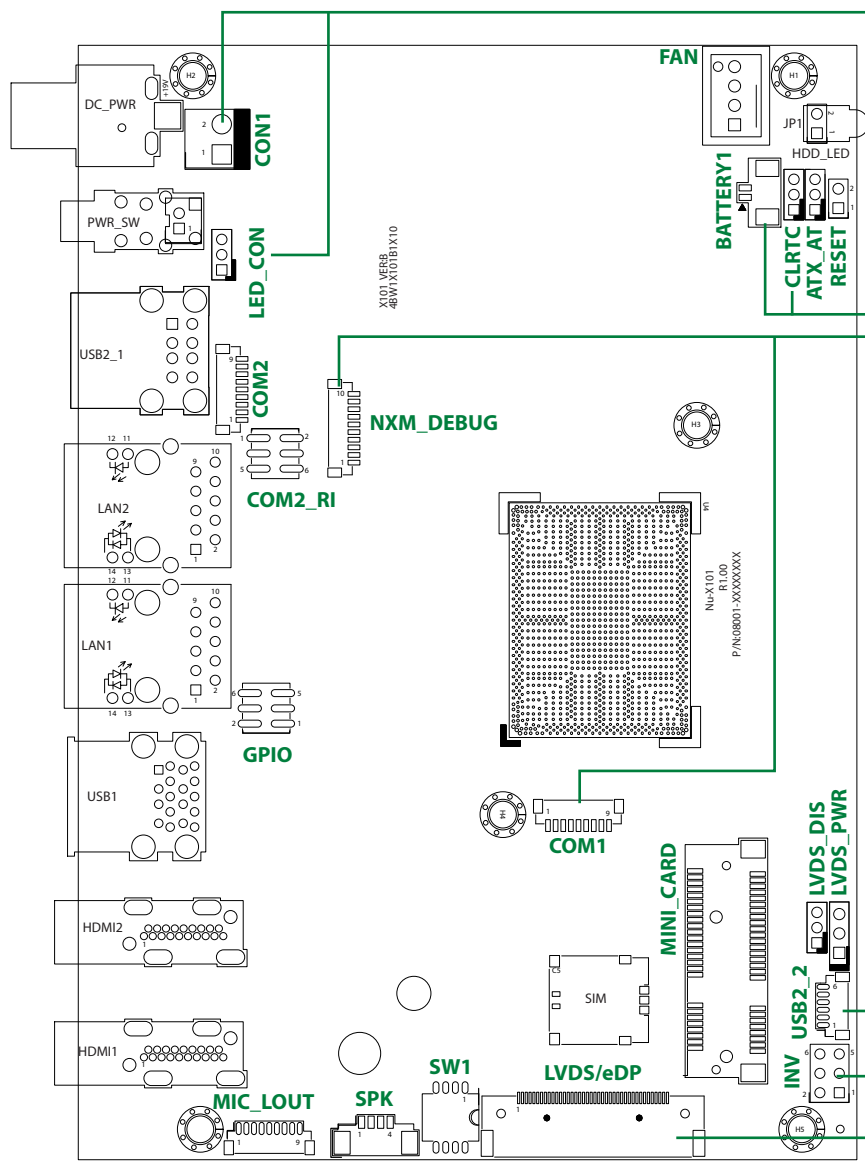


# Neu-X101 Quick Reference Guide



## CON1: DC Power Input

Pin	Function
01	GND
02	+DC_IN (+12V/+19V)

## BATTERY1: Battery Connector

Pin	Function
01	BAT
02	GND

## NXM\_DEBUG: Debug Port/LPC Bus Connector

Pin	Function
01	+3V
02	SERIRQ
03	LAD0
04	LAD1
05	LAD2
06	LAD3
07	LFRAME#
08	25MHZ
09	PLTRST#
10	GND

## USB2\_2: USB 2.0 Connector

Pin	Function	Pin	Function
01	GND	04	USB2DN4
02	USB2DN5	05	USB2DP4
03	USB2DP5	06	+5V_USB2

## LVDS: LVDS Panel Connector

Pin	Function	Pin	Function	Pin	Function	Pin	Function
01	LVDS0_D3+	11	LVDS1_D2+	21	GND	31	N/A
02	LVDS0_D3-	12	LVDS1_D2-	22	+V_PANEL (3.3V or 5V)	32	Back Light Enable
03	LVDS0_D2+	13	LVDS1_D1+	23	GND	33	Back Light Control
04	LVDS0_D2-	14	LVDS1_D1-	24	GND	34	LVDS1_CLK+
05	LVDS0_D1+	15	LVDS1_D0+	25	GND	35	LVDS1_CLK-
06	LVDS0_D1-	16	LVDS1_D0-	26	LVDS0_CLK+	36	+12V
07	LVDS0_D0+	17	GND	27	LVDS0_CLK-	37	+12V
08	LVDS0_D0-	18	+V_PANEL (3.3V or 5V)	28	GND	38	+12V
09	LVDS1_D3+	19	+V_PANEL (3.3V or 5V)	29	GND	39	+12V
10	LVDS1_D3-	20	+V_PANEL (3.3V or 5V)	30	GND	40	N/A

## LED\_CON: Power LED Connector

Pin	Function	Pin	Function
01	POWER_LED	03	GND
02	STBY_LED_8		

## CLRTC: Clear CMOS

Pin	Function
1-2*	Normal
2-3	Clear CMOS

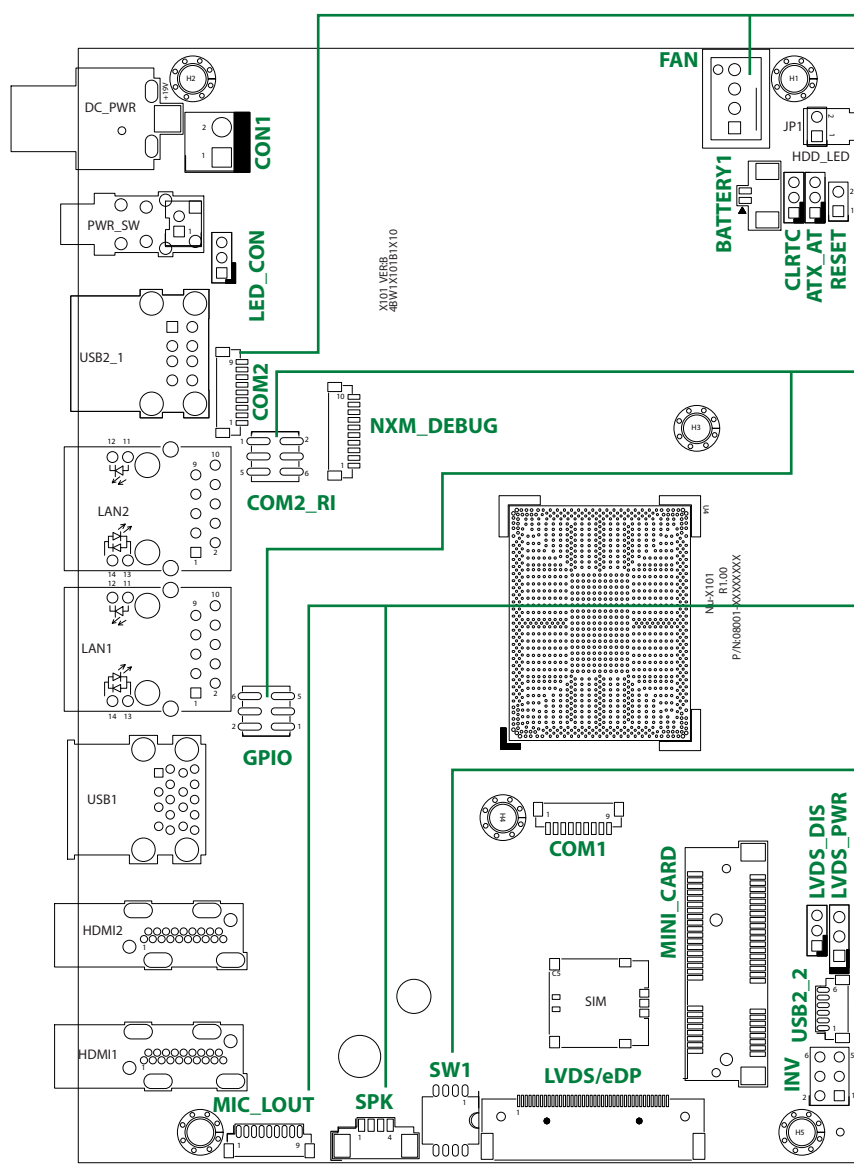
## COM1: COM Port Connector

Pin	(RS232)	(RS422)	(RS485)
01	DCD	TX-	TR-
02	RXD	TX+	TR+
03	TXD	RX+	
04	DTR	RX-	
05	GND		
06	DSR		
07	RTS		
08	CTS		
09	RI		

## INV: LVDS Invertor Connector

Pin	Function	Pin	Function
01	GND	02	GND
03	12V	04	12V
05	INV_ENABKL	06	BKLTCTRL_V

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**FAN: FAN Connector**

Pin	Function	Pin	Function
01	GND	03	FANIN
02	12V	04	FANOUT

**COM2: COM Port Connector**

Pin	Function	Pin	Function
01	DCD	06	DSR
02	RXD	07	RTS
03	TXD	08	CTS
04	DTR	09	RI
05	GND		

**COM2\_RI: Comport Ring Connector**

Pin	Function	Pin	Function
01	12V	02	RI_COMPOR
03	5V	04	RI_COMPOR
05	RI	06	RI_COMPOR

**GPIO: GPIO Connector**

Pin	Function	Pin	Function
01	GPIO_PWR	02	GPO_GND
03	GPO_OUT	04	GPI0_IN
05	GPO1_OUT	06	GPI1_IN

**MIC\_LOUT: Audio Mic Line-out Connector**

Pin	Function	Pin	Function
01	A_LOUT_R	06	A_MIC1_R
02	LINEOUT_JD	07	MIC_JD
03	NC	08	A_MIC1_L
04	A_LOUT_L	09	GND
05	GND		

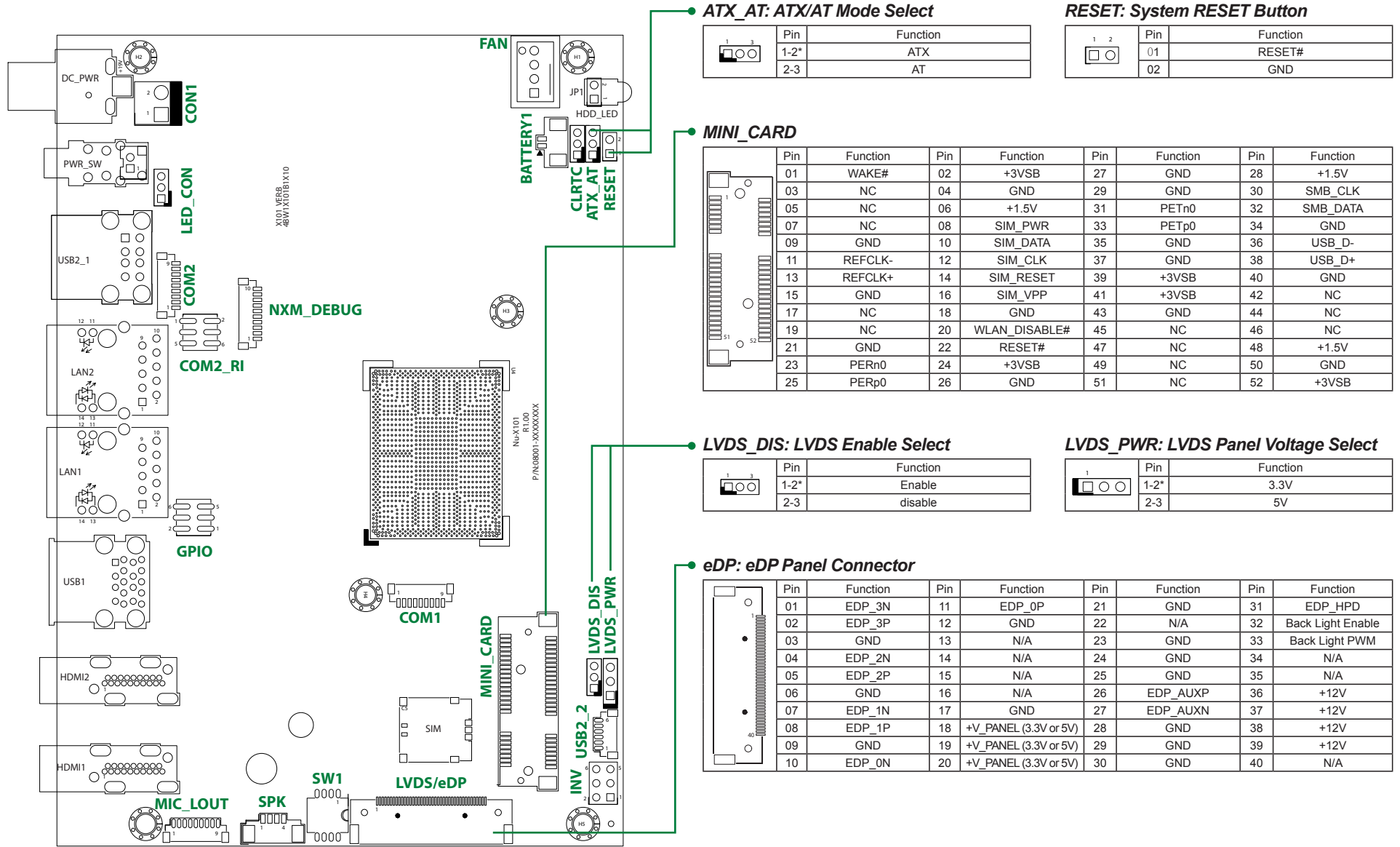
**SPK: Speaker Connector**

Pin	Function
01	LOUTP
02	LOUTN
03	ROUTP
04	ROUTN

**SW1: LVDS Resolution Select**

GPIO[3:0]	SW1[3]	SW1[2]	SW1[1]	SW1[0]	HA	VA	CD(bit)	port
0000	ON	ON	ON	ON	800	600	6	single
0001	ON	ON	ON	OFF	1024	768	6	single
0010	ON	ON	OFF	ON	1024	768	8	single
0011	ON	ON	OFF	OFF	1280	1024	6	single
0100	ON	OFF	ON	ON	1280	800	6	single
0101	ON	OFF	ON	OFF	1280	800	8	single
0110	ON	OFF	OFF	ON	1280	1024	8	dual
0111	ON	OFF	OFF	OFF	1366	768	6	single
1000	OFF	ON	ON	ON	1366	768	8	single
1001	OFF	ON	ON	OFF	1440	900	8	dual
1010	OFF	ON	OFF	ON	1400	1050	8	dual
1011	OFF	ON	OFF	OFF	1600	900	8	dual
1100	OFF	OFF	ON	ON	1680	1050	8	dual
1101	OFF	OFF	ON	OFF	1600	1200	8	dual
1110	OFF	OFF	OFF	ON	1920	1080	8	dual
1111	OFF	OFF	OFF	OFF	1920	1200	8	dual

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### ATX\_AT: ATX/AT Mode Select

Pin	Function
1-2*	ATX
2-3	AT

### RESET: System RESET Button

Pin	Function
01	RESET#
02	GND

### MINI\_CARD

Pin	Function	Pin	Function	Pin	Function	Pin	Function
01	WAKE#	02	+3VSB	27	GND	28	+1.5V
03	NC	04	GND	29	GND	30	SMB_CLK
05	NC	06	+1.5V	31	PETn0	32	SMB_DATA
07	NC	08	SIM_PWR	33	PETp0	34	GND
09	GND	10	SIM_DATA	35	GND	36	USB_D-
11	REFCLK-	12	SIM_CLK	37	GND	38	USB_D+
13	REFCLK+	14	SIM_RESET	39	+3VSB	40	GND
15	GND	16	SIM_VPP	41	+3VSB	42	NC
17	NC	18	GND	43	GND	44	NC
19	NC	20	WLAN_DISABLE#	45	NC	46	NC
21	GND	22	RESET#	47	NC	48	+1.5V
23	PERn0	24	+3VSB	49	NC	50	GND
25	PERp0	26	GND	51	NC	52	+3VSB

### LVDS\_DIS: LVDS Enable Select

Pin	Function
1-2*	Enable
2-3	disable

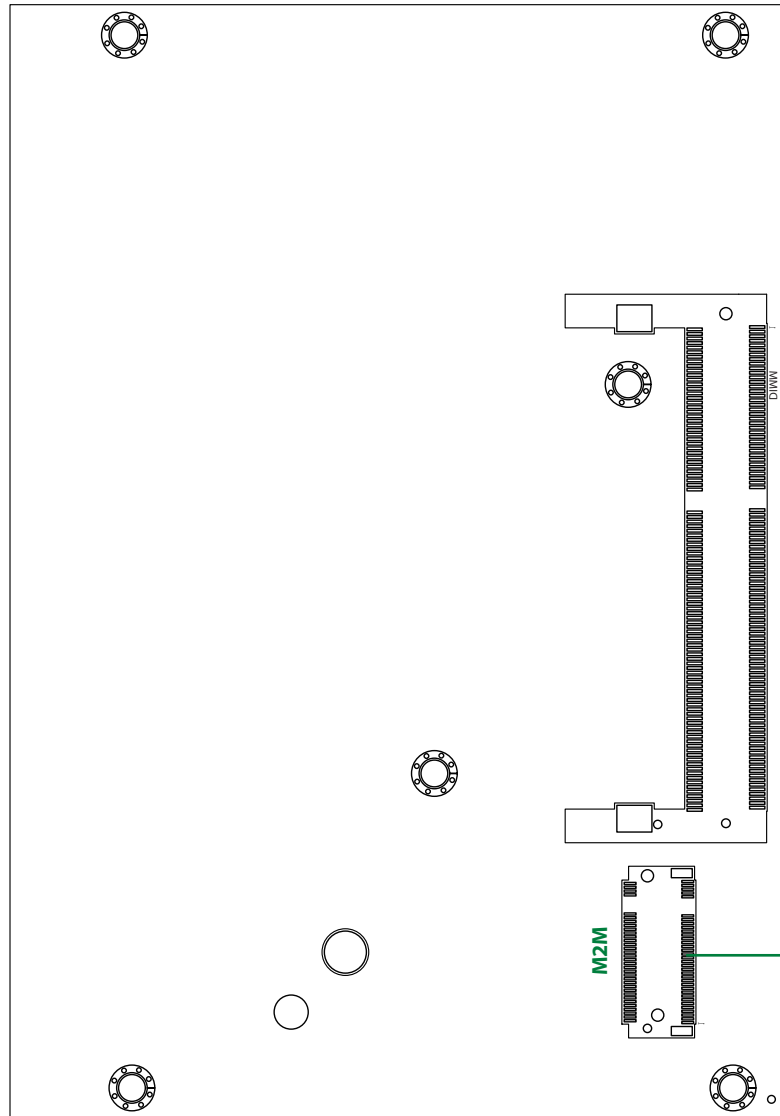
### LVDS\_PWR: LVDS Panel Voltage Select

Pin	Function
1-2*	3.3V
2-3	5V

### eDP: eDP Panel Connector

Pin	Function	Pin	Function	Pin	Function	Pin	Function
01	EDP_3N	11	EDP_0P	21	GND	31	EDP_HPDP
02	EDP_3P	12	GND	22	N/A	32	Back Light Enable
03	GND	13	N/A	23	GND	33	Back Light PWM
04	EDP_2N	14	N/A	24	GND	34	N/A
05	EDP_2P	15	N/A	25	GND	35	N/A
06	GND	16	N/A	26	EDP_AUXP	36	+12V
07	EDP_1N	17	GND	27	EDP_AUXN	37	+12V
08	EDP_1P	18	+V_PANEL (3.3V or 5V)	28	GND	38	+12V
09	GND	19	+V_PANEL (3.3V or 5V)	29	GND	39	+12V
10	EDP_0N	20	+V_PANEL (3.3V or 5V)	30	GND	40	N/A

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## M2M

Pin	Function	Pin	Function	Pin	Function	Pin	Function
01	GND	18	+3VSB	35	NC	52	NC
02	+3VSB	19	NC	36	NC	53	NC
03	GND	20	NC	37	NC	54	NC
04	+3VSB	21	GND	38	DEVSLP	55	NC
05	NC	22	NC	39	GND	56	NC
06	NC	23	NC	40	NC	57	GND
07	NC	24	NC	41	SATA_RXP	58	NC
08	NC	25	NC	42	NC	67	NC
09	GND	26	NC	43	SATA_RXN	68	NC
10	M2M_LED#	27	GND	44	NC	69	NC
11	NC	28	NC	45	GND	70	+3VSB
12	+3VSB	29	NC	46	NC	71	GND
13	NC	30	NC	47	SATA_TXN	72	+3VSB
14	+3VSB	31	NC	48	NC	73	GND
15	GND	32	NC	49	SATA_TXP	74	+3VSB
16	+3VSB	33	GND	50	RESET#	75	GND
17	NC	34	NC	51	GND		

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□=Pin1 [ \* ]=Default setting

