



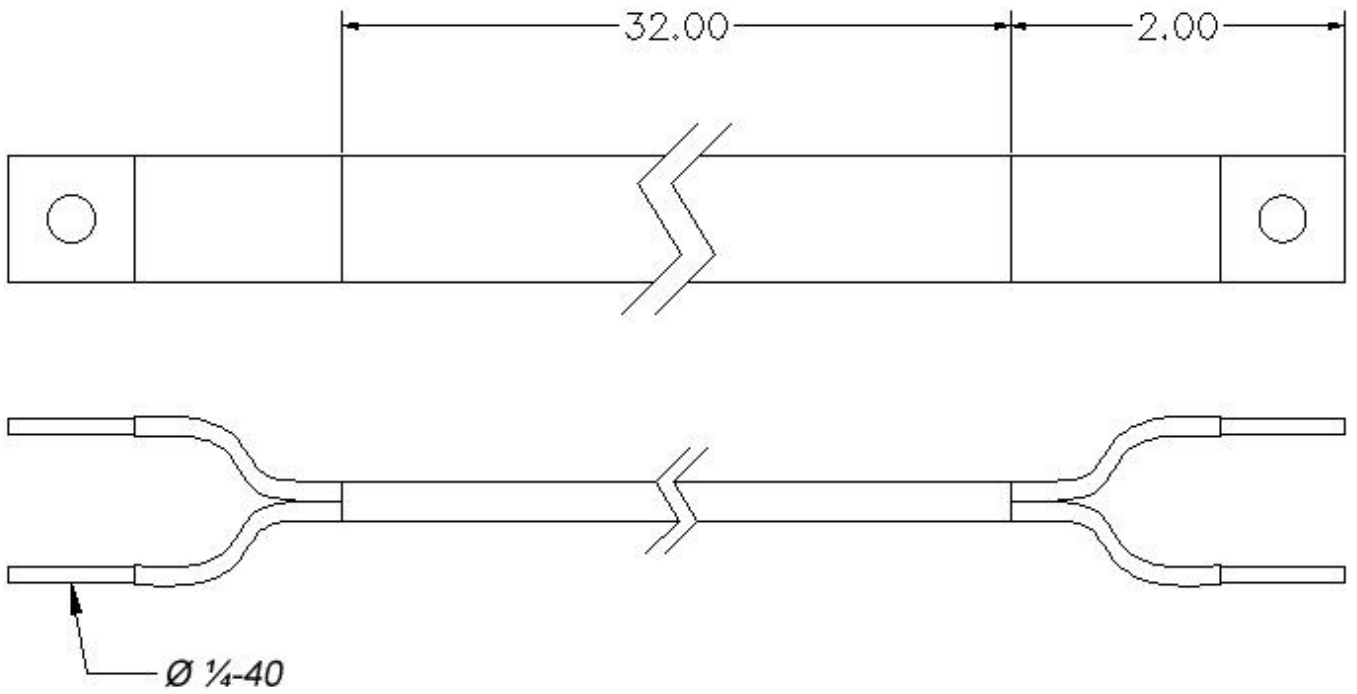
ANALOG MODULES, INC.

Specialists in Analog and Laser Electronics

MODEL 7701B INTERFACE DESCRIPTION

| PIN | SIGNAL NAME | DESCRIPTION |
|-----|---------------------|--|
| 1 | ENABLE IN HIGH | Input, + 24 V @ 10 mA to enable control pulses to the output. Optically isolated. |
| 14 | ACTIVATE CROWBAR | Input, +5 to +15 VDC activates the crowbar, 2 k Ω load impedance. |
| 2 | GROUND | |
| 15 | NOT CONNECTED | |
| 3 | CURRENT MONITOR OUT | Output, 0 to 10 V yields 0 to max output current @10 mA typical. |
| 16 | CROWBAR OUT | Output, latched signal indicates crowbar tripped, active high, 15 V, output impedance 1 k Ω . |
| 4 | GROUND | |
| 17 | NOT CONNECTED | |
| 5 | PULSE IN HIGH | Input, +5 V @ 10 mA. Optically isolated with an internal 300 Ω resistor. |
| 18 | NOT CONNECTED | |
| 6 | GROUND | |
| 19 | MODE IN LOW | Input, +24 V @ 7.2 mA. Optically isolated signal with an internal 32 k Ω pull low for CW mode. |
| 7 | CURRENT CONTROL IN | Input, 0 to 10 VDC yields 0 to max output current (50 k Ω impedance) |
| 20 | DIFF. VOLTAGE OUT | Output, Impedance isolated pulsed signal, 0 to 10 V yields 0 to 20 V across the driver. |
| 8 | GROUND | |
| 21 | NOT CONNECTED | |
| 9 | PULSE IN LOW | Input, +5 V @ 10 mA. Optically isolated signal, active low, signal pulse width determines output pulse width. |
| 22 | NO LOAD SIGNAL | Output, 100 Ω output impedance. Pull low when no load condition is detected. 15 V indicates normal operation. |
| 10 | GROUND | |
| 23 | NOT CONNECTED | |
| 11 | NOT CONNECTED | |
| 24 | GROUND | |
| 12 | VOLTAGE MONITOR OUT | Output, Impedance isolated pulsed signal, 0 to 10 VDC yields 0 to 300 V across the load. |
| 25 | NOT CONNECTED | |
| 13 | NOT CONNECTED | |

Low Inductance Output Cable



Dimensions are in inches.