

Advanced Modular Manikin Connector Electrical Pinout

Connector Pin	Function	RJ-45 Ethernet Pin
1	+50V	
2	+50V	
3	+50V	
4	N/C	
5	GND	
6	GND	
7	GND	
8	BI_DA+	1
9	BI_DB+	3
10	BI_DC+	4
11	BI_DD+	7

Connector Pin	Function	RJ-45 Ethernet Pin
12	+50V	
13	+50V	
14	+50V	
15	N/C	
16	GND	
17	GND	
18	GND	
19	BI_DA-	2
20	BI_DB-	6
21	BI_DC-	5
22	BI_DD-	8

Mates
Pin 1 mates with 12
Pin 2 mates with 13
Pin 3 mates with 14
Pin 4 mates with 15
Pin 5 mates with 16
Pin 6 mates with 17
Pin 7 mates with 18
Pin 8 mates with 19
Pin 9 mates with 20
Pin 10 mates with 21
Pin 11 mates with 22

Note

This electrical connector is designed to be fully non-gendered. The polarity of ethernet twisted pairs can be reversed during normal operation; the ethernet controller compensates for this.

Entropic Engineering

