

| Placement | Connector Type | Purpose | Pinout |
|-----------|----------------|---|---|
| 1 | | Power Connection (Power enters in from battery tube) *Thruster power connected through capacitor *Electronic power raw from batteries | 1-Thruster Power Ground 2-Thruster Power +30 VDC 3-Electronic Power Ground 4-Electronic Power +30 VDC 7-No use |
| 2 | | Thruster 1 | 1-Thruster Power Ground 2-Thruster Power +30 VDC 3-Instrument Thruster Ground 4-Instrument Power +12 VDC 5-Analog Control Signal +5 VDC 6-Analog Speed Output (not in use) 7-No use |
| 3 | | Thruster 2 | 1-Thruster Power Ground 2-Thruster Power +30 VDC 3-Instrument Thruster Ground 4-Instrument Power +12 VDC 5-Analog Control Signal +5 VDC 6-Analog Speed Output (not in use) 7-No use |
| 4 | | Thruster 3 | 1-Thruster Power Ground 2-Thruster Power +30 VDC 3-Instrument Thruster Ground 4-Instrument Power +12 VDC 5-Analog Control Signal +5 VDC 6-Analog Speed Output (not in use) 7-No use |
| 5 | | Thruster 4 (center) | 1-Thruster Power Ground 2-Thruster Power +30 VDC 3-Instrument Thruster Ground 4-Instrument Power +12 VDC 5-Analog Control Signal +5 VDC 6-Analog Speed Output (not in use) 7-No use |
| 6 | | Camera Connection | 1-DC/DC Ground 2-DC/DC +5 VDC 3-Camera 1 +Data 4-Camera 1 -Data/Clock 5-Camera 2 +Data 6-Camear 2 -Data/Clock 7-No Use |
| | | Reed Switch (Thruster ON/OFF) | Pin 1 and 2 connected to imbedded reed switch with 9Vbat/relay |
| | | RDI DVL Workhorse Monitor 1200 | 1-RS/232 IN RS422 OUT A 2-RS/232 OUT RS433 OUT B 3-RS/422 IN A 4 RS/422 IN B (ADD CORRECT PINOUT HERE) |
| | | Tritech PA500 Altimeter | 1-RS/232 TX 2-RS/232 RX 3-DC/DC +24 VDC 4-DC/DC Ground 5-Analog O/P (unused) 6-Chassis Ground (unused) |
| | | Droppers (pin 1,2) and Pressure Sensor (pin 3,4,5,6) | 1-Thruster Power Ground 2-Thruster Power +30V 3-Dropper Power Ground 4-Dropper Power +12V 5-Dropper Control Signal |

Table 1 – Electronics End Cap Pin Configuration