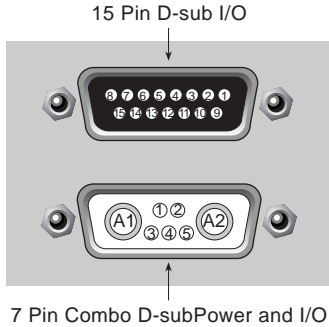


## Double D-sub Connectors

More robust construction, provides better resistance to harsh environments, and at no additional cost. Recommended for new designs.  
**Standard for SmartMotors™ 23 and 34 Series.**



### 7 Pin Combo D-Sub Power and I/O:

- A1 +20V to +48V DC
- A2 Power Ground
- 1 Sync or I/O G
- 2 +5V Out
- 3 RS-232 Transmit
- 4 RS-232 Receive
- 5 RS-232 Ground

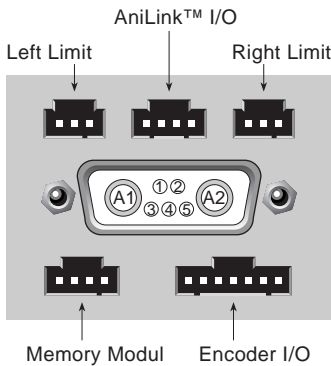
### 15 Pin D-Sub I/O:

- 1 I/O A
- 2 I/O B
- 3 I/O C
- 4 I/O D
- 5 I/O E
- 6 I/O F
- 7 I/O G
- 8 Encoder A Out
- 9 Encoder B Out
- 10 SM RS-232 Transmit
- 11 SM RS-232 Receive
- 12 +5V Out
- 13 Ground
- 14 Power Ground
- 15 Power

## Molex® Connectors

Individual Access for OEM users

**Standard connectors for SmartMotors™ 17.** Optional for SmartMotors™ 23 and 34 Series



### Encoder I/O:

- 1 Step/Ext Encoder A/Port A
- 2 Direction/Ext Encoder B/Port B
- 3 Encoder A Out
- 4 Encoder B Out
- 5 Encoder Index Out
- 6 +5VDC Out
- 7 Ground Ref.

### AniLink™ I/O:

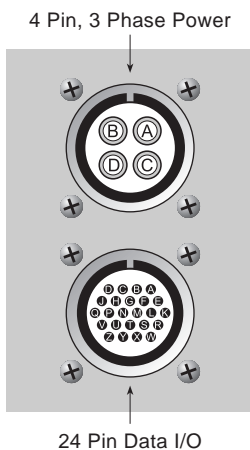
- 1 +5VDC Out
- 2 Ground Ref.
- 3 AniLink Data/RS-485A/Port E
- 4 AniLink Clock/RS-485B/Port F

### Left/Right Limit I/O:

- 1 +5VDC Out
- 2 Ground Ref.
- 3 Port C(right limit) or D(left limit)

## Military Style Connectors

**Standard for SmartMotors™ 42 and 56 Series**



### 4 Pin, 3 Phase Power

- A - Phase A
- B - Phase B
- C - Phase C
- D - Chassia

### 24 Pin Data I/O

- A RS-232 Ground
- B RS-485 Ground
- C Ground
- D Ground
- E RS-232 Transmit
- F RS-232 Receive
- G RS-485 A
- H RS-485 B
- J +5V Out, Fused
- K Encoder A Out
- L Encoder B Out
- M Encoder I Out
- N Ext Encoder A/Step/User I/O A
- P Ext Encoder B/Direction/User I/O B
- Q Reserved
- R User I/O G
- S Left Limit/User I/O D
- T Right Limit/User I/O C
- U AniLink™ Data/User I/O E
- V AniLink™ Clock/User I/O F
- W Reserved
- X Reserved
- Y Reserved
- Z Reserved