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AC7-12-1393

PRODUCT DATA SHEET

CCFL INVERTER

(For Dual Tube Applications)

4/6/09

The AC7-12-1393 is designed to drive 2 CCFL'S to a nominal current level of 8.5mA per tube.

Intensity control (0-100%) is accomplished by the user providing a variable dc level of 0V(off) to 5V(full-on) at pin 3 of CON1.

Enable control (active high) is accomplished at pin 4 of CON1.

All outputs open and short circuit protected.

Specifications:

Vin = +12V +/- 10%

CCFL strike voltage = 1700Vrms @ Vin=12V

CCFL tube current = 8.5mA/tube @ 100% intensity/Vin=12V)

Recommended CCFL sustaining voltage = 530Vrms - 730Vrms

Nominal tube current frequency = 80Khz +/- 10%

Nominal pwm frequency = 98Hz +/- 3%

Pwm duty cycle range = 0 to 100%

Average electrical efficiency >88%

*Additional control capability:**

Enable/Disable function

Simple button intensity control

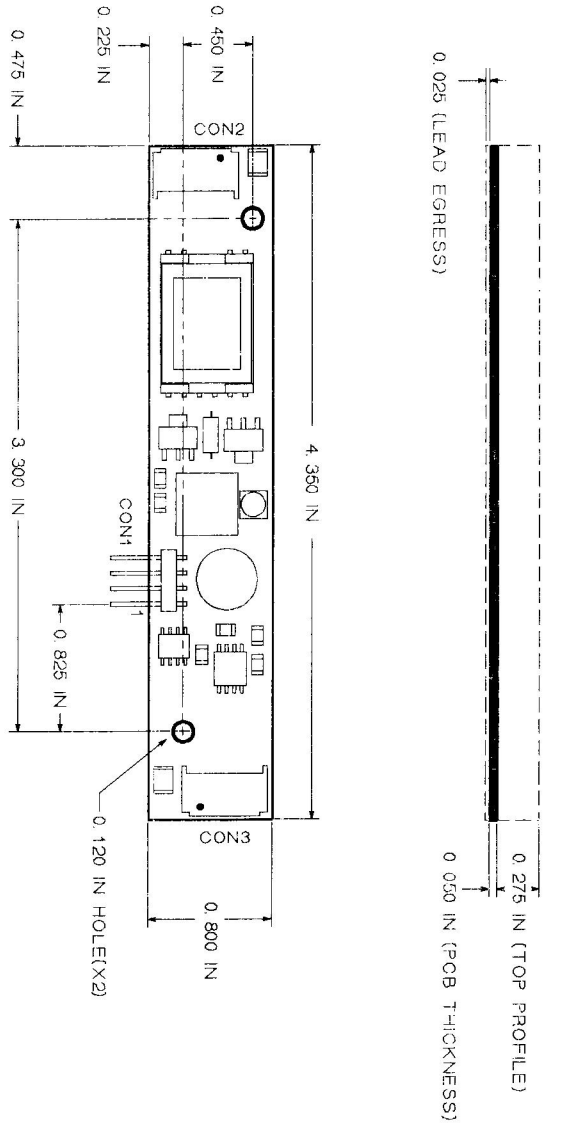
CDS ambient light sensor control

Synchronization to display frame-rate capable

Two-wire(variable resistance) intensity control

Serial communication control

* Please contact factory for information



INPUT CONNECTOR
CON1
MOLEX 22-28-8041

PIN #	FUNCTION
1	+VIN
2	GND
3	VCNTL
4	ENABLE

OUTPUT CONNECTOR
CON2,CON3
JST SM03(4.0)B-BHS-1-TB

PIN #	FUNCTION
1	CCFL HOT
2	NC
3	CCFL COLD