

## Pinout Information

The frequently used port and connector pinouts are described in the following sections.

**Table 1: Pinout Abbreviations**

ABBREVIATION	DESCRIPTION
BI	Bi-directional
DC	Direct Current (power)
GND	Ground
NC	Not Connected
RX	Receive
TX	Transmit

## Console Port Pinout

The RJ45 Console (CONSOLE) port pins are described in the following table.

**Table 2: RJ45 Console**

PIN	SIGNAL
1	
2	
3	TX
4	GND
5	GND
6	RX
7	
8	

## Fast Ethernet (no PoE+) 10/100 Pinout

The standard RJ45 FE port pins are described in the following table.

**Table 3: RJ45 FE with No PoE+ Pinout**

PIN	SIGNAL
1	RX+
2	RX-
3	TX+
4	
5	
6	TX-
7	
8	

## Fast Ethernet (with PoE+) 10/100 Pinout

The standard RJ45 FE port pins with PoE+ are described in the following table.

**Table 4: RJ45 FE with PoE+ Pinout**

PIN	SIGNAL	PoE+
1	RX+	
2	RX-	
3	TX+	
4		DC+
5		DC+
6	TX-	
7		DC-
8		DC-

## Gigabit Ethernet (no PoE+) 10/100/1000 Pinout

The standard RJ45 GE port pins without PoE+ are described in the following table.

**Table 5: RJ45 GE Pinout**

PIN	SIGNAL	Description	Pairing
1	TX+ _D1	Transmit Data+	1
2	TX- _D1	Transmit Data-	1
3	RX+	Receive Data+	2
4	BI+_D3	Bi-directional+	3
5	BI-_D3	Bi-directional-	3
6	RX-	Receive Data-	2
7	BI+_D4	Bi-directional+	4
8	BI-_D4	Bi-directional-	4

## Two-Pin Power Connector Pinout

The two-pin connector pinout is described in the following table. These are commonly used on the M3-SE products.

**Table 6: Two-Pin LEMO Connector Pinout**

PIN	SIGNAL
1	GND
2	DC+

## E&M Pinout

The E&M pinout used on the M3-SE-LMR module is represented in the following table.

**Table 7: E&M RJ45 Connector Pinout**

PIN	SIGNAL
1	MREF
2	M
3	RXA
4	TXA
5	TXB
6	RXB, GND
7	E
8	EREF, GND

## FXS Pinout

The FXS RJ11 connector pinout used on a M3-SE-VOICE module is described in the following table.

**Table 8: FXS RJ11 Connector Pinout**

PIN	SIGNAL
1	
2	
3	Ring
4	Tip
5	
6	