RV1103 GPIO

Name	Config	Description	Register	Position	Value	IO Command
GPIO0A4	IOmux	PMIC_SLEEP_M0	0xFF388004	[0,2]	1	io -4 0xFF388004 0x00070001
		PWM1_M0	0xFF388004	[0,2]	2	io -4 0xFF388004 0x00070002
		GPIO0_A4	0xFF388004	[0,2]	0	io -4 0xFF388004 0x00070000
	Pull	normal	0xFF388038	[8,9]	0	io -4 0xFF388038 0x03000000
		pullup	0xFF388038	[8,9]	1	io -4 0xFF388038 0x03000100
		pulldown	0xFF388038	[8,9]	2	io -4 0xFF388038 0x03000200
	I/O Mode	input	0xFF380008	[4,4]	0	io -4 0xFF380008 0x00100000
		output	0xFF380008	[4,4]	1	io -4 0xFF380008 0x00100010
	Output	low	0xFF380000	[4,4]	0	io -4 0xFF380000 0x00100000
		high	0xFF380000	[4,4]	1	io -4 0xFF380000 0x00100010
	Input Ctrl	disable	0xFF388030	[4,4]	0	io -4 0xFF388030 0x00100000
		enable	0xFF388030	[4,4]	1	io -4 0xFF388030 0x00100010
	Schmitt	disable	0xFF388058	[4,4]	0	io -4 0xFF388058 0x00100000
		enable	0xFF388058	[4,4]	1	io -4 0xFF388058 0x00100010
	Drive Strength	level0	0xFF388018	[0,5]	1	io -4 0xFF388018 0x003F0001
		level1	0xFF388018	[0,5]	3	io -4 0xFF388018 0x003F0003
		level2	0xFF388018	[0,5]	7	io -4 0xFF388018 0x003F0007
		level3	0xFF388018	[0,5]	15	io -4 0xFF388018 0x003F000F
		level4	0xFF388018	[0,5]	31	io -4 0xFF388018 0x003F001F
		level5	0xFF388018	[0,5]	63	io -4 0xFF388018 0x003F003F
	ExtPort	read gpio data in input mode	0xFF380070	[4,4]		io -4 0xFF380070
GPIO1A2	IOmux	PWM0_M0	0xFF538000	[8,10]	1	io -4 0xFF538000 0x07000100
		AVS_ARM	0xFF538000	[8,10]	2	io -4 0xFF538000 0x07000200
		VICAP_D0_M1	0xFF538000	[8,10]	3	io -4 0xFF538000 0x07000300
		GPIO1_A2	0xFF538000	[8,10]	0	io -4 0xFF538000 0x07000000
	Pull	normal	0xFF5381C0	[4,5]	0	io -4 0xFF5381C0 0x00300000
		pullup	0xFF5381C0	[4,5]	1	io -4 0xFF5381C0 0x00300010
		pulldown	0xFF5381C0	[4,5]	2	io -4 0xFF5381C0 0x00300020
	I/O Mode	input	0xFF530008	[2,2]	0	io -4 0xFF530008 0x00040000
		output	0xFF530008	[2,2]	1	io -4 0xFF530008 0x00040004
	Output	low	0xFF530000	[2,2]	0	io -4 0xFF530000 0x00040000
		high	0xFF530000	[2,2]	1	io -4 0xFF530000 0x00040004
	Input Ctrl	disable	0xFF538180	[2,2]	0	io -4 0xFF538180 0x00040000
		enable	0xFF538180	[2,2]	1	io -4 0xFF538180 0x00040004
	Schmitt	disable	0xFF538280	[2,2]	0	io -4 0xFF538280 0x00040000
		enable	0xFF538280	[2,2]	1	io -4 0xFF538280 0x00040004
	Drive Strength	level0	0xFF538084	[0,5]	1	io -4 0xFF538084 0x003F0001
		level1	0xFF538084	[0,5]	3	io -4 0xFF538084 0x003F0003
		level2	0xFF538084	[0,5]	7	io -4 0xFF538084 0x003F0007
		level3	0xFF538084	[0,5]	15	io -4 0xFF538084 0x003F000F
		level4	0xFF538084	[0,5]	31	io -4 0xFF538084 0x003F001F
		level5	0xFF538084	[0,5]	63	io -4 0xFF538084 0x003F003F
	ExtPort	read gpio data in input mode	0xFF530070	[2,2]		io -4 0xFF530070
	IOmux	A7_JTAG_TCK_M1	0xFF538008	[8,10]	1	io -4 0xFF538008 0x07000100
		UART2_TX_M1	0xFF538008	[8,10]	2	io -4 0xFF538008 0x07000200
		HPMCU_JTAG_TCK_M0	0xFF538008	[8,10]	3	io -4 0xFF538008 0x07000300
		LPMCU_JTAG_TCK_M0	0xFF538008	[8,10]	4	io -4 0xFF538008 0x07000400
		GPIO1_B2	0xFF538008	[8,10]	0	io -4 0xFF538008 0x07000000
		normal	0xFF5381C4	[4,5]	0	io -4 0xFF5381C4 0x00300000

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Name	Config	Description	Register	Position	Value	IO Command
GPIO1B2	Pull	pullup	0xFF5381C4	[4,5]	1	io -4 0xFF5381C4 0x00300010
		pulldown	0xFF5381C4	[4,5]	2	io -4 0xFF5381C4 0x00300020
	I/O Mode	input	0xFF530008	[10,10]	0	io -4 0xFF530008 0x04000000
		output	0xFF530008	[10,10]	1	io -4 0xFF530008 0x04000400
	Output	low	0xFF530000	[10,10]	0	io -4 0xFF530000 0x04000000
		high	0xFF530000	[10,10]	1	io -4 0xFF530000 0x04000400
	Input Ctrl	disable	0xFF538184	[2,2]	0	io -4 0xFF538184 0x00040000
		enable	0xFF538184	[2,2]	1	io -4 0xFF538184 0x00040004
	Schmitt	disable	0xFF538284	[2,2]	0	io -4 0xFF538284 0x00040000
		enable	0xFF538284	[2,2]	1	io -4 0xFF538284 0x00040004
	Drive Strength	level0	0xFF538094	[0,5]	1	io -4 0xFF538094 0x003F0001
		level1	0xFF538094	[0,5]	3	io -4 0xFF538094 0x003F0003
		level2	0xFF538094	[0,5]	7	io -4 0xFF538094 0x003F0007
		level3	0xFF538094	[0,5]	15	io -4 0xFF538094 0x003F000F
		level4	0xFF538094	[0,5]	31	io -4 0xFF538094 0x003F001F
		level5	0xFF538094	[0,5]	63	io -4 0xFF538094 0x003F003F
	ExtPort	read gpio data in input mode	0xFF530070	[10,10]		io -4 0xFF530070
GPIO1B3	IOmux	A7_JTAG_TMS_M1	0xFF538008	[12,14]	1	io -4 0xFF538008 0x70001000
		UART2_RX_M1	0xFF538008	[12,14]	2	io -4 0xFF538008 0x70002000
		HPMCU_JTAG_TMS_M0	0xFF538008	[12,14]	3	io -4 0xFF538008 0x70003000
		LPMCU_JTAG_TMS_M0	0xFF538008	[12,14]	4	io -4 0xFF538008 0x70004000
		GPIO1_B3	0xFF538008	[12,14]	0	io -4 0xFF538008 0x70000000
	Pull	normal	0xFF5381C4	[6,7]	0	io -4 0xFF5381C4 0x00C00000
		pullup	0xFF5381C4	[6,7]	1	io -4 0xFF5381C4 0x00C00040
		pulldown	0xFF5381C4	[6,7]	2	io -4 0xFF5381C4 0x00C00080
	I/O Mode	input	0xFF530008	[11,11]	0	io -4 0xFF530008 0x08000000
		output	0xFF530008	[11,11]	1	io -4 0xFF530008 0x08000800
	Output	low	0xFF530000	[11,11]	0	io -4 0xFF530000 0x08000000
		high	0xFF530000	[11,11]	1	io -4 0xFF530000 0x08000800
	Input Ctrl	disable	0xFF538184	[3,3]	0	io -4 0xFF538184 0x00080000
		enable	0xFF538184	[3,3]	1	io -4 0xFF538184 0x00080008
	Schmitt	disable	0xFF538284	[3,3]	0	io -4 0xFF538284 0x00080000
		enable	0xFF538284	[3,3]	1	io -4 0xFF538284 0x00080008
	Drive Strength	level0	0xFF538094	[8,13]	1	io -4 0xFF538094 0x3F000100
		level1	0xFF538094	[8,13]	3	io -4 0xFF538094 0x3F000300
		level2	0xFF538094	[8,13]	7	io -4 0xFF538094 0x3F000700
		level3	0xFF538094	[8,13]	15	io -4 0xFF538094 0x3F000F00
		level4	0xFF538094	[8,13]	31	io -4 0xFF538094 0x3F001F00
		level5	0xFF538094	[8,13]	63	io -4 0xFF538094 0x3F003F00
	ExtPort	read gpio data in input mode	0xFF530070	[11,11]		io -4 0xFF530070
GPIO1C0	IOmux	LCD_D7	0xFF538010	[0,2]	1	io -4 0xFF538010 0x00070001
		VICAP_D2_M1	0xFF538010	[0,2]	2	io -4 0xFF538010 0x00070002
		PWM2_M2	0xFF538010	[0,2]	3	io -4 0xFF538010 0x00070003
		SPI0_CS0N_M0	0xFF538010	[0,2]	4	io -4 0xFF538010 0x00070004
		SDMMC1_D1_M1	0xFF538010	[0,2]	5	io -4 0xFF538010 0x00070005
		GPIO1_C0	0xFF538010	[0,2]	0	io -4 0xFF538010 0x00070000
	Pull	normal	0xFF5381C8	[0,1]	0	io -4 0xFF5381C8 0x00030000
		pullup	0xFF5381C8	[0,1]	1	io -4 0xFF5381C8 0x00030001
		pulldown	0xFF5381C8	[0,1]	2	io -4 0xFF5381C8 0x00030002
	I/O Mode	input	0xFF53000C	[0,0]	0	io -4 0xFF53000C 0x00010000
		output	0xFF53000C	[0,0]	1	io -4 0xFF53000C 0x00010001
	Output	low	0xFF530004	[0,0]	0	io -4 0xFF530004 0x00010000
		high	0xFF530004	[0,0]	1	io -4 0xFF530004 0x00010001
	Input Ctrl	disable	0xFF538188	[0,0]	0	io -4 0xFF538188 0x00010000
		enable	0xFF538188	[0,0]	1	io -4 0xFF538188 0x00010001
	Schmitt	disable	0xFF538288	[0,0]	0	io -4 0xFF538288 0x00010000
		enable	0xFF538288	[0,0]	1	io -4 0xFF538288 0x00010001
	Drive Strength	level0	0xFF5380A0	[0,5]	1	io -4 0xFF5380A0 0x003F0001
		level1	0xFF5380A0	[0,5]	3	io -4 0xFF5380A0 0x003F0003
		level2	0xFF5380A0	[0,5]	7	io -4 0xFF5380A0 0x003F0007
		level3	0xFF5380A0	[0,5]	15	io -4 0xFF5380A0 0x003F000F

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Name	Config	Description	Register	Position	Value	IO Command
		level4	0xFF5380A0	[0,5]	31	io -4 0xFF5380A0 0x003F001F
		level5	0xFF5380A0	[0,5]	63	io -4 0xFF5380A0 0x003F003F
	ExtPort	read gpio data in input mode	0xFF530070	[16,16]		io -4 0xFF530070
GPIO1C1	IOmux	LCD_D6	0xFF538010	[4,6]	1	io -4 0xFF538010 0x00700010
		VICAP_D3_M1	0xFF538010	[4,6]	2	io -4 0xFF538010 0x00700020
		PWM4_M2	0xFF538010	[4,6]	3	io -4 0xFF538010 0x00700030
		SPI0_CLK_M0	0xFF538010	[4,6]	4	io -4 0xFF538010 0x00700040
		SDMMC1_D0_M1	0xFF538010	[4,6]	5	io -4 0xFF538010 0x00700050
		GPIO1_C1	0xFF538010	[4,6]	0	io -4 0xFF538010 0x00700000
	Pull	normal	0xFF5381C8	[2,3]	0	io -4 0xFF5381C8 0x000C0000
		pullup	0xFF5381C8	[2,3]	1	io -4 0xFF5381C8 0x000C0004
		pulldown	0xFF5381C8	[2,3]	2	io -4 0xFF5381C8 0x000C0008
	I/O Mode	input	0xFF53000C	[1,1]	0	io -4 0xFF53000C 0x00020000
		output	0xFF53000C	[1,1]	1	io -4 0xFF53000C 0x00020002
	Output	low	0xFF530004	[1,1]	0	io -4 0xFF530004 0x00020000
		high	0xFF530004	[1,1]	1	io -4 0xFF530004 0x00020002
	Input Ctrl	disable	0xFF538188	[1,1]	0	io -4 0xFF538188 0x00020000
		enable	0xFF538188	[1,1]	1	io -4 0xFF538188 0x00020002
	Schmitt	disable	0xFF538288	[1,1]	0	io -4 0xFF538288 0x00020000
		enable	0xFF538288	[1,1]	1	io -4 0xFF538288 0x00020002
	Drive Strength	level0	0xFF5380A0	[8,13]	1	io -4 0xFF5380A0 0x3F000100
		level1	0xFF5380A0	[8,13]	3	io -4 0xFF5380A0 0x3F000300
		level2	0xFF5380A0	[8,13]	7	io -4 0xFF5380A0 0x3F000700
		level3	0xFF5380A0	[8,13]	15	io -4 0xFF5380A0 0x3F000F00
		level4	0xFF5380A0	[8,13]	31	io -4 0xFF5380A0 0x3F001F00
		level5	0xFF5380A0	[8,13]	63	io -4 0xFF5380A0 0x3F003F00
	ExtPort	read gpio data in input mode	0xFF530070	[17,17]		io -4 0xFF530070
GPIO1C2	IOmux	LCD_D5	0xFF538010	[8,10]	1	io -4 0xFF538010 0x07000100
		VICAP_D4_M1	0xFF538010	[8,10]	2	io -4 0xFF538010 0x07000200
		PWM5_M2	0xFF538010	[8,10]	3	io -4 0xFF538010 0x07000300
		I2C4_SCL_M1	0xFF538010	[8,10]	4	io -4 0xFF538010 0x07000400
		SDMMC1_CLK_M1	0xFF538010	[8,10]	5	io -4 0xFF538010 0x07000500
		SPI0_MOSI_M0	0xFF538010	[8,10]	6	io -4 0xFF538010 0x07000600
		GPIO1_C2	0xFF538010	[8,10]	0	io -4 0xFF538010 0x07000000
	Pull	normal	0xFF5381C8	[4,5]	0	io -4 0xFF5381C8 0x00300000
		pullup	0xFF5381C8	[4,5]	1	io -4 0xFF5381C8 0x00300010
		pulldown	0xFF5381C8	[4,5]	2	io -4 0xFF5381C8 0x00300020
	I/O Mode	input	0xFF53000C	[2,2]	0	io -4 0xFF53000C 0x00040000
		output	0xFF53000C	[2,2]	1	io -4 0xFF53000C 0x00040004
	Output	low	0xFF530004	[2,2]	0	io -4 0xFF530004 0x00040000
		high	0xFF530004	[2,2]	1	io -4 0xFF530004 0x00040004
	Input Ctrl	disable	0xFF538188	[2,2]	0	io -4 0xFF538188 0x00040000
		enable	0xFF538188	[2,2]	1	io -4 0xFF538188 0x00040004
	Schmitt	disable	0xFF538288	[2,2]	0	io -4 0xFF538288 0x00040000
		enable	0xFF538288	[2,2]	1	io -4 0xFF538288 0x00040004
	Drive Strength	level0	0xFF5380A4	[0,5]	1	io -4 0xFF5380A4 0x003F0001
		level1	0xFF5380A4	[0,5]	3	io -4 0xFF5380A4 0x003F0003
		level2	0xFF5380A4	[0,5]	7	io -4 0xFF5380A4 0x003F0007
		level3	0xFF5380A4	[0,5]	15	io -4 0xFF5380A4 0x003F000F
		level4	0xFF5380A4	[0,5]	31	io -4 0xFF5380A4 0x003F001F
		level5	0xFF5380A4	[0,5]	63	io -4 0xFF5380A4 0x003F003F
	ExtPort	read gpio data in input mode	0xFF530070	[18,18]		io -4 0xFF530070
	IOmux	LCD_D4	0xFF538010	[12,14]	1	io -4 0xFF538010 0x70001000
		VICAP_D5_M1	0xFF538010	[12,14]	2	io -4 0xFF538010 0x70002000
		PWM6_M2	0xFF538010	[12,14]	3	io -4 0xFF538010 0x70003000
		I2C4_SDA_M1	0xFF538010	[12,14]	4	io -4 0xFF538010 0x70004000
		SDMMC1_CMD_M1	0xFF538010	[12,14]	5	io -4 0xFF538010 0x70005000
		SPI0_MISO_M0	0xFF538010	[12,14]	6	io -4 0xFF538010 0x70006000
		GPIO1_C3	0xFF538010	[12,14]	0	io -4 0xFF538010 0x70000000
	Pull	normal	0xFF5381C8	[6,7]	0	io -4 0xFF5381C8 0x00C00000
		pullup	0xFF5381C8	[6,7]	1	io -4 0xFF5381C8 0x00C00040

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Name	Config	Description	Register	Position	Value	IO Command
GPIO1C3		pulldown	0xFF5381C8	[6,7]	2	io -4 0xFF5381C8 0x00C00080
	I/O Mode	input	0xFF53000C	[3,3]	0	io -4 0xFF53000C 0x00080000
		output	0xFF53000C	[3,3]	1	io -4 0xFF53000C 0x00080008
	Output	low	0xFF530004	[3,3]	0	io -4 0xFF530004 0x00080000
		high	0xFF530004	[3,3]	1	io -4 0xFF530004 0x00080008
	Input Ctrl	disable	0xFF538188	[3,3]	0	io -4 0xFF538188 0x00080000
		enable	0xFF538188	[3,3]	1	io -4 0xFF538188 0x00080008
	Schmitt	disable	0xFF538288	[3,3]	0	io -4 0xFF538288 0x00080000
		enable	0xFF538288	[3,3]	1	io -4 0xFF538288 0x00080008
	Drive Strength	level0	0xFF5380A4	[8,13]	1	io -4 0xFF5380A4 0x3F000100
		level1	0xFF5380A4	[8,13]	3	io -4 0xFF5380A4 0x3F000300
		level2	0xFF5380A4	[8,13]	7	io -4 0xFF5380A4 0x3F000700
		level3	0xFF5380A4	[8,13]	15	io -4 0xFF5380A4 0x3F000F00
		level4	0xFF5380A4	[8,13]	31	io -4 0xFF5380A4 0x3F001F00
		level5	0xFF5380A4	[8,13]	63	io -4 0xFF5380A4 0x3F003F00
	ExtPort	read gpio data in input mode	0xFF530070	[19,19]		io -4 0xFF530070
GPIO1C4	IOmux	LCD_D3	0xFF538014	[0,2]	1	io -4 0xFF538014 0x00070001
		VICAP_D6_M1	0xFF538014	[0,2]	2	io -4 0xFF538014 0x00070002
		PWM8_M1	0xFF538014	[0,2]	3	io -4 0xFF538014 0x00070003
		UART4_RX_M1	0xFF538014	[0,2]	4	io -4 0xFF538014 0x00070004
		SDMMC1_D3_M1	0xFF538014	[0,2]	5	io -4 0xFF538014 0x00070005
		GPIO1_C4	0xFF538014	[0,2]	0	io -4 0xFF538014 0x00070000
	Pull	normal	0xFF5381C8	[8,9]	0	io -4 0xFF5381C8 0x03000000
		pullup	0xFF5381C8	[8,9]	1	io -4 0xFF5381C8 0x03000100
		pulldown	0xFF5381C8	[8,9]	2	io -4 0xFF5381C8 0x03000200
	I/O Mode	input	0xFF53000C	[4,4]	0	io -4 0xFF53000C 0x00100000
		output	0xFF53000C	[4,4]	1	io -4 0xFF53000C 0x00100010
	Output	low	0xFF530004	[4,4]	0	io -4 0xFF530004 0x00100000
		high	0xFF530004	[4,4]	1	io -4 0xFF530004 0x00100010
	Input Ctrl	disable	0xFF538188	[4,4]	0	io -4 0xFF538188 0x00100000
		enable	0xFF538188	[4,4]	1	io -4 0xFF538188 0x00100010
	Schmitt	disable	0xFF538288	[4,4]	0	io -4 0xFF538288 0x00100000
		enable	0xFF538288	[4,4]	1	io -4 0xFF538288 0x00100010
	Drive Strength	level0	0xFF5380A8	[0,5]	1	io -4 0xFF5380A8 0x003F0001
		level1	0xFF5380A8	[0,5]	3	io -4 0xFF5380A8 0x003F0003
		level2	0xFF5380A8	[0,5]	7	io -4 0xFF5380A8 0x003F0007
		level3	0xFF5380A8	[0,5]	15	io -4 0xFF5380A8 0x003F000F
		level4	0xFF5380A8	[0,5]	31	io -4 0xFF5380A8 0x003F001F
		level5	0xFF5380A8	[0,5]	63	io -4 0xFF5380A8 0x003F003F
	ExtPort	read gpio data in input mode	0xFF530070	[20,20]		io -4 0xFF530070
GPIO1C5	IOmux	LCD_D2	0xFF538014	[4,6]	1	io -4 0xFF538014 0x00700010
		VICAP_D7_M1	0xFF538014	[4,6]	2	io -4 0xFF538014 0x00700020
		PWM9_M1	0xFF538014	[4,6]	3	io -4 0xFF538014 0x00700030
		UART4_TX_M1	0xFF538014	[4,6]	4	io -4 0xFF538014 0x00700040
		SDMMC1_D2_M1	0xFF538014	[4,6]	5	io -4 0xFF538014 0x00700050
		GPIO1_C5	0xFF538014	[4,6]	0	io -4 0xFF538014 0x00700000
	Pull	normal	0xFF5381C8	[10,11]	0	io -4 0xFF5381C8 0x0C000000
		pullup	0xFF5381C8	[10,11]	1	io -4 0xFF5381C8 0x0C000400
		pulldown	0xFF5381C8	[10,11]	2	io -4 0xFF5381C8 0x0C000800
	I/O Mode	input	0xFF53000C	[5,5]	0	io -4 0xFF53000C 0x00200000
		output	0xFF53000C	[5,5]	1	io -4 0xFF53000C 0x00200020
	Output	low	0xFF530004	[5,5]	0	io -4 0xFF530004 0x00200000
		high	0xFF530004	[5,5]	1	io -4 0xFF530004 0x00200020
	Input Ctrl	disable	0xFF538188	[5,5]	0	io -4 0xFF538188 0x00200000
		enable	0xFF538188	[5,5]	1	io -4 0xFF538188 0x00200020
	Schmitt	disable	0xFF538288	[5,5]	0	io -4 0xFF538288 0x00200000
		enable	0xFF538288	[5,5]	1	io -4 0xFF538288 0x00200020
	Drive Strength	level0	0xFF5380A8	[8,13]	1	io -4 0xFF5380A8 0x3F000100
		level1	0xFF5380A8	[8,13]	3	io -4 0xFF5380A8 0x3F000300
		level2	0xFF5380A8	[8,13]	7	io -4 0xFF5380A8 0x3F000700
		level3	0xFF5380A8	[8,13]	15	io -4 0xFF5380A8 0x3F000F00

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Name	Config	Description	Register	Position	Value	IO Command
		level4	0xFF5380A8	[8,13]	31	io -4 0xFF5380A8 0x3F001F00
		level5	0xFF5380A8	[8,13]	63	io -4 0xFF5380A8 0x3F003F00
	ExtPort	read gpio data in input mode	0xFF530070	[21,21]		io -4 0xFF530070
GPIO1C6	IOmux	LCD_D1	0xFF538014	[8,10]	1	io -4 0xFF538014 0x07000100
		VICAP_D8_M1	0xFF538014	[8,10]	2	io -4 0xFF538014 0x07000200
		PWM10_M1	0xFF538014	[8,10]	3	io -4 0xFF538014 0x07000300
		UART4_RTSN_M1	0xFF538014	[8,10]	4	io -4 0xFF538014 0x07000400
		GPIO1_C6	0xFF538014	[8,10]	0	io -4 0xFF538014 0x07000000
	Pull	normal	0xFF5381C8	[12,13]	0	io -4 0xFF5381C8 0x30000000
		pullup	0xFF5381C8	[12,13]	1	io -4 0xFF5381C8 0x30001000
		pulldown	0xFF5381C8	[12,13]	2	io -4 0xFF5381C8 0x30002000
	I/O Mode	input	0xFF53000C	[6,6]	0	io -4 0xFF53000C 0x00400000
		output	0xFF53000C	[6,6]	1	io -4 0xFF53000C 0x00400040
	Output	low	0xFF530004	[6,6]	0	io -4 0xFF530004 0x00400000
		high	0xFF530004	[6,6]	1	io -4 0xFF530004 0x00400040
	Input Ctrl	disable	0xFF538188	[6,6]	0	io -4 0xFF538188 0x00400000
		enable	0xFF538188	[6,6]	1	io -4 0xFF538188 0x00400040
	Schmitt	disable	0xFF538288	[6,6]	0	io -4 0xFF538288 0x00400000
		enable	0xFF538288	[6,6]	1	io -4 0xFF538288 0x00400040
	Drive Strength	level0	0xFF5380AC	[0,5]	1	io -4 0xFF5380AC 0x003F0001
		level1	0xFF5380AC	[0,5]	3	io -4 0xFF5380AC 0x003F0003
		level2	0xFF5380AC	[0,5]	7	io -4 0xFF5380AC 0x003F0007
		level3	0xFF5380AC	[0,5]	15	io -4 0xFF5380AC 0x003F000F
		level4	0xFF5380AC	[0,5]	31	io -4 0xFF5380AC 0x003F001F
		level5	0xFF5380AC	[0,5]	63	io -4 0xFF5380AC 0x003F003F
	ExtPort	read gpio data in input mode	0xFF530070	[22,22]		io -4 0xFF530070
GPIO1C7	IOmux	LCD_D0	0xFF538014	[12,14]	1	io -4 0xFF538014 0x70001000
		VICAP_D9_M1	0xFF538014	[12,14]	2	io -4 0xFF538014 0x70002000
		PWM11_IR_M1	0xFF538014	[12,14]	3	io -4 0xFF538014 0x70003000
		UART4_CTSN_M1	0xFF538014	[12,14]	4	io -4 0xFF538014 0x70004000
		GPIO1_C7	0xFF538014	[12,14]	0	io -4 0xFF538014 0x70000000
	Pull	normal	0xFF5381C8	[14,15]	0	io -4 0xFF5381C8 0xC0000000
		pullup	0xFF5381C8	[14,15]	1	io -4 0xFF5381C8 0xC0004000
		pulldown	0xFF5381C8	[14,15]	2	io -4 0xFF5381C8 0xC0008000
	I/O Mode	input	0xFF53000C	[7,7]	0	io -4 0xFF53000C 0x00800000
		output	0xFF53000C	[7,7]	1	io -4 0xFF53000C 0x00800080
	Output	low	0xFF530004	[7,7]	0	io -4 0xFF530004 0x00800000
		high	0xFF530004	[7,7]	1	io -4 0xFF530004 0x00800080
	Input Ctrl	disable	0xFF538188	[7,7]	0	io -4 0xFF538188 0x00800000
		enable	0xFF538188	[7,7]	1	io -4 0xFF538188 0x00800080
	Schmitt	disable	0xFF538288	[7,7]	0	io -4 0xFF538288 0x00800000
		enable	0xFF538288	[7,7]	1	io -4 0xFF538288 0x00800080
	Drive Strength	level0	0xFF5380AC	[8,13]	1	io -4 0xFF5380AC 0x3F000100
		level1	0xFF5380AC	[8,13]	3	io -4 0xFF5380AC 0x3F000300
		level2	0xFF5380AC	[8,13]	7	io -4 0xFF5380AC 0x3F000700
		level3	0xFF5380AC	[8,13]	15	io -4 0xFF5380AC 0x3F000F00
		level4	0xFF5380AC	[8,13]	31	io -4 0xFF5380AC 0x3F001F00
		level5	0xFF5380AC	[8,13]	63	io -4 0xFF5380AC 0x3F003F00
	ExtPort	read gpio data in input mode	0xFF530070	[23,23]		io -4 0xFF530070
GPIO1D0	IOmux	LCD_DEN	0xFF538018	[0,2]	1	io -4 0xFF538018 0x00070001
		VICAP_CLKIN_M1	0xFF538018	[0,2]	2	io -4 0xFF538018 0x00070002
		PWM3_IR_M2	0xFF538018	[0,2]	3	io -4 0xFF538018 0x00070003
		UART5_RTSN_M1	0xFF538018	[0,2]	4	io -4 0xFF538018 0x00070004
		UART3_TX_M1	0xFF538018	[0,2]	5	io -4 0xFF538018 0x00070005
		GPIO1_D0	0xFF538018	[0,2]	0	io -4 0xFF538018 0x00070000
	Pull	normal	0xFF5381CC	[0,1]	0	io -4 0xFF5381CC 0x00030000
		pullup	0xFF5381CC	[0,1]	1	io -4 0xFF5381CC 0x00030001
		pulldown	0xFF5381CC	[0,1]	2	io -4 0xFF5381CC 0x00030002
	I/O Mode	input	0xFF53000C	[8,8]	0	io -4 0xFF53000C 0x01000000
		output	0xFF53000C	[8,8]	1	io -4 0xFF53000C 0x01000100
	Output	low	0xFF530004	[8,8]	0	io -4 0xFF530004 0x01000000

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Name	Config	Description	Register	Position	Value	IO Command
GPIO1D0	Output	high	0xFF530004	[8,8]	1	io -4 0xFF530004 0x01000100
	Input Ctrl	disable	0xFF53818C	[0,0]	0	io -4 0xFF53818C 0x00010000
		enable	0xFF53818C	[0,0]	1	io -4 0xFF53818C 0x00010001
	Schmitt	disable	0xFF53828C	[0,0]	0	io -4 0xFF53828C 0x00010000
		enable	0xFF53828C	[0,0]	1	io -4 0xFF53828C 0x00010001
	Drive Strength	level0	0xFF5380B0	[0,5]	1	io -4 0xFF5380B0 0x003F0001
		level1	0xFF5380B0	[0,5]	3	io -4 0xFF5380B0 0x003F0003
		level2	0xFF5380B0	[0,5]	7	io -4 0xFF5380B0 0x003F0007
		level3	0xFF5380B0	[0,5]	15	io -4 0xFF5380B0 0x003F000F
		level4	0xFF5380B0	[0,5]	31	io -4 0xFF5380B0 0x003F001F
		level5	0xFF5380B0	[0,5]	63	io -4 0xFF5380B0 0x003F003F
	ExtPort	read gpio data in input mode	0xFF530070	[24,24]		io -4 0xFF530070
GPIO1D1	IOmux	LCD_HSYNC	0xFF538018	[4,6]	1	io -4 0xFF538018 0x00700010
		VICAP_HSYNC_M1	0xFF538018	[4,6]	2	io -4 0xFF538018 0x00700020
		PWM10_M2	0xFF538018	[4,6]	3	io -4 0xFF538018 0x00700030
		UART5_CTSN_M1	0xFF538018	[4,6]	4	io -4 0xFF538018 0x00700040
		UART3_RX_M1	0xFF538018	[4,6]	5	io -4 0xFF538018 0x00700050
		GPIO1_D1	0xFF538018	[4,6]	0	io -4 0xFF538018 0x00700000
	Pull	normal	0xFF5381CC	[2,3]	0	io -4 0xFF5381CC 0x000C0000
		pullup	0xFF5381CC	[2,3]	1	io -4 0xFF5381CC 0x000C0004
		pulldown	0xFF5381CC	[2,3]	2	io -4 0xFF5381CC 0x000C0008
	I/O Mode	input	0xFF53000C	[9,9]	0	io -4 0xFF53000C 0x02000000
		output	0xFF53000C	[9,9]	1	io -4 0xFF53000C 0x02000200
	Output	low	0xFF530004	[9,9]	0	io -4 0xFF530004 0x02000000
		high	0xFF530004	[9,9]	1	io -4 0xFF530004 0x02000200
	Input Ctrl	disable	0xFF53818C	[1,1]	0	io -4 0xFF53818C 0x00020000
		enable	0xFF53818C	[1,1]	1	io -4 0xFF53818C 0x00020002
	Schmitt	disable	0xFF53828C	[1,1]	0	io -4 0xFF53828C 0x00020000
		enable	0xFF53828C	[1,1]	1	io -4 0xFF53828C 0x00020002
	Drive Strength	level0	0xFF5380B0	[8,13]	1	io -4 0xFF5380B0 0x3F000100
		level1	0xFF5380B0	[8,13]	3	io -4 0xFF5380B0 0x3F000300
		level2	0xFF5380B0	[8,13]	7	io -4 0xFF5380B0 0x3F000700
		level3	0xFF5380B0	[8,13]	15	io -4 0xFF5380B0 0x3F000F00
		level4	0xFF5380B0	[8,13]	31	io -4 0xFF5380B0 0x3F001F00
		level5	0xFF5380B0	[8,13]	63	io -4 0xFF5380B0 0x3F003F00
	ExtPort	read gpio data in input mode	0xFF530070	[25,25]		io -4 0xFF530070
GPIO1D2	IOmux	LCD_VSYNC	0xFF538018	[8,10]	1	io -4 0xFF538018 0x07000100
		VICAP_VSYNC_M1	0xFF538018	[8,10]	2	io -4 0xFF538018 0x07000200
		I2C3_SDA_M1	0xFF538018	[8,10]	3	io -4 0xFF538018 0x07000300
		UART5_RX_M1	0xFF538018	[8,10]	4	io -4 0xFF538018 0x07000400
		SPI0_CS1N_M0	0xFF538018	[8,10]	5	io -4 0xFF538018 0x07000500
		PWM0_M1	0xFF538018	[8,10]	6	io -4 0xFF538018 0x07000600
		DSMAUDIO_P	0xFF538018	[8,10]	7	io -4 0xFF538018 0x07000700
		GPIO1_D2	0xFF538018	[8,10]	0	io -4 0xFF538018 0x07000000
	Pull	normal	0xFF5381CC	[4,5]	0	io -4 0xFF5381CC 0x00300000
		pullup	0xFF5381CC	[4,5]	1	io -4 0xFF5381CC 0x00300010
		pulldown	0xFF5381CC	[4,5]	2	io -4 0xFF5381CC 0x00300020
	I/O Mode	input	0xFF53000C	[10,10]	0	io -4 0xFF53000C 0x04000000
		output	0xFF53000C	[10,10]	1	io -4 0xFF53000C 0x04000400
	Output	low	0xFF530004	[10,10]	0	io -4 0xFF530004 0x04000000
		high	0xFF530004	[10,10]	1	io -4 0xFF530004 0x04000400
	Input Ctrl	disable	0xFF53818C	[2,2]	0	io -4 0xFF53818C 0x00040000
		enable	0xFF53818C	[2,2]	1	io -4 0xFF53818C 0x00040004
	Schmitt	disable	0xFF53828C	[2,2]	0	io -4 0xFF53828C 0x00040000
		enable	0xFF53828C	[2,2]	1	io -4 0xFF53828C 0x00040004
	Drive Strength	level0	0xFF5380B4	[0,5]	1	io -4 0xFF5380B4 0x003F0001
		level1	0xFF5380B4	[0,5]	3	io -4 0xFF5380B4 0x003F0003
		level2	0xFF5380B4	[0,5]	7	io -4 0xFF5380B4 0x003F0007
		level3	0xFF5380B4	[0,5]	15	io -4 0xFF5380B4 0x003F000F
		level4	0xFF5380B4	[0,5]	31	io -4 0xFF5380B4 0x003F001F
		level5	0xFF5380B4	[0,5]	63	io -4 0xFF5380B4 0x003F003F

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Name	Config	Description	Register	Position	Value	IO Command
	ExtPort	read gpio data in input mode	0xFF530070	[26,26]		io -4 0xFF530070
		LCD_CLK	0xFF538018	[12,14]	1	io -4 0xFF538018 0x70001000
		VICAP_CLKOUT_M1	0xFF538018	[12,14]	2	io -4 0xFF538018 0x70002000
		I2C3_SCL_M1	0xFF538018	[12,14]	3	io -4 0xFF538018 0x70003000
	IOmux	UART5_TX_M1	0xFF538018	[12,14]	4	io -4 0xFF538018 0x70004000
		PWM11_IR_M2	0xFF538018	[12,14]	5	io -4 0xFF538018 0x70005000
		DSMAUDIO_N	0xFF538018	[12,14]	7	io -4 0xFF538018 0x70007000
		GPIO1_D3	0xFF538018	[12,14]	0	io -4 0xFF538018 0x70000000
		normal	0xFF5381CC	[6,7]	0	io -4 0xFF5381CC 0x00C00000
	Pull	pullup	0xFF5381CC	[6,7]	1	io -4 0xFF5381CC 0x00C00040
		pulldown	0xFF5381CC	[6,7]	2	io -4 0xFF5381CC 0x00C00080
	I/O Mode	input	0xFF53000C	[11,11]	0	io -4 0xFF53000C 0x08000000
		output	0xFF53000C	[11,11]	1	io -4 0xFF53000C 0x08000800
GPIO1D3	Output	low	0xFF530004	[11,11]	0	io -4 0xFF530004 0x08000000
		high	0xFF530004	[11,11]	1	io -4 0xFF530004 0x08000800
	Input Ctrl	disable	0xFF53818C	[3,3]	0	io -4 0xFF53818C 0x00080000
		enable	0xFF53818C	[3,3]	1	io -4 0xFF53818C 0x00080008
	Schmitt	disable	0xFF53828C	[3,3]	0	io -4 0xFF53828C 0x00080000
		enable	0xFF53828C	[3,3]	1	io -4 0xFF53828C 0x00080008
		level0	0xFF5380B4	[8,13]	1	io -4 0xFF5380B4 0x3F000100
		level1	0xFF5380B4	[8,13]	3	io -4 0xFF5380B4 0x3F000300
	Drive Strength	level2	0xFF5380B4	[8,13]	7	io -4 0xFF5380B4 0x3F000700
		level3	0xFF5380B4	[8,13]	15	io -4 0xFF5380B4 0x3F000F00
		level4	0xFF5380B4	[8,13]	31	io -4 0xFF5380B4 0x3F001F00
		level5	0xFF5380B4	[8,13]	63	io -4 0xFF5380B4 0x3F003F00
	ExtPort	read gpio data in input mode	0xFF530070	[27,27]		io -4 0xFF530070
	IOmux	SDMMC0_DET	0xFF558040	[4,6]	1	io -4 0xFF558040 0x00700010
		GPIO3_A1	0xFF558040	[4,6]	0	io -4 0xFF558040 0x00700000
		normal	0xFF5581E0	[2,3]	0	io -4 0xFF5581E0 0x000C0000
	Pull	pullup	0xFF5581E0	[2,3]	1	io -4 0xFF5581E0 0x000C0004
		pulldown	0xFF5581E0	[2,3]	2	io -4 0xFF5581E0 0x000C0008
	I/O Mode	input	0xFF550008	[1,1]	0	io -4 0xFF550008 0x00020000
		output	0xFF550008	[1,1]	1	io -4 0xFF550008 0x00020002
	Output	low	0xFF550000	[1,1]	0	io -4 0xFF550000 0x00020000
		high	0xFF550000	[1,1]	1	io -4 0xFF550000 0x00020002
GPIO3A1	Input Ctrl	disable	0xFF5581A0	[1,1]	0	io -4 0xFF5581A0 0x00020000
		enable	0xFF5581A0	[1,1]	1	io -4 0xFF5581A0 0x00020002
	Schmitt	disable	0xFF5582A0	[1,1]	0	io -4 0xFF5582A0 0x00020000
		enable	0xFF5582A0	[1,1]	1	io -4 0xFF5582A0 0x00020002
		level0	0xFF558100	[8,13]	1	io -4 0xFF558100 0x3F000100
		level1	0xFF558100	[8,13]	3	io -4 0xFF558100 0x3F000300
	Drive Strength	level2	0xFF558100	[8,13]	7	io -4 0xFF558100 0x3F000700
		level3	0xFF558100	[8,13]	15	io -4 0xFF558100 0x3F000F00
		level4	0xFF558100	[8,13]	31	io -4 0xFF558100 0x3F001F00
		level5	0xFF558100	[8,13]	63	io -4 0xFF558100 0x3F003F00
	ExtPort	read gpio data in input mode	0xFF550070	[1,1]		io -4 0xFF550070
		SDMMC0_D1	0xFF558040	[8,10]	1	io -4 0xFF558040 0x07000100
		UART2_TX_M0	0xFF558040	[8,10]	2	io -4 0xFF558040 0x07000200
	IOmux	TEST_CLK0_OUT	0xFF558040	[8,10]	3	io -4 0xFF558040 0x07000300
		PWM9_M0	0xFF558040	[8,10]	4	io -4 0xFF558040 0x07000400
		GPIO3_A2	0xFF558040	[8,10]	0	io -4 0xFF558040 0x07000000

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Name	Config	Description	Register	Position	Value	IO Command
GPIO3A2	Pull	normal	0xFF5581E0	[4,5]	0	io -4 0xFF5581E0 0x00300000
		pullup	0xFF5581E0	[4,5]	1	io -4 0xFF5581E0 0x00300010
		pulldown	0xFF5581E0	[4,5]	2	io -4 0xFF5581E0 0x00300020
	I/O Mode	input	0xFF550008	[2,2]	0	io -4 0xFF550008 0x00040000
		output	0xFF550008	[2,2]	1	io -4 0xFF550008 0x00040004
	Output	low	0xFF550000	[2,2]	0	io -4 0xFF550000 0x00040000
		high	0xFF550000	[2,2]	1	io -4 0xFF550000 0x00040004
	Input Ctrl	disable	0xFF5581A0	[2,2]	0	io -4 0xFF5581A0 0x00040000
		enable	0xFF5581A0	[2,2]	1	io -4 0xFF5581A0 0x00040004
	Schmitt	disable	0xFF5582A0	[2,2]	0	io -4 0xFF5582A0 0x00040000
		enable	0xFF5582A0	[2,2]	1	io -4 0xFF5582A0 0x00040004
	Drive Strength	level0	0xFF558104	[0,5]	1	io -4 0xFF558104 0x003F0001
		level1	0xFF558104	[0,5]	3	io -4 0xFF558104 0x003F0003
		level2	0xFF558104	[0,5]	7	io -4 0xFF558104 0x003F0007
		level3	0xFF558104	[0,5]	15	io -4 0xFF558104 0x003F000F
		level4	0xFF558104	[0,5]	31	io -4 0xFF558104 0x003F001F
		level5	0xFF558104	[0,5]	63	io -4 0xFF558104 0x003F003F
	ExtPort	read gpio data in input mode	0xFF550070	[2,2]		io -4 0xFF550070
GPIO3A3	IOmux	SDMMC0_D0	0xFF558040	[12,14]	1	io -4 0xFF558040 0x70001000
		UART2_RX_M0	0xFF558040	[12,14]	2	io -4 0xFF558040 0x70002000
		TEST_CLK1_OUT	0xFF558040	[12,14]	3	io -4 0xFF558040 0x70003000
		PWM8_M0	0xFF558040	[12,14]	4	io -4 0xFF558040 0x70004000
		GPIO3_A3	0xFF558040	[12,14]	0	io -4 0xFF558040 0x70000000
	Pull	normal	0xFF5581E0	[6,7]	0	io -4 0xFF5581E0 0x00C00000
		pullup	0xFF5581E0	[6,7]	1	io -4 0xFF5581E0 0x00C00040
		pulldown	0xFF5581E0	[6,7]	2	io -4 0xFF5581E0 0x00C00080
	I/O Mode	input	0xFF550008	[3,3]	0	io -4 0xFF550008 0x00080000
		output	0xFF550008	[3,3]	1	io -4 0xFF550008 0x00080008
	Output	low	0xFF550000	[3,3]	0	io -4 0xFF550000 0x00080000
		high	0xFF550000	[3,3]	1	io -4 0xFF550000 0x00080008
	Input Ctrl	disable	0xFF5581A0	[3,3]	0	io -4 0xFF5581A0 0x00080000
		enable	0xFF5581A0	[3,3]	1	io -4 0xFF5581A0 0x00080008
	Schmitt	disable	0xFF5582A0	[3,3]	0	io -4 0xFF5582A0 0x00080000
		enable	0xFF5582A0	[3,3]	1	io -4 0xFF5582A0 0x00080008
	Drive Strength	level0	0xFF558104	[8,13]	1	io -4 0xFF558104 0x3F000100
		level1	0xFF558104	[8,13]	3	io -4 0xFF558104 0x3F000300
		level2	0xFF558104	[8,13]	7	io -4 0xFF558104 0x3F000700
		level3	0xFF558104	[8,13]	15	io -4 0xFF558104 0x3F000F00
		level4	0xFF558104	[8,13]	31	io -4 0xFF558104 0x3F001F00
		level5	0xFF558104	[8,13]	63	io -4 0xFF558104 0x3F003F00
	ExtPort	read gpio data in input mode	0xFF550070	[3,3]		io -4 0xFF550070
GPIO3A4	IOmux	SDMMC0_CLK	0xFF558044	[0,2]	1	io -4 0xFF558044 0x00070001
		UART5_RTSN_M0	0xFF558044	[0,2]	2	io -4 0xFF558044 0x00070002
		I2C0_SCL_M2	0xFF558044	[0,2]	3	io -4 0xFF558044 0x00070003
		LPMCU_JTAG_TCK_M1	0xFF558044	[0,2]	4	io -4 0xFF558044 0x00070004
		PWM10_M0	0xFF558044	[0,2]	5	io -4 0xFF558044 0x00070005
		GPIO3_A4	0xFF558044	[0,2]	0	io -4 0xFF558044 0x00070000
	Pull	normal	0xFF5581E0	[8,9]	0	io -4 0xFF5581E0 0x03000000
		pullup	0xFF5581E0	[8,9]	1	io -4 0xFF5581E0 0x03000100
		pulldown	0xFF5581E0	[8,9]	2	io -4 0xFF5581E0 0x03000200
	I/O Mode	input	0xFF550008	[4,4]	0	io -4 0xFF550008 0x00100000
		output	0xFF550008	[4,4]	1	io -4 0xFF550008 0x00100010
	Output	low	0xFF550000	[4,4]	0	io -4 0xFF550000 0x00100000
		high	0xFF550000	[4,4]	1	io -4 0xFF550000 0x00100010
	Input Ctrl	disable	0xFF5581A0	[4,4]	0	io -4 0xFF5581A0 0x00100000
		enable	0xFF5581A0	[4,4]	1	io -4 0xFF5581A0 0x00100010
	Schmitt	disable	0xFF5582A0	[4,4]	0	io -4 0xFF5582A0 0x00100000
		enable	0xFF5582A0	[4,4]	1	io -4 0xFF5582A0 0x00100010
	Drive Strength	level0	0xFF558108	[0,5]	1	io -4 0xFF558108 0x003F0001
		level1	0xFF558108	[0,5]	3	io -4 0xFF558108 0x003F0003
		level2	0xFF558108	[0,5]	7	io -4 0xFF558108 0x003F0007

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Name	Config	Description	Register	Position	Value	IO Command
	Drive Strength	level3	0xFF558108	[0,5]	15	io -4 0xFF558108 0x003F000F
		level4	0xFF558108	[0,5]	31	io -4 0xFF558108 0x003F001F
		level5	0xFF558108	[0,5]	63	io -4 0xFF558108 0x003F003F
	ExtPort	read gpio data in input mode	0xFF550070	[4,4]		io -4 0xFF550070
GPIO3A5	IOmux	SDMMC0_CMD	0xFF558044	[4,6]	1	io -4 0xFF558044 0x00700010
		UART5_CTSN_M0	0xFF558044	[4,6]	2	io -4 0xFF558044 0x00700020
		I2C0_SDA_M2	0xFF558044	[4,6]	3	io -4 0xFF558044 0x00700030
		LPMCU_JTAG_TMS_M1	0xFF558044	[4,6]	4	io -4 0xFF558044 0x00700040
		PWM11_IR_M0	0xFF558044	[4,6]	5	io -4 0xFF558044 0x00700050
		GPIO3_A5	0xFF558044	[4,6]	0	io -4 0xFF558044 0x00700000
	Pull	normal	0xFF5581E0	[10,11]	0	io -4 0xFF5581E0 0x0C000000
		pullup	0xFF5581E0	[10,11]	1	io -4 0xFF5581E0 0x0C000400
		pulldown	0xFF5581E0	[10,11]	2	io -4 0xFF5581E0 0x0C000800
	I/O Mode	input	0xFF550008	[5,5]	0	io -4 0xFF550008 0x00200000
		output	0xFF550008	[5,5]	1	io -4 0xFF550008 0x00200020
	Output	low	0xFF550000	[5,5]	0	io -4 0xFF550000 0x00200000
		high	0xFF550000	[5,5]	1	io -4 0xFF550000 0x00200020
	Input Ctrl	disable	0xFF5581A0	[5,5]	0	io -4 0xFF5581A0 0x00200000
		enable	0xFF5581A0	[5,5]	1	io -4 0xFF5581A0 0x00200020
	Schmitt	disable	0xFF5582A0	[5,5]	0	io -4 0xFF5582A0 0x00200000
		enable	0xFF5582A0	[5,5]	1	io -4 0xFF5582A0 0x00200020
	Drive Strength	level0	0xFF558108	[8,13]	1	io -4 0xFF558108 0x3F000100
		level1	0xFF558108	[8,13]	3	io -4 0xFF558108 0x3F000300
		level2	0xFF558108	[8,13]	7	io -4 0xFF558108 0x3F000700
		level3	0xFF558108	[8,13]	15	io -4 0xFF558108 0x3F000F00
		level4	0xFF558108	[8,13]	31	io -4 0xFF558108 0x3F001F00
		level5	0xFF558108	[8,13]	63	io -4 0xFF558108 0x3F003F00
	ExtPort	read gpio data in input mode	0xFF550070	[5,5]		io -4 0xFF550070
GPIO3A6	IOmux	SDMMC0_D3	0xFF558044	[8,10]	1	io -4 0xFF558044 0x07000100
		UART5_TX_M0	0xFF558044	[8,10]	2	io -4 0xFF558044 0x07000200
		A7_JTAG_TMS_M0	0xFF558044	[8,10]	3	io -4 0xFF558044 0x07000300
		HPMCU_JTAG_TMS_M1	0xFF558044	[8,10]	4	io -4 0xFF558044 0x07000400
		GPIO3_A6	0xFF558044	[8,10]	0	io -4 0xFF558044 0x07000000
	Pull	normal	0xFF5581E0	[12,13]	0	io -4 0xFF5581E0 0x30000000
		pullup	0xFF5581E0	[12,13]	1	io -4 0xFF5581E0 0x30001000
		pulldown	0xFF5581E0	[12,13]	2	io -4 0xFF5581E0 0x30002000
	I/O Mode	input	0xFF550008	[6,6]	0	io -4 0xFF550008 0x00400000
		output	0xFF550008	[6,6]	1	io -4 0xFF550008 0x00400040
	Output	low	0xFF550000	[6,6]	0	io -4 0xFF550000 0x00400000
		high	0xFF550000	[6,6]	1	io -4 0xFF550000 0x00400040
	Input Ctrl	disable	0xFF5581A0	[6,6]	0	io -4 0xFF5581A0 0x00400000
		enable	0xFF5581A0	[6,6]	1	io -4 0xFF5581A0 0x00400040
	Schmitt	disable	0xFF5582A0	[6,6]	0	io -4 0xFF5582A0 0x00400000
		enable	0xFF5582A0	[6,6]	1	io -4 0xFF5582A0 0x00400040
	Drive Strength	level0	0xFF55810C	[0,5]	1	io -4 0xFF55810C 0x003F0001
		level1	0xFF55810C	[0,5]	3	io -4 0xFF55810C 0x003F0003
		level2	0xFF55810C	[0,5]	7	io -4 0xFF55810C 0x003F0007
		level3	0xFF55810C	[0,5]	15	io -4 0xFF55810C 0x003F000F
		level4	0xFF55810C	[0,5]	31	io -4 0xFF55810C 0x003F001F
		level5	0xFF55810C	[0,5]	63	io -4 0xFF55810C 0x003F003F
	ExtPort	read gpio data in input mode	0xFF550070	[6,6]		io -4 0xFF550070
	IOmux	SDMMC0_D2	0xFF558044	[12,14]	1	io -4 0xFF558044 0x70001000
		UART5_RX_M0	0xFF558044	[12,14]	2	io -4 0xFF558044 0x70002000
		A7_JTAG_TCK_M0	0xFF558044	[12,14]	3	io -4 0xFF558044 0x70003000
		HPMCU_JTAG_TCK_M1	0xFF558044	[12,14]	4	io -4 0xFF558044 0x70004000
		GPIO3_A7	0xFF558044	[12,14]	0	io -4 0xFF558044 0x70000000
	Pull	normal	0xFF5581E0	[14,15]	0	io -4 0xFF5581E0 0xC0000000
		pullup	0xFF5581E0	[14,15]	1	io -4 0xFF5581E0 0xC0004000
		pulldown	0xFF5581E0	[14,15]	2	io -4 0xFF5581E0 0xC0008000
	I/O Mode	input	0xFF550008	[7,7]	0	io -4 0xFF550008 0x00800000
		output	0xFF550008	[7,7]	1	io -4 0xFF550008 0x00800080

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Name	Config	Description	Register	Position	Value	IO Command
GPIO3A7	Output	low	0xFF550000	[7,7]	0	io -4 0xFF550000 0x00800000
		high	0xFF550000	[7,7]	1	io -4 0xFF550000 0x00800080
	Input Ctrl	disable	0xFF5581A0	[7,7]	0	io -4 0xFF5581A0 0x00800000
		enable	0xFF5581A0	[7,7]	1	io -4 0xFF5581A0 0x00800080
	Schmitt	disable	0xFF5582A0	[7,7]	0	io -4 0xFF5582A0 0x00800000
		enable	0xFF5582A0	[7,7]	1	io -4 0xFF5582A0 0x00800080
	Drive Strength	level0	0xFF55810C	[8,13]	1	io -4 0xFF55810C 0x3F000100
		level1	0xFF55810C	[8,13]	3	io -4 0xFF55810C 0x3F000300
		level2	0xFF55810C	[8,13]	7	io -4 0xFF55810C 0x3F000700
		level3	0xFF55810C	[8,13]	15	io -4 0xFF55810C 0x3F000F00
		level4	0xFF55810C	[8,13]	31	io -4 0xFF55810C 0x3F001F00
		level5	0xFF55810C	[8,13]	63	io -4 0xFF55810C 0x3F003F00
	ExtPort	read gpio data in input mode	0xFF550070	[7,7]		io -4 0xFF550070
GPIO3B0	IOmux	VICAP_D0_M0	0xFF558048	[0,2]	1	io -4 0xFF558048 0x00070001
		MIPI_LVDS_D3N	0xFF558048	[0,2]	2	io -4 0xFF558048 0x00070002
		GPIO3_B0	0xFF558048	[0,2]	0	io -4 0xFF558048 0x00070000
	Pull					
	I/O Mode	input	0xFF550008	[8,8]	0	io -4 0xFF550008 0x01000000
		output	0xFF550008	[8,8]	1	io -4 0xFF550008 0x01000100
	Output	low	0xFF550000	[8,8]	0	io -4 0xFF550000 0x01000000
		high	0xFF550000	[8,8]	1	io -4 0xFF550000 0x01000100
	Input Ctrl					
	Schmitt					
	Drive Strength					
	ExtPort	read gpio data in input mode	0xFF550070	[8,8]		io -4 0xFF550070
GPIO3B1	IOmux	VICAP_D1_M0	0xFF558048	[4,6]	1	io -4 0xFF558048 0x00700010
		MIPI_LVDS_D3P	0xFF558048	[4,6]	2	io -4 0xFF558048 0x00700020
		GPIO3_B1	0xFF558048	[4,6]	0	io -4 0xFF558048 0x00700000
	Pull					
	I/O Mode	input	0xFF550008	[9,9]	0	io -4 0xFF550008 0x02000000
		output	0xFF550008	[9,9]	1	io -4 0xFF550008 0x02000200
	Output	low	0xFF550000	[9,9]	0	io -4 0xFF550000 0x02000000
		high	0xFF550000	[9,9]	1	io -4 0xFF550000 0x02000200
	Input Ctrl					
	Schmitt					
	Drive Strength					
	ExtPort	read gpio data in input mode	0xFF550070	[9,9]		io -4 0xFF550070
GPIO3B2	IOmux	VICAP_D2_M0	0xFF558048	[8,10]	1	io -4 0xFF558048 0x07000100
		MIPI_LVDS_CK1N	0xFF558048	[8,10]	2	io -4 0xFF558048 0x07000200
		GPIO3_B2	0xFF558048	[8,10]	0	io -4 0xFF558048 0x07000000
	Pull					
	I/O Mode	input	0xFF550008	[10,10]	0	io -4 0xFF550008 0x04000000
		output	0xFF550008	[10,10]	1	io -4 0xFF550008 0x04000400
	Output	low	0xFF550000	[10,10]	0	io -4 0xFF550000 0x04000000
		high	0xFF550000	[10,10]	1	io -4 0xFF550000 0x04000400
	Input Ctrl					
	Schmitt					
	Drive Strength					
	ExtPort	read gpio data in input mode	0xFF550070	[10,10]		io -4 0xFF550070
GPIO3B3	IOmux	VICAP_D3_M0	0xFF558048	[12,14]	1	io -4 0xFF558048 0x70001000
		MIPI_LVDS_CK1P	0xFF558048	[12,14]	2	io -4 0xFF558048 0x70002000
		GPIO3_B3	0xFF558048	[12,14]	0	io -4 0xFF558048 0x70000000
	Pull					
	I/O Mode	input	0xFF550008	[11,11]	0	io -4 0xFF550008 0x08000000
		output	0xFF550008	[11,11]	1	io -4 0xFF550008 0x08000800
	Output	low	0xFF550000	[11,11]	0	io -4 0xFF550000 0x08000000
		high	0xFF550000	[11,11]	1	io -4 0xFF550000 0x08000800
	Input Ctrl					
	Schmitt					
	Drive Strength					
	ExtPort	read gpio data in input mode	0xFF550070	[11,11]		io -4 0xFF550070

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Name	Config	Description	Register	Position	Value	IO Command
GPIO3B4	IOmux	VICAP_D4_M0	0xFF55804C	[0,2]	1	io -4 0xFF55804C 0x00070001
		MIPI_LVDS_D2N	0xFF55804C	[0,2]	2	io -4 0xFF55804C 0x00070002
		GPIO3_B4	0xFF55804C	[0,2]	0	io -4 0xFF55804C 0x00070000
	Pull					
	I/O Mode	input	0xFF550008	[12,12]	0	io -4 0xFF550008 0x10000000
		output	0xFF550008	[12,12]	1	io -4 0xFF550008 0x10001000
	Output	low	0xFF550000	[12,12]	0	io -4 0xFF550000 0x10000000
		high	0xFF550000	[12,12]	1	io -4 0xFF550000 0x10001000
	Input Ctrl					
	Schmitt					
	Drive Strength					
	ExtPort	read gpio data in input mode	0xFF550070	[12,12]		io -4 0xFF550070
GPIO3B5	IOmux	VICAP_D5_M0	0xFF55804C	[4,6]	1	io -4 0xFF55804C 0x00700010
		MIPI_LVDS_D2P	0xFF55804C	[4,6]	2	io -4 0xFF55804C 0x00700020
		GPIO3_B5	0xFF55804C	[4,6]	0	io -4 0xFF55804C 0x00700000
	Pull					
	I/O Mode	input	0xFF550008	[13,13]	0	io -4 0xFF550008 0x20000000
		output	0xFF550008	[13,13]	1	io -4 0xFF550008 0x20002000
	Output	low	0xFF550000	[13,13]	0	io -4 0xFF550000 0x20000000
		high	0xFF550000	[13,13]	1	io -4 0xFF550000 0x20002000
	Input Ctrl					
	Schmitt					
	Drive Strength					
	ExtPort	read gpio data in input mode	0xFF550070	[13,13]		io -4 0xFF550070
GPIO3B6	IOmux	VICAP_D6_M0	0xFF55804C	[8,10]	1	io -4 0xFF55804C 0x07000100
		MIPI_LVDS_D1N	0xFF55804C	[8,10]	2	io -4 0xFF55804C 0x07000200
		GPIO3_B6	0xFF55804C	[8,10]	0	io -4 0xFF55804C 0x07000000
	Pull					
	I/O Mode	input	0xFF550008	[14,14]	0	io -4 0xFF550008 0x40000000
		output	0xFF550008	[14,14]	1	io -4 0xFF550008 0x40004000
	Output	low	0xFF550000	[14,14]	0	io -4 0xFF550000 0x40000000
		high	0xFF550000	[14,14]	1	io -4 0xFF550000 0x40004000
	Input Ctrl					
	Schmitt					
	Drive Strength					
	ExtPort	read gpio data in input mode	0xFF550070	[14,14]		io -4 0xFF550070
GPIO3B7	IOmux	VICAP_D7_M0	0xFF55804C	[12,14]	1	io -4 0xFF55804C 0x70001000
		MIPI_LVDS_D1P	0xFF55804C	[12,14]	2	io -4 0xFF55804C 0x70002000
		GPIO3_B7	0xFF55804C	[12,14]	0	io -4 0xFF55804C 0x70000000
	Pull					
	I/O Mode	input	0xFF550008	[15,15]	0	io -4 0xFF550008 0x80000000
		output	0xFF550008	[15,15]	1	io -4 0xFF550008 0x80008000
	Output	low	0xFF550000	[15,15]	0	io -4 0xFF550000 0x80000000
		high	0xFF550000	[15,15]	1	io -4 0xFF550000 0x80008000
	Input Ctrl					
	Schmitt					
	Drive Strength					
	ExtPort	read gpio data in input mode	0xFF550070	[15,15]		io -4 0xFF550070
GPIO3C0	IOmux	VICAP_D8_M0	0xFF558050	[0,2]	1	io -4 0xFF558050 0x00070001
		MIPI_LVDS_CK0N	0xFF558050	[0,2]	2	io -4 0xFF558050 0x00070002
		GPIO3_C0	0xFF558050	[0,2]	0	io -4 0xFF558050 0x00070000
	Pull					
	I/O Mode	input	0xFF55000C	[0,0]	0	io -4 0xFF55000C 0x00010000
		output	0xFF55000C	[0,0]	1	io -4 0xFF55000C 0x00010001
	Output	low	0xFF550004	[0,0]	0	io -4 0xFF550004 0x00010000
		high	0xFF550004	[0,0]	1	io -4 0xFF550004 0x00010001
	Input Ctrl					
	Schmitt					
	Drive Strength					
	ExtPort	read gpio data in input mode	0xFF550070	[16,16]		io -4 0xFF550070
		VICAP_D9_M0	0xFF558050	[4,6]	1	io -4 0xFF558050 0x00700010

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Name	Config	Description	Register	Position	Value	IO Command
GPIO3C1	IOmux	MIPI_LVDS_CK0P	0xFF558050	[4,6]	2	io -4 0xFF558050 0x00700020
		GPIO3_C1	0xFF558050	[4,6]	0	io -4 0xFF558050 0x00700000
	Pull					
	I/O Mode	input	0xFF55000C	[1,1]	0	io -4 0xFF55000C 0x00020000
		output	0xFF55000C	[1,1]	1	io -4 0xFF55000C 0x00020002
	Output	low	0xFF550004	[1,1]	0	io -4 0xFF550004 0x00020000
		high	0xFF550004	[1,1]	1	io -4 0xFF550004 0x00020002
	Input Ctrl					
	Schmitt					
	Drive Strength					
	ExtPort	read gpio data in input mode	0xFF550070	[17,17]		io -4 0xFF550070
GPIO3C2	IOmux	VICAP_CLKIN_M0	0xFF558050	[8,10]	1	io -4 0xFF558050 0x07000100
		MIPI_LVDS_D0N	0xFF558050	[8,10]	2	io -4 0xFF558050 0x07000200
		GPIO3_C2	0xFF558050	[8,10]	0	io -4 0xFF558050 0x07000000
	Pull					
	I/O Mode	input	0xFF55000C	[2,2]	0	io -4 0xFF55000C 0x00040000
		output	0xFF55000C	[2,2]	1	io -4 0xFF55000C 0x00040004
	Output	low	0xFF550004	[2,2]	0	io -4 0xFF550004 0x00040000
		high	0xFF550004	[2,2]	1	io -4 0xFF550004 0x00040004
	Input Ctrl					
	Schmitt					
	Drive Strength					
	ExtPort	read gpio data in input mode	0xFF550070	[18,18]		io -4 0xFF550070
GPIO3C3	IOmux	VICAP_HSYNC_M0	0xFF558050	[12,14]	1	io -4 0xFF558050 0x70001000
		MIPI_LVDS_D0P	0xFF558050	[12,14]	2	io -4 0xFF558050 0x70002000
		GPIO3_C3	0xFF558050	[12,14]	0	io -4 0xFF558050 0x70000000
	Pull					
	I/O Mode	input	0xFF55000C	[3,3]	0	io -4 0xFF55000C 0x00080000
		output	0xFF55000C	[3,3]	1	io -4 0xFF55000C 0x00080008
	Output	low	0xFF550004	[3,3]	0	io -4 0xFF550004 0x00080000
		high	0xFF550004	[3,3]	1	io -4 0xFF550004 0x00080008
	Input Ctrl					
	Schmitt					
	Drive Strength					
	ExtPort	read gpio data in input mode	0xFF550070	[19,19]		io -4 0xFF550070
GPIO3C4	IOmux	VICAP_CLKOUT_M0	0xFF558054	[0,2]	1	io -4 0xFF558054 0x00070001
		MIPI_REFCLK_OUT0	0xFF558054	[0,2]	2	io -4 0xFF558054 0x00070002
		GPIO3_C4	0xFF558054	[0,2]	0	io -4 0xFF558054 0x00070000
	Pull	normal	0xFF5581E8	[8,9]	0	io -4 0xFF5581E8 0x03000000
		pullup	0xFF5581E8	[8,9]	1	io -4 0xFF5581E8 0x03000100
		pulldown	0xFF5581E8	[8,9]	2	io -4 0xFF5581E8 0x03000200
	I/O Mode	input	0xFF55000C	[4,4]	0	io -4 0xFF55000C 0x00100000
		output	0xFF55000C	[4,4]	1	io -4 0xFF55000C 0x00100010
	Output	low	0xFF550004	[4,4]	0	io -4 0xFF550004 0x00100000
		high	0xFF550004	[4,4]	1	io -4 0xFF550004 0x00100010
	Input Ctrl	disable	0xFF5581A8	[4,4]	0	io -4 0xFF5581A8 0x00100000
		enable	0xFF5581A8	[4,4]	1	io -4 0xFF5581A8 0x00100010
	Schmitt	disable	0xFF5582A8	[4,4]	0	io -4 0xFF5582A8 0x00100000
		enable	0xFF5582A8	[4,4]	1	io -4 0xFF5582A8 0x00100010
	Drive Strength	level0	0xFF558128	[0,5]	1	io -4 0xFF558128 0x003F0001
		level1	0xFF558128	[0,5]	3	io -4 0xFF558128 0x003F0003
		level2	0xFF558128	[0,5]	7	io -4 0xFF558128 0x003F0007
		level3	0xFF558128	[0,5]	15	io -4 0xFF558128 0x003F000F
		level4	0xFF558128	[0,5]	31	io -4 0xFF558128 0x003F001F
		level5	0xFF558128	[0,5]	63	io -4 0xFF558128 0x003F003F
	ExtPort	read gpio data in input mode	0xFF550070	[20,20]		io -4 0xFF550070
	IOmux	VICAP_VSYNC_M0	0xFF558054	[4,6]	1	io -4 0xFF558054 0x00700010
		GPIO3_C5	0xFF558054	[4,6]	0	io -4 0xFF558054 0x00700000
	Pull	normal	0xFF5581E8	[10,11]	0	io -4 0xFF5581E8 0x0C000000
		pullup	0xFF5581E8	[10,11]	1	io -4 0xFF5581E8 0x0C000400
		pulldown	0xFF5581E8	[10,11]	2	io -4 0xFF5581E8 0x0C000800

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Name	Config	Description	Register	Position	Value	IO Command
GPIO3C5	I/O Mode	input	0xFF55000C	[5,5]	0	io -4 0xFF55000C 0x00200000
		output	0xFF55000C	[5,5]	1	io -4 0xFF55000C 0x00200020
	Output	low	0xFF550004	[5,5]	0	io -4 0xFF550004 0x00200000
		high	0xFF550004	[5,5]	1	io -4 0xFF550004 0x00200020
	Input Ctrl	disable	0xFF5581A8	[5,5]	0	io -4 0xFF5581A8 0x00200000
		enable	0xFF5581A8	[5,5]	1	io -4 0xFF5581A8 0x00200020
	Schmitt	disable	0xFF5582A8	[5,5]	0	io -4 0xFF5582A8 0x00200000
		enable	0xFF5582A8	[5,5]	1	io -4 0xFF5582A8 0x00200020
	Drive Strength	level0	0xFF558128	[8,13]	1	io -4 0xFF558128 0x3F000100
		level1	0xFF558128	[8,13]	3	io -4 0xFF558128 0x3F000300
		level2	0xFF558128	[8,13]	7	io -4 0xFF558128 0x3F000700
		level3	0xFF558128	[8,13]	15	io -4 0xFF558128 0x3F000F00
		level4	0xFF558128	[8,13]	31	io -4 0xFF558128 0x3F001F00
		level5	0xFF558128	[8,13]	63	io -4 0xFF558128 0x3F003F00
	ExtPort	read gpio data in input mode	0xFF550070	[21,21]		io -4 0xFF550070
GPIO3C6	IOmux	VICAP_D10	0xFF558054	[8,10]	1	io -4 0xFF558054 0x07000100
		PWM7_IR_M2	0xFF558054	[8,10]	2	io -4 0xFF558054 0x07000200
		MIPI_REFCLK_OUT1	0xFF558054	[8,10]	3	io -4 0xFF558054 0x07000300
		GPIO3_C6	0xFF558054	[8,10]	0	io -4 0xFF558054 0x07000000
	Pull	normal	0xFF5581E8	[12,13]	0	io -4 0xFF5581E8 0x30000000
		pullup	0xFF5581E8	[12,13]	1	io -4 0xFF5581E8 0x30001000
		pulldown	0xFF5581E8	[12,13]	2	io -4 0xFF5581E8 0x30002000
	I/O Mode	input	0xFF55000C	[6,6]	0	io -4 0xFF55000C 0x00400000
		output	0xFF55000C	[6,6]	1	io -4 0xFF55000C 0x00400040
	Output	low	0xFF550004	[6,6]	0	io -4 0xFF550004 0x00400000
		high	0xFF550004	[6,6]	1	io -4 0xFF550004 0x00400040
	Input Ctrl	disable	0xFF5581A8	[6,6]	0	io -4 0xFF5581A8 0x00400000
		enable	0xFF5581A8	[6,6]	1	io -4 0xFF5581A8 0x00400040
	Schmitt	disable	0xFF5582A8	[6,6]	0	io -4 0xFF5582A8 0x00400000
		enable	0xFF5582A8	[6,6]	1	io -4 0xFF5582A8 0x00400040
	Drive Strength	level0	0xFF55812C	[0,5]	1	io -4 0xFF55812C 0x003F0001
		level1	0xFF55812C	[0,5]	3	io -4 0xFF55812C 0x003F0003
		level2	0xFF55812C	[0,5]	7	io -4 0xFF55812C 0x003F0007
		level3	0xFF55812C	[0,5]	15	io -4 0xFF55812C 0x003F000F
		level4	0xFF55812C	[0,5]	31	io -4 0xFF55812C 0x003F001F
		level5	0xFF55812C	[0,5]	63	io -4 0xFF55812C 0x003F003F
	ExtPort	read gpio data in input mode	0xFF550070	[22,22]		io -4 0xFF550070
GPIO3C7	IOmux	VICAP_D11	0xFF558054	[12,14]	1	io -4 0xFF558054 0x70001000
		UART5_TX_M2	0xFF558054	[12,14]	2	io -4 0xFF558054 0x70002000
		I2C4_SCL_M2	0xFF558054	[12,14]	3	io -4 0xFF558054 0x70003000
		GPIO3_C7	0xFF558054	[12,14]	0	io -4 0xFF558054 0x70000000
	Pull	normal	0xFF5581E8	[14,15]	0	io -4 0xFF5581E8 0xC0000000
		pullup	0xFF5581E8	[14,15]	1	io -4 0xFF5581E8 0xC0004000
		pulldown	0xFF5581E8	[14,15]	2	io -4 0xFF5581E8 0xC0008000
	I/O Mode	input	0xFF55000C	[7,7]	0	io -4 0xFF55000C 0x00800000
		output	0xFF55000C	[7,7]	1	io -4 0xFF55000C 0x00800080
	Output	low	0xFF550004	[7,7]	0	io -4 0xFF550004 0x00800000
		high	0xFF550004	[7,7]	1	io -4 0xFF550004 0x00800080
	Input Ctrl	disable	0xFF5581A8	[7,7]	0	io -4 0xFF5581A8 0x00800000
		enable	0xFF5581A8	[7,7]	1	io -4 0xFF5581A8 0x00800080
	Schmitt	disable	0xFF5582A8	[7,7]	0	io -4 0xFF5582A8 0x00800000
		enable	0xFF5582A8	[7,7]	1	io -4 0xFF5582A8 0x00800080
	Drive Strength	level0	0xFF55812C	[8,13]	1	io -4 0xFF55812C 0x3F000100
		level1	0xFF55812C	[8,13]	3	io -4 0xFF55812C 0x3F000300
		level2	0xFF55812C	[8,13]	7	io -4 0xFF55812C 0x3F000700
		level3	0xFF55812C	[8,13]	15	io -4 0xFF55812C 0x3F000F00
		level4	0xFF55812C	[8,13]	31	io -4 0xFF55812C 0x3F001F00
		level5	0xFF55812C	[8,13]	63	io -4 0xFF55812C 0x3F003F00
	ExtPort	read gpio data in input mode	0xFF550070	[23,23]		io -4 0xFF550070
	IOmux	VICAP_D12	0xFF558058	[0,2]	1	io -4 0xFF558058 0x00070001
		UART5_RX_M2	0xFF558058	[0,2]	2	io -4 0xFF558058 0x00070002

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Name	Config	Description	Register	Position	Value	IO Command
GPIO3D0	IOmux	I2C4_SDA_M2	0xFF558058	[0,2]	3	io -4 0xFF558058 0x00070003
		GPIO3_D0	0xFF558058	[0,2]	0	io -4 0xFF558058 0x00070000
	Pull	normal	0xFF5581EC	[0,1]	0	io -4 0xFF5581EC 0x00030000
		pullup	0xFF5581EC	[0,1]	1	io -4 0xFF5581EC 0x00030001
		pulldown	0xFF5581EC	[0,1]	2	io -4 0xFF5581EC 0x00030002
	I/O Mode	input	0xFF55000C	[8,8]	0	io -4 0xFF55000C 0x01000000
		output	0xFF55000C	[8,8]	1	io -4 0xFF55000C 0x01000100
	Output	low	0xFF550004	[8,8]	0	io -4 0xFF550004 0x01000000
		high	0xFF550004	[8,8]	1	io -4 0xFF550004 0x01000100
	Input Ctrl	disable	0xFF5581AC	[0,0]	0	io -4 0xFF5581AC 0x00010000
		enable	0xFF5581AC	[0,0]	1	io -4 0xFF5581AC 0x00010001
	Schmitt	disable	0xFF5582AC	[0,0]	0	io -4 0xFF5582AC 0x00010000
		enable	0xFF5582AC	[0,0]	1	io -4 0xFF5582AC 0x00010001
	Drive Strength	level0	0xFF558130	[0,5]	1	io -4 0xFF558130 0x003F0001
		level1	0xFF558130	[0,5]	3	io -4 0xFF558130 0x003F0003
		level2	0xFF558130	[0,5]	7	io -4 0xFF558130 0x003F0007
		level3	0xFF558130	[0,5]	15	io -4 0xFF558130 0x003F000F
		level4	0xFF558130	[0,5]	31	io -4 0xFF558130 0x003F001F
		level5	0xFF558130	[0,5]	63	io -4 0xFF558130 0x003F003F
	ExtPort	read gpio data in input mode	0xFF550070	[24,24]		io -4 0xFF550070
GPIO4A2	IOmux	EMMC_D2	0xFF568000	[8,10]	1	io -4 0xFF568000 0x07000100
		FSPI_D2	0xFF568000	[8,10]	2	io -4 0xFF568000 0x07000200
		GPIO4_A2	0xFF568000	[8,10]	0	io -4 0xFF568000 0x07000000
	Pull	normal	0xFF568070	[4,5]	0	io -4 0xFF568070 0x00300000
		pullup	0xFF568070	[4,5]	1	io -4 0xFF568070 0x00300010
		pulldown	0xFF568070	[4,5]	2	io -4 0xFF568070 0x00300020
	I/O Mode	input	0xFF560008	[2,2]	0	io -4 0xFF560008 0x00040000
		output	0xFF560008	[2,2]	1	io -4 0xFF560008 0x00040004
	Output	low	0xFF560000	[2,2]	0	io -4 0xFF560000 0x00040000
		high	0xFF560000	[2,2]	1	io -4 0xFF560000 0x00040004
	Input Ctrl	disable	0xFF568060	[2,2]	0	io -4 0xFF568060 0x00040000
		enable	0xFF568060	[2,2]	1	io -4 0xFF568060 0x00040004
	Schmitt	disable	0xFF5680A0	[2,2]	0	io -4 0xFF5680A0 0x00040000
		enable	0xFF5680A0	[2,2]	1	io -4 0xFF5680A0 0x00040004
	Drive Strength	level0	0xFF568024	[0,5]	1	io -4 0xFF568024 0x003F0001
		level1	0xFF568024	[0,5]	3	io -4 0xFF568024 0x003F0003
		level2	0xFF568024	[0,5]	7	io -4 0xFF568024 0x003F0007
		level3	0xFF568024	[0,5]	15	io -4 0xFF568024 0x003F000F
		level4	0xFF568024	[0,5]	31	io -4 0xFF568024 0x003F001F
		level5	0xFF568024	[0,5]	63	io -4 0xFF568024 0x003F003F
	ExtPort	read gpio data in input mode	0xFF560070	[2,2]		io -4 0xFF560070
GPIO4A3	IOmux	EMMC_D1	0xFF568000	[12,14]	1	io -4 0xFF568000 0x70001000
		FSPI_D1	0xFF568000	[12,14]	2	io -4 0xFF568000 0x70002000
		GPIO4_A3	0xFF568000	[12,14]	0	io -4 0xFF568000 0x70000000
	Pull	normal	0xFF568070	[6,7]	0	io -4 0xFF568070 0x00C00000
		pullup	0xFF568070	[6,7]	1	io -4 0xFF568070 0x00C00040
		pulldown	0xFF568070	[6,7]	2	io -4 0xFF568070 0x00C00080
	I/O Mode	input	0xFF560008	[3,3]	0	io -4 0xFF560008 0x00080000
		output	0xFF560008	[3,3]	1	io -4 0xFF560008 0x00080008
	Output	low	0xFF560000	[3,3]	0	io -4 0xFF560000 0x00080000
		high	0xFF560000	[3,3]	1	io -4 0xFF560000 0x00080008
	Input Ctrl	disable	0xFF568060	[3,3]	0	io -4 0xFF568060 0x00080000
		enable	0xFF568060	[3,3]	1	io -4 0xFF568060 0x00080008
	Schmitt	disable	0xFF5680A0	[3,3]	0	io -4 0xFF5680A0 0x00080000
		enable	0xFF5680A0	[3,3]	1	io -4 0xFF5680A0 0x00080008
		level0	0xFF568024	[8,13]	1	io -4 0xFF568024 0x3F000100

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Name	Config	Description	Register	Position	Value	IO Command
	Drive Strength	level1	0xFF568024	[8,13]	3	io -4 0xFF568024 0x3F000300
		level2	0xFF568024	[8,13]	7	io -4 0xFF568024 0x3F000700
		level3	0xFF568024	[8,13]	15	io -4 0xFF568024 0x3F000F00
		level4	0xFF568024	[8,13]	31	io -4 0xFF568024 0x3F001F00
		level5	0xFF568024	[8,13]	63	io -4 0xFF568024 0x3F003F00
	ExtPort	read gpio data in input mode	0xFF560070	[3,3]		io -4 0xFF560070
GPIO4A4	IOmux	EMMC_D0	0xFF568004	[0,2]	1	io -4 0xFF568004 0x00070001
		FSPI_D0	0xFF568004	[0,2]	2	io -4 0xFF568004 0x00070002
		GPIO4_A4	0xFF568004	[0,2]	0	io -4 0xFF568004 0x00070000
	Pull	normal	0xFF568070	[8,9]	0	io -4 0xFF568070 0x03000000
		pullup	0xFF568070	[8,9]	1	io -4 0xFF568070 0x03000100
		pulldown	0xFF568070	[8,9]	2	io -4 0xFF568070 0x03000200
	I/O Mode	input	0xFF560008	[4,4]	0	io -4 0xFF560008 0x00100000
		output	0xFF560008	[4,4]	1	io -4 0xFF560008 0x00100010
	Output	low	0xFF560000	[4,4]	0	io -4 0xFF560000 0x00100000
		high	0xFF560000	[4,4]	1	io -4 0xFF560000 0x00100010
	Input Ctrl	disable	0xFF568060	[4,4]	0	io -4 0xFF568060 0x00100000
		enable	0xFF568060	[4,4]	1	io -4 0xFF568060 0x00100010
	Schmitt	disable	0xFF5680A0	[4,4]	0	io -4 0xFF5680A0 0x00100000
		enable	0xFF5680A0	[4,4]	1	io -4 0xFF5680A0 0x00100010
	Drive Strength	level0	0xFF568028	[0,5]	1	io -4 0xFF568028 0x003F0001
		level1	0xFF568028	[0,5]	3	io -4 0xFF568028 0x003F0003
		level2	0xFF568028	[0,5]	7	io -4 0xFF568028 0x003F0007
		level3	0xFF568028	[0,5]	15	io -4 0xFF568028 0x003F000F
		level4	0xFF568028	[0,5]	31	io -4 0xFF568028 0x003F001F
		level5	0xFF568028	[0,5]	63	io -4 0xFF568028 0x003F003F
	ExtPort	read gpio data in input mode	0xFF560070	[4,4]		io -4 0xFF560070
GPIO4A6	IOmux	EMMC_D3	0xFF568004	[8,10]	1	io -4 0xFF568004 0x07000100
		FSPI_D3	0xFF568004	[8,10]	2	io -4 0xFF568004 0x07000200
		GPIO4_A6	0xFF568004	[8,10]	0	io -4 0xFF568004 0x07000000
	Pull	normal	0xFF568070	[12,13]	0	io -4 0xFF568070 0x30000000
		pullup	0xFF568070	[12,13]	1	io -4 0xFF568070 0x30001000
		pulldown	0xFF568070	[12,13]	2	io -4 0xFF568070 0x30002000
	I/O Mode	input	0xFF560008	[6,6]	0	io -4 0xFF560008 0x00400000
		output	0xFF560008	[6,6]	1	io -4 0xFF560008 0x00400040
	Output	low	0xFF560000	[6,6]	0	io -4 0xFF560000 0x00400000
		high	0xFF560000	[6,6]	1	io -4 0xFF560000 0x00400040
	Input Ctrl	disable	0xFF568060	[6,6]	0	io -4 0xFF568060 0x00400000
		enable	0xFF568060	[6,6]	1	io -4 0xFF568060 0x00400040
	Schmitt	disable	0xFF5680A0	[6,6]	0	io -4 0xFF5680A0 0x00400000
		enable	0xFF5680A0	[6,6]	1	io -4 0xFF5680A0 0x00400040
	Drive Strength	level0	0xFF56802C	[0,5]	1	io -4 0xFF56802C 0x003F0001
		level1	0xFF56802C	[0,5]	3	io -4 0xFF56802C 0x003F0003
		level2	0xFF56802C	[0,5]	7	io -4 0xFF56802C 0x003F0007
		level3	0xFF56802C	[0,5]	15	io -4 0xFF56802C 0x003F000F
		level4	0xFF56802C	[0,5]	31	io -4 0xFF56802C 0x003F001F
		level5	0xFF56802C	[0,5]	63	io -4 0xFF56802C 0x003F003F
	ExtPort	read gpio data in input mode	0xFF560070	[6,6]		io -4 0xFF560070
GPIO4B0	IOmux	EMMC_CMD	0xFF568008	[0,2]	1	io -4 0xFF568008 0x00070001
		FSPI_CS0N	0xFF568008	[0,2]	2	io -4 0xFF568008 0x00070002
		GPIO4_B0	0xFF568008	[0,2]	0	io -4 0xFF568008 0x00070000
	Pull	normal	0xFF568074	[0,1]	0	io -4 0xFF568074 0x00030000
		pullup	0xFF568074	[0,1]	1	io -4 0xFF568074 0x00030001
		pulldown	0xFF568074	[0,1]	2	io -4 0xFF568074 0x00030002
	I/O Mode	input	0xFF560008	[8,8]	0	io -4 0xFF560008 0x01000000
		output	0xFF560008	[8,8]	1	io -4 0xFF560008 0x01000100
	Output	low	0xFF560000	[8,8]	0	io -4 0xFF560000 0x01000000
		high	0xFF560000	[8,8]	1	io -4 0xFF560000 0x01000100
	Input Ctrl	disable	0xFF568064	[0,0]	0	io -4 0xFF568064 0x00010000

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Name	Config	Description	Register	Position	Value	IO Command
	Input Ctrl	enable	0xFF568064	[0,0]	1	io -4 0xFF568064 0x00010001
	Schmitt	disable	0xFF5680A4	[0,0]	0	io -4 0xFF5680A4 0x00010000
		enable	0xFF5680A4	[0,0]	1	io -4 0xFF5680A4 0x00010001
	Drive Strength	level0	0xFF568030	[0,5]	1	io -4 0xFF568030 0x003F0001
		level1	0xFF568030	[0,5]	3	io -4 0xFF568030 0x003F0003
		level2	0xFF568030	[0,5]	7	io -4 0xFF568030 0x003F0007
		level3	0xFF568030	[0,5]	15	io -4 0xFF568030 0x003F000F
		level4	0xFF568030	[0,5]	31	io -4 0xFF568030 0x003F001F
		level5	0xFF568030	[0,5]	63	io -4 0xFF568030 0x003F003F
	ExtPort	read gpio data in input mode	0xFF560070	[8,8]		io -4 0xFF560070
GPIO4B1	IOmux	EMMC_CLK	0xFF568008	[4,6]	1	io -4 0xFF568008 0x00700010
		FSPI_CLK	0xFF568008	[4,6]	2	io -4 0xFF568008 0x00700020
		GPIO4_B1	0xFF568008	[4,6]	0	io -4 0xFF568008 0x00700000
	Pull	normal	0xFF568074	[2,3]	0	io -4 0xFF568074 0x000C0000
		pullup	0xFF568074	[2,3]	1	io -4 0xFF568074 0x000C0004
		pulldown	0xFF568074	[2,3]	2	io -4 0xFF568074 0x000C0008
	I/O Mode	input	0xFF560008	[9,9]	0	io -4 0xFF560008 0x02000000
		output	0xFF560008	[9,9]	1	io -4 0xFF560008 0x02000200
	Output	low	0xFF560000	[9,9]	0	io -4 0xFF560000 0x02000000
		high	0xFF560000	[9,9]	1	io -4 0xFF560000 0x02000200
	Input Ctrl	disable	0xFF568064	[1,1]	0	io -4 0xFF568064 0x00020000
		enable	0xFF568064	[1,1]	1	io -4 0xFF568064 0x00020002
	Schmitt	disable	0xFF5680A4	[1,1]	0	io -4 0xFF5680A4 0x00020000
		enable	0xFF5680A4	[1,1]	1	io -4 0xFF5680A4 0x00020002
	Drive Strength	level0	0xFF568030	[8,13]	1	io -4 0xFF568030 0x3F000100
		level1	0xFF568030	[8,13]	3	io -4 0xFF568030 0x3F000300
		level2	0xFF568030	[8,13]	7	io -4 0xFF568030 0x3F000700
		level3	0xFF568030	[8,13]	15	io -4 0xFF568030 0x3F000F00
		level4	0xFF568030	[8,13]	31	io -4 0xFF568030 0x3F001F00
		level5	0xFF568030	[8,13]	63	io -4 0xFF568030 0x3F003F00
	ExtPort	read gpio data in input mode	0xFF560070	[9,9]		io -4 0xFF560070
GPIO4C0	IOmux	ADC_IN0	0xFF568010	[0,2]	1	io -4 0xFF568010 0x00070001
		GPIO4_C0	0xFF568010	[0,2]	0	io -4 0xFF568010 0x00070000
	Pull	normal	0xFF5680C0	[13,14]	0	io -4 0xFF5680C0 0x60000000
		pullup	0xFF5680C0	[13,14]	3	io -4 0xFF5680C0 0x60006000
		pulldown	0xFF5680C0	[13,14]	1	io -4 0xFF5680C0 0x60002000
	I/O Mode	input	0xFF56000C	[0,0]	0	io -4 0xFF56000C 0x00010000
		output	0xFF56000C	[0,0]	1	io -4 0xFF56000C 0x00010001
	Output	low	0xFF560004	[0,0]	0	io -4 0xFF560004 0x00010000
		high	0xFF560004	[0,0]	1	io -4 0xFF560004 0x00010001
	Input Ctrl	disable	0xFF5680C0	[2,2]	0	io -4 0xFF5680C0 0x00040000
		enable	0xFF5680C0	[2,2]	1	io -4 0xFF5680C0 0x00040004
	Schmitt					
	Drive Strength	level0	0xFF5680C0	[10,11]	0	io -4 0xFF5680C0 0x0C000000
		level1	0xFF5680C0	[10,11]	1	io -4 0xFF5680C0 0x0C000400
		level2	0xFF5680C0	[10,11]	2	io -4 0xFF5680C0 0x0C000800
		level3	0xFF5680C0	[10,11]	3	io -4 0xFF5680C0 0x0C000C00
	ExtPort	read gpio data in input mode	0xFF560070	[16,16]		io -4 0xFF560070
GPIO4C1	IOmux	ADC_IN1	0xFF568010	[4,6]	1	io -4 0xFF568010 0x00700010
		PWM1_M1	0xFF568010	[4,6]	2	io -4 0xFF568010 0x00700020
		GPIO4_C1	0xFF568010	[4,6]	0	io -4 0xFF568010 0x00700000
	Pull	normal	0xFF5680C0	[13,14]	0	io -4 0xFF5680C0 0x60000000
		pullup	0xFF5680C0	[13,14]	3	io -4 0xFF5680C0 0x60006000
		pulldown	0xFF5680C0	[13,14]	1	io -4 0xFF5680C0 0x60002000
	I/O Mode	input	0xFF56000C	[1,1]	0	io -4 0xFF56000C 0x00020000
		output	0xFF56000C	[1,1]	1	io -4 0xFF56000C 0x00020002
	Output	low	0xFF560004	[1,1]	0	io -4 0xFF560004 0x00020000
		high	0xFF560004	[1,1]	1	io -4 0xFF560004 0x00020002
	Input Ctrl	disable	0xFF5680C0	[3,3]	0	io -4 0xFF5680C0 0x00080000
		enable	0xFF5680C0	[3,3]	1	io -4 0xFF5680C0 0x00080008
	Schmitt					

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Name	Config	Description	Register	Position	Value	IO Command
	Drive Strength	level0	0xFF5680C0	[10,11]	0	io -4 0xFF5680C0 0x0C000000
		level1	0xFF5680C0	[10,11]	1	io -4 0xFF5680C0 0x0C000400
		level2	0xFF5680C0	[10,11]	2	io -4 0xFF5680C0 0x0C000800
		level3	0xFF5680C0	[10,11]	3	io -4 0xFF5680C0 0x0C000C00
	ExtPort	read gpio data in input mode	0xFF560070	[17,17]		io -4 0xFF560070