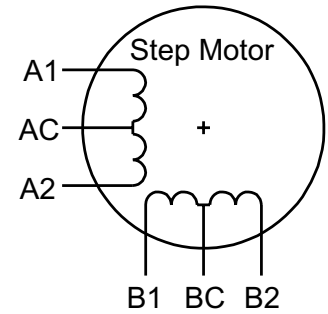


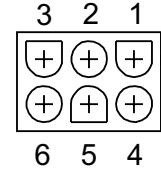
# Motor Wiring (for Velmex installed step motors)

Pin	Motor	Cable (6 wire)	Cable (4 wire)	Slo-Syn	Vexta	Pacific Scientific*
1	BC	W	-	W	W	W/Y & W/R
2	B2	Gn	Gn	Gn	Bu	R
3	AC	Bk	-	Bk	Y	W/Bk & W/O
4	A2	Or	Bk	W/R	Bk	O
5	A1	R	R	R	Gn	Bk
6	B1	Bu	W	W/Gn	R	Y

\* 8 lead motor with wires combined at AC and BC for 6 lead configuration



Connector on Motor



Amp 1-480705-0  
(mates with: 1-480704-0)

## Unipolar Full Step

Step	A1	A2	B1	B2	BC & AC
1	Gnd	N/C	Gnd	N/C	+V
2	N/C	Gnd	Gnd	N/C	
3	N/C	Gnd	N/C	Gnd	
4	Gnd	N/C	N/C	Gnd	
1	Gnd	N/C	Gnd	N/C	

CCW (-)  
↓

↑  
CW (+)

Gnd = Ground level  
N/C = No Connection  
+V = Motor label voltage or, current limited over-drive voltage

## Bipolar Full Step

Step	A1	A2	B1	B2
1	+	-	-	+
2	-	+	-	+
3	-	+	+	-
4	+	-	+	-
1	+	-	-	+

CCW (-)  
↓

↑  
CW (+)

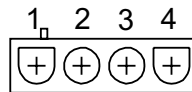
+ = Positive current flow  
- = Negative current flow

# Limit Switch Wiring

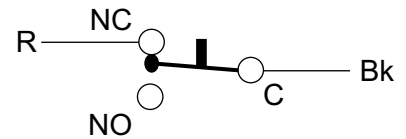
	Pin	Switch	Cable
Inner Switch (Motor End)*	1	C	W
	2	NC	R
Outer Switch (End Plate)	3	NC	Gn
	4	C	Bk

\* Negative direction on Velmex Controllers (carriage moves toward motor end)

Connector on Switch Harness



Amp 1-480703-0 (mates with: 1-480702-0)



Switches are wired on the normally closed (NC) terminals. To rewire to normally open (NO), remove switch cover by unscrewing the two small screws on the switch housing, and resolder to the NO terminal.