

R380

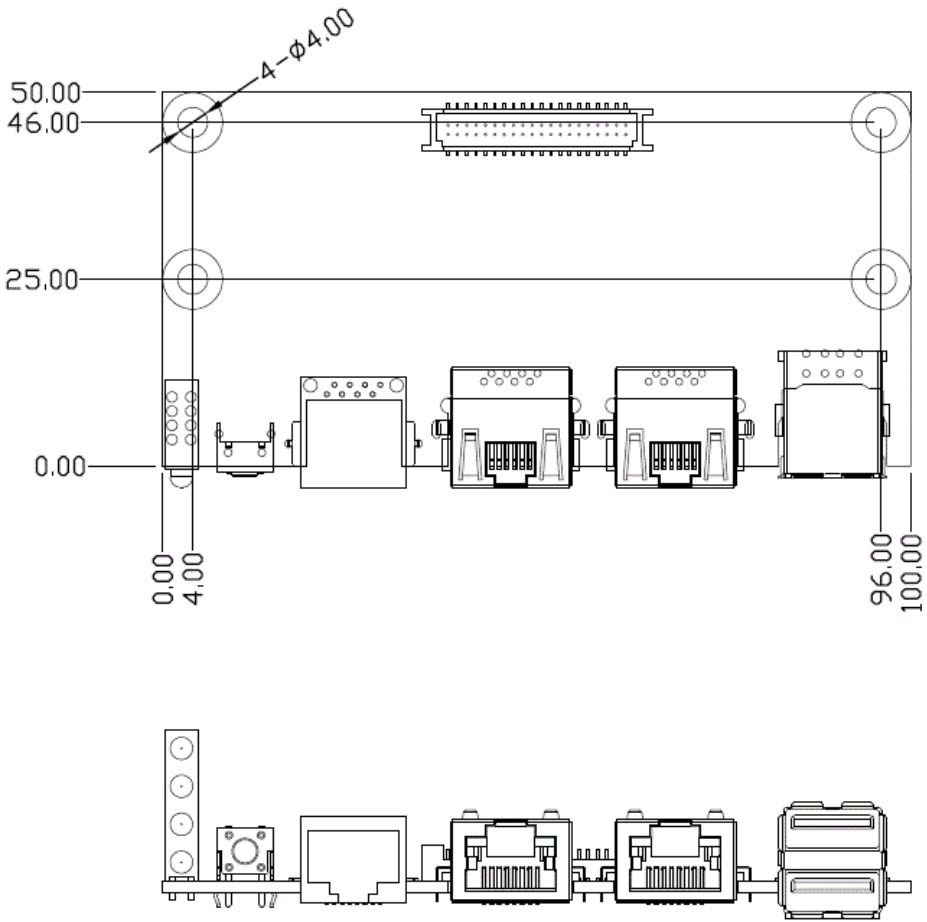
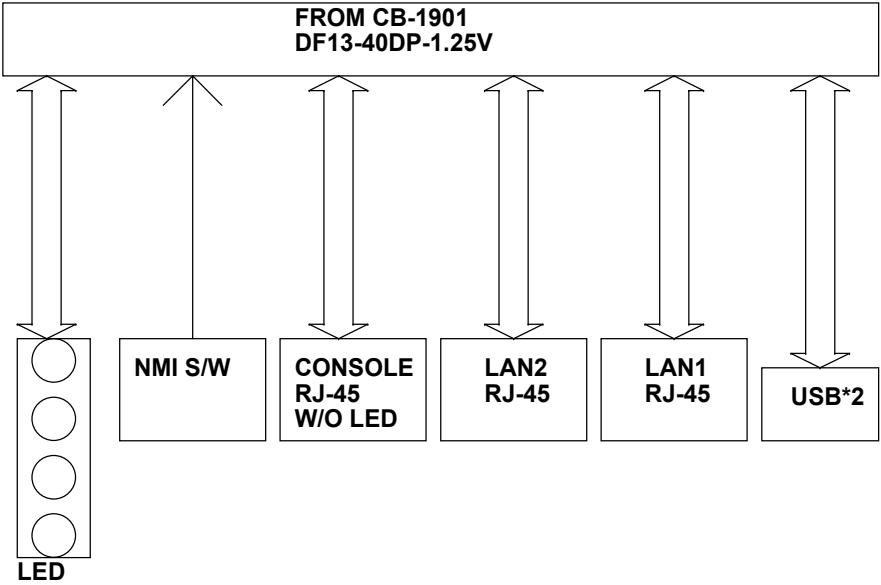
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History

R380A: (NA/Y/Y/R/G) 13L-LED117-00,R25=150ohm
R380B: (NA/G/Y/R/G) 13L-LED123-00,R25=150ohm
R380C: (NA/R/G/Y/B) 13L-LED126-00,R25=5.6K.

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BLOCK DIAGRAM



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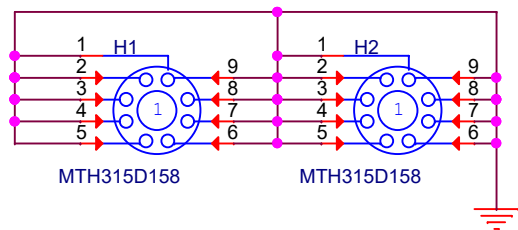
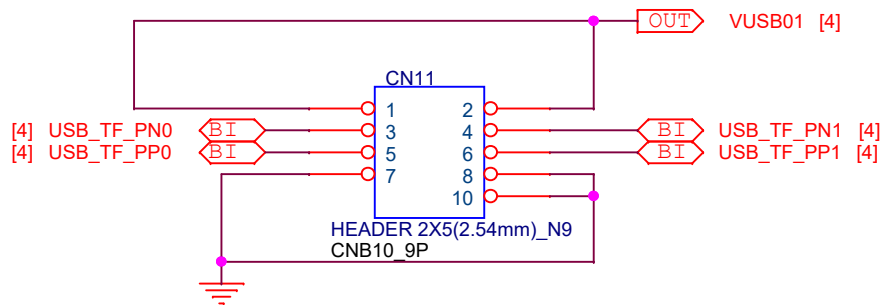
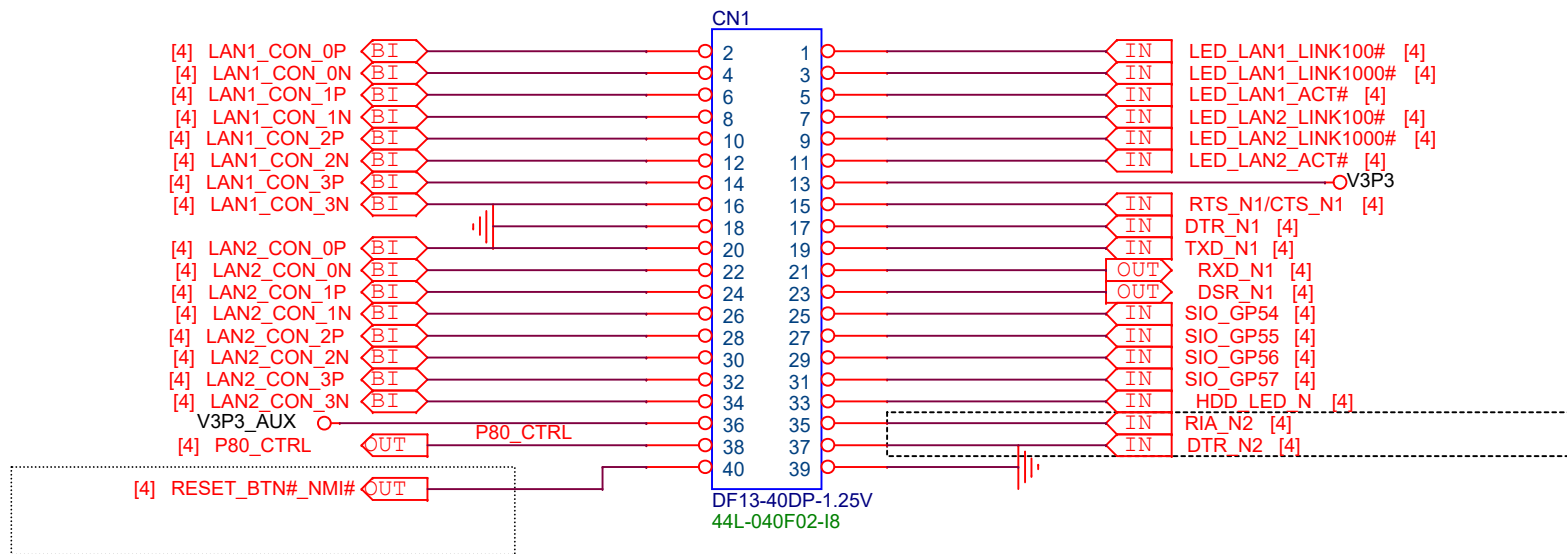
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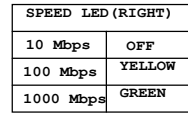
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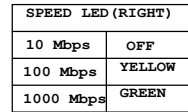


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LINK/ACTIVITY LED (LEFT)	
LINK	GREEN
ACTIVITY	BLINK



LINK/ACTIVITY LED (LEFT)	
LINK	GREEN
ACTIVITY	BLINK



TOPSEC R342	Sangfor R372	AEWIN/ R380	Leadsec/Venuc Tech
N/A	HA(GPO57)	N/A	
GPO54#	BYPASS	GPO	
GPO55	HDD	GPO	
GPO56	ALARM	HDD	
GPO57	PWR	PWR	

The schematic diagram illustrates the LED driver circuit for the DTR_N2 module. It features four parallel LED channels, each driven by a dedicated current source and controlled by a common enable signal.

- Current Sources:** Four resistors (R7, R8, R9, R10) are connected between the positive supply rails and the cathodes of the LEDs. Their values are specified as 0402-0(X), 0402-0, 0402-0(X), and 0402-0(X).
- LEDs:** The LEDs are represented by diode symbols pointing towards ground. They are labeled LED1_PIN6, LED1_PIN8, LED1_PIN10, and LED1_PIN7.
- Control Signals:** A common enable signal, HDD_LED_N [3], is connected to the IN pin of all four LEDs. This signal is also connected to SIO_GP55 [3] and SIO_GP56 [3].
- Grounding:** The negative terminals of the LEDs are connected to a common ground plane, which is also connected to SIO_GP57 [3].
- Supply Rails:** The circuit is powered by two main supply rails: DTR_N2 (top) and LED1_PIN7 (bottom).

LED

The schematic diagram illustrates the electrical connections for the LED1 module. On the left, the V3P3 power supply is connected to the LED1 module through a series of resistors (R16, R19, R21, R22, R25) and a 1% tolerance resistor. The LED1 module is a 5-pin module (LED1 x5 KTL-3A05-3Y1ER1G-A) with pins 1 through 10. Pins 1, 3, 5, 7, and 9 are connected to the V3P3 supply. Pins 2, 4, 6, 8, and 10 are connected to the SIO signals. The SIO signals are connected to the SIO_GP57 and SIO_GP54 pins of the LED1 module. The SIO signals are also connected to the SIO_GP57 and SIO_GP54 pins of the LED1 module. The SIO signals are connected to the SIO_GP57 and SIO_GP54 pins of the LED1 module. The SIO signals are connected to the SIO_GP57 and SIO_GP54 pins of the LED1 module.



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