

APPLIED CONCEPTS INC.

397 Route 281 - P.O. BOX 453
Tully, New York 13159-0453
Phone: (315) 696-6676 Fax: (315) 696-9923
www.acipower.com

CCFL INVERTER

(For Dual Tube Applications)

The ACN-05-1109 is designed to power 2 CCFL's at a nominal current level of 7mA/tube from a +5V source.

All outputs are open and short circuit protected.

Specifications:

$V_{in} = +5V \pm 10\%$

CCFL strike voltage = 1400Vrms

CCFL tube current = 7.0mA/tube

Recommended CCFL sustaining voltage =
300Vrms - 700Vrms

Nominal tube current frequency = 50kHz $\pm 10\%$

Average electrical efficiency = 90%

Additional control capability:*

On-board wide-range input regulation

On-board wide-range pwm dimming

Supports multiple units ie: Master/Slave(s)

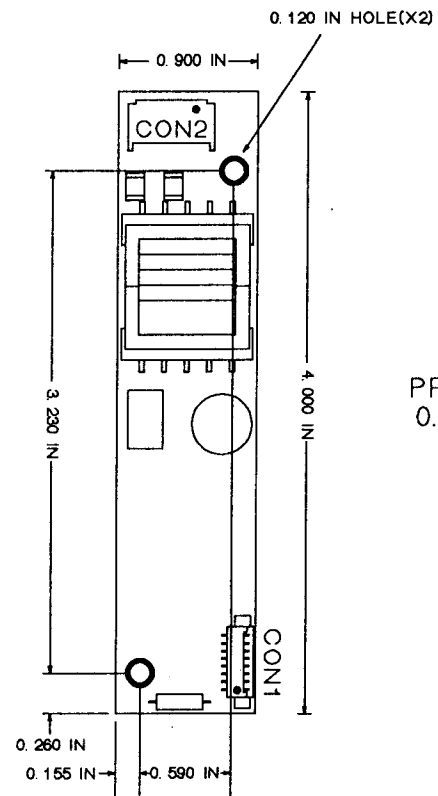
Synchronization to display frame-rate

* Please contact factory for additional information

ACN-05-1109

PRODUCT DATA SHEET

2/22/00



PROFILE:
0.552 IN

INPUT CONNECTOR
CON1
MOLEX 53261-0890

PIN #	FUNCTION
1	+5V(PWR)
2	+5V(PWR)
3	GND(PWR)
4	GND(PWR)
5	NC
6	NC
7	NC
8	NC

NOTE: PINS 5-8 CAN BE RE-DEFINED
FOR CUSTOM APPLICATIONS

OUTPUT CONNECTOR
CON2
JST SM03(4.0)B-BHS-1-TB

PIN #	FUNCTION
1	CCFL COMMON
2	CCFL 1
3	CCFL 2