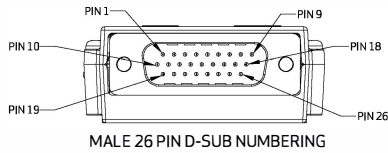


# ACCESSORIES

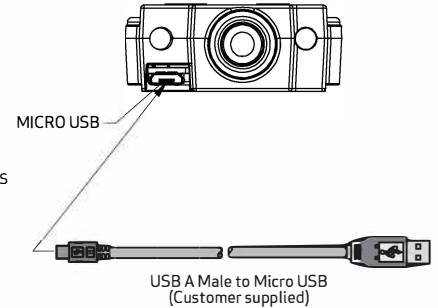
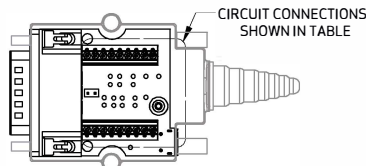
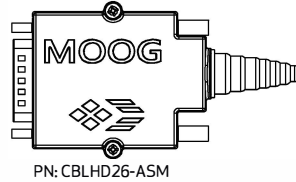
## I/O ADAPTER

### HD26 Cable Connector (PN: CBLHD26-ASM)

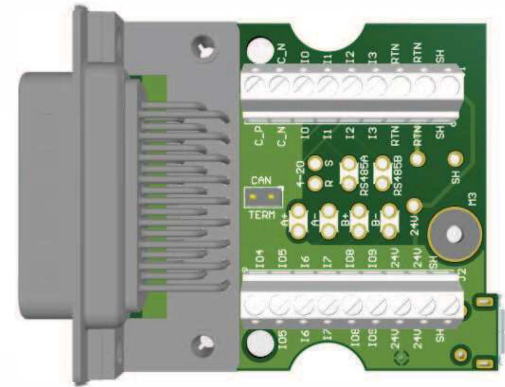
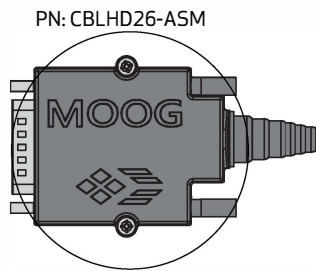
Part CBLHD26-ASM is available so that users can construct their own interface cable for the Class 6 D-style SmartMotor. The connector (with customer-supplied cable) attaches to the HD26 D-sub connector on the motor. The figure and table show the PCB connection points for the customer-supplied cable. A Micro USB port provides a convenient access point for programming from SMI.



Part Number	Length
CBLHD26-ASM	Connector w/ PCB



Connector Pinouts			
Pin	Description	PCB	AWG
1	IN0 GP, also Analog Input	I0	26
2	IN1 GP, also Analog Input	I1	26
3	IN2 Positive Limit or GP	I2	26
4	IN3 Negative Limit or GP	I3	26
5	IN/OUT4 GP or Ext. Enc. Index Capture	IO4	26
6	IN/OUT5 GP or Int. Enc. Index Capture	IO5	26
7	IN6 GP, G Command or Homing Input	I6	26
8	IN7 Drive Enable Input (Dedicated)	I7	26
9	IN/OUT8 GP or Brake Line Output	IO8	26
10	IN/OUT9 GP or Not Fault Output	IO9	26
11	+24 VDC Control Power	24 V	18
12	Control Power Return (Ground, Common)	RTN	18
13	Encoder A+ Input	A+	26
14	Encoder A- Input	A-	26
15	Encoder B+ Input	B+	26
16	Encoder B- Input	B-	26
17	CAN High (also on 7W2)	C_P	18
18	CAN Low (also on 7W2)	C_N	18
19	RS-485 B (COM CH 1)	RS485B	26
20	RS-485 A (COM CH 1)	RS485A	26
21	-	-	-
22	-	-	-
23	USB +5 V Bus	-	-
24	USB D +	-	-
25	USB D -	-	-
26	Ground, Common	-	-
-	Ground, Common	RTN	-
-	Shield	SH	-
-	Jumper - CAN 120 Ohm Term ON if Start/End CAN Node	CAN TERM	-



NOTES: Screw connections are provided for most commonly used signals.

Recommended wire gauge sizes for all screw terminal connections:

- 18 gauge for Control power (+24 V and RTN)
- 18 gauge twisted pair shielded for CAN High and CAN Low (CAN-P and CAN-N)
- 26 gauge for any I/O, not to exceed 200 mA for any single channel output

Recommended wire gauge sizes for solder pad connections:

- 26 gauge twisted pair shielded for RS-485 (RS-485A and RS-485B)
- 26 gauge twisted pair shielded for each A and B encoder input (A+ / A-, B+ / B-)

While it is expected that users will develop their own interface cables based on application needs, Moog can supply cable wire at specified lengths. Please contact the factory for more information.

Extra power connection points are provided for +24 V and RTN through screw terminals and solder pads; these are for use with local sensors and travel limits.

Shield drain wire connections should be terminated only on one end of any shielded cable used.

The shield connection to this board terminates to the HD26 connector shell only. When plugged into the motor, the connector shell will connect to the motor chassis only; it is not (and should never be) connected to either the drive or control power return lines.

A USB connection is only allowed through the included Micro USB port; there is no other external access on this adapter. The USB port is used to program from SMI; it is not recommended for running the motor.