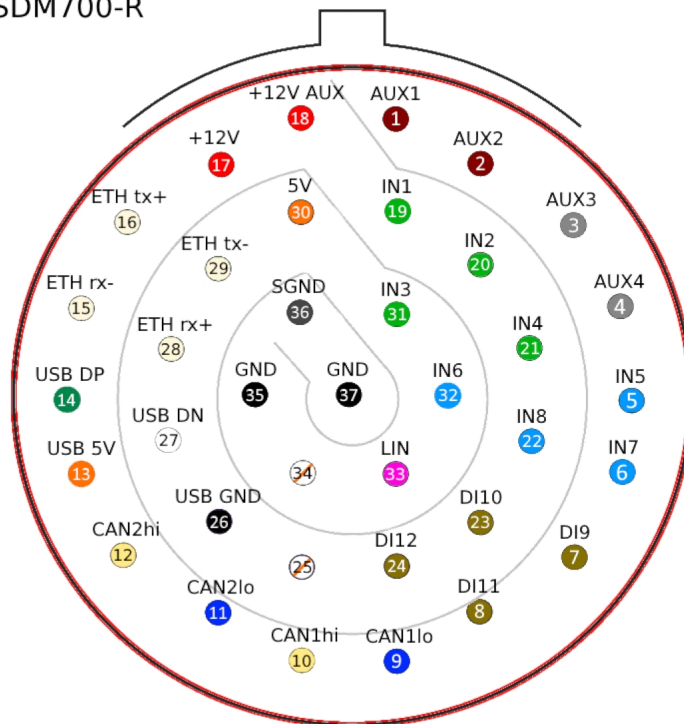


NO	LABEL	Description	Notes
1	AUX1 HS	Auxiliary output – High Side 2.5A max	ON/OFF or PWM.Sources current from pin 18
2	AUX2 HS	Auxiliary output – High Side 2.5A max	ON/OFF or PWM.Sources current from pin 18
3	AUX4 LS	Auxiliary output – Low Side 0.5A max	ON/OFF or PWM.Sinks current to GND
4	AUX3 LS	Auxiliary output – Low Side 0.5A max	ON/OFF or PWM.Sinks current to GND
5	AN5 / DI5 / FR5	Analog/Digital/Frequency input, 0-16V	selectable pull down 330Ohm
6	AN7 / DI7 / FR7	Analog/Digital/Frequency input, 0-16V	selectable pull down 330Ohm
7	DI9	Digital input for buttons / switches	fixed 47K pull up to 5V
8	DI11	Digital input for buttons / switches	fixed 47K pull up to 5V
9	CAN1 LO	250kbit – 1.333Mbit CAN2.0, up to 5Mbit CAN FD	selectable 120R termination
10	CAN1 HI		
11	CAN2 LO / RS232 TX	250kbit – 1.333Mbit CAN2.0, up to 5Mbit CAN FD	selectable 120R termination
12	CAN2 HI / RS232 RX		
13	USB 5V	USB 5V output, protected, max 250mA	supplies power to USB flash drives in logging mode
14	USB DATA P	USB Data Positive signal	
15	ETH RX -	PC Ethernet communications signal	
16	ETH TX +	PC Ethernet communications signal	
17	+12V	Power supply for the device. 10-24V. Max 0.8A	Connect to a switched +12V power source
18	+12V AUX	Power supply for AUX1 and AUX2. 10-24V. Max 5A.	Connect to a switched +12V power source
19	AN1 / DI1 / FR1	Analog/Digital/Frequency input, 0-5V	selectable pull up 3.3KOhm
20	AN2 / DI2 / FR2	Analog/Digital/Frequency input, 0-5V	selectable pull up 3.3KOhm
21	AN4 / DI4 / FR4	Analog/Digital/Frequency input, 0-5V	selectable pull up 3.3KOhm
22	AN8 / DI8 / FR8	Analog/Digital/Frequency input, 0-16V	selectable pull down 330Ohm
23	DI10	Digital input for buttons / switches	fixed 47K pull up to 5V
24	DI12	Digital input for buttons / switches	fixed 47K pull up to 5V
25	NC	DO NOT CONNECT – FUTURE USE	
26	USB GND	USB Ground	
27	USB DATA N	USB Data Negative signal	
28	ETH RX +	PC Ethernet communications signal	
29	ETH TX -	PC Ethernet communications signal	
30	5V	Regulated 5V sensor supply output. Max 200mA	Current and thermal limit
31	AN3 / DI3 / FR3	Analog/Digital/Frequency input, 0-5V	selectable pull up 3.3KOhm
32	AN6 / DI6 / FR6	Analog/Digital/Frequency input, 0-16V	selectable pull down 330Ohm
33	LIN / RECOVERY	LIN bus Master / Recovery	Device boots in recovery mode when pin connected to ground
34	NC	DO NOT CONNECT – FUTURE USE	
35	GND	Ground supply for the device	Connect both GND pins to the chassis ground
36	SGND	Ground supply output for sensors	Do NOT connect to chassis ground
37	GND	Ground supply for the device	Connect both GND pins to the chassis ground

SDM700-R



view looking into the device connector from the wire side

