B /sheet4 12 C /sheet59 11 E	SIM_RST /sheet16 10 C /sheet10 13 C	VBUCK /sheet13 1 G /sheet13 2 G /sheet13 12 A	VDD_USB /sheet13 8 B /sheet13 1 H /sheet13 2 H /sheet11 7 A	
	AC_CTS /sheet15 13 E /sheet10 14 C	BFCLKI /sheet10 7 G /sheet12 7 B	CAM_CLKOUT /sheet10 6 A /sheet35 4 C	CS3_MEMORY /sheet10 8 G /sheet12 6 B	DISP_D3 /sheet10 3 C /sheet22 11 C	HW_DET_BAND_SEL /sheet10 2 B /sheet10 3 E	KP_IN1 /sheet10 5 G /sheet27 1 C	MMCI_CD /sheet10 13 B /sheet10 13 F /sheet48 3 C	PM_RESET_N /sheet13 7 C /sheet10 3 F	RF_IX /sheet10 9 B /sheet4 12 B /sheet59 11 D	STEREO1_OUT /sheet15 11 B /sheet13 7 E	VBUCK_FB /sheet13 10 A /sheet13 2 C	VDD_SIM /sheet16 10 C /sheet13 8 B /sheet13 2 G /sheet13 1 G	
D	AC_DCD /sheet15 13 E /sheet10 6 B	BOOST_FB /sheet13 4 C /sheet13 12 E	CAM_DAT0 /sheet10 4 B /sheet35 10 B	CTS /sheet15 11 A /sheet15 9 E	DISP_D4 /sheet10 3 C /sheet22 11 C	HW_DET_BLUETOOTH /sheet10 2 A /sheet10 3 E	KP_IN2 /sheet10 5 G /sheet27 1 C	MMCI_CMD /sheet10 12 B /sheet48 3 C	PM_INT /sheet13 7 F /sheet10 14 E	RF_I /sheet10 9 B /sheet4 12 B /sheet59 11 D	SLI_LED /sheet13 7 D /sheet24 3 B	VBUCK_LX /sheet13 10 A /sheet13 6 B /sheet13 2 G /sheet13 1 G	VDD_VIBRA /sheet13 8 B /sheet13 2 H /sheet13 1 H /sheet21 4 C	D
	AC_RTS /sheet15 13 E /sheet10 14 C	BOOST_IFB_N /sheet13 11 E /sheet13 4 G	CAM_DAT1 /sheet10 5 B /sheet35 10 B	D(0:15) /sheet10 10 G /sheet12 15 B /sheet12 3 D	DISP_D2 /sheet10 3 C /sheet22 11 C	HF_OUT /sheet72 2 B /sheet59 2 B	KPD_BCKLT /sheet27 1 B /sheet28 8 B	MMCI_CLK /sheet10 13 B /sheet48 3 C	PM_RF2_EN /sheet13 2 C /sheet10 7 B	RF_Q /sheet10 9 B /sheet4 12 B /sheet59 11 D	STEREO2_OUT /sheet15 11 B /sheet13 7 E	VCC_LIGHT /sheet27 2 C	VMICP /sheet10 10 A /sheet19 8 C	
	AC_RX /sheet15 13 E /sheet10 14 C	BOOST_IFB_P /sheet13 11 E	CAM_DAT2 /sheet10 5 B /sheet35 10 B	D(3) /page1 3 C	DISP_D6 /sheet10 3 C /sheet22 11 C	HW_DET_MOB_TYPE2 /sheet10 4 E /sheet10 3 A	KP_IN4 /sheet10 5 G /sheet27 1 C	MMCI_DAT1 /sheet10 12 B /sheet48 5 D	PM_RTC_INT /sheet13 2 C /sheet10 4 F	RF_RAMP1 /sheet10 9 A /sheet4 12 C /sheet59 7 E	TVCXO /sheet10 15 A /sheet10 11 B /sheet4 12 B /sheet59 15 C	VDD_AFC /sheet13 1 G /sheet13 2 G /sheet13 8 C	VREFEXS_GND /sheet13 2 E /sheet13 4 F	
E	AC_TXS /sheet15 13 E /sheet10 14 C	BOOST_IFB_N /sheet13 11 E /sheet13 4 G	CAM_DAT3 /sheet10 5 B /sheet35 10 C	D(3) /page1 3 C	DISP_D7	HW_DET_MOB_TYPE1 /sheet10 2 A /sheet10 3 E	KP_IN3 /sheet10 5 G /sheet27 1 C /sheet27 5 D	MMCI_DAT2 /sheet10 12 B	PM_SIN26M /sheet13 3 E /sheet4 12 C	RF_STR /sheet10 8 B	TVCXO /sheet10 15 A /sheet10 11 B /sheet4 12 B /sheet59 15 C	VDD_AFC /sheet13 1 G /sheet13 2 G /sheet13 8 C	VREFEXS_GND /sheet13 2 E /sheet13 4 F	E
	AC_RXS /sheet15 13 E /sheet10 14 C	BOOST_IFB_P /sheet13 11 E	CAM_DAT4	D4,D6,J4,J6	DISP_D7	HW_DET_MOB_TYPE2 /sheet10 4 E /sheet10 3 A	KP_IN4 /sheet10 5 G /sheet27 1 C	MMCI_DAT2 /sheet10 12 B	PM_SIN26M /sheet13 3 E /sheet4 12 C	RF_STR /sheet10 8 B	TVCXO /sheet10 15 A /sheet10 11 B /sheet4 12 B /sheet59 15 C	VDD_AFC /sheet13 1 G /sheet13 2 G /sheet13 8 C	VREFEXS_GND /sheet13 2 E /sheet13 4 F	
	AC_TXS /sheet15 13 E /sheet10 14 C	BOOST_IFB_P /sheet13 11 E	CAM_DAT4	D4,D6,J4,J6	DISP_D7	HW_DET_MOB_TYPE2 /sheet10 4 E /sheet10 3 A	KP_IN4 /sheet10 5 G /sheet27 1 C	MMCI_DAT2 /sheet10 12 B	PM_SIN26M /sheet13 3 E /sheet4 12 C	RF_STR /sheet10 8 B	TVCXO /sheet10 15 A /sheet10 11 B /sheet4 12 B /sheet59 15 C	VDD_AFC /sheet13 1 G /sheet13 2 G /sheet13 8 C	VREFEXS_GND /sheet13 2 E /sheet13 4 F	
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				DATE	07.07.2006	Obsidian B2 Board -Q3340-E2 V1, 900, w FM TOP HIERARCHY LEVEL SCHEMATIC		1:1
				USER	Bartenschlag			
				APPR'D				
				PH RD IND LPM		BENQ mobile		netlist1
1	40140	07.07.2006	bar			286763		
VERS.	CHANGE NUMBER	DATE	NAME	( Created by BOM number: A5B00920100641-40140 )				

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1		2		3		4		5	
<div>WAIT</div> <div>/sheet10 6 G</div> <div>/sheet12 7 B</div> <div>WR</div> <div>/sheet10 7 G</div> <div>/sheet12 15 E</div> <div>/sheet12 6 B</div> <div>/sheet12 6 C</div>									
				DATE	07.07.2006	Obsidian B2 Board -Q3340-E2 V1, 900, w FM TOP HIERARCHY LEVEL SCHEMATIC			1:1
				USER	Bartenschlag				
				APPR'D					
				PH RD IND LPM					
				BENQ mobile		286763			netlist2
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VERS.	CHANGE NUMBER	DATE	NAME	( Created by BOM number: A5B00920100641-40140 )					

1		2		3		4		5		6			
7		8		9		10							
A	C1000 /sheet10 2 E	C1320 /sheet13 3 D	C1822 /sheet18 5 C	C5933 /sheet59 1 C	R1024 /sheet10 15 D	R2216 /sheet22 10 B	TP5901 /sheet59 11 D						
	C1001 /sheet10 2 F	C1322 /sheet13 3 D	C1823 /sheet18 5 D	C5934 /sheet59 7 B	R1025 /sheet10 15 D	R2310 /sheet23 5 B	TP5933 /sheet59 5 E						
	C1002 /sheet10 1 F	C1325 /sheet13 3 E	C1824 /sheet18 4 C	C5935 /sheet59 8 B	R1037 /sheet10 6 A	R2311 /sheet23 7 C	TP5932 /sheet59 6 G						
	C1003 /sheet10 1 F	C1326 /sheet13 6 B	C1825 /sheet18 5 D	C5936 /sheet59 3 D	R1038 /sheet10 12 A	R2312 /sheet23 5 C	V1302 /sheet13 11 A						
	C1004 /sheet10 8 A	C1327 /sheet13 7 A	C1826 /sheet18 6 D	C5937 /sheet59 3 D	R1039 /sheet10 12 A	R2417 /sheet24 3 B	V1305-2 /sheet13 10 G						
	C1005 /sheet10 7 A	C1329-2 /sheet13 6 A	C1901 /sheet19 5 B	C5939 /sheet59 5 E	R1040 /sheet10 6 B	R2704 /sheet27 2 C	V1305-1 /sheet13 11 G						
	C1008 /sheet10 15 E	C1329-1 /sheet13 6 A	C1902 /sheet19 5 B	C5940 /sheet59 4 F	R1041 /sheet10 2 A	R2705 /sheet27 2 C	V1376 /sheet13 11 E						
	C1009 /sheet10 15 E	C1330-1 /sheet13 6 A	C1904 /sheet19 5 C	C5941 /sheet59 4 F	R1045 /sheet10 2 B	R2706 /sheet27 2 B	V1400 /sheet14 5 C						
	C1011 /sheet11 7 E	C1330-2 /sheet13 6 A	C1930 /sheet19 8 C	C5942 /sheet59 5 F	R1046 /sheet10 3 A	R2707 /sheet27 2 B	V1800 /sheet18 6 D						
	C1012 /sheet10 6 B	C1332-1 /sheet13 8 A	C1931 /sheet19 7 C	C5943 /sheet59 2 F	R1047 /sheet10 3 B	R2708 /sheet27 2 C	V1801 /sheet18 6 D						
B	C1013 /sheet10 15 G	C1332-2 /sheet13 7 A	C2100 /sheet21 5 C	C5944 /sheet59 8 B	R1048 /sheet10 3 A	R2709 /sheet27 2 C	V2100 /sheet21 6 C						
	C1037 /sheet10 5 A	C1333 /sheet13 6 E	C2102 /sheet21 6 C	C5945 /sheet59 8 B	R1049 /sheet10 3 B	R2710 /sheet27 2 C	V2300-1 /sheet23 7 C						
	C1038 /sheet10 6 A	C1334 /sheet13 6 E	C2201 /sheet22 8 D	C5946 /sheet59 9 B	R1050 /sheet10 2 A	R2711 /sheet27 4 D	V2300-2 /sheet23 5 C						
	C1039 /sheet10 4 G	C1338 /sheet13 8 A	C2203 /sheet22 9 D	C5947 /sheet59 9 B	R1051 /sheet10 3 B	R2712 /sheet27 4 E	V2302 /sheet23 5 D						
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C	C1075 /sheet10 10 B	C1348 /sheet13 8 E	C2210 /sheet22 6 D	C5959 /sheet59 14 D	R1100 /sheet11 3 C	R3539 /sheet35 6 E	X1300 /sheet13 2 H						
	C1076 /sheet10 9 A	C1352 /sheet13 12 E	C2211 /sheet22 6 D	C5960 /sheet59 14 C	R1130 /sheet11 6 A	R4090 /sheet72 6 C	X1400 /sheet14 3 D						
	C1077 /sheet10 9 A	C1353 /sheet13 12 C	C2212 /sheet22 6 D	C5961 /sheet59 14 C	R1251 /sheet12 6 B	R4091 /sheet72 6 C	X1504 /sheet15 2 B						
	C1078 /sheet10 9 A	C1354 /sheet13 11 A	C2213 /sheet22 7 D	C5962 /sheet59 3 G	R1252 /sheet12 6 B	R4800 /sheet48 3 B	X1604 /sheet16 2 C						
	C1079 /sheet10 9 A	C1355 /sheet13 11 E	C2214 /sheet22 7 D	C5964 /sheet59 8 F	R1254 /sheet12 10 C	R4806 /sheet48 3 C	X1800 /sheet18 8 D						
	C1088 /sheet10 10 A	C1357 /sheet13 10 E	C2215 /sheet22 9 D	C5965 /sheet59 8 F	R1255 /sheet12 7 C	R4807 /sheet48 3 C	X2200 /sheet22 5 C						
	C1110 /sheet11 4 A	C1358 /sheet13 12 E	C2216 /sheet22 9 D	C5966 /sheet59 9 F	R1256 /sheet12 5 C	R4808 /sheet48 8 C	X2201 /sheet22 3 B						
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D	C1121 /sheet11 7 B	C1362 /sheet13 11 G	C2320 /sheet23 5 C	C5972 /sheet59 13 C	R1302 /sheet13 3 B	R5101 /sheet51 5 B	X4081 /sheet72 5 B						
	C1122 /sheet11 6 A	C1363 /sheet13 12 E	C2321 /sheet23 7 C	C5973 /sheet59 13 C	R1303 /sheet13 2 C	R5103 /sheet51 2 C	X4899 /sheet48 10 C						
	C1123 /sheet11 6 A	C1364-2 /sheet13 7 C	C2322 /sheet23 4 D	D1000-2 /sheet11 3 D	R1308 /sheet13 3 D	R5110 /sheet51 9 C	X5100 /sheet51 1 E						
	C1124 /sheet11 5 A	C1364-1 /sheet13 7 C	C2400 /sheet24 3 C	D1000-1 /sheet10 3 F	R1320 /sheet13 8 C	R5111 /sheet51 9 D	X5900 /sheet59 13 F						
	C1125 /sheet11 5 A	C1367-1 /sheet13 7 C	C2405 /sheet24 3 B	D1299 /sheet12 4 E	R1340 /sheet13 12 E	R5122 /sheet51 8 D	Z1001 /sheet10 2 F						
	C1126 /sheet11 4 B	C1367-2 /sheet13 7 C	C2702 /sheet27 2 B	D1300 /sheet13 4 F	R1341 /sheet13 12 E	R5126 /sheet51 2 D	Z1501 /sheet15 10 E						
	C1128 /sheet11 4 B	C1371 /sheet13 4 A	C2703 /sheet27 2 B	D1800 /sheet18 5 C	R1343 /sheet13 11 E	R5930 /sheet59 1 C	Z1601 /sheet16 5 C						
	C1129 /sheet11 4 A	C1372 /sheet13 4 A	C2704 /sheet27 3 B	D5100 /sheet51 2 D	R1344 /sheet13 11 G	R5931 /sheet59 1 C	Z4801 /sheet48 5 C						
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	C1134 /sheet11 5 A	C1391 /sheet13 6 E	C2709 /sheet27 4 B	L1301 /sheet13 11 A	R1399 /sheet13 6 C	R5938 /sheet59 5 D							
	C1135 /sheet11 9 C	C1398 /sheet13 11 E	C2710 /sheet27 4 B	L1302 /sheet13 10 D	R1500 /sheet15 5 C	R5939 /sheet59 5 D							
	C1136 /sheet11 8 D	C1400 /sheet14 5 D	C2711 /sheet27 4 B	L1303 /sheet13 8 C	R1501 /sheet15 6 C	R5940 /sheet59 5 D							
	C1137 /sheet11 8 D	C1402 /sheet14 6 D	C2712 /sheet27 4 B	L1318 /sheet13 2 A	R1502 /sheet15 5 C	R5941 /sheet59 5 E							
	C1138 /sheet11 9 C	C1403 /sheet14 6 D	C2713 /sheet27 4 B	L1320 /sheet13 8 C	R1505 /sheet15 6 C	R5942 /sheet59 5 E							
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	C1253 /sheet12 6 F	C1507 /sheet15 6 A	C3502 /sheet35 6 C	L1591 /sheet15 4 B	R1532 /sheet15 10 D	R5975 /sheet59 8 G							
	C1254 /sheet12 6 F	C1508 /sheet15 3 B	C3513 /sheet35 7 E	L1701 /sheet17 5 A	R1614 /sheet16 9 C	R5982 /sheet59 13 C							
	C1256 /sheet12 6 E	C1509 /sheet15 4 B	C3514 /sheet35 7 E	L1702 /sheet17 5 B	R1705 /sheet17 3 B	R5983 /sheet59 14 C							
	C1257 /sheet12 6 E	C1510 /sheet15 7 B	C3515 /sheet35 9 E	L1703 /sheet17 5 A	R1706 /sheet17 4 B	R5984 /sheet59 14 C							
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	C1259 /sheet12 7 E	C1513 /sheet15 6 B	C4082 /sheet72 3 C	L1800 /sheet18 3 C	R1806 /sheet18 3 A	R5993 /sheet59 13 C							
	C1260 /sheet12 6 E	C1514 /sheet15 8 B	C4083 /sheet72 6 C	L1801 /sheet18 6 D	R1807 /sheet18 8 A	R5994 /sheet59 12 C							
G	C1261 /sheet12 6 E	C1515 /sheet15 12 F	C4084 /sheet72 7 B	L1802 /sheet18 6 D	R1808 /sheet18 8 B	TP1317 /sheet13 8 B							
	C1262 /sheet12 6 E	C1516 /sheet15 13 F	C4085 /sheet72 6 B	L1803 /sheet18 6 D	R1809 /sheet18 8 C	TP1355 /sheet13 11 C							
	C1263 /sheet12 6 F	C1517 /sheet15 8 B	C4800 /sheet48 5 B	L4081 /sheet72 3 B	R1810 /sheet18 8 C	TP1334 /sheet13 7 C							
	C1264 /sheet12 6 F	C1525 /sheet15 8 B	C4801 /sheet48 6 B	L4083 /sheet72 7 B	R1812 /sheet18 5 C	TP1327 /sheet13 11 A							
	C1265 /sheet12 7 E	C1526 /sheet15 7 B	C4806 /sheet48 3 C	L4085 /sheet72 6 C	R1813 /sheet18 5 D	TP1306 /sheet13 8 B							
	C1301 /sheet13 3 A	C1541 /sheet15 8 B	C4807 /sheet48 4 B	L4089 /sheet72 7 B	R1814 /sheet18 5 D	TP1302 /sheet13 4 D							
	C1302 /sheet13 4 A	C1548 /sheet15 7 B	C4810 /sheet48 4 B	L5101 /sheet51 9 B	R1815 /sheet18 7 C	TP1309 /sheet13 8 B							
	C1303 /sheet13 4 A	C1605 /sheet16 9 D	C5100 /sheet51 4 B	L5102 /sheet51 8 D	R1816 /sheet18 7 C	TP1013 /sheet10 15 A							
	C1304-2 /sheet13 2 B	C1705 /sheet17 4 B	C5101 /sheet51 4 B	L5103 /sheet51 7 C	R1817 /sheet18 3 B	TP1014 /sheet10 15 B							
	C1304-1 /sheet13 2 B	C1708 /sheet17 5 B	C5102 /sheet51 2 A	L5104 /sheet51 7 C	R1901 /sheet19 6 B	TP1251 /sheet12 11 C							
H	C1305 /sheet13 2 B	C1709 /sheet17 5 B	C5104 /sheet51 7 C	L5105 /sheet51 7 C	R1902 /sheet19 6 B	TP1250 /sheet12 11 C							
	C1306-1 /sheet13 3 B	C1710 /sheet17 6 A	C5106 /sheet51 5 B	L5931 /sheet59 1 C	R1926 /sheet19 7 B	TP2302 /sheet23 7 C							
	C1306-2 /sheet13 3 B	C1712 /sheet17 6 B	C5108 /sheet51 5 B	N3500 /sheet35 7 E	R1927 /sheet19 6 B	TP5101 /sheet51 10 C							
	C1308 /sheet13 3 D	C1801 /sheet18 4 A	C5111 /sheet51 7 C	N4800 /sheet48 4 B	R1930 /sheet19 7 C	TP4800 /sheet48 6 A							
	C1309 /sheet13 4 D	C1802 /sheet18 6 A	C5112 /sheet51 6										

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123456789101112131415

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12345678910

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				USER	Bartenschlag				
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HIT\_POINTS LOGIK/HF\_PART\_1

HIT\_POINTS LOGIK/HF  
400-449

TRANCEIVER ENABLE SIGNAL  
TRANCEIVER CLOCK SIGNAL  
TRANCEIVER DATA SIGNAL

Bidirectional analoue RX/TX modulartet signal  
Baseband signals

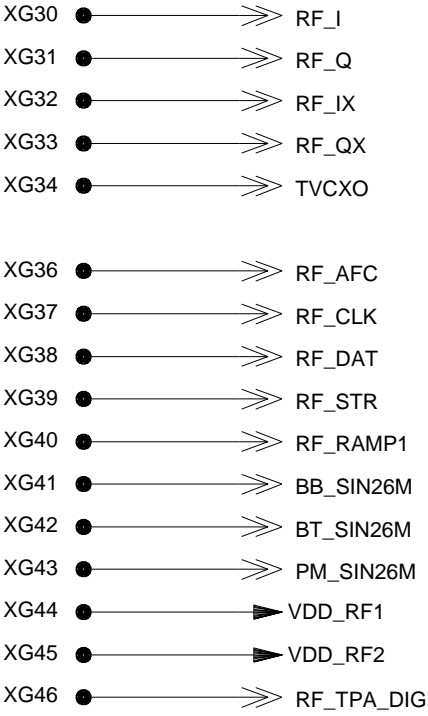
Reference frequency correction  
  
DCSTX enable Asic for Hitachisolution  
GSMTX enable Asic for Hitachisolution

analogue power amplifier ramping signal  
  
26 MHz reference frequency  
26 MHz reference frequency for Bluetooth  
26 MHz reference frequency for Powermanagement

Temperature sensor X-tal  
DETECTION internal/external Antenna

programmed voltage 1  
  
programmed voltage 2

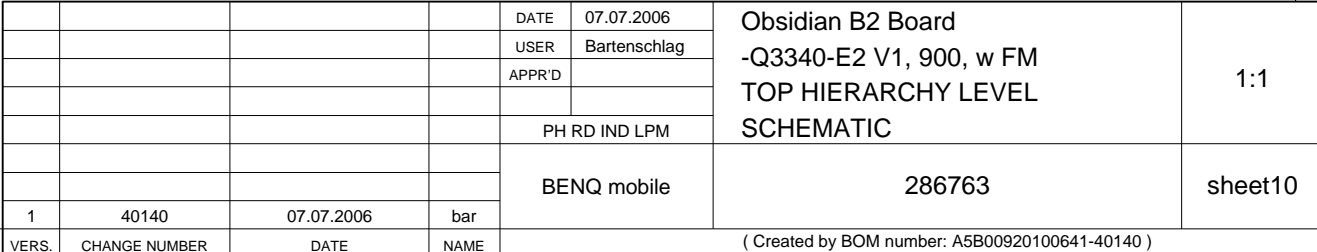
switched LOW- / HIGH-band

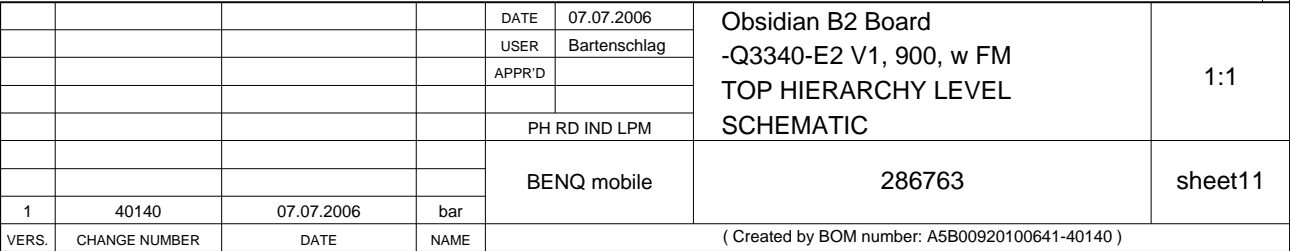


HIT\_POINTS LOGIK/BLUETOOTH

USART1\_TXD  
  
USART1\_RXD  
  
USART1\_CTS  
  
USART1\_RTS

				DATE	07.07.2006	Obsidian B2 Board -Q3340-E2 V1, 900, w FM TOP HIERARCHY LEVEL SCHEMATIC	1:1
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				APPR'D			
					PH RD IND LPM	BENQ mobile	286763
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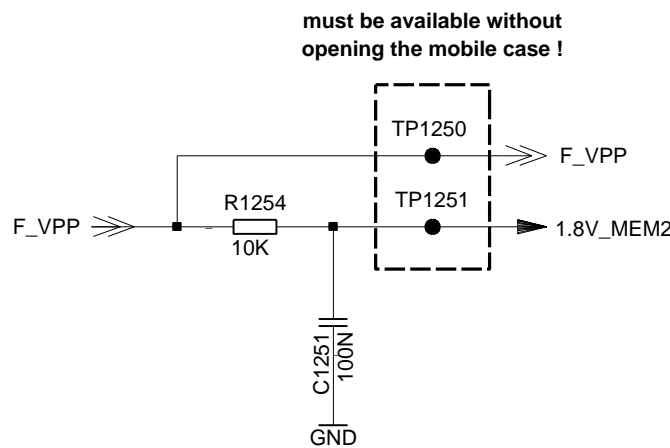
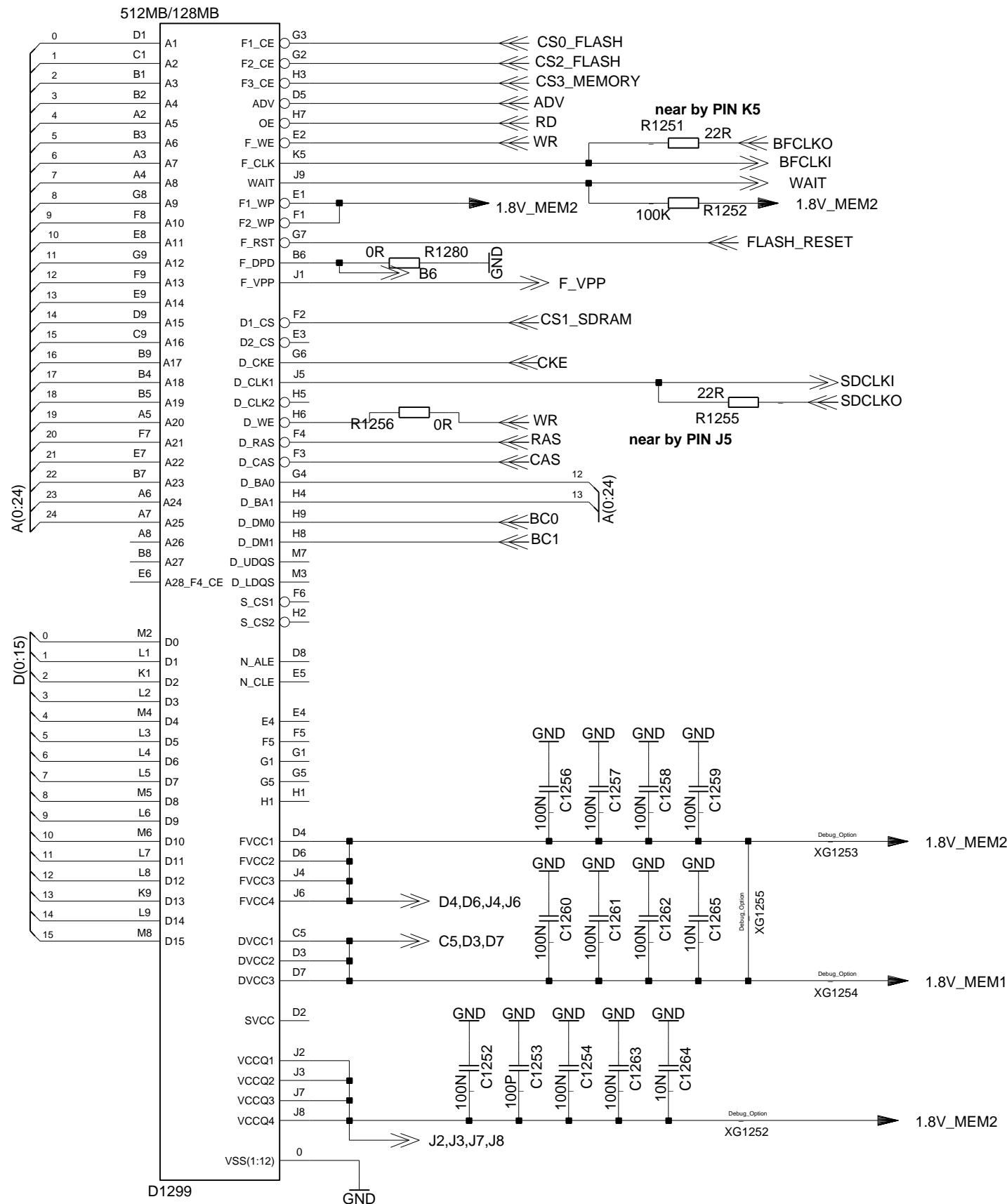






# FLASH\_SDRAM

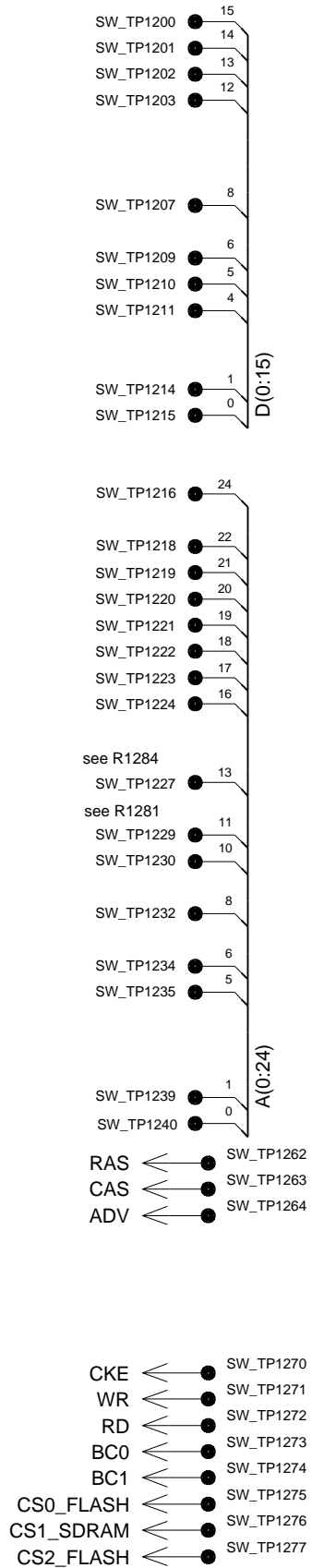
1200-1299



## Layout Information:

- 1) place a capacitor (decoupling) to every power ball (VCC, VCCQ) as close as possible. There should be one capacitor for each ball.
- 2) connect the power plane as short as possible via the decoupling capacitor to the power ball.
- 3) connect ground as close as possible to the decoupling capacitor.
- 4) Please avoid branches by routing signals to more than one target (ball), this means for every signal expecting the power connectivity's. This is very important for the clock signals.
- 5) The BFCLKO & BFCLKI signal is a loop line from SGOLD2 to the Memory and back to SGOLD2. So avoid branches here as well. The same applies to SDCLKO & SDCLKI.

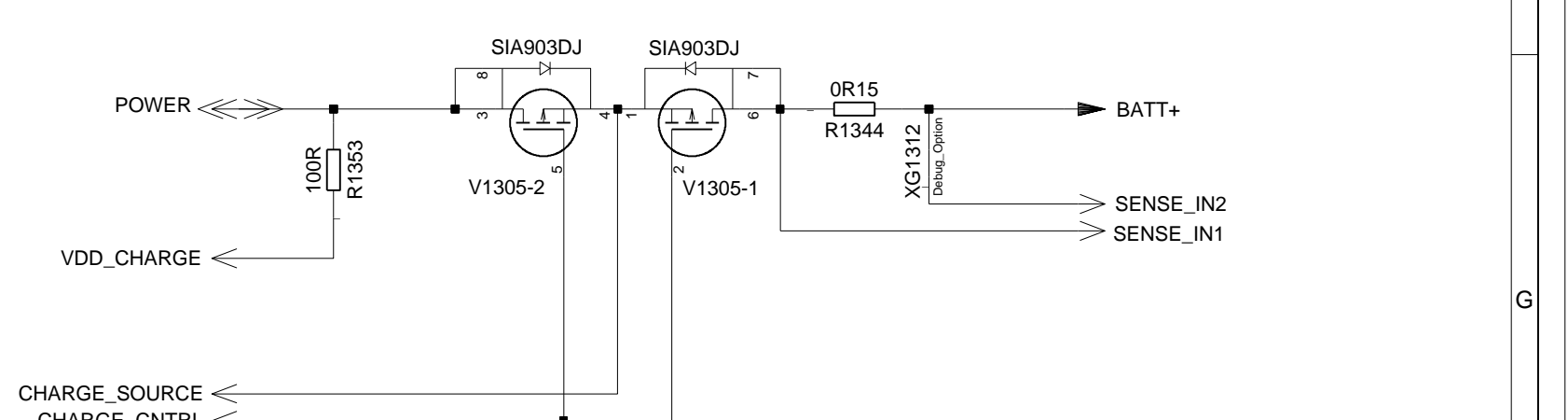
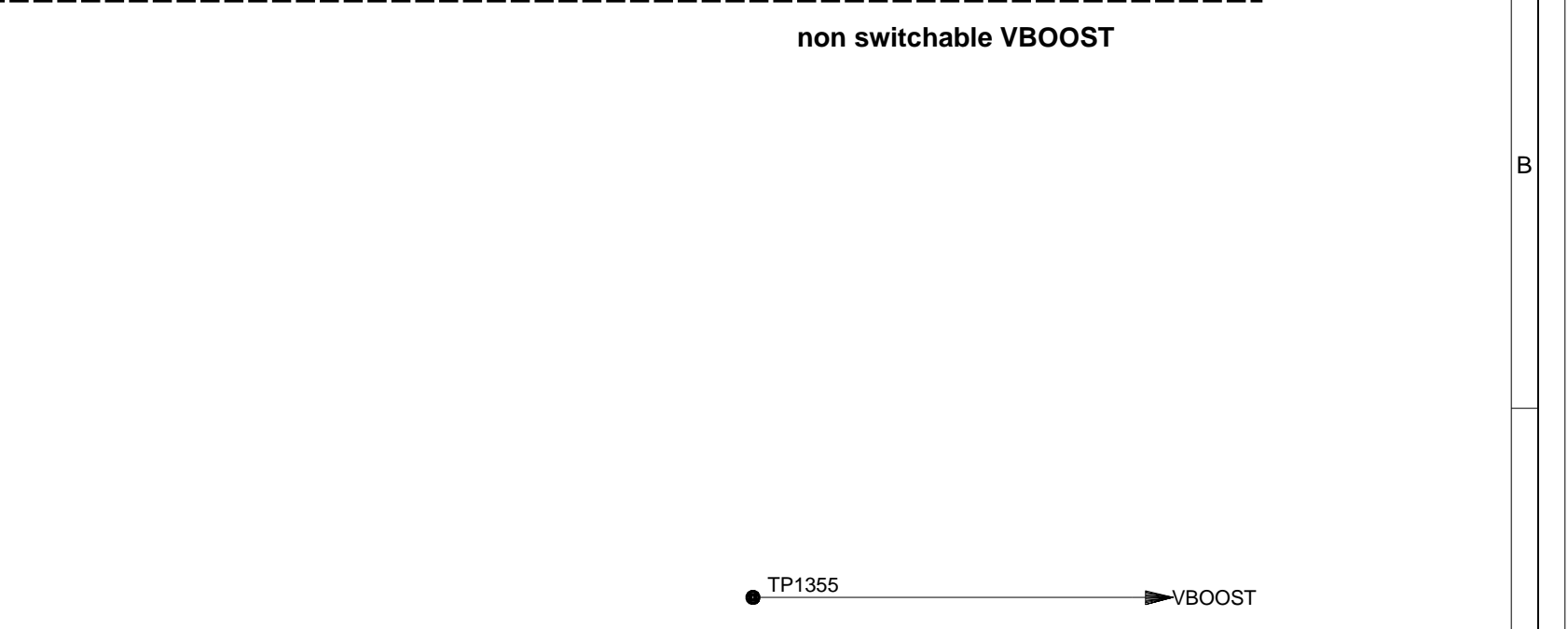
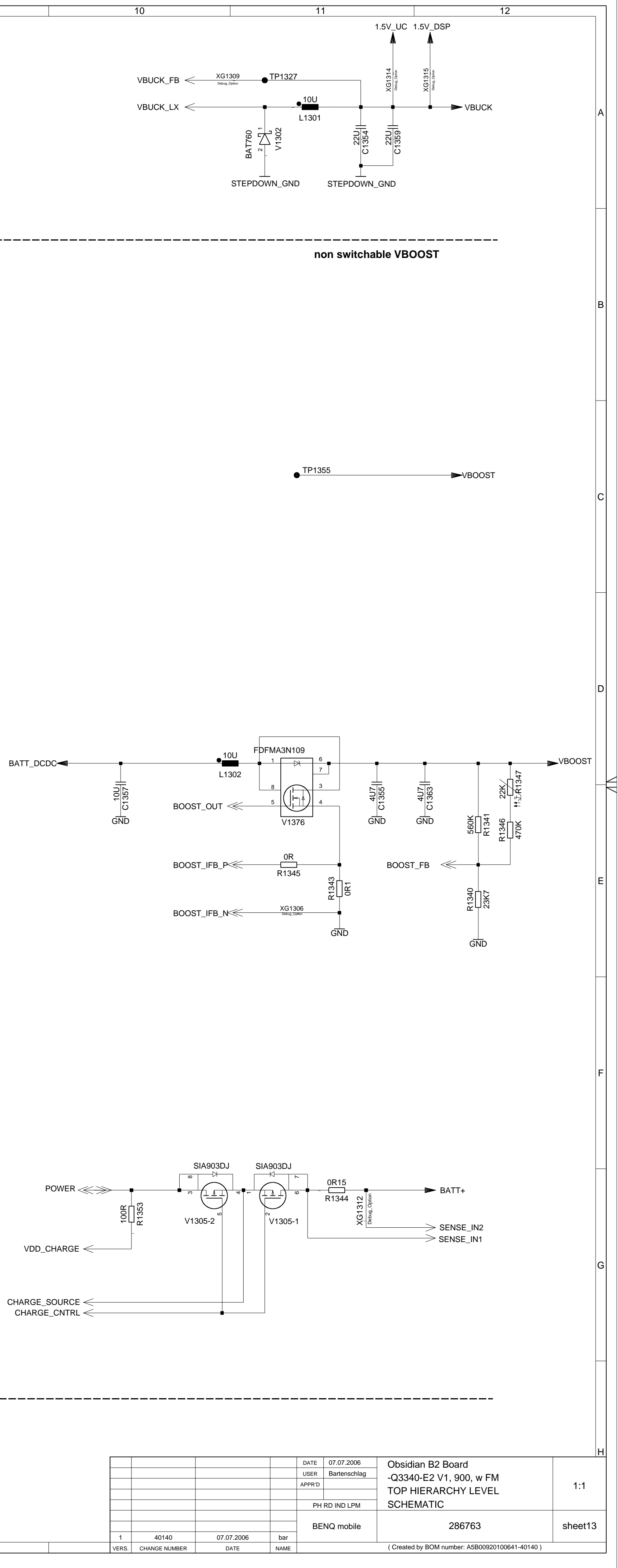
## SW-TESTPUNKTE



				DATE	07.07.2006	Obsidian B2 Board	
				USER	Bartenschlag	-Q3340-E2 V1, 900, w FM	
				APPR'D		TOP HIERARCHY LEVEL	
						SCHEMATIC	1:1
					PH RD IND LPM		
					BENQ mobile	286763	sheet12
1	40140	07.07.2006	bar				
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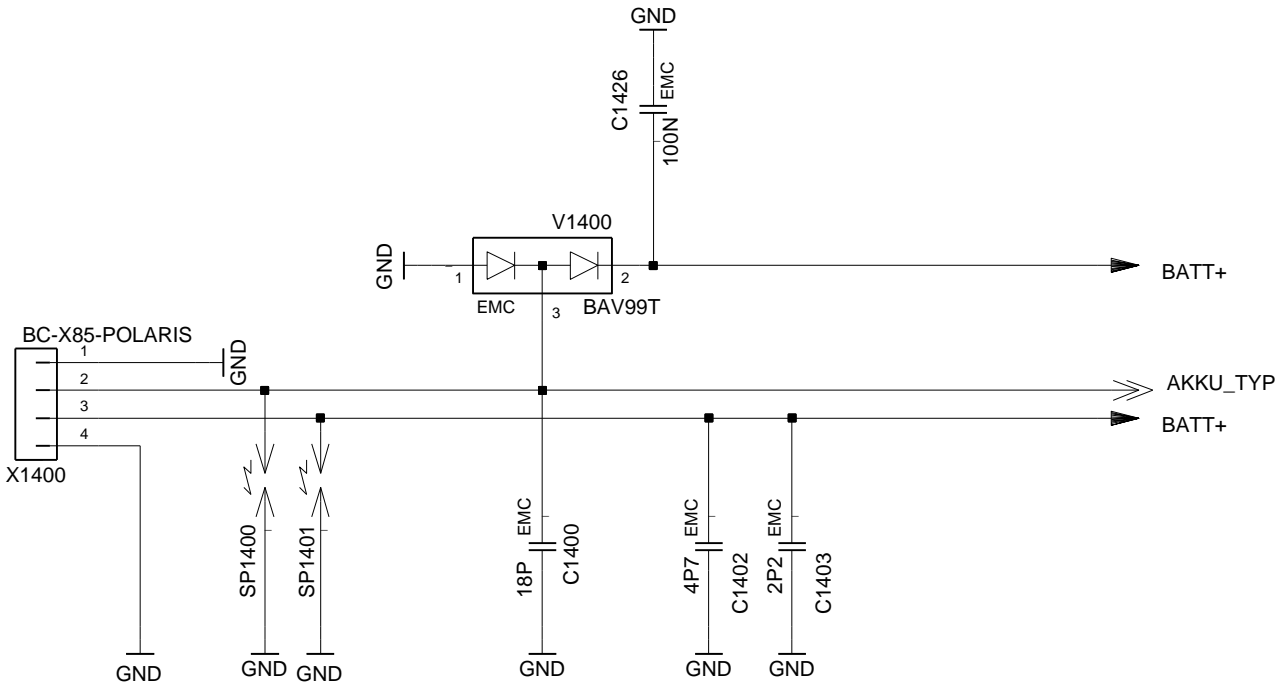
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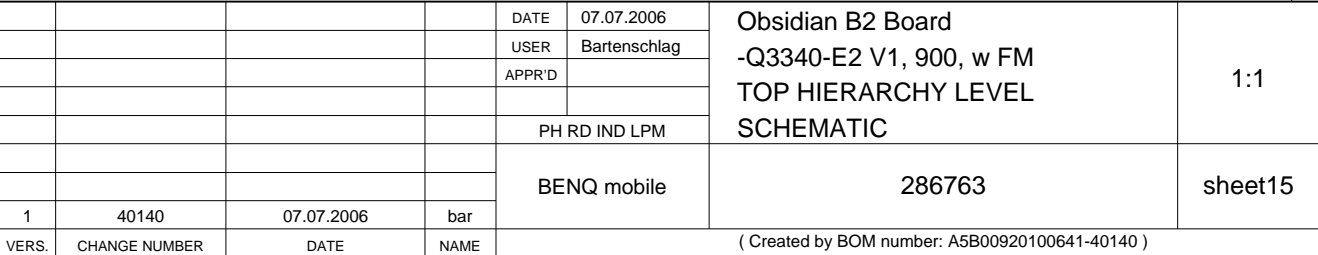
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BATTERY\_CONNECTOR

1400-1449



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				USER	Bartenschlag		
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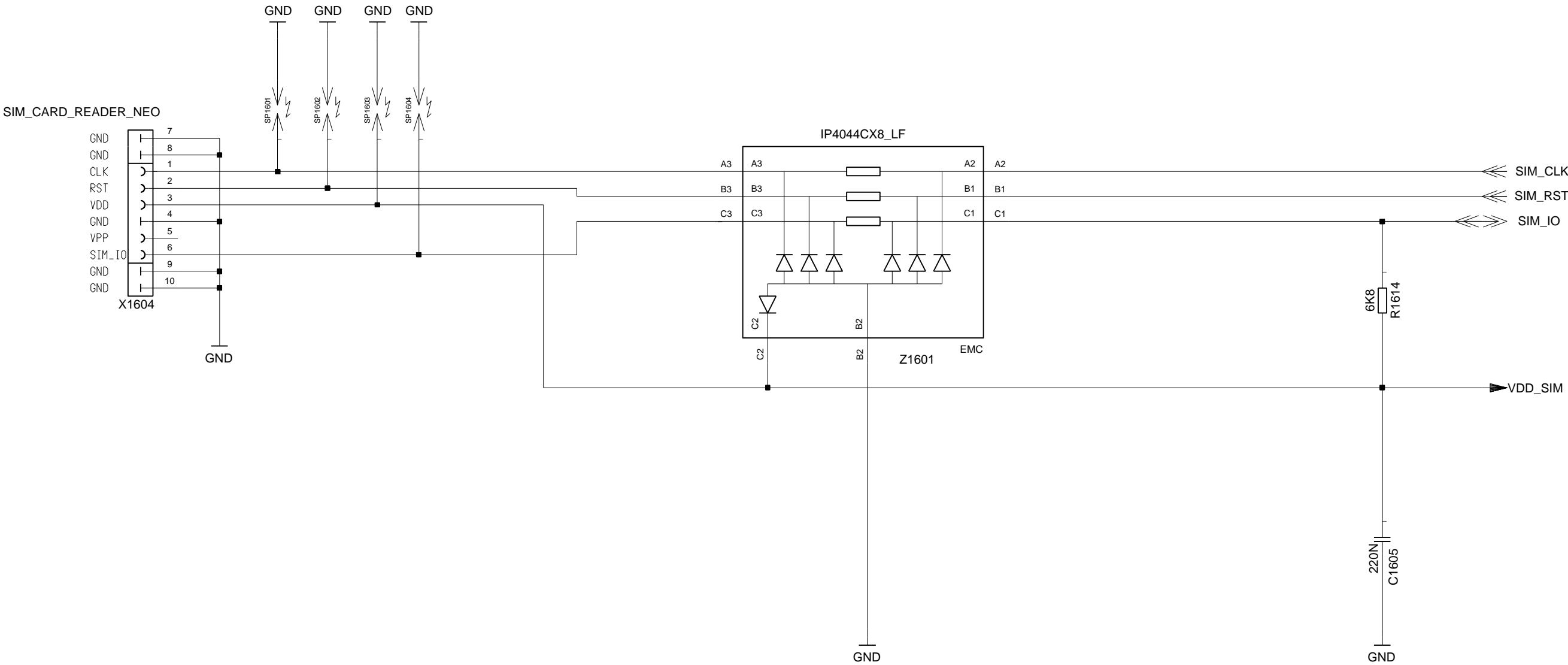


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SIM\_CONNECTOR

1600-1659



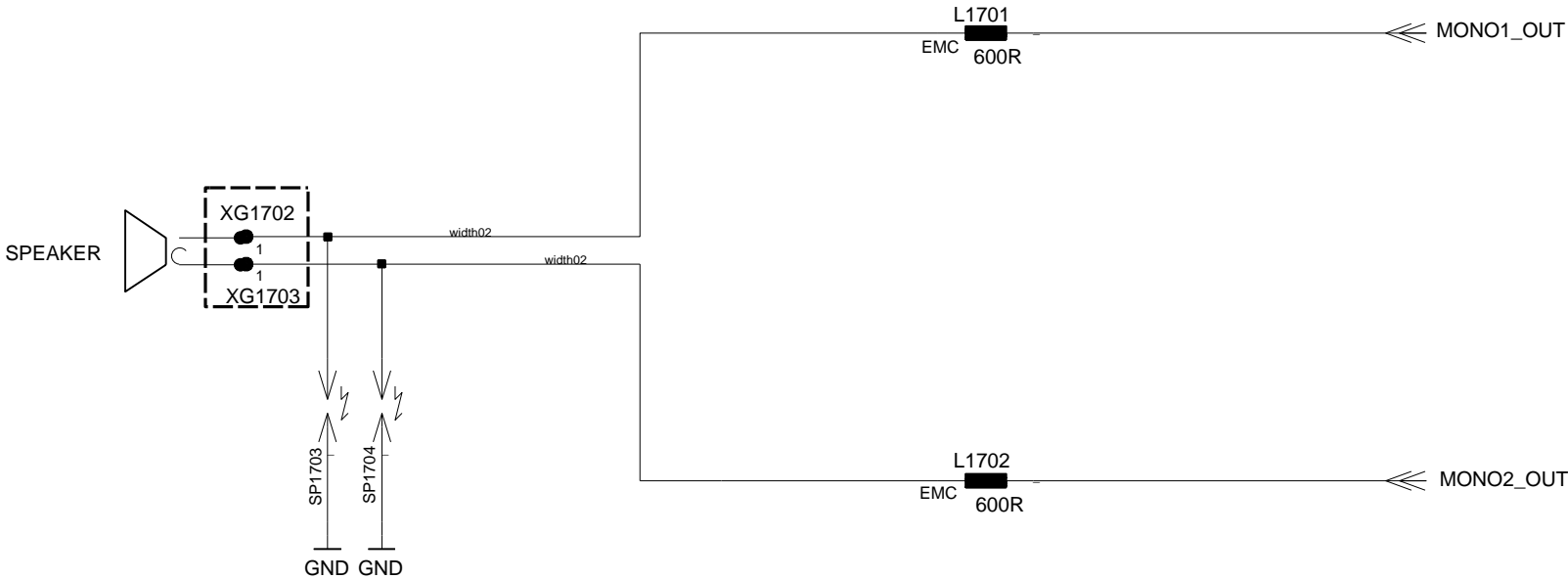
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# SPEAKER

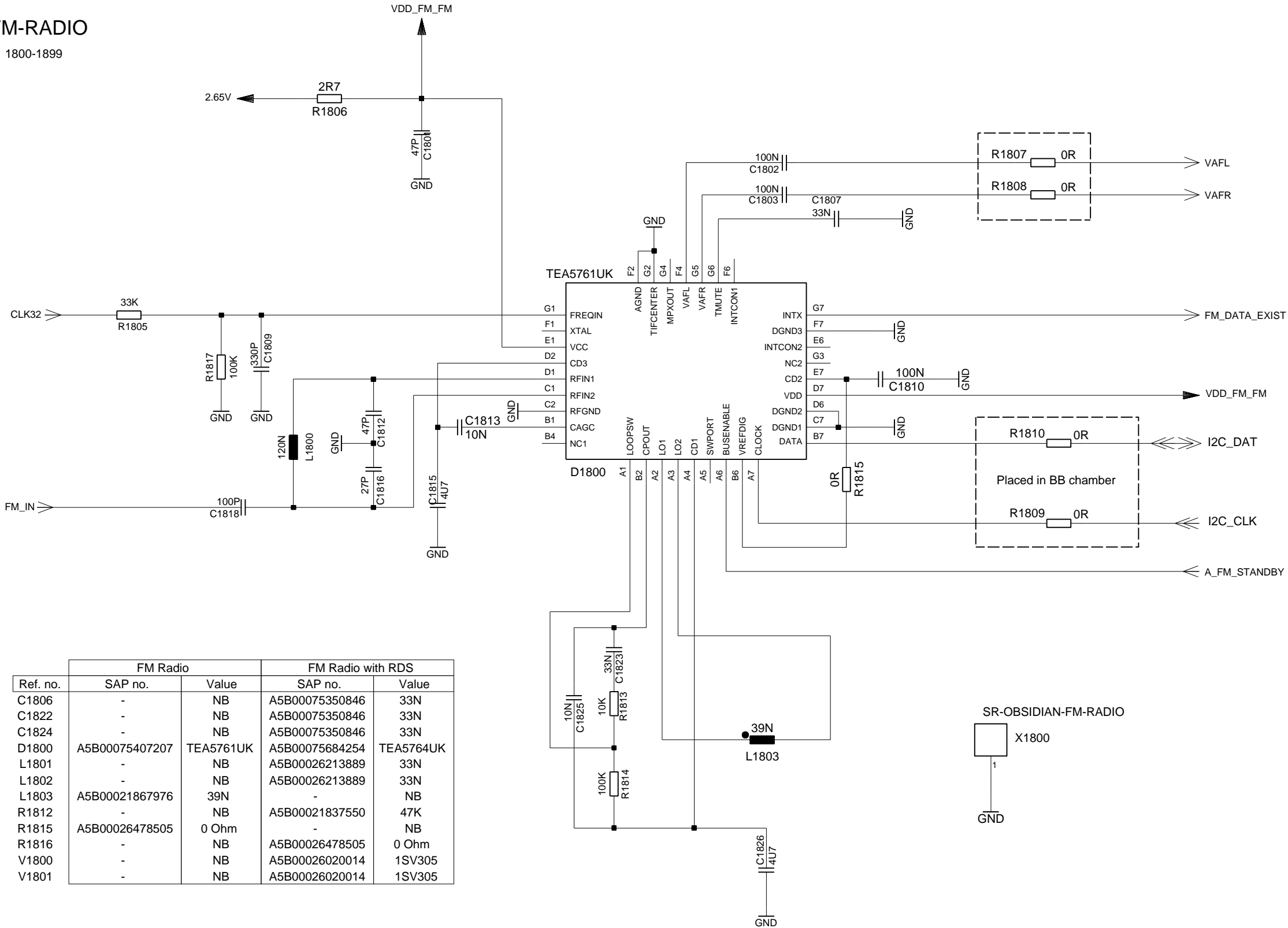
1700-1759



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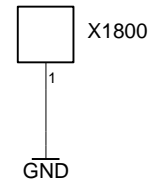
# FM-RADIO

1800-1899



FM Radio			FM Radio with RDS	
Ref. no.	SAP no.	Value	SAP no.	Value
C1806	-	NB	A5B00075350846	33N
C1822	-	NB	A5B00075350846	33N
C1824	-	NB	A5B00075350846	33N
D1800	A5B00075407207	TEA5761UK	A5B00075684254	TEA5764UK
L1801	-	NB	A5B00026213889	33N
L1802	-	NB	A5B00026213889	33N
L1803	A5B00021867976	39N	-	NB
R1812	-	NB	A5B00021837550	47K
R1815	A5B00026478505	0 Ohm	-	NB
R1816	-	NB	A5B00026478505	0 Ohm
V1800	-	NB	A5B00026020014	1SV305
V1801	-	NB	A5B00026020014	1SV305

SR-OBSIDIAN-FM-RADIO



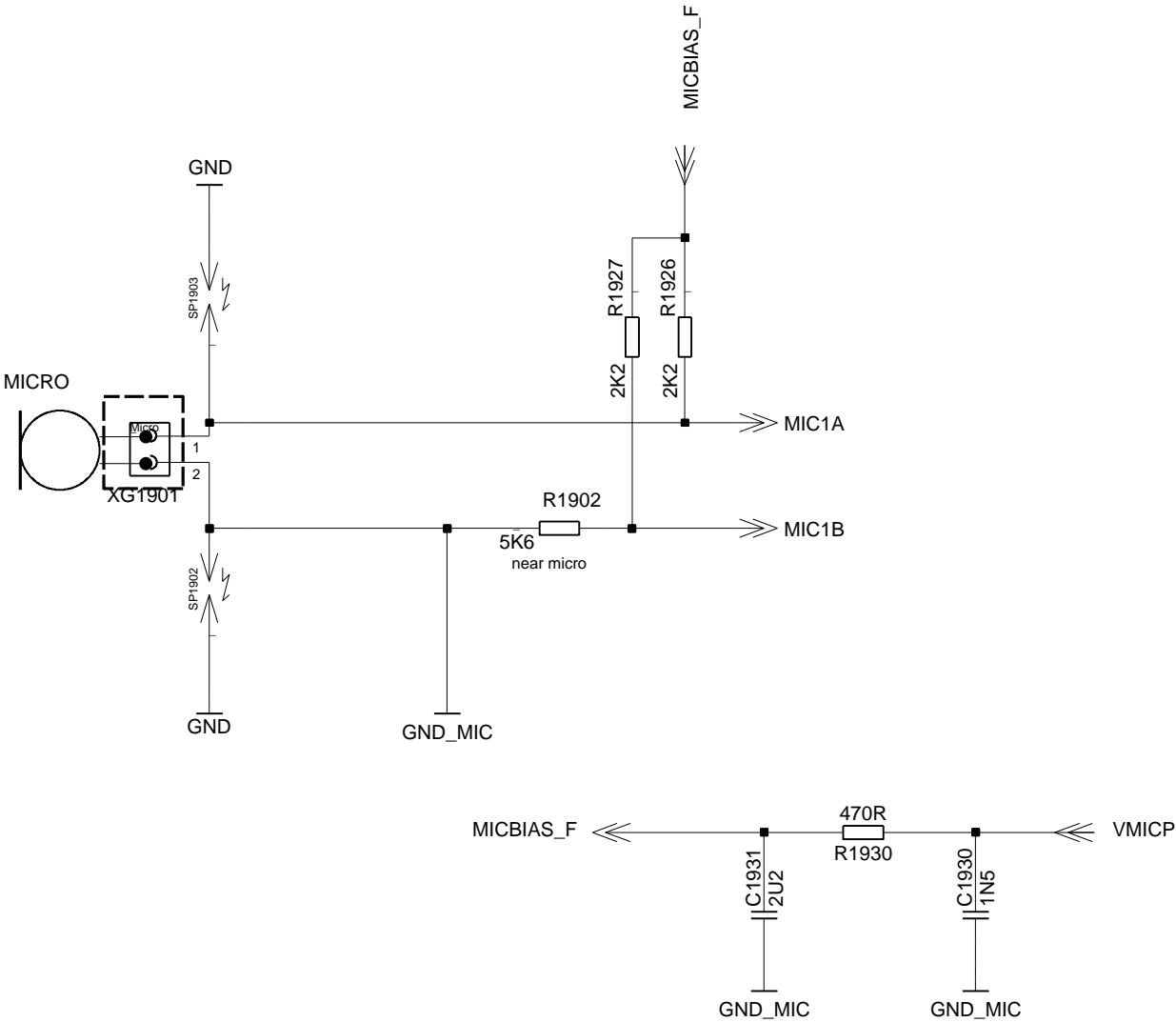
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				APPR'D			
				PH RD IND LPM			
				BENQ mobile		286763	sheet18
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MICROPHONE\_CIRCUIT\_1

1900-1999

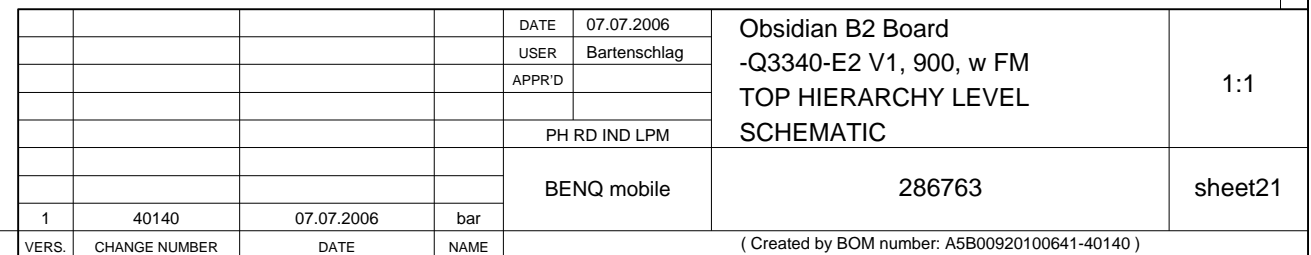


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2100-2125

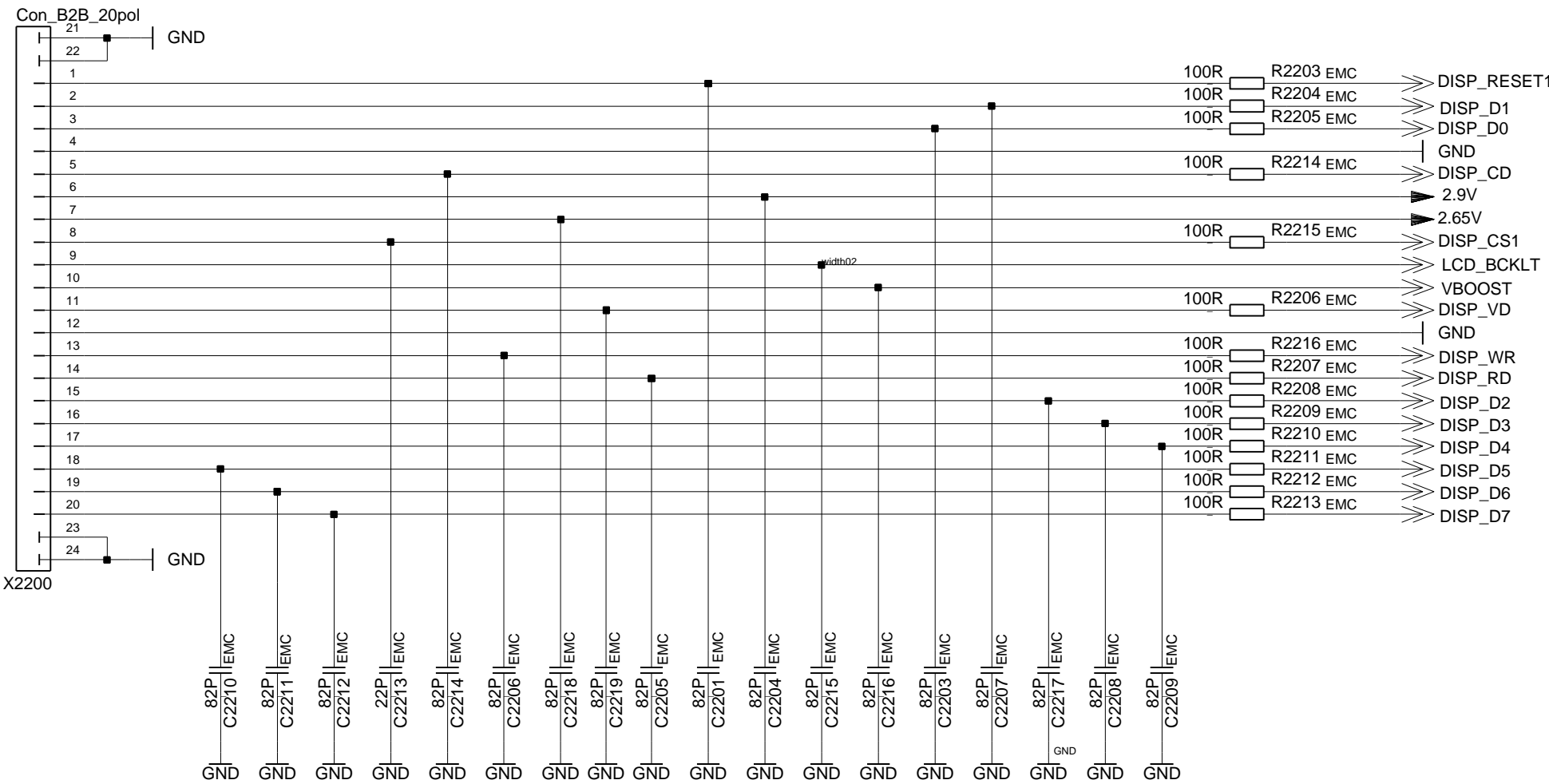
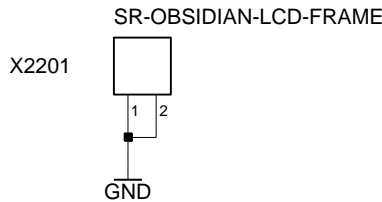


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# DISPLAY\_CONNECTOR

2200-2299



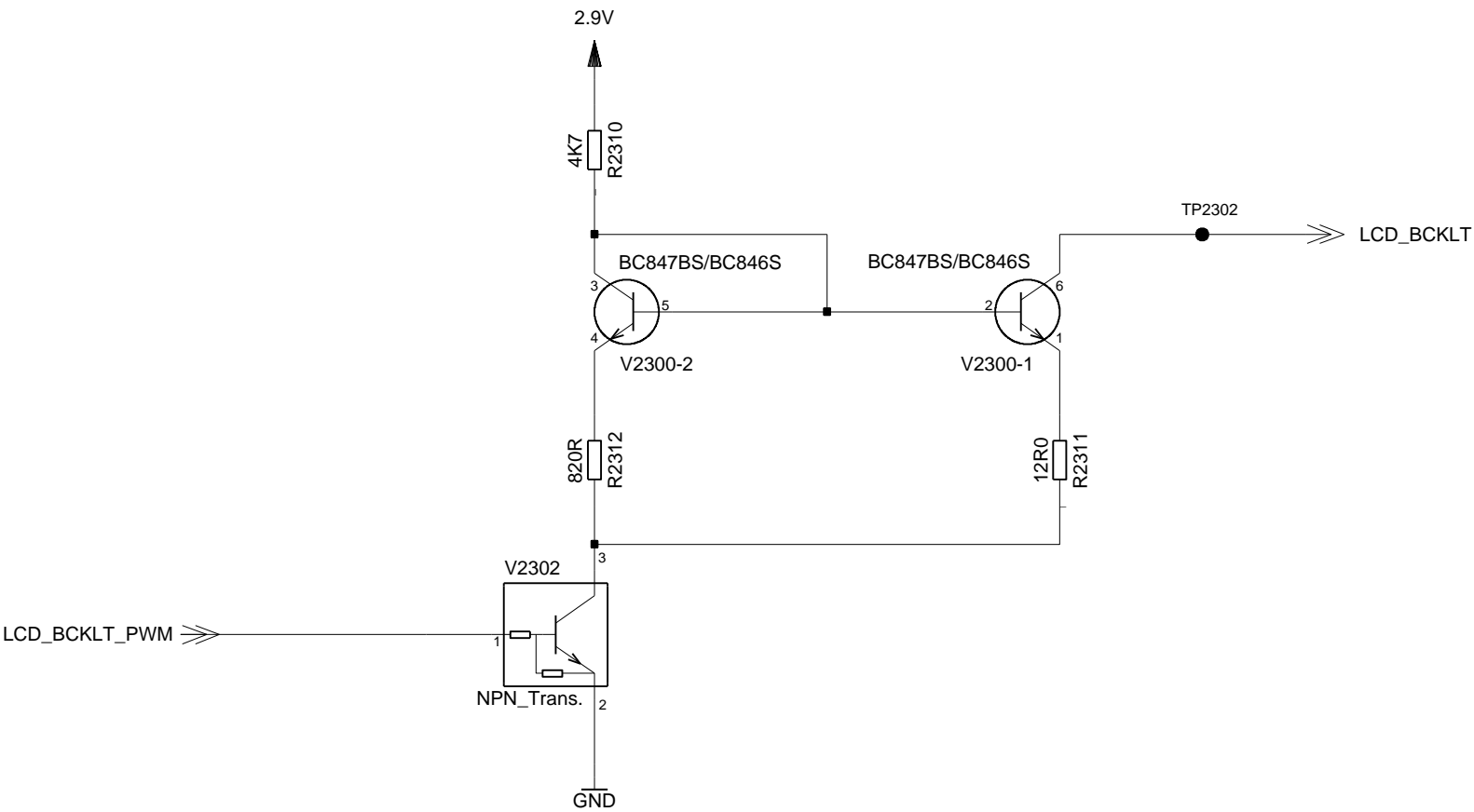
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1	40140	07.07.2006	bar	( Created by BOM number: A5B00920100641-40140 )			
VERS.	CHANGE NUMBER	DATE	NAME				

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DISPLAY BACKLIGHT CONTROL

2300-2399



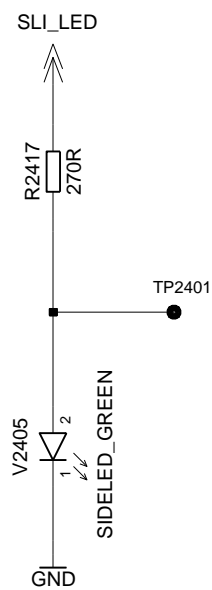
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				APPR'D			
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1	40140	07.07.2006	bar				
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## SLI LED

2400-2499



				DATE	07.07.2006	Obsidian B2 Board -Q3340-E2 V1, 900, w FM TOP HIERARCHY LEVEL SCHEMATIC	1:1
				USER	Bartenschlag		
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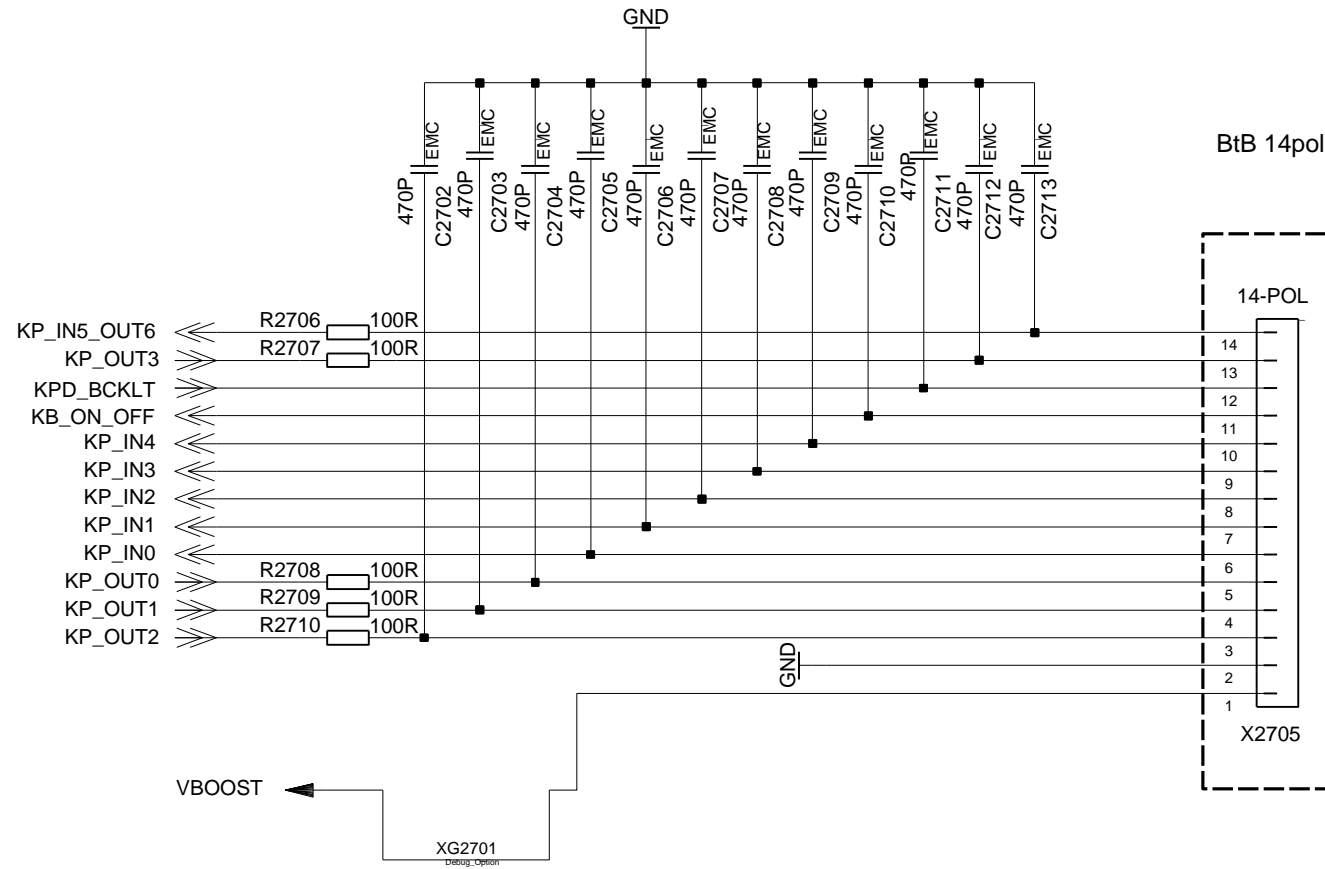
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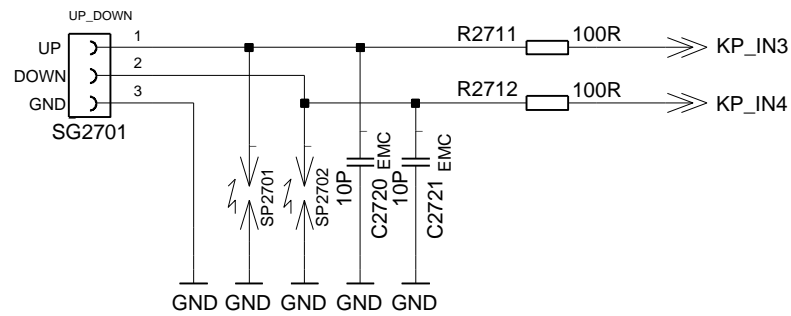
## MMI\_CONNECTOR

BOARD TO BOARD CONNECTOR

2700-2749



### LEFT



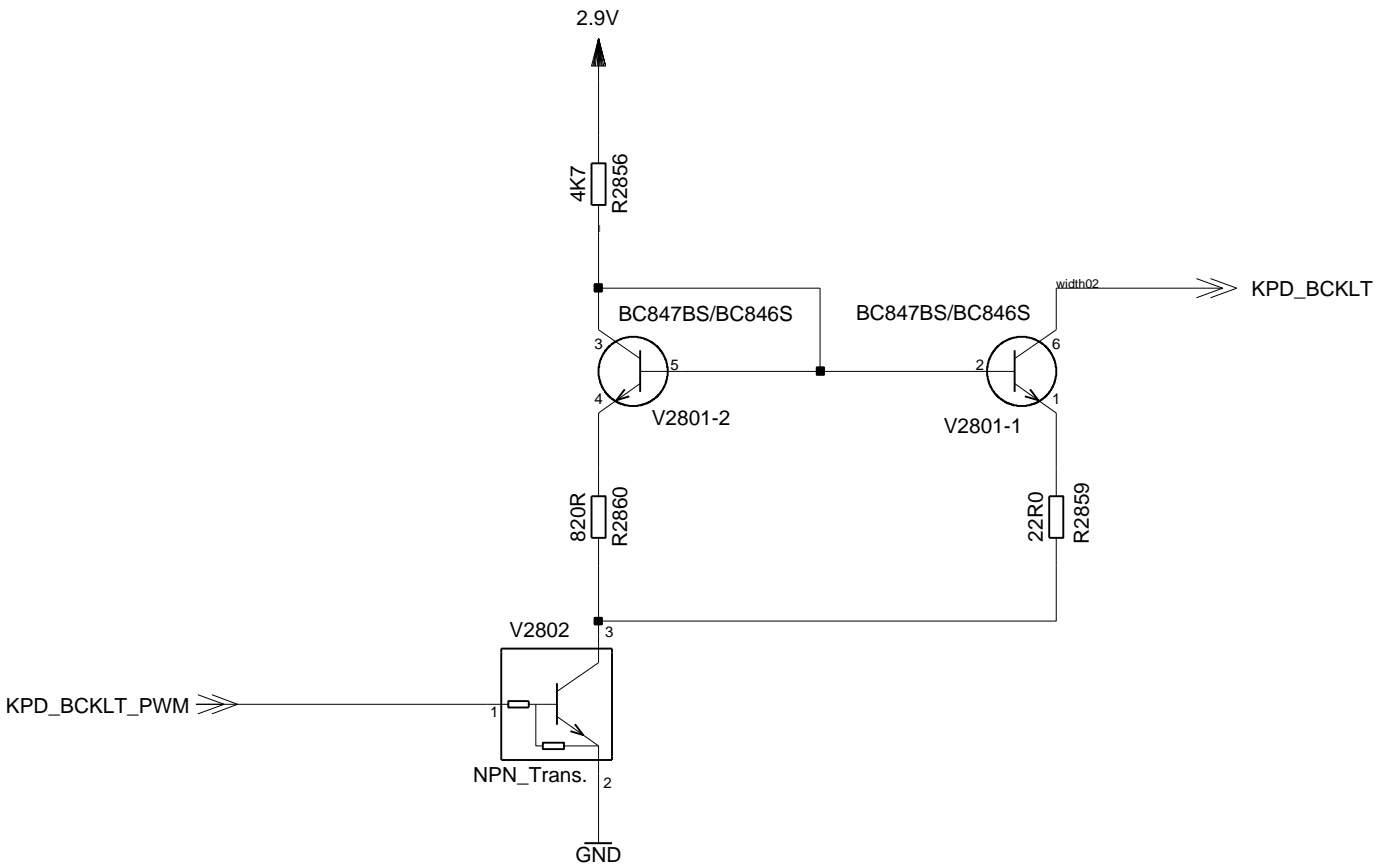
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# KEYPAD\_BACKLIGHT

2800-2899



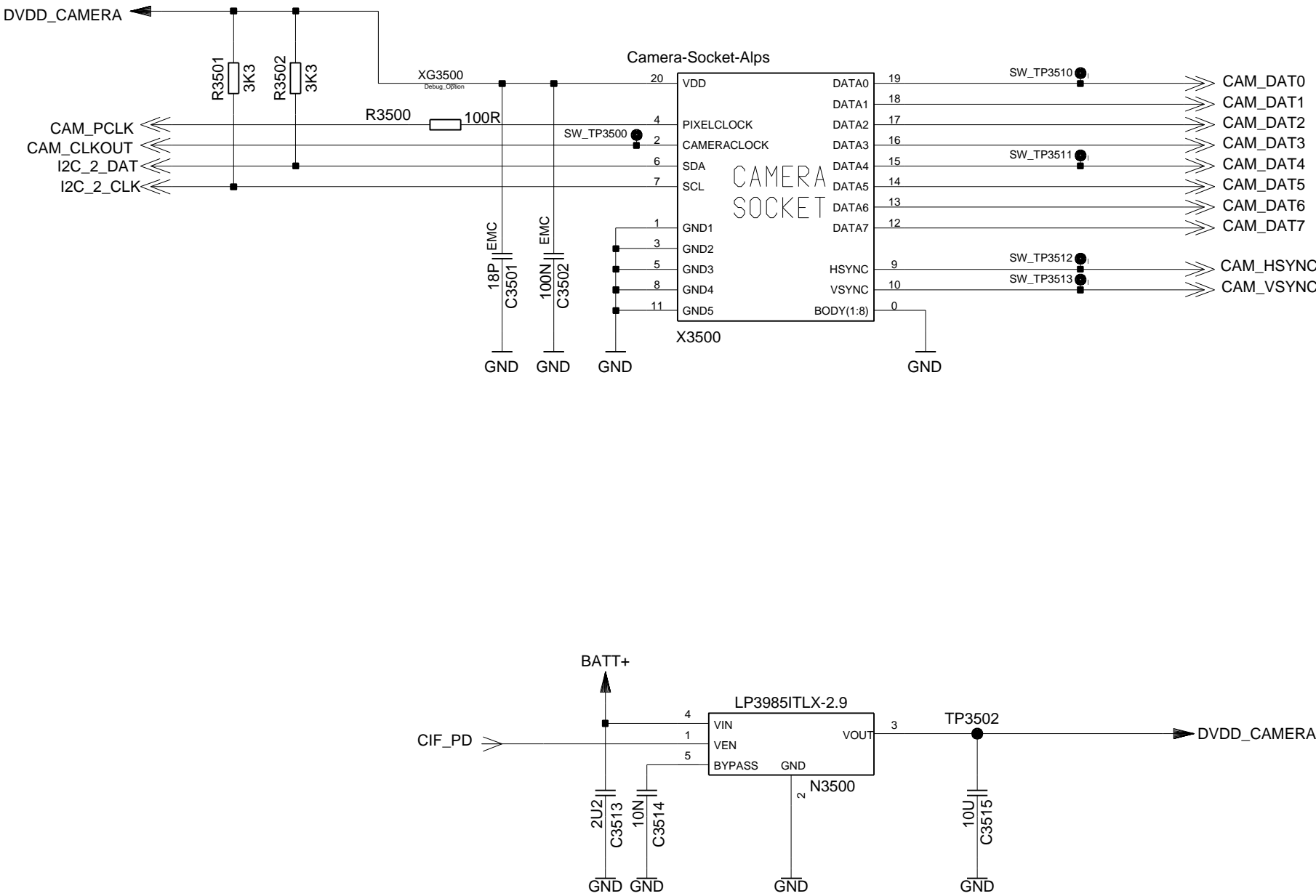
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Camera Interface

3500-3579



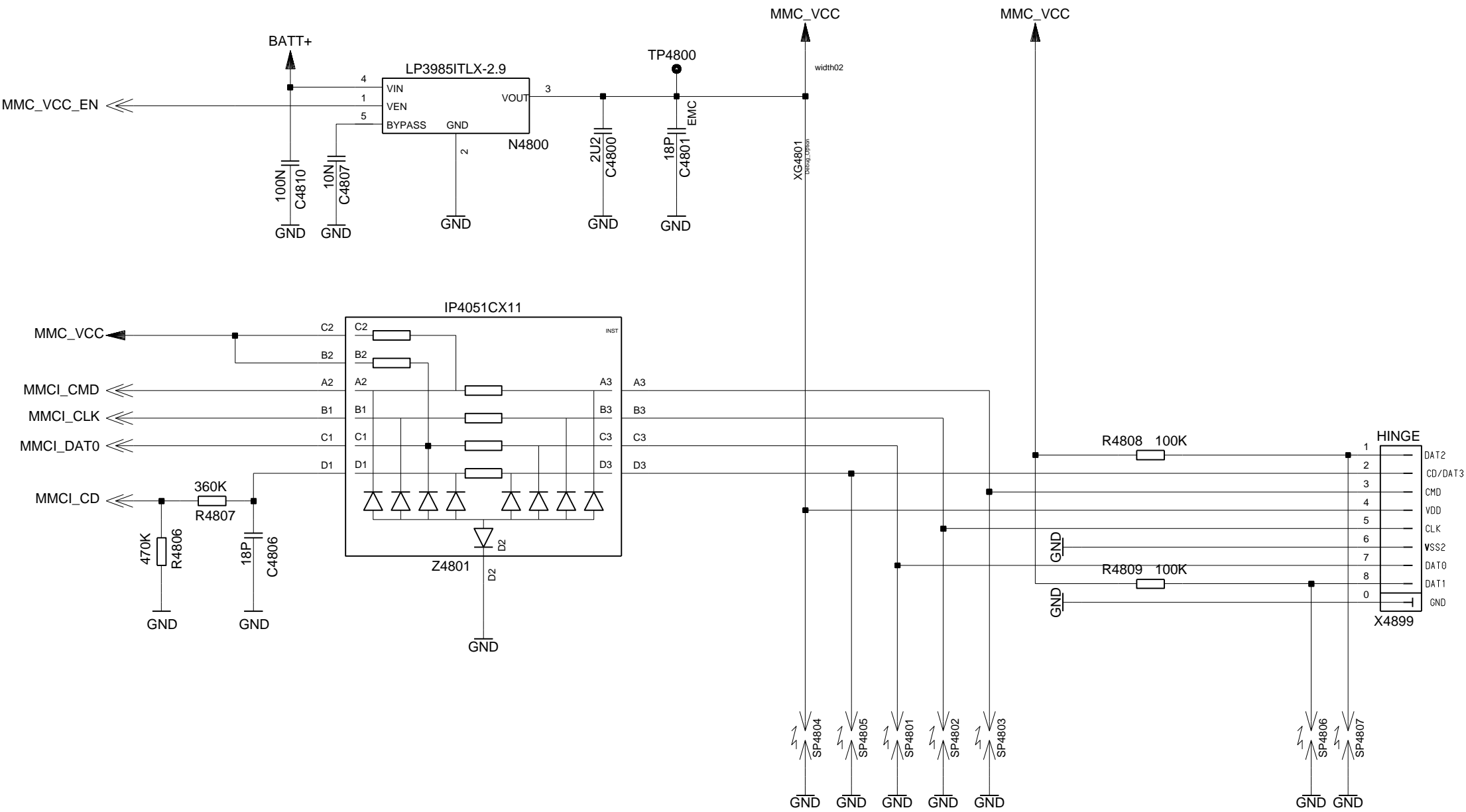
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				APPR'D			
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				286763		sheet35	
1	40140	07.07.2006	bar				
VERS.	CHANGE NUMBER	DATE	NAME	( Created by BOM number: A5B00920100641-40140 )			

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# MMC READER

4800-4899

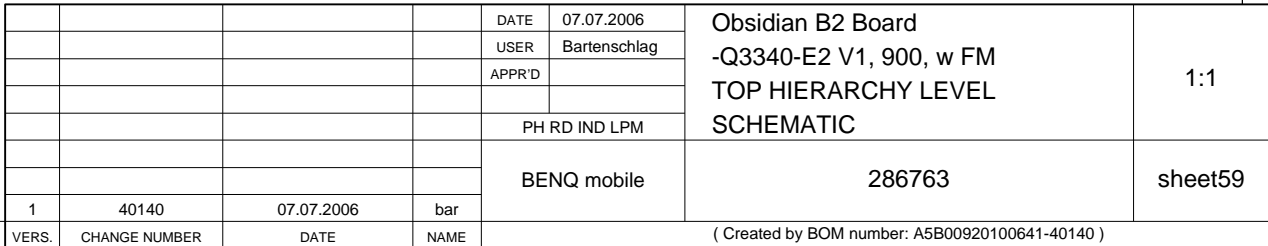


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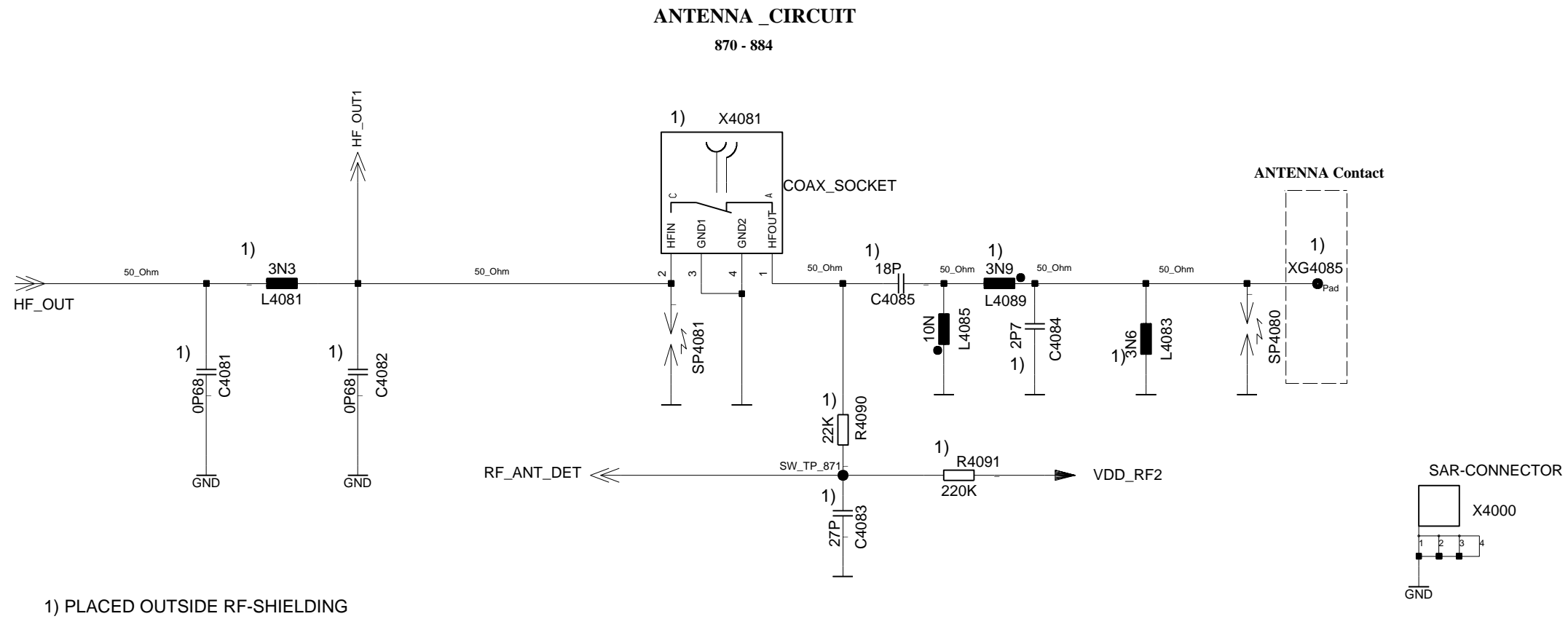
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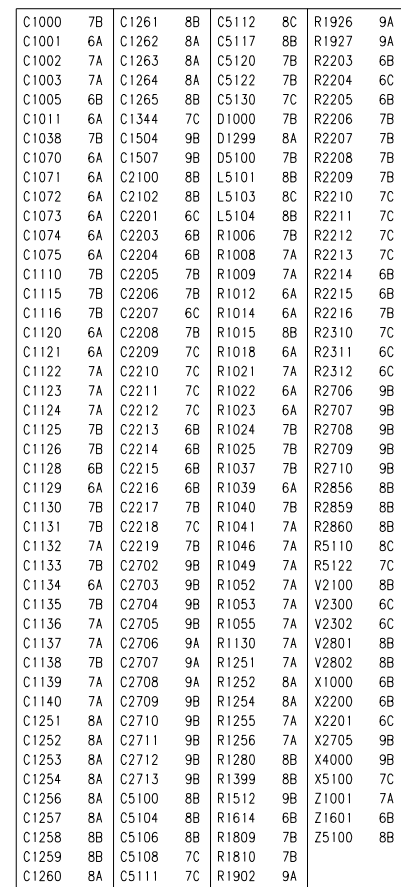


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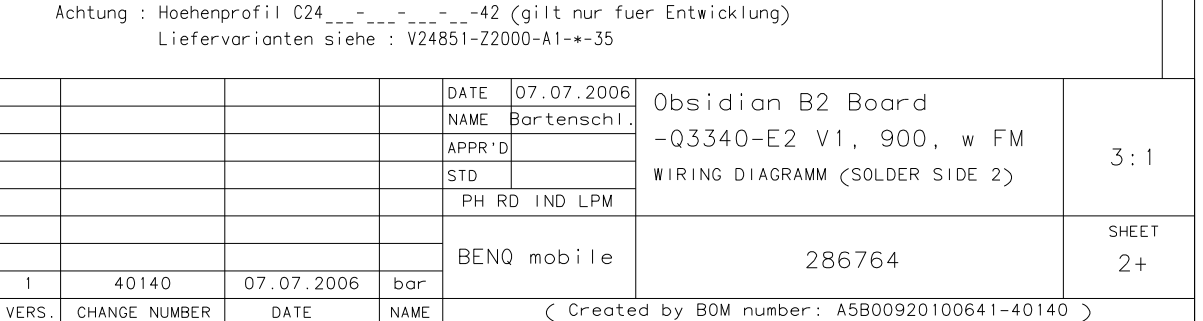
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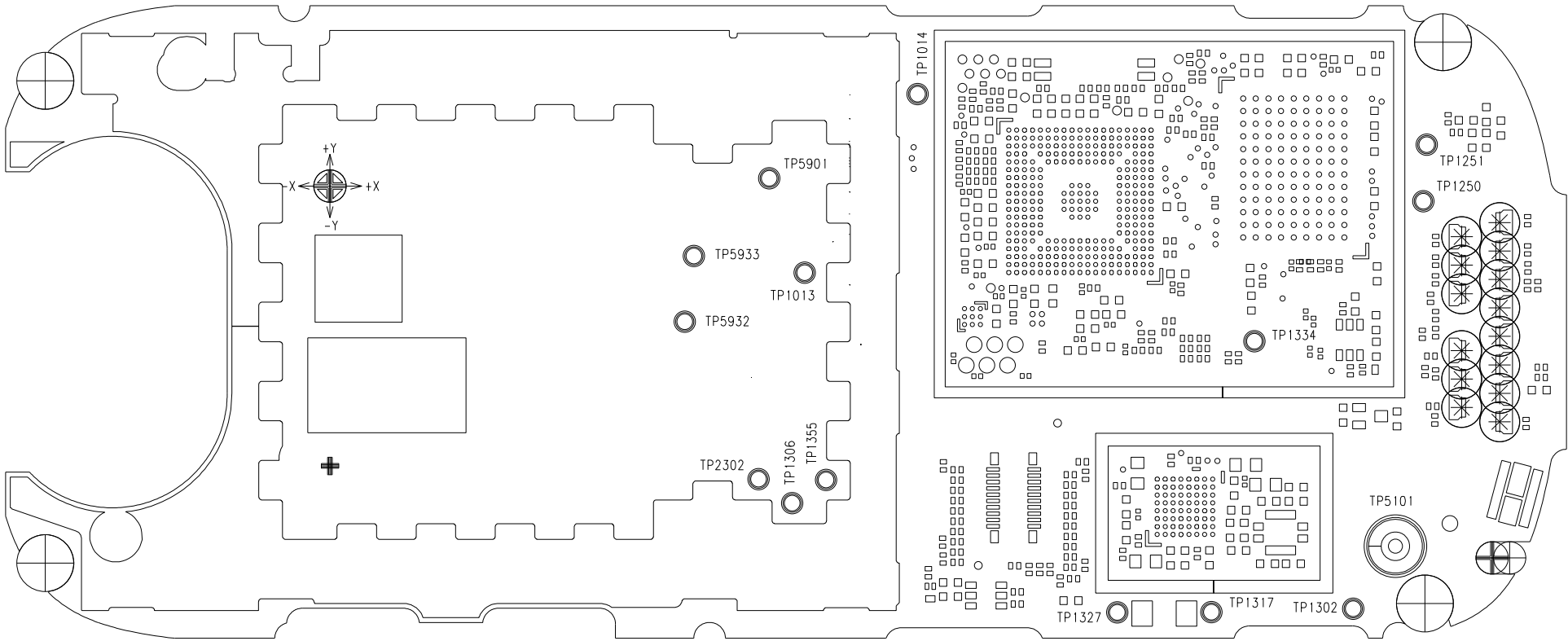


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				DATE	07.07.2006	Obsidian B2 Board -Q3340-E2 V1, 900, w FM WIRING DIAGRAMM (SOLDER SIDE 1)	3:1
				NAME	Bartenschl.		
				APPR'D			
				STD			
				PH RD IND LPM			
				BENQ mobile		286764	SHEET 1+
1	40140	07.07.2006	bar				
VERS.	CHANGE NUMBER	DATE	NAME	( Created by BOM number: A5B00920100641-40140 )			



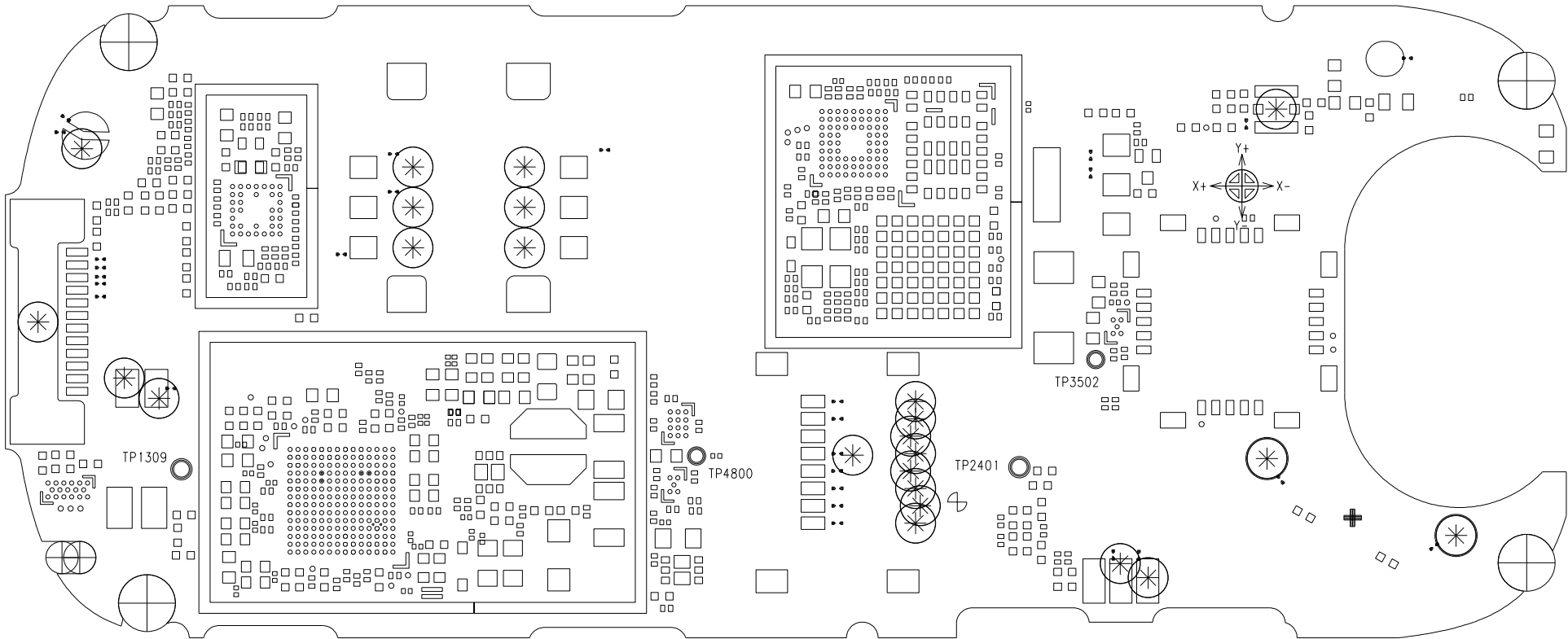


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TP1014	6A	/BREF
TP1250	9A	/F_VPP
TP1251	9A	1.8V_MEM2
TP1302	8C	/PM_WAD0G2
TP1306	5B	2.9V
TP1317	8C	/NS532316
TP1327	7C	VBUCK
TP1334	8B	/PM_RESET_N
TP1355	6B	VBOOST
TP2302	5B	/LCD_BCKLT
TP5101	8B	/NS457504
TP5901	5A	/BB_SIN26M
TP5932	5B	/NS546035
TP5933	5B	/TXBAND

				DATE	07.07.2006	Obsidian B2 Board -Q3340-E2 V1, 900, w FM TESTPOINT DIAGRAMM (SIDE 1)	3:1
				NAME	Bartenschl.		
				APPR'D			
				STD			
				PH RD IND LPM		286765	SHEET 1+
				BENQ mobile			
1	40140	07.07.2006	bar				
VERS.	CHANGE NUMBER	DATE	NAME	( Created by BOM number: A5B00920100641-40140 )			

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TP1309	38	2.65V
TP2401	78	/N554056
TP3502	78	DVDD_CAMERA
TP4800	58	MMC_VCC

				DATE	07.07.2006	Obsidian B2 Board -Q3340-E2 V1, 900, w FM TESTPOINT DIAGRAMM (SIDE 2)	3:1
				NAME	Bartenschl.		
				APPR'D			
				STD			
				PH RD IND LPM		286765	SHEET 2-
				BENQ mobile			
1	40140	07.07.2006	bar				
VERS.	CHANGE NUMBER	DATE	NAME	( Created by BOM number: A5B00920100641-40140 )			

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1		2		3		4		5	
HIERARCHY						SHEET		PDF-SHEET	
A5B00900217367-38288						index		sheet 1	
						netlist1		sheet 2	
						poslist1		sheet 3	
						page1		----	
						sheet1		sheet 4	



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	1	2	3	4	5
A	<div>KB_ON_OFF     /sheet1 9 D     /sheet1 3 E</div> <div>KP_IN0     /sheet1 9 D     /sheet1 1 B</div> <div>KP_IN1     /sheet1 9 D     /sheet1 1 B</div> <div>KP_IN2     /sheet1 9 D     /sheet1 1 C</div> <div>KP_IN3     /sheet1 9 D     /sheet1 1 C</div> <div>KP_IN4     /sheet1 9 D     /sheet1 1 D</div> <div>KP_IN5_OUT6     /sheet1 9 D     /sheet1 4 D</div> <div>KP_OUT0     /sheet1 9 D     /sheet1 1 D</div> <div>KP_OUT1     /sheet1 9 D     /sheet1 2 D</div> <div>KP_OUT2     /sheet1 9 D     /sheet1 3 D</div> <div>KP_OUT3     /sheet1 9 D     /sheet1 4 D</div> <div>LIGHT_KP     /sheet1 9 D     /sheet1 9 C</div> <div>VCC_LIGHT     /sheet1 9 A     /sheet1 9 E</div>				
B					
C					
D					
E					

				DATE	15.12.2005	MMI Obsidian Variant V1 4-layer TOP HIERARCHY LEVEL SCHEMATIC	1:1
				USER	Bak		
				APPR'D			
				MP PD HW4 AAL		273854	netlist1
				BENQ mobile			
1	38290	19.04.2006	olh				
VERS.	CHANGE NUMBER	DATE	NAME	( Created by BOM number: A5B00900217369-38290 )			

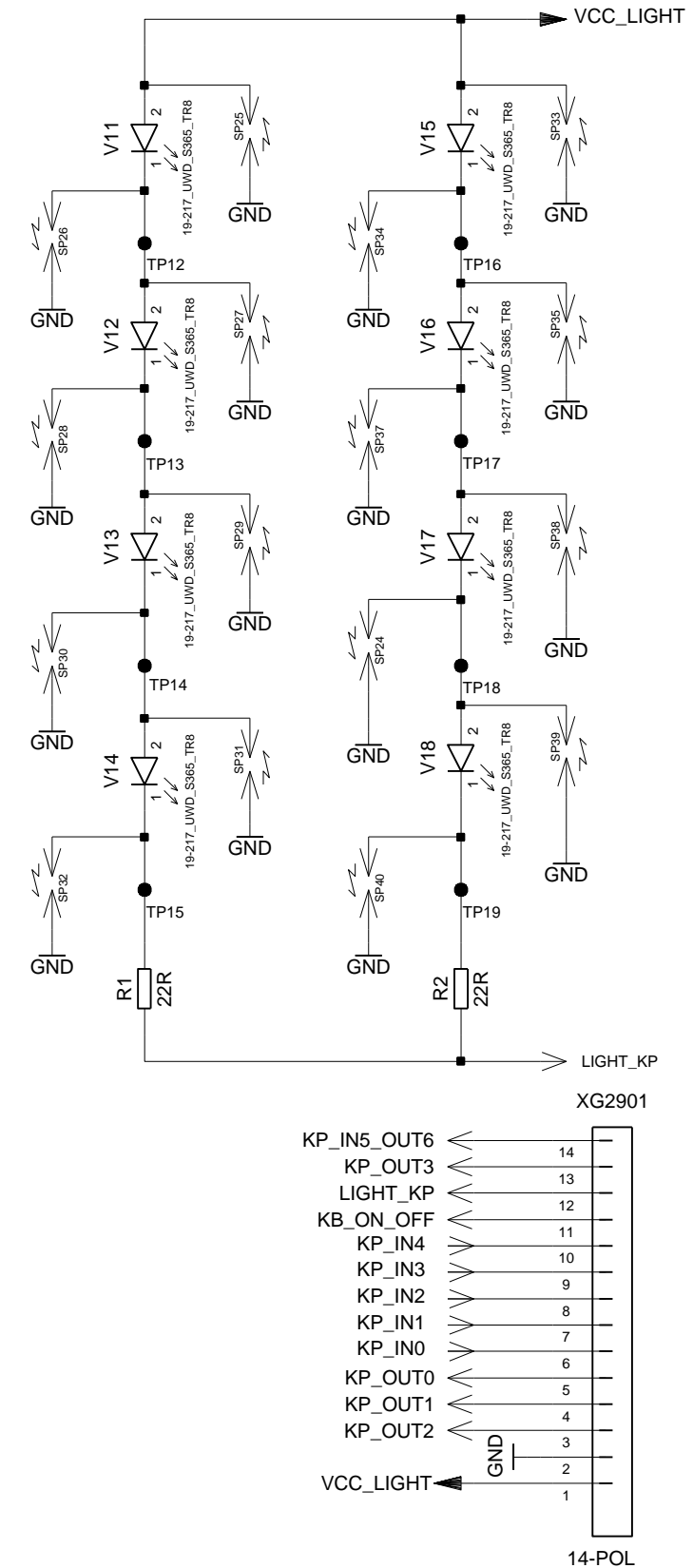
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1		2		3		4		5	
<div>R1 /sheet1 8 C R2 /sheet1 9 C TP19 /sheet1 9 C TP18 /sheet1 9 B TP17 /sheet1 9 B TP13 /sheet1 8 B TP12 /sheet1 8 A TP15 /sheet1 8 C TP16 /sheet1 9 A TP14 /sheet1 8 B V11 /sheet1 8 A V12 /sheet1 8 A V13 /sheet1 8 B V14 /sheet1 8 C V15 /sheet1 9 A V16 /sheet1 9 A V17 /sheet1 9 B V18 /sheet1 9 C</div>									
				DATE	15.12.2005	MMI Obsidian Variant V1 4-layer TOP HIERARCHY LEVEL SCHEMATIC			1:1
				USER	Bak				
				APPR'D					
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				BENQ mobile		273854			poslist1
1	38290	19.04.2006	olh						
VERS.	CHANGE NUMBER	DATE	NAME	( Created by BOM number: A5B00900217369-38290 )					

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	OBSIDIAN	
0	X	
1	X	
2	X	
3	X	
4	X	
5	X	
6	X	
7	X	
8	X	
9	X	
*	X	
#	X	
SEND	X	
END	X	
SOFT LEFT	X	
SOFT RIGHT	X	
OPERATOR		
TASK		
CUSTOMER		
NAVI UP	X	
NAVI LEFT	X	
NAVI RIGHT	X	
NAVI CENTER	X	
NAVI DOWN	X	
SIDE1/ SIDE2	X	
SIDE3/ SIDE4	X	

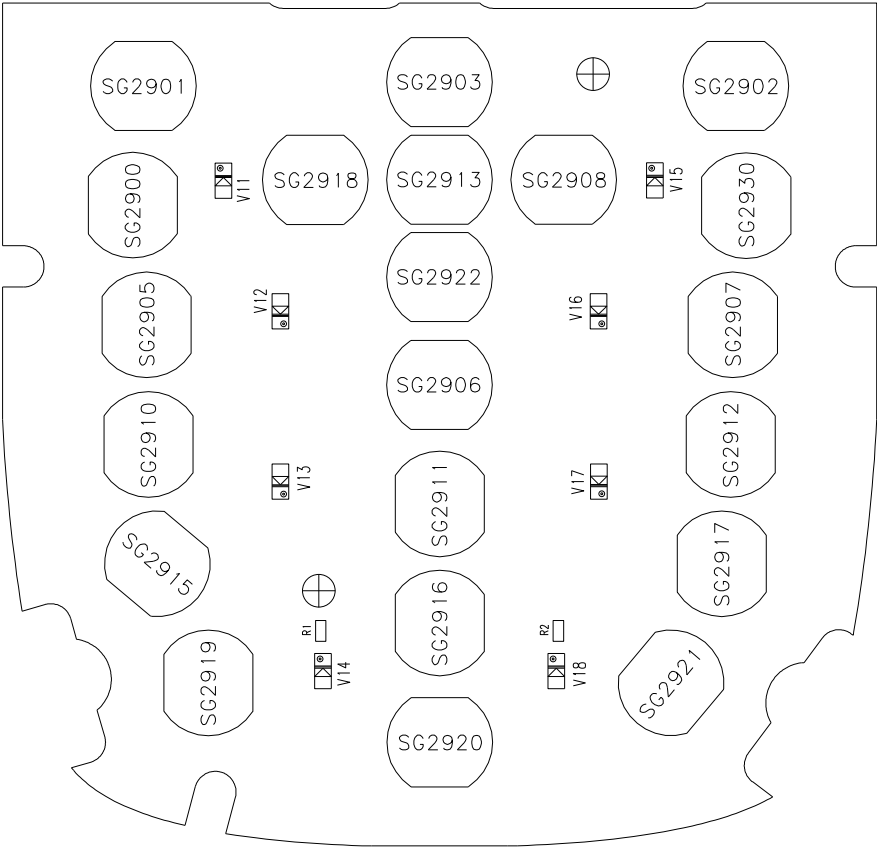


				DATE	15.12.2005	MMI Obsidian Variant V1 4-layer TOP HIERARCHY LEVEL SCHEMATIC	1:1
				USER	Bak		
				APPR'D			
				MP PD HW4 AAL			
				BENQ mobile		273854	sheet1
1	38290	19.04.2006	olh				
VERS.	CHANGE NUMBER	DATE	NAME	( Created by BOM number: A5B00900217369-38290 )			

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R1	5C
R2	6C
V11	5B
V12	5B
V13	5C
V14	5C
V15	7B
V16	6B
V17	6C
V18	6C

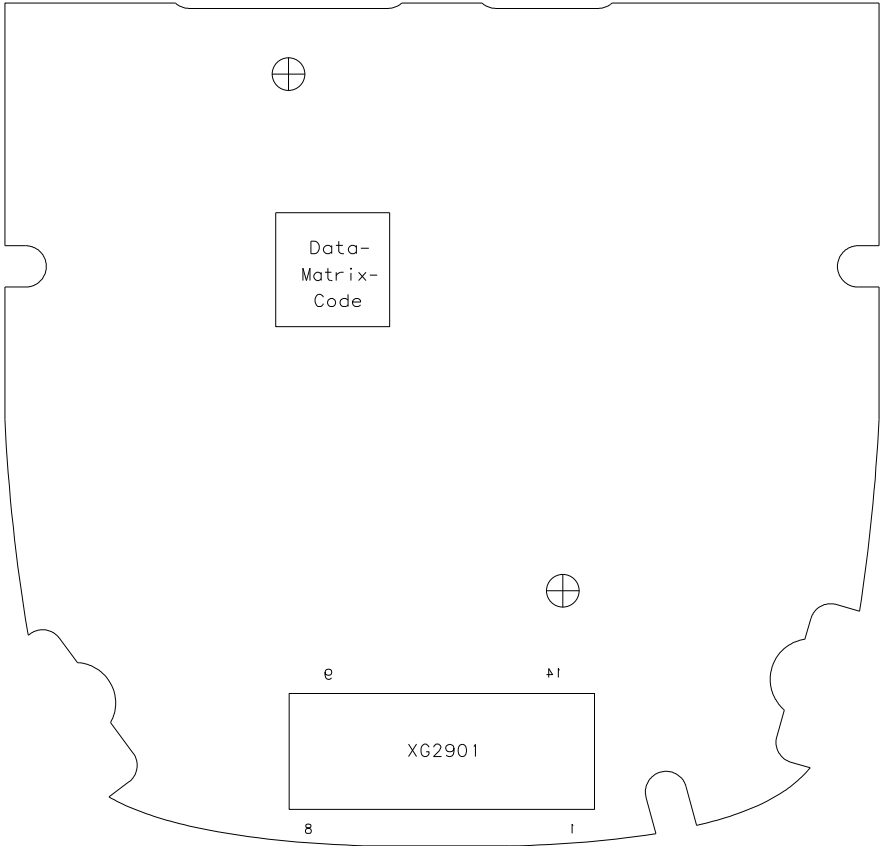


Achtung : Höhenprofil C24\_\_\_\_-\_\_\_\_-42 (gilt nur fuer Entwicklung)  
Liefervarianten siehe : V24851-Z2000-A1-\*-35

				DATE	15.12.2005	MMI Obsidian Variant V1 4-layer WIRING DIAGRAMM (SOLDER SIDE 1)	3:1
				NAME	Bak		
				APPR'D			
				STD			
				MP PD HW4 AAL			
				BENQ mobile		273855	SHEET
1	38290	19.04.2006	o1h				1+
VERS.	CHANGE NUMBER	DATE	NAME	( Created by BOM number: A5B00900217369-38290 )			

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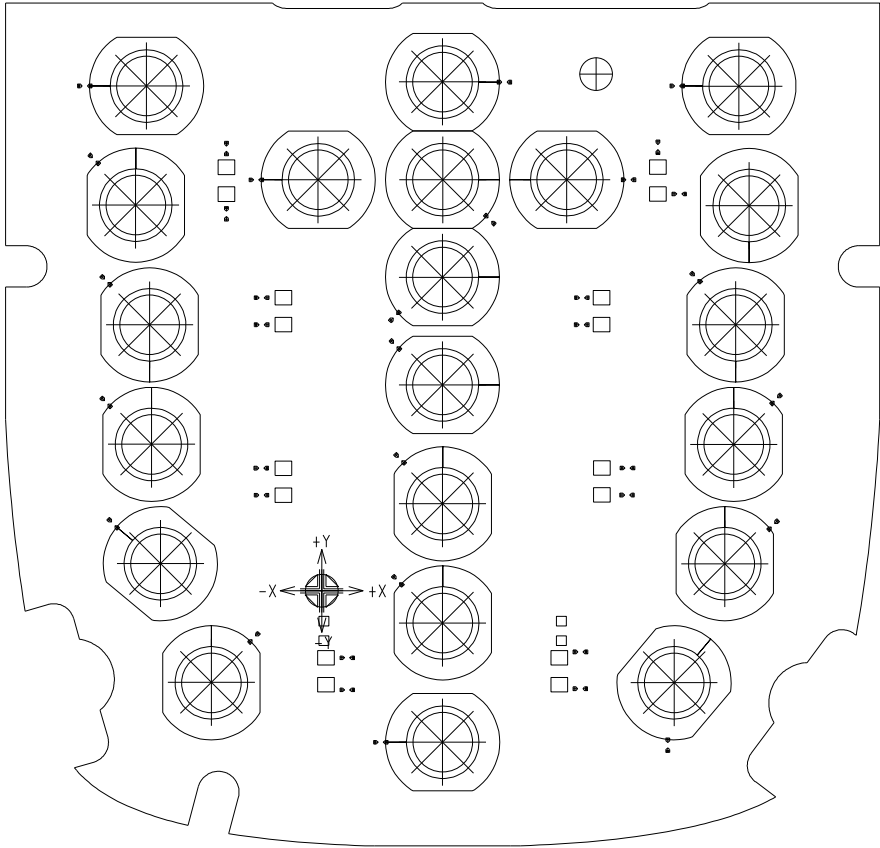


Achtung : Höhenprofil C24\_\_\_\_-\_\_\_\_-\_\_\_\_-42 (gilt nur fuer Entwicklung)  
Liefervarianten siehe : V24851-Z2000-A1-\*-35

				DATE	15.12.2005	MMI Obsidian Variant V1 4-layer WIRING DIAGRAMM (SOLDER SIDE 2)	3:1
				NAME	Bak		
				APPR'D			
				STD			
				MP PD HW4 AAL		273855	SHEET 2+
				BENQ mobile			
1	38290	19.04.2006	o1h				
VERS.	CHANGE NUMBER	DATE	NAME	( Created by BOM number: A5B00900217369-38290 )			

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				DATE	15.12.2005	MMI Obsidian Variant V1 4-layer TESTPOINT DIAGRAMM (SIDE 1)	3:1
				NAME	Bak		
				APPR'D			
				STD			
				MP PD HW4 AAL		273856	SHEET 1+
				BENQ mobile			
1	38290	19.04.2006	o1h				
VERS.	CHANGE NUMBER	DATE	NAME	( Created by BOM number: A5B00900217369-38290 )			

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ALLE RECHTE VORBEHALTEN

1 2 3 4 5 6 7 8 9 10

A

B

C

D

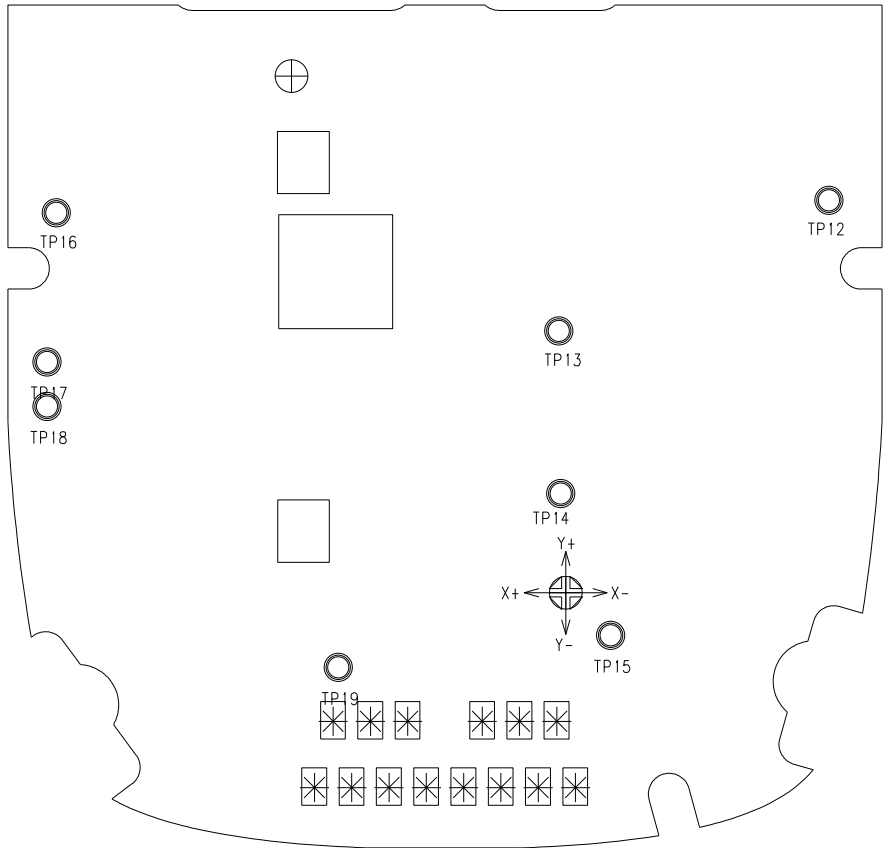
E

A

B

C

D



TP12	6B	/NS11119
TP13	5B	/NS11120
TP14	5C	/NS11122
TP15	5C	/NS12159
TP16	3B	/NS11123
TP17	3B	/NS12370
TP18	3B	/NS12369
TP19	4C	/NS12368

				DATE	15.12.2005	MMI Obsidian Variant V1 4-layer TESTPOINT DIAGRAMM (SIDE 2)	3:1
				NAME	Bak		
				APPR'D			
				STD			
				MP PD HW4 AAL		273856	SHEET 2-
				BENQ mobile			
1	38290	19.04.2006	o1h				
VERS.	CHANGE NUMBER	DATE	NAME	( Created by BOM number: A5B00900217369-38290 )			

1 2 3 4 5