

**APPLIED
CONCEPTS INC.**

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AC2-12-1054

PRODUCT DATA SHEET

8/7/00

CCFL INVERTER

(For Multiple Tube Applications)

The AC2-12-1054 is designed to power 5 CCFL's to a nominal power level of 10 watts.

Intensity control (0-100%) is accomplished by the user providing a variable dc level of 0V(off) to 5V(full-on) at pin 6 of CON1.

Enable control is accomplished at pin 5 of CON1 (0V=off, 5V=on).

All outputs are open and short circuit protected.

Meets nominal drive requirements for Landmark C081 Backlight.

Specifications:

Vin = +12V +/- 10%

CCFL strike voltage = 925Vrms @ Vin=12V

CCFL tube current = 6.0mA/tube @ 100% intensity/Vin=12V)

Recommended CCFL sustaining voltage = 225Vrms - 425Vrms

Nominal tube current frequency = 52khz +/- 10%

Nominal pwm frequency = 98Hz +/- 3%

Pwm duty cycle range = 0 to 100%

Average electrical efficiency >90%

External PWM signal input control via enable pin

Output PWM sync signal @ pin 8 of CON1

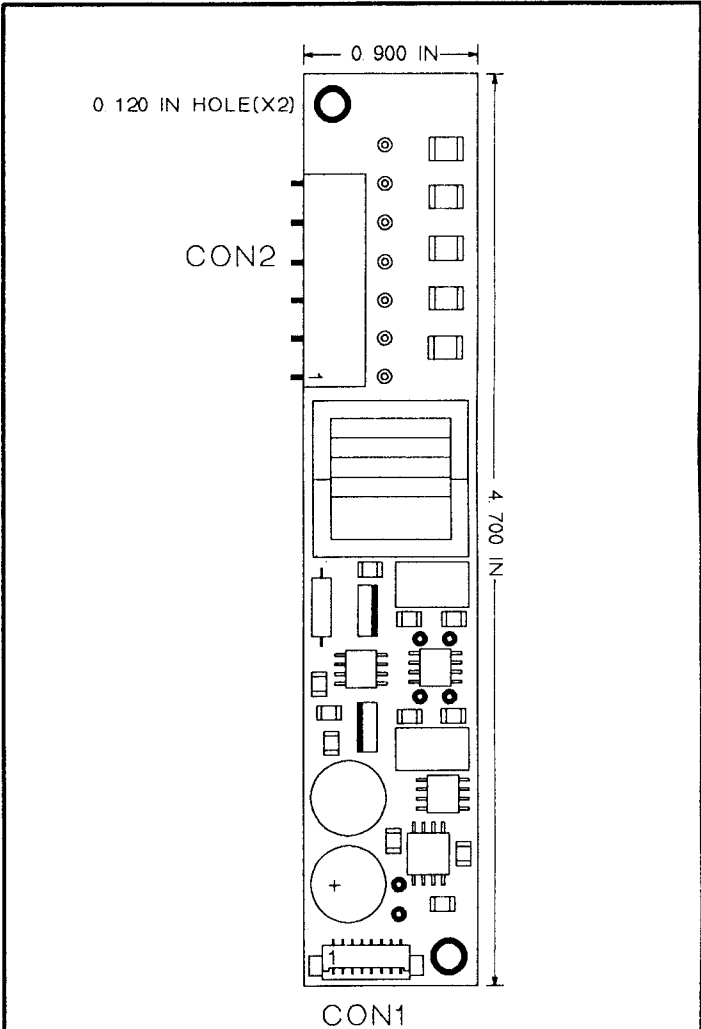
Additional control capability:*

Supports multiple units ie:Master/Slave(s)

Synchronization to display frame-rate

UL 1950 recognition pending

* Please contact factory for information



PROFILE < 0.575 IN

INPUT CONNECTOR
CON1
MOLEX 53261-0890

OUTPUT CONNECTOR
CON2
MOLEX 22-26-1110

PIN #	FUNCTION	PIN #	FUNCTION
1	+12V(PWR)	1	CCFL COMMON
2	+12V(PWR)	2	NC
3	GND(PWR)	3	CCFL5
4	GND(PWR)	4	NC
5	ENABLE	5	CCFL4
6	VCNTL	6	NC
7	TBD/+5V OUT	7	CCFL3
8	PWM OUT	8	NC
		9	CCFL2
		10	NC
		11	CCFL1