

HPS Function	HPS Pin Mux Select 15	HPS Pin Mux Select 14	HPS Pin Mux Select 13	HPS Pin Mux Select 12	HPS Pin Mux Select 11	HPS Pin Mux Select 10	HPS Pin Mux Select 9	HPS Pin Mux Select 8	HPS Pin Mux Select 7	HPS Pin Mux Select 6	HPS Pin Mux Select 5	HPS Pin Mux Select 4	HPS Pin Mux Select 3	HPS Pin Mux Select 2	HPS Pin Mux Select 1	HPS Pin Mux Select 0
HPS_DIRECT_SHARED_Q4_12	GPIO1_I023	NAND_ADQ15		Trace_D3				EMAC2_RXD3					SPIM0_SS0_N	SPI01_MISO	EMAC0_MDC	I2C_EMAC0_SCL
HPS_DIRECT_SHARED_Q4_11	GPIO1_I022	NAND_ADQ14		Trace_D2				EMAC2_RXD2					SPIM0_MISO	SPI01_SS0_N	EMAC0_MDIO	I2C_EMAC0_SDA
HPS_DIRECT_SHARED_Q4_10	GPIO1_I021	NAND_ADQ13		Trace_D1				EMAC2_TXD3				SDMMC_DATA7	SPIM0_MOSI	SPI01_MOSI		I2C_EMAC2_SCL
HPS_DIRECT_SHARED_Q4_9	GPIO1_I020	NAND_ADQ12		Trace_D0				EMAC2_TXD2				SDMMC_DATA6	SPIM0_CLK	SPI01_CLK		I2C_EMAC2_SDA
HPS_DIRECT_SHARED_Q4_8	GPIO1_I019	NAND_ADQ11		Trace_CLK				EMAC2_RXD1				SDMMC_DATA5	SPIM0_SS0_N		EMAC1_MDC	I2C_EMAC1_SCL
HPS_DIRECT_SHARED_Q4_7	GPIO1_I018	NAND_ADQ10						EMAC2_RXD0				SDMMC_DATA4	SPIM0_MISO		EMAC1_MDIO	I2C_EMAC1_SDA
HPS_DIRECT_SHARED_Q4_6	GPIO1_I017	NAND_ADQ9	UART1_RTS_N		QSPI_SS3			EMAC2_TXD1				SDMMC_DATA3	SPIM0_SS1_N			
HPS_DIRECT_SHARED_Q4_5	GPIO1_I016	NAND_ADQ8	UART1_CTS_N		QSPI_SS2			EMAC2_TXD0				SDMMC_DATA2				
HPS_DIRECT_SHARED_Q4_4	GPIO1_I015		UART1_RX		Trace_CLK			EMAC2_RX_CTL				SDMMC_DATA1				
HPS_DIRECT_SHARED_Q4_3	GPIO1_I014	NAND_CE_N	UART1_TX					EMAC2_RX_CLK				SDMMC_CCLK				
HPS_DIRECT_SHARED_Q4_2	GPIO1_I013	NAND_RB						EMAC2_TX_CTL				SDMMC_CMD				I2C1_SCL
HPS_DIRECT_SHARED_Q4_1	GPIO1_I012	NAND_ALE						EMAC2_TX_CLK				SDMMC_DATA0				I2C1_SDA
HPS_DIRECT_SHARED_Q3_12	GPIO1_I011	NAND_ADQ7						EMAC1_RXD3						SPI00_MISO	EMAC0_MDC	I2C_EMAC0_SCL
HPS_DIRECT_SHARED_Q3_11	GPIO1_I010	NAND_ADQ6						EMAC1_RXD2						SPI00_SS0_N	EMAC0_MDIO	I2C_EMAC0_SDA
HPS_DIRECT_SHARED_Q3_10	GPIO1_I009	NAND_ADQ5						EMAC1_TXD3						SPI00_MOSI	EMAC2_MDC	I2C_EMAC2_SCL
HPS_DIRECT_SHARED_Q3_9	GPIO1_I008	NAND_ADQ4						EMAC1_TXD2						SPI00_CLK	EMAC2_MDIO	I2C_EMAC2_SDA
HPS_DIRECT_SHARED_Q3_8	GPIO1_I007	NAND_CLE	UART1_RX					EMAC1_RXD1						SPI01_MISO		I2C1_SCL
HPS_DIRECT_SHARED_Q3_7	GPIO1_I006	NAND_ADQ3	UART1_TX					EMAC1_RXD0						SPI01_SS0_N		I2C1_SDA
HPS_DIRECT_SHARED_Q3_6	GPIO1_I005	NAND_ADQ2	UART1_RTS_N					EMAC1_TXD1						SPI01_MOSI		
HPS_DIRECT_SHARED_Q3_5	GPIO1_I004	NAND_WP_N	UART1_CTS_N					EMAC1_TXD0					SPIM1_SS1_N	SPI01_CLK		
HPS_DIRECT_SHARED_Q3_4	GPIO1_I003	NAND_RE_N	UART0_RX					EMAC1_RX_CTL					SPIM1_SS0_N			I2C0_SCL
HPS_DIRECT_SHARED_Q3_3	GPIO1_I002	NAND_WE_N	UART0_TX					EMAC1_RX_CLK					SPIM1_MISO			I2C0_SDA
HPS_DIRECT_SHARED_Q3_2	GPIO1_I001	NAND_ADQ1	UART0_RTS_N					EMAC1_TX_CTL								
HPS_DIRECT_SHARED_Q3_1	GPIO1_I000	NAND_ADQ0	UART0_CTS_N					EMAC1_TX_CLK								
HPS_DIRECT_SHARED_Q2_12	GPIO0_I023	NAND_ADQ15	UART0_RX					USB1_DATA7				EMAC0_RXD3	SPIM1_SS0_N	SPI00_MISO		I2C0_SCL
HPS_DIRECT_SHARED_Q2_11	GPIO0_I022	NAND_ADQ14	UART0_TX					USB1_DATA6				EMAC0_RXD2	SPIM1_MISO	SPI00_SS0_N		I2C0_SDA
HPS_DIRECT_SHARED_Q2_10	GPIO0_I021	NAND_ADQ13	UART0_RTS_N					USB1_DATA5				EMAC0_TXD3	SPIM1_MOSI	SPI00_MOSI		I2C1_SCL
HPS_DIRECT_SHARED_Q2_9	GPIO0_I020	NAND_ADQ12	UART0_CTS_N					USB1_DATA4				EMAC0_TXD2	SPIM1_CLK	SPI00_CLK		I2C1_SDA
HPS_DIRECT_SHARED_Q2_8	GPIO0_I019	NAND_ADQ11						USB1_DATA3				EMAC0_RXD1	SPIM1_SS1_N			
HPS_DIRECT_SHARED_Q2_7	GPIO0_I018	NAND_ADQ10						USB1_DATA2				EMAC0_RXD0				
HPS_DIRECT_SHARED_Q2_6	GPIO0_I017	NAND_ADQ9						USB1_NXT				EMAC0_TXD1				
HPS_DIRECT_SHARED_Q2_5	GPIO0_I016	NAND_ADQ8						USB1_DATA1				EMAC0_TXD0				
HPS_DIRECT_SHARED_Q2_4	GPIO0_I015							USB1_DATA0				EMAC0_RX_CTL				
HPS_DIRECT_SHARED_Q2_3	GPIO0_I014	NAND_CE_N						USB1_DIR				EMAC0_RX_CLK				
HPS_DIRECT_SHARED_Q2_2	GPIO0_I013	NAND_RB						USB1_STP				EMAC0_TX_CTL				
HPS_DIRECT_SHARED_Q2_1	GPIO0_I012	NAND_ALE						USB1_CLK				EMAC0_TX_CLK				
HPS_DIRECT_SHARED_Q1_12	GPIO0_I011	NAND_ADQ7						USB0_DATA7					SPIM1_SS0_N	SPI01_MISO	EMAC0_MDC	I2C_EMAC0_SCL
HPS_DIRECT_SHARED_Q1_11	GPIO0_I010	NAND_ADQ6						USB0_DATA6					SPIM1_MISO	SPI01_SS0_N	EMAC0_MDIO	I2C_EMAC0_SDA
HPS_DIRECT_SHARED_Q1_10	GPIO0_I009	NAND_ADQ5						USB0_DATA5				SDMMC_DATA7	SPIM1_MOSI	SPI01_MOSI	EMAC1_MDC	I2C_EMAC1_SCL
HPS_DIRECT_SHARED_Q1_9	GPIO0_I008	NAND_ADQ4						USB0_DATA4				SDMMC_DATA6	SPIM1_CLK	SPI01_CLK	EMAC1_MDIO	I2C_EMAC1_SDA
HPS_DIRECT_SHARED_Q1_8	GPIO0_I007	NAND_CLE	UART1_RX					USB0_DATA3				SDMMC_DATA5	SPIM0_SS0_N		EMAC2_MDC	I2C_EMAC2_SCL
HPS_DIRECT_SHARED_Q1_7	GPIO0_I006	NAND_ADQ3	UART1_TX					USB0_DATA2				SDMMC_DATA4	SPIM0_MISO		EMAC2_MDIO	I2C_EMAC2_SDA
HPS_DIRECT_SHARED_Q1_6	GPIO0_I005	NAND_ADQ2	UART1_RTS_N		QSPI_SS3			USB0_NXT				SDMMC_DATA3	SPIM0_MOSI			I2C0_SCL
HPS_DIRECT_SHARED_Q1_5	GPIO0_I004	NAND_WP_N	UART1_CTS_N		QSPI_SS2			USB0_DATA1				SDMMC_DATA2	SPIM0_CLK			I2C0_SDA
HPS_DIRECT_SHARED_Q1_4	GPIO0_I003	NAND_RE_N	UART0_RX					USB0_DATA0				SDMMC_DATA1		SPI00_MISO		I2C1_SCL
HPS_DIRECT_SHARED_Q1_3	GPIO0_I002	NAND_WE_N	UART0_TX					USB0_DIR				SDMMC_CCLK	SPIM0_SS0_N			I2C1_SDA
HPS_DIRECT_SHARED_Q1_2	GPIO0_I001	NAND_ADQ1	UART0_RTS_N					USB0_STP				SDMMC_CMD	SPIM1_SS1_N	SPI00_MOSI		
HPS_DIRECT_SHARED_Q1_1	GPIO0_I000	NAND_ADQ0	UART0_CTS_N					USB0_CLK				SDMMC_DATA0	SPIM0_SS1_N	SPI00_CLK		
HPS_CLK1																
HPS_nPOR																
HPS_nRST																
HPS_DEDICATED_4	GPIO2_I00	NAND_ADQ0						SDMMC_DATA0				QSPI_CLK				
HPS_DEDICATED_5	GPIO2_I01	NAND_ADQ1										QSPI_I00				
BOOTSEL2/HPS_DEDICATED_6	GPIO2_I02	NAND_WE_N										QSPI_SS0				
HPS_DEDICATED_7	GPIO2_I03	NAND_RE_N						SDMMC_DATA1				QSPI_I01				
HPS_DEDICATED_8	GPIO2_I04	NAND_ADQ2						SDMMC_DATA2				QSPI_I02_WPN				
HPS_DEDICATED_9	GPIO2_I05	NAND_ADQ3						SDMMC_DATA3				QSPI_I03_HOLD				
BOOTSEL1/HPS_DEDICATED_10	GPIO2_I06	NAND_CLE						SDMMC_PWR_ENA					SPIM0_SS1_N	SPI00_MISO		
BOOTSEL0/HPS_DEDICATED_11	GPIO2_I07	NAND_ALE						QSPI_SS1				CM_PLL_CLK0	SPIM0_CLK			
HPS_DEDICATED_12	GPIO2_I08	NAND_RB	UART1_TX					SDMMC_DATA4				CM_PLL_CLK1	SPIM0_MOSI		EMAC1_MDIO	I2C_EMAC1_SDA
HPS_DEDICATED_13	GPIO2_I09	NAND_CE_N	UART1_RTS_N					SDMMC_DATA5				CM_PLL_CLK2	SPIM0_MISO		EMAC1_MDC	I2C_EMAC1_SCL
HPS_DEDICATED_14	GPIO2_I010	NAND_ADQ4	UART1_CTS_N					SDMMC_DATA6				CM_PLL_CLK3	SPIM0_SS0_N		EMAC2_MDIO	I2C_EMAC2_SDA
HPS_DEDICATED_15	GPIO2_I011	NAND_ADQ5	UART1_RX					SDMMC_DATA7				CM_PLL_CLK4		SPI00_CLK	EMAC2_MDC	I2C_EMAC2_SCL
HPS_DEDICATED_16	GPIO2_I012	NAND_ADQ6	UART1_TX					QSPI_SS2					SPI00_MOSI	EMAC0_MDIO	EMAC0_MDC	I2C_EMAC0_SDA
HPS_DEDICATED_17	GPIO2_I013	NAND_ADQ7	UART1_RX					QSPI_SS3					SPI00_SS0_N	EMAC0_MDC		I2C_EMAC0_SCL

Version Number	Date	Changes Made
1.0	9/26/2014	Initial release.
1.1	3/24/2017	Rebranded as Intel.