BBG HDR PIN	T2 NAME	LINUX PIN	ADDRESS 44e10000+	SCHEMATIC LABEL	PRU PIN NAME	GPIO BANK	PIN IN BANK	GPIO#	MODE	DIR	PUL LDIS	PUL L UP	#	CONFIG	NOTES
EAST TERMINAL															
P9_28	ET_TXRDY	103	0x99C/19C	SPI1_CS0	pr1_pru0_pru_r30_3	3	17	113	5	output	1	0	13	0x0d	kills spi1
P9_42B	ET_TXDAT	104	0x9A0/1A0	GPIO3_18	pr1_pru0_pru_r30_4	3	18	114	5	output	1	0	13	0x0d	gpio0[7] must be input
P9_31	ET_RXRDY	100	0x990/190	SPI1_SCLK	pr1_pru0_pru_r31_0	3	14	110	6	input	1	0	46	0x2e	kills spi1
P9_29	ET_RXDAT	101	0x994/194	SP1_D0	pr1_pru0_pru_r31_1	3	15	111	6	input	1	0	46	0x2e	kills spi1
P8_07	ET_ORQLK	36	0x890/090	TIMER4		2	2	66	7	output	1	0	15	0x0f	
P8_08	ET_OGRLK	37	0x894/094	TIMER7		2	3	67	7	output	1	0	15	0x0f	
P8_09	ET_IRQLK	39	0x89C/09C	TIMER5		2	5	69	7	input	1	0	47	0x2f	
P8_10	ET_IGRLK	38	0x898/098	TIMER6		2	4	68	7	input	1	0	47	0x2f	
SOUTHEAST TERMINAL															
P9_27	SE_TXRDY	105	0x9A4/1A4	GPIO3_19	pr1_pru0_pru_r30_5	3	19	115	5	output	1	0	13	0x0d	
P9_41B	SE_TXDAT	106	0x9A8/1A8	GPIO3_20	pr1_pru0_pru_r30_6	3	20	116	5	output	1	0	13	0x0d	gpio0[20] must be input
P9_30	SE_RXRDY	102	0x998/198	SP1_D1	pr1_pru0_pru_r31_2	3	16	112	6	input	1	0	46	0x2e	kills spi1
P8_16	SE_RXDAT	14	0x838/038	GPIO1_14	pr1_pru0_pru_r31_14	1	14	46	6	input	1	0	46	0x2e	
P8_11	SE_ORQLK	13	0x834/034	GPIO1_13		1	13	45	7	output	1	0	15	0x0f	Mode6: pr1_pru0_pru_r30_15
P8_13	SE_OGRLK	9	0x824/024	EHRPWM2B		0	23	23	7	output	1	0	15	0x0f	
P8_14	SE_IRQLK	10	0x828/028	GPIO0_26		0	26	26	7	input	1	0	47	0x2f	
P8_17	SE_IGRLK	11	0x82C/02C	GPIO0_27		0	27	27	7	input	1	0	47	0x2f	
SOUTHWEST TERMINAL															
P9_25	SW_TXRDY	107	0x9AC/1AC	GPIO3_21	pr1_pru0_pru_r30_7	3	21	117	5	output	1	0	13	0x0d	
P8_12	SW_TXDAT	12	0x830/030	GPIO1_12	pr1_pru0_pru_r30_14	1	12	44	6	output	1	0	14	0x0e	
P8_15	SW_RXRDY	15	0x83C/03C	GPIO1_15	pr1_pru0_pru_r31_15	1	15	47	6	input	1	0	46	0x2e	
P9_24	SW_RXDAT	97	0x984/184	UART1_TXD	pr1_pru0_pru_r31_16	0	15	15	6	input	1	0	46	0x2e	Or P9_41A?
P8_18	SW_ORQLK	35	0x88C/08C	GPIO2_10		2	1	65	7	output	1	0	15	0x0f	
P8_19	SW_OGRLK	8	0x820/020	EHRPWM2A		0	22	22	7	output	1	0	15	0x0f	
P8_26	SW_IRQLK	31	0x87C/07C	GPIO1_29		1	29	61	7	input	1	0	47	0x2f	pru1_r31_13 or r30_13 also
P8_31	SW_IGRLK	54	0x8D8/0D8	UART5_CTSN		0	10	10	7	input	1	0	47	0x2f	pru1_r31_12 or r30_12 also
WEST TERMINAL															
P8_45	WT_TXRDY	40	0x8A0/0A0	GPIO2_6	pr1_pru1_pru_r30_0	2	6	70	5	output	1	0	13	0x0d	
P8_46	WT_TXDAT	41	0x8A4/0A4	GPIO2_7	pr1_pru1_pru_r30_1	2	7	71	5	output	1	0	13	0x0d	
P8_39	WT_RXRDY	46	0x8B8/0B8	GPIO2_12	pr1_pru1_pru_r31_6	2	12	76	6	input	1	0	46	0x2e	
P8_40	WT_RXDAT	47	0x8BC/0BC	GPIO2_13	pr1_pru1_pru_r31_7	2	13	77	6	input	1	0	46	0x2e	
P8_32	WT_ORQLK	55	0x8DC/0DC	UART5_RTSN		0	11	11	7	output	1	0	15	0x0f	
P8_33	WT_OGRLK	53	0x8D4/0D4	UART4_RTSN		0	9	9	7	output	1	0	15	0x0f	
P8_34	WT_IRQLK	51	0x8CC/0CC	UART3_RTSN		2	17	81	7	input	1	0	47	0x2f	
P8_35	WT_IGRLK	52	0x8D0/0D0	UART4_CTSN		0	8	8	7	input	1	0	47	0x2f	

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BBG HDR PIN	T2 NAME	LINUX PIN	ADDRESS 44e10000+	SCHEMATIC LABEL	PRU PIN NAME	GPIO BANK	PIN IN BANK	GPIO#	MODE	DIR	PUL LDIS	PUL L UP	#	CONFIG	NOTES
NORTHWEST TERMINAL															
P8_27	NW_TXRDY	56	0x8E0/0E0	GPIO2_22	pr1_pru1_pru_r30_8	2	22	86	5	output	1	0	13	0x0d	swapped NW_RXRDY in 218
P8_29	NW_TXDAT	57	0x8E4/0E4	GPIO2_23	pr1_pru1_pru_r30_9	2	23	87	5	output	1	0	13	0x0d	swapped NW_RXDAT in 218
P8_43	NW_RXRDY	42	0x8A8/0A8	GPIO2_8	pr1_pru1_pru_r31_2	2	8	72	6	input	1	0	46	0x2e	swapped NW_TXRDY in 218
P8_44	NW_RXDAT	43	0x8AC/0AC	GPIO2_9	pr1_pru1_pru_r31_3	2	9	73	6	input	1	0	46	0x2e	swapped NW_TXDAT in 218
P8_36	NW_ORQLK	50	0x8C8/0C8	UART3_CTSN		2	16	80	7	output	1	0	15	0x0f	
P8_37	NW_OGRLK	48	0x8C0/0C0	UART5_TXD		2	14	78	7	output	1	0	15	0x0f	
P8_38	NW_IRQLK	49	0x8C4/0C4	UART5_RXD		2	15	79	7	input	1	0	47	0x2f	
P9_12	NW_IGRLK	30	0x878/078	GPIO1_28		1	28	60	7	input	1	0	47	0x2f	
NORTHEAST TERMINAL															
P8_28	NE_TXRDY	58	0x8E8/0E8	GPIO2_24	pr1_pru1_pru_r30_10	2	24	88	5	output	1	0	13	0x0d	swapped NE_RXRDY in 218
P8_30	NE_TXDAT	59	0x8EC/0EC	GPIO2_25	pr1_pru1_pru_r30_11	2	25	89	5	output	1	0	13	0x0d	swapped NE_RXDAT in 218
P8_41	NE_RXRDY	44	0x8B0/0B0	GPIO2_10	pr1_pru1_pru_r31_4	2	10	74	6	input	1	0	46	0x2e	swapped NE_TXRDY in 218
P8_42	NE_RXDAT	45	0x8B4/0B4	GPIO2_11	pr1_pru1_pru_r31_5	2	11	75	6	input	1	0	46	0x2e	swapped NE_RXDAT in 218
P9_14	NE_ORQLK	18	0x848/048	EHRPWM1A		1	18	50	7	output	1	0	15	0x0f	
P9_16	NE_OGRLK	19	0x84C/04C	EHRPWM1B		1	19	51	7	output	1	0	15	0x0f	
P9_23	NE_IRQLK	17	0x844/044	GPIO1_17		1	17	49	7	input	1	0	47	0x2f	
P9_26	NE_IGRLK	96	0x980/180	UART1_RXD		0	14	14	7	input	1	0	47	0x2f	
SPI DISPLAY + TOUCH															
P9_11	DSP_PWRON	28	0x870/070	UART4_RXD		0	30	30	7	output	0	1	23	0x17	active high to power LCD
P9_13	DSP_WAKE	29	0x874/074	UART4_TXD		0	31	31	7	output	0	1	23	0x17	active high or low?
P9_15	DSP_DC	16	0x840/040	GPIO1_16		1	16	48	7	output	0	1	23	0x17	display data/cmd flag
P9_19	TP_IRQ	95	0x97C/17C	I2C2_SCL		0	13	13	7	input	0	1	55	0x37	active low touch irq
P9_20	TP_CS	94	0x978/178	I2C2_SDA		0	12	12	7	output	0	1	23	0x17	active low tp chip select
P9_17	SPI0_CS0	87	0x95C/15C	I2C1_SCL		0	5	5	0	output	0	1	16	0x10	active low lcd chip select
P9_18	SPI0_D1	86	0x958/158	I2C1_SDA		0	4	4	0	input	0	1	48	0x30	TP_MISO if TP_IRQ
P9_21	SPI0_D0	85	0x954/154	UART2_TXD		0	3	3	0	output	0	1	16	0x10	output to LCD
P9_22	SPI0_SCLK	84	0x950/150	UART2_RXD		0	2	2	0	output	0	1	16	0x10	LCD / TP clock
CONFLICT PINS															
P9_41A	RSRVINP1	109	0x9B4/1B4	CLKOUT2		0	20	20	7	input	1	0	47	0x2f	avoid P9_41B conflict
P9_42A	RSRVINP2	89	0x964/164	GPIO0_7		0	7	7	7	input	1	0	47	0x2f	avoid P9_42B conflict