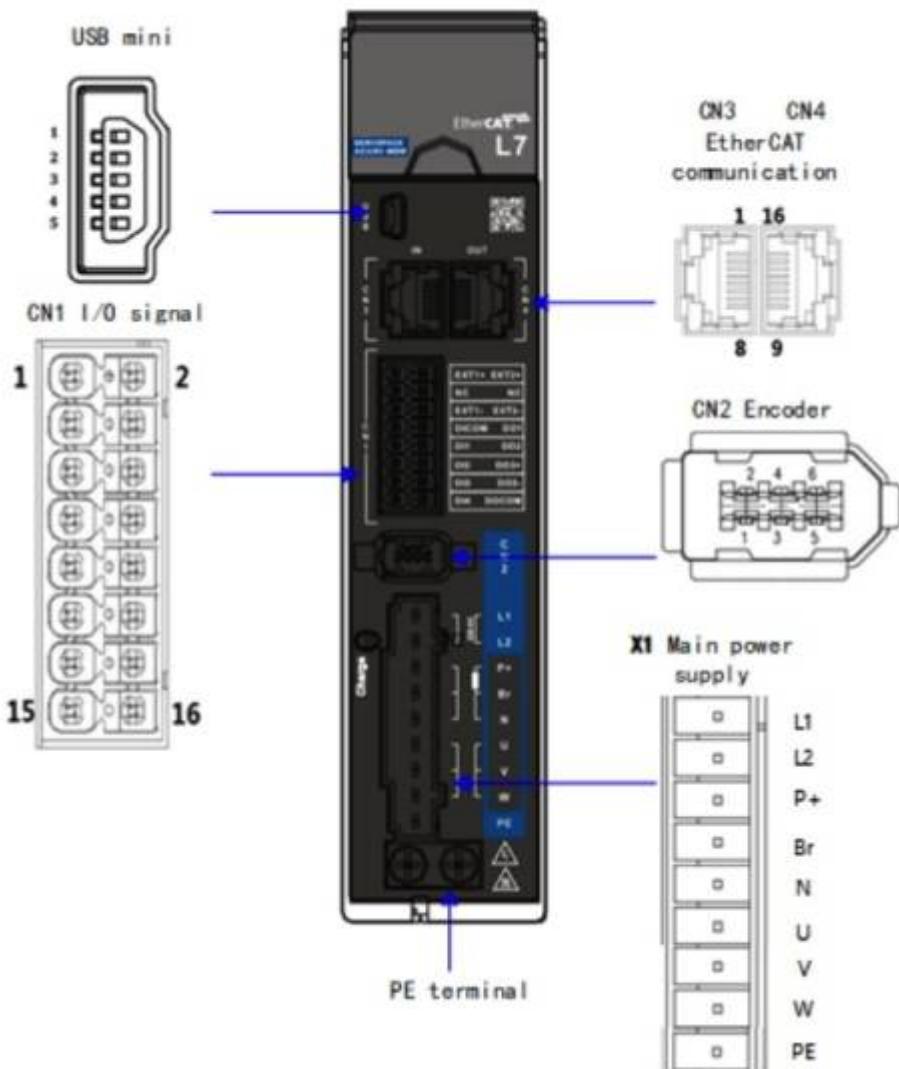


# Power Port Pinouts

## Overview



Port	Function
CN1	I/O Signal Port
CN2	Encoder Port
USB	USB Mini port
CN3	EtherCAT In Communication port
CN4	EtherCAT Out Communication port
CN6	STO Safe Torque Off port
X1	Main Power Supply

## X1 Port main power supply (230 VAC models)

Pin	Functions	Remarks
L1 L2	Single phase 220 VAC	<p>1) Optional isolation transformer  2) Do not connect to 380 VAC directly to prevent damage to drive  3) In case of serious interference, it is recommended to connect a line filter to main power supply;</p> <p>It is recommended to install a fuseless circuit breaker to cut off power supply in time when the driver fails.</p>
P+	1) Internal DC bus positive terminal 2) External regenerative resistor P terminal	Please refer to Regenerative resistor selection and connections
Br	External regenerative resistor terminal	Please refer to Regenerative resistor selection and connections
N		Please do not connect
U	Motor U phase terminal	Please ensure proper wire connection on motor.
V	Motor V phase terminal	Please ensure proper wire connection on motor.
W	Motor W phase terminal	Please ensure proper wire connection on motor.
PE	Motor protective Earth	Please ground PE of driver and motor together

## X1 Port main power supply (380 VAC models)

Pin	Functions	Remarks
L1C L2C	Control circuit: Single phase 380VAC	<p>1) Optional isolation transformer  2) In case of serious interference, it is recommended to connect a line filter to main power supply;</p> <p>It is recommended to install a fuseless circuit breaker to cut off power supply in time when the driver fails.</p>
R S T	Main Power Supply: Three phase 380VAC +10%/-15% 50/60Hz	<p>1) Optional isolation transformer  2) In case of serious interference, it is recommended to connect a line filter to main power supply;</p> <p>It is recommended to install a fuseless circuit breaker to cut off power supply in time when the driver fails</p>
P+	3) Internal DC bus positive terminal 4) External regenerative resistor P terminal	If an external regenerative resistor is required, please disconnect B1 and B2. Connect the external regenerative resistor to terminal P+ and B2.
B1/B2	External regenerative resistor terminal	If an external regenerative resistor is required, please disconnect B1 and B2. Connect the external regenerative resistor to terminal P+ and B2.
N N1 N2	Internal DC bus negative terminal	Please do not connect

V	Motor V phase terminal	Please ensure proper wire connection on motor.
W	Motor W phase terminal	Please ensure proper wire connection on motor.
PE	Motor protective Earth	Please ground PE of driver and motor together

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