



TABLE 1: A2SD16 CONNECTOR

PIN #	DESCRIPTION	COMMENTS
1	PHB	QUADRATURE PHASE B TTL OUTPUT
2	VCC	12 – 15 VDC
3	PHA	QUADRATURE PHASE A TTL OUTPUT
4	RESET	NO CONNECTION
5	SCLK	SPI SERIAL CLOCK (SPI MODEL ONLY)
6	GND	GROUND
7	IN+	NON-INVERTED SIGNAL INPUT, GND TO 5 VDC
8	GND	GROUND
9	IN-	INVERTED SIGNAL INPUT, GND TO 5 VDC
10	VP	SENSOR POWER, VCC

The A2SD16 Converter connector housing is designed to interface through two Molex connectors. The first connector provides an interface to pins 1 through 6. The signals associated with these pins are normally routed to a host computer or motion controller. This six-pin Molex connector is part number 22-56-6067 and uses pins part number 16-02-1125. The second connector interfaces to the last four pins number 7 through 10. These circuits are normally routed to the analog sensor. This four-pin Molex connector is part number 22-55-2042 and again uses pins part number 16-02-1125.

NOTE: All odd number pins are on the upper most row as viewed from the above picture starting with pin one on the left. All even number pins are of course on the lower row starting with pin two directly below pin one on the left.