

GPIO List

Neptune pins		Ying GPIO Signal name and usage		
GPIO Name	Ball	Signal name	Usage	Mode setting
gpio_0	M15	CAM_VS	CAM_VS	mode0
gpio_1	W21	CAM_RST	CAM_RST	mode0
gpio_2	J15	RAZ_VRSIM	RAZ_VRSIM	mode0
gpio_3	B8	CAM_HS	CAM_HS	mode0
gpio_4	C3	Nemu1	Nemu1	mode0
gpio_5	A7	ADC_STROBE	ADC_STROBE	mode0
gpio_6	T18	NC	NC	mode3
gpio_7	K1	FM_INT	FM_INT	mode0
gpio_8	W17	FM_RST	FM Reset	mode1
gpio_9	W16	NC	NC	mode0
gpio_10	Y16	RST_BT	BT Reset	mode0
gpio_11	R9	LDO_NRST	LDO_NRST	mode0
gpio_12	A1	F_A 17	F_A 17	mode0
gpio_13	G9	TXD_ACB	TXD_ACB	mode0
gpio_14	Y18	CAM_STBY	Camera standby	mode0
gpio_15	Y17	IT_HOOK	IT_HOOK	mode0
gpio_16	V15	USB_0_TXEN	USB_0_TXEN	mode0
gpio_17	V15	USB_0_SE0	USB_0_SE0	mode0
gpio_18	V17	CAM_AVDD_EN	Camera LDO Enable	mode0
gpio_19	H10	HP_POWER_EN	HPF Amp LDO enable	mode0
gpio_20	V19	LDO_RS	LDO_RS	mode0
gpio_21	AA12	Reserved for RF(Skyworks)	Reserved for RF(Skyworks)	mode1
gpio_22	V10	F_A 22	F_A 22	mode0
gpio_23	C10	CAM_D	CAM_D	mode0
gpio_24	AA10	F_A 23	F_A 23	mode0
gpio_25	D10	CAM_D 5	CAM_D 5	mode0
gpio_26	W10	F_A 2	F_A 2	mode0
gpio_27	C11	CAM_D 6	CAM_D 6	mode0
gpio_28	P10	F_A 25	F_A 25	mode0
gpio_29	D11	CAM_D 7	CAM_D 7	mode0
gpio_30	E18	LDO_D 2	LDO_D 2	mode0
gpio_31	W11	F_RDY	F_RDY	mode0
gpio_32	D17	SPL_CS_BT	SPL_CS_BT	mode0
gpio_33	V18	SPL_MOSI_BT	SPL_MOSI_BT	mode0
gpio_34	E18	RXD_ACB	RXD_ACB	mode0
gpio_35	C18	NC	NC	mode0
gpio_36	Y8	F_A 18	F_A 18	mode0
gpio_37	H19	LDO_D8	LDO_D8	mode0
gpio_38	G12	SECULATCH	SECULATCH	mode0
gpio_39	P13	NC	NC	mode0
gpio_40	C7	QS_VS	QS_VS	mode0
gpio_41	W18	RXD_EXT	RXD_EXT	mode0
gpio_42	AA13	MSM_BS	MSM_BS	mode0
gpio_43	J20	AID_PING_ENABLE	AID_PING_ENABLE	mode5
gpio_44	J18	OVERTEMP	CHIP OVERTEMP	mode5
gpio_45	V9	F_NC53	Nor Flash CS	mode0
gpio_46	V12	CP_EN_SET	LED Driver CE	mode0
gpio_47	Y12	EDB_OUTPUT_ENABLE	EDB_OUTPUT_ENABLE	mode3
gpio_48	AA18	TXD_EXT	TXD_EXT	mode0
gpio_49	A47	F_A 19	F_A 19	mode0
gpio_50	D12	SPL_INT_BT	SPL_INT_BT	mode0
gpio_51	B12	SECUSTATUS	SECUSTATUS	mode0
gpio_52	G13	MSM_NS	M2 Card Detect	mode0
gpio_53	B9	F_A 20	F_A 20	mode0
gpio_54	B15	RXD_ACB	RXD_ACB	mode0
gpio_55	B1	BCLK_BT	BCLK_BT	mode0
gpio_56	D13	SYNC_BT	SYNC_BT	mode0
gpio_57	D13	DOUT_BT	DOUT_BT	mode0
gpio_58	W16	USB_0_RCV	USB_0_RCV	mode0
gpio_59	A19	RF_SYSClk	RF_SYSClk	mode0
gpio_60	AA17	USB_0_DAT	USB_0_DAT	mode0
gpio_61	W12	MRSENSE	Hall sensor	mode3
gpio_62	B5	VSP_VDX	VSP_VDX	mode1
gpio_63	E10	F_A 21	F_A 21	mode0
gpio_64	A13	Reserved for RF(Skyworks)	Reserved for RF(Skyworks)	mode0
gpio_65	H12	NT	NT	mode0
gpio_66	D19	RXD_EXT	RXD_EXT	mode0
gpio_67	B18	LDO_RAD_CE	LDO_RAD_CE	mode2
gpio_68	D8	QS_S0X	QS_S0X	mode0
gpio_69	H21	SPKLAMP_EN	For L-Speaker Amp enable	mode5
gpio_70	V21	SPKRAMP_EN	For R-Speaker Amp enable	mode3

Power List

Item	DC-DC or LDO	Voltage(V)	Current(mA)	Power Source	Supply Target
VR0BB	step down DC-DC	0.95-1.1/step=30	600	main battery	Core of modem processor
VR0UB	LDO	3.3	15	main battery	USB module
VR0LED	step up DC-DC	20	60	main battery	White LEDs
VR0PL	LDO	1.05,1.3 or 1.1	10	main battery	PLLs
VR0BB	LDO	2.8	80	main battery	Tx on Analog Part
VR0TC&BRRTC	LDO	1.8	20 0.03	main battery	32KHz Power Management System
VR0EXT	programmable LDO	1.8/2.8	200/100	main battery	external peripheral
VR0EXTL	programmable LDO	1.8/2.8	100	main battery	external peripheral
VR0MMC	programmable LDO	1.8/2.85	100	main battery	external MMC device
VR0SM	programmable LDO	1.8/2.86	15	main battery	SMI card/SD card driver
VR0M	LDO	1.8	200	main battery	system O
VR0MEM	LDO	1.8	200	main battery	external SRAM
VR0Z	LDO	2.85	300	main battery	M2 Card
CAM_AVDD	LDO	2.8	150	main battery	Camera(backup)
N500 (Audio power)	LDO	1.8	150	main battery	Audio PA Power(backup)
N2801(Keyboard backlight driver)	Charge Pump	11	180(total)	main battery	Keyboard backlight driver

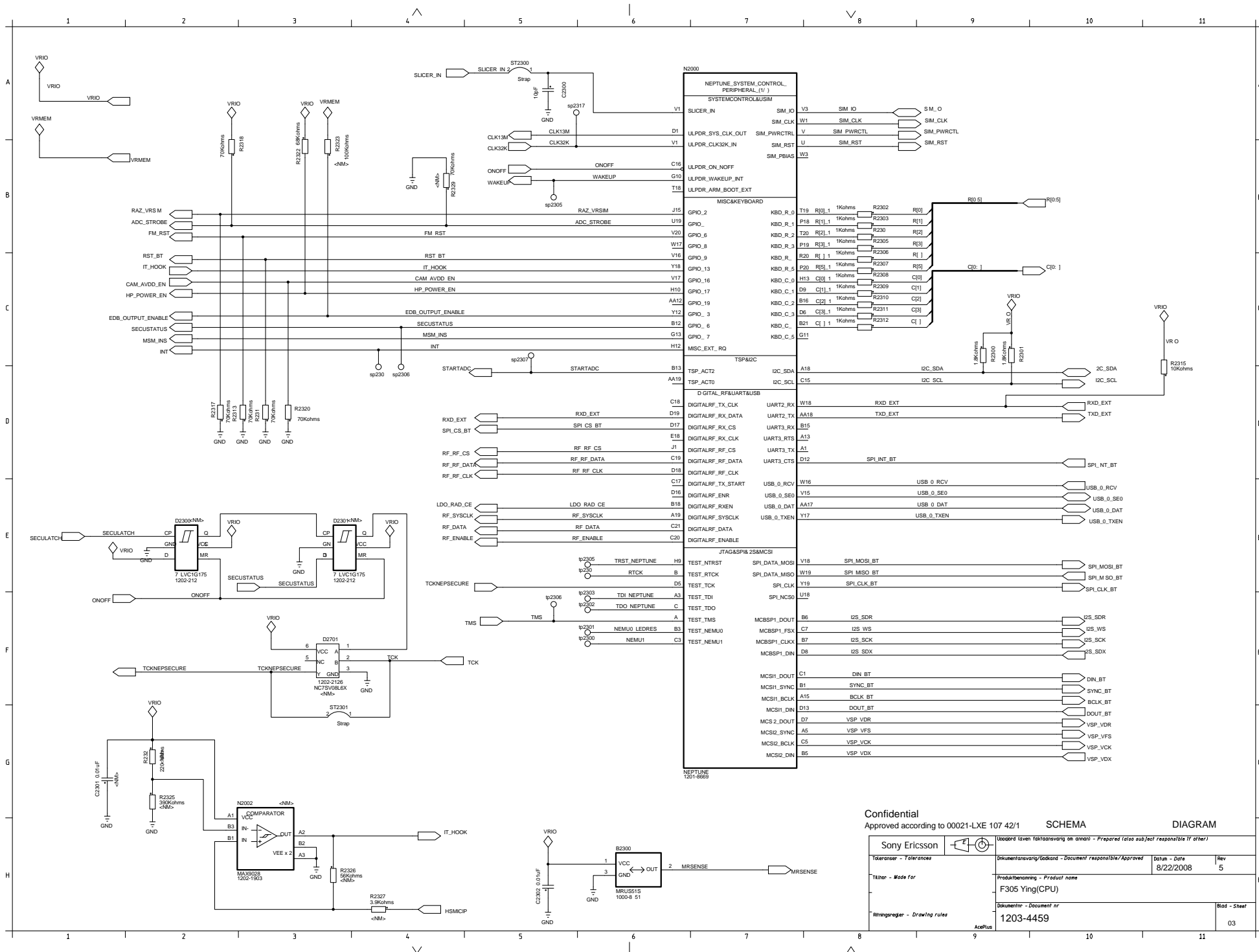
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SCHEMA

DIAGRAM

Sony Ericsson		Uppskat (given faktiska svärg om annan) - Prepared (also subject responsible if other)	
Toleranser - Tolerances		Dokumentansvarig/Sedband - Document responsible/Approved	Datum - Date 8/22/2008
Tillhör - Mode for		Produktbenämning - Product name	Rev 5
Styrregler - Drawing rules		Dokumentnr - Document nr	
		1203-4459	Blad - Sheet 01



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Toleranser - Tolerances		Dokumentansvarig/Idkand - Document responsible/Approved	
Tillver - Made for		Datum - Date	
Ritningsregler - Drawing rules		Rev 5	
		Produktbenämning - Product name	
		F305 Ying(CPU)	
		Dokumentnr - Document nr	
		1203-4459	
		Blad - Sheet	
		03	

