



<p>Tolerances Except as Noted .x = +/- .05 .xx = +/- .01 .xxx = +/- .005 Dimensions in inches</p>	Revisions				<u>Impellimax</u>	
	A	ECO 2164	5/8/01	PC	OUTLINE	
					Not to scale	Sheet 1 of 2
<p>Information herein is believed accurate. Suitability not guaranteed.</p>					Drawn By: PC	Date: 5/7/01
					DRF: 569	Approved: PC
						Drawing # 9728-50

PIN	CONNECTION	PIN	CONNECTION
1	+15 V	22	NC
2	Input True	21	Output A
3	Input Complement	20	NC
4	NC	19	NC
5	NC	18	NC
6	Ground	17	NC
7	Ground	16	NC
8	Ground	15	NC
9	Status	14	NC
10	NC	13	Output B
11	-40 to -60V (-48V nom)	12	NC

Notes:

- Inputs are complementary and are nominally in the range of 0.4 to 5V. Input impedance to ground from either input is 1K minimum over the common-mode range of -10V to +10V. Line-to-line impedance is greater than 2K, such that an external common-mode resistor is required for balanced line termination. Threshold hysteresis is .1V minimum, and differential sensitivity is 400 mV maximum. Input will withstand a maximum input voltage of +/- 15V line to ground or line to line. Relative to Input True, Output A is inverting, and Output B is noninverting.
- Switching speed is 1 Usec max into Sage load diodes. Outputs are spiked.
- Positive output currents are +70 mA nominal into +.87V loads. Negative outputs are capable of sinking 10 mA (with external current limiting).
- Unit is reverse bias protected and contains internal .01uF bypass capacitors on both power supplies.
- The Status output reports the operational status of the driver. It is a bilevel discrete signal with the following characteristics:
 Fault Status : Open Circuit > 75 Kohms
 Fault Conditions : If positive current is less than 30% of nominal currents for A and B
 If negative voltage is less negative than -30V, or not present.
 Fault Blanking : Fault Status reporting shall be blanked by 2 microseconds nominal delay following switching.
- Total supply current is 95 mA max at +15V and 8 mA at -48V.

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