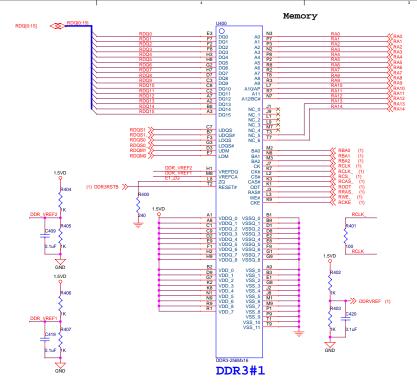
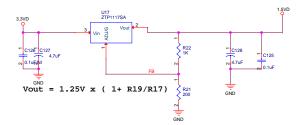
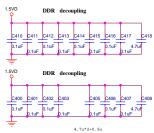


GPIO18/WPS/RESET 3.3VD • WPS switch LED GPIO 1 R272 2 330 1 R253 2 330 LED2X1 (DIP) 7 of 16







Boot Strapping

Pin Name	Description	Value				
SPI_CLK	DRAM_FROM_EE	For non scan mode: 0: DRAM/PLL configuration from EEPROM 1: DRAM configuration from Auto Detect For FT mode: 0: SUTIF 1: 3-wire SPI				
{SPI_CS1_N, SPI_CS0_N, MDC }	XTAL_MODE	000: 20 MHz, Self Oscillation mode 001: 20 MHz, Single end input 010: 20 MHz, differential input 011: 40 MHz, Self Oscillation mode 011: 40 MHz, Self Oscillation mode 110: 40 MHz, Single end input 110: 25 MHz, Self Oscillation mode 111: 25 MHz, Single end input				
PERST_N	OCP_RATIO	0: 1:3 1: 1:4				
TXD2	DRAM_TYPE	0: DDR3 1: DDR2				
{RTS2_N, RTS3_N, TXD1, GPIO0}	CHIP_MODE[3:0]	0000: Normal / Boot from SPI 4-byte address and XTAL clock 0001: Normal / Boot from ROM (NAND page 2k+64 bytes) 0010: Normal / Boot from SPI 3-byte address 0011: Normal / Boot from SPI 4-byte address 0010: iNIC RGMI / Boot from ROM 0101: iNIC MII / Boot from ROM 0110: iNIC RVMII / Boot from ROM 0110: iNIC RGMII / Boot from ROM 0111: iNIC PHY / Boot from ROM 1000: iNIC RGMII / Boot from ROM and XTAL clock 1001: Normal / Boot from ROM (NAND page 2k+128 bytes) 1011: Normal / Boot from ROM (NAND page 4k+128 bytes) 1100: Normal / Boot from ROM (NAND page 4k+224 bytes) 1101: Debug mode 1110: Scan mode 1111: Final Test				

		Giga Swite	ch Hardware Trap	
Pin Name	Trap	Fuction	Description	Defaul
P0_LED_0	HWTRAP[0]	HT_CHIP_MODE[0]	chip. mode(3:0) 4/b0000: IDDQ mode 4/b0000: IDDQ mode 4/b0001: IDDQ mode 4/b0001: IDTEST mode 4/b0010: NANDTREE mode 4/b0010: RING mode (both IO and std-cell) 4/b0100: SCAN mode (internal) 4/b0101: SCAN-CMBP mode (compression) 4/b0111: SCAN-MBIST-OLT mode 4/b1000: AFE-OLT mode 4/b1001: GPHY ATE mode 4/b1010: GPHY ADUMP mode 4/b1011: GPHY ADUMP mode 4/b1011: GPHY ADUMP mode 4/b1011: Reserved 4/b1101: Reserved 4/b1101: normal mode	4 'b111
P1_LED_0	HWTRAP[1]	HT_CHIP_MODE[1]	-	
P2_LED_0	HWTRAP[2]	HT_CHIP_MODE[2]	7	
P0_LED_1	HWTRAP[3]	HT_CHIP_MODE[3]	7	
P3_LED_0	HWTRAP[9]	HT_XTAL_FSEL[0]	External Crystal Frequency Selection xtal freq_sel[1:0] 2'b01: 20MHz 2'b10: 40MHz 2'b11: 25MHz	2'b10
P4_LED_0	HWTRAP[10]	HT_XTAL_FSEL[1]		

