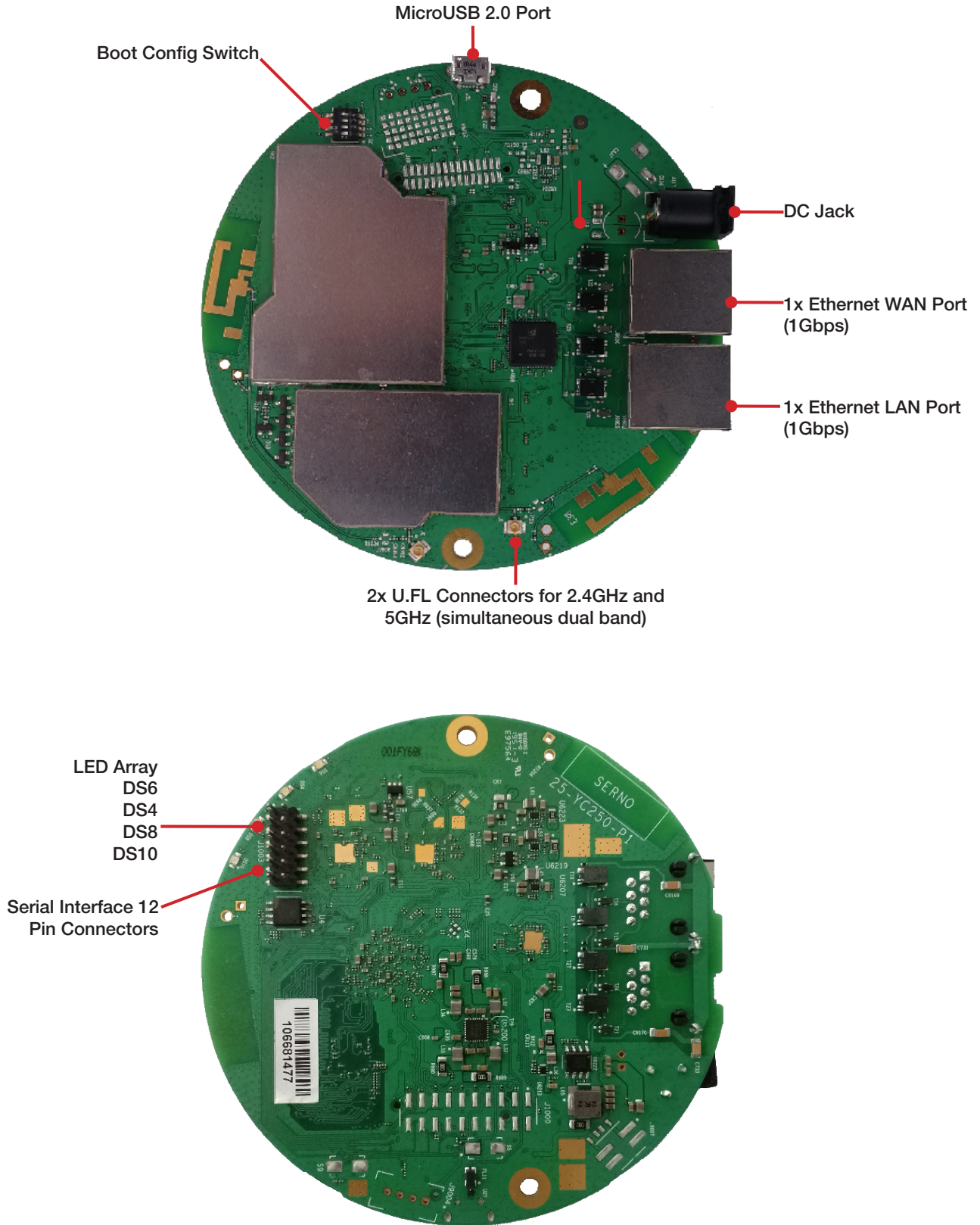


Component and Connector Map



Power Requirements

DC Power	1x DC 12V for Main Board
Power Consumption	13W (Max)

Serial Interface Pin Assignment

Serial Interface			
Pin	Signal	Pin	Signal
1	DVDD_3.3V	2	NC
3	UART_RXD_CONN	4	NC
5	NC	6	NC
7	NC	8	NC
9	UART_TXD_CONN	10	NC
11	GND	12	NC

MicroUSB 2.0 Port Pin Assignment

MicroUSB 2.0 Port	
Pin	Signal
1	DVDD_5V_USB
2	USB_DM
3	USB_DP
4	GND
5	GND

Boot Config Switch

Boot Config Switch			
Boot Config			Boot up Interface Select
Switch1	Switch2	Switch3	
Off	Off	Off	SPI NOR. (Default)
Off	Off	On	eMMC
Off	On	Off	QPIC, Parallel NAND
Off	On	On	USB2.0
On	Off	Off	SPI-NOR-GPT
Switch4			Boot up Interface Select
Off			Boot from code ram
On			Boot from ROM (Default)

LED Assignment

LED Indicator	
Location	Signal
DS4	LED_5GM_GPIO35
DS6	LAN_LED
DS8	WAN_LED
DS10	LED_2GS_GPIO37

GPIO Pin Mapping

GPIO Pin Mapping			
Pin	Signal	Pin	Signal
GPIO_0	AUDIO_MUTE_BUT	GPIO_1	QPIC_BUSY_N
GPIO_2	MIC_VOL_M	GPIO_3	QPIC_WE_N
GPIO_4	QPIC_RE_N	GPIO_5	QPIC_DATA4
GPIO_6	QPIC_DATA5	GPIO_7	QPIC_DATA6
GPIO_8	QPIC_DATA7	GPIO_9	WPS
GPIO_10	QPIC_CLE_N	GPIO_11	QPIC_NAND_CE_N
GPIO_12	QPIC_DATA1	GPIO_13	QPIC_DATA2
GPIO_14	QPIC_DATA3	GPIO_15	QPIC_DATA0
GPIO_16	MIC_KPD_PWR_N	GPIO_17	QPIC_ALE
GPIO_18	KYPD_HOME_N	GPIO_19	NC
GPIO_20	NC	GPIO_21	MUTE_ON
GPIO_22	ADC_RST	GPIO_23	WSA_SWR_CLK
GPIO_24	WSA_SWR_DATA	GPIO_25	PWM_LED_RST
GPIO_26	NC	GPIO_27	WSA_EN_R
GPIO_28	WSA_EN_L	GPIO_29	PDM_CLK0
GPIO_30	PDM_DATA0	GPIO_31	PDM_CLK1
GPIO_32	PDM_DATA1	GPIO_33	EXT_MCLK2_ADC
GPIO_34	MIC_VOL_P	GPIO_35	LED_5GM
GPIO_36	NC	GPIO_37	LED_2GS
GPIO_38	SPI0_CLK	GPIO_39	SPI0_CS_NI
GPIO_40	SPI0_MISO	GPIO_41	SPI0_MOSI
GPIO_42	BLSP4_SCL	GPIO_43	BLSP4_SDA
GPIO_44	BLSP2_UART_RX	GPIO_45	BLSP2_UART_TX
GPIO_46	BLSP5_SCL	GPIO_47	BLSP5_SDA
GPIO_48	NC	GPIO_49	Boot_config(PULL_DOWN)
GPIO_50	Boot_config(PULL_DOWN)	GPIO_51	NC
GPIO_52	Boot_config(PULL_DOWN)	GPIO_53	NC
GPIO_54	Boot_config(PULL_DOWN)	GPIO_55	NC
GPIO_56	NC	GPIO_57	NC
GPIO_58	NC	GPIO_59	NC
GPIO_60	NC	GPIO_61	NC
GPIO_62	NC	GPIO_63	NC
GPIO_64	MDC	GPIO_65	MDIO
GPIO_66	NC	GPIO_67	NC
GPIO_68	NC	GPIO_69	NC
GPIO_70	NC	GPIO_71	NC
GPIO_72	NC	GPIO_73	NC
GPIO_74	NC	GPIO_75	Malibu_RESET
GPIO_76	NC	GPIO_77	NC
GPIO_78	NC	GPIO_79	NC

Ethernet LAN/WAN Port Pin Assignment

Ethernet LAN/WAN Port (RJ45 1Gbps)	
Pin	Signal
1	1G_CH0_P
2	1G_CH0_N
3	1G_CH1_P
4	1G_CH2_P
5	1G_CH2_N
6	1G_CH1_N
7	1G_CH3_P
8	1G_CH3_N