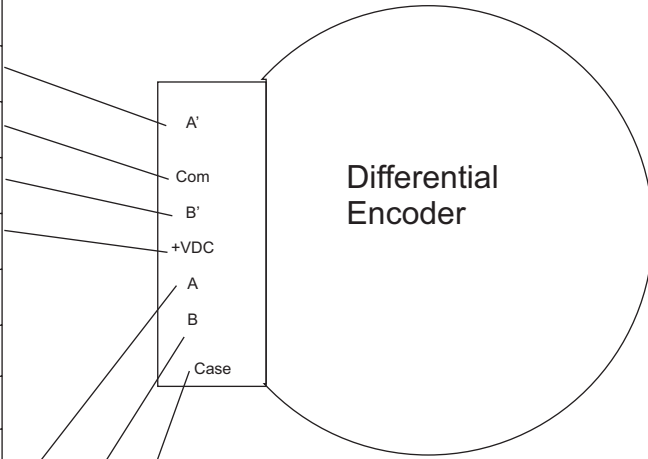


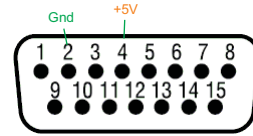
# VRO Readout Connections

## Encoder Cable

Pin	Signal
1	A+
2	Gnd
3	B+
4	+5V
5	+5 @ 5 ma
6	
7	
8	
9	A-
10	
11	B-
12	
13	+5 @ 5 ma
14	
15	Gnd
Shell	Shield



Encoder Connector  
(Encoder/cable end shown)

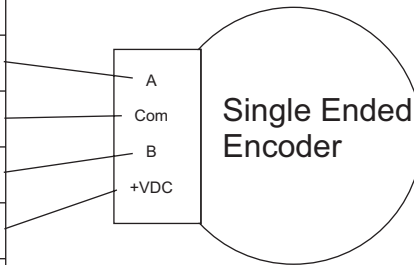


15 Dsub Male

Pin	AMO	ELGO	EPC
1	green	violet	yellow
2	blue	white	black
3	brown	yellow	green
4	red	brown	white
9	yellow	green	brown
11	white	orange	red

**NOTE:** To Invert direction on Differential Encoders swap A and A' or B and B' connections

Pin	Signal
1	A+
2	Gnd
3	B+
4	+5V
5	+5 @ 5 ma
6	
7	
8	
9	A-
10	
11	B-
12	
13	+5 @ 5 ma
14	
15	Gnd



**NOTE:** To Invert direction on Single Ended encoders swap A and B connections