

PERFORMANCE SPECIFICATIONS:

DESCRIPTION	SYM	MIN	TYP	MAX	UNITS
INPUT VOLTAGE	VIN	10.0	12.0	16.0	V DC
INPUT CURRENT	IIN	---	230	---	MA DC
OUTPUT VOLTAGE	VL	900	1000	---	V RMS
OUTPUT CURRENT	IL	4.0	5.0	6.0	MA RMS
OSC. FREQUENCY	Fo	45.0	55.0	65.0	K HZ
PWM FREQUENCY	FPW	4.35	4.55	4.75	HZ

TESTED WITH 1 EACH 3MM X 16.4MM LAMP, AT 25°C,
VIN= 12.0V ± 0.1V.

OPERATING CHARACTERISTICS:

INPUT VOLTAGE RANGE: 8.0 Vdc TO 16.0 Vdc
NOMINAL INPUT POWER: 5.0 WATTS
OUTPUT DIMMING RANGE (R MODE): 33% TO 100%
OUTPUT DIMMING RANGE (V MODE): N/A
OPERATING TEMPERATURE RANGE: 0°C TO 60°C
STORAGE TEMPERATURE RANGE: -20°C TO 70°C

CONTROL FUNCTIONS:

CNT (INPUT PIN 3) IS USED AS AN INHIBIT FUNCTION, "GND" EQUALS ON. "+V" OR "OPEN" EQUALS OFF.

R MODE DIMMING: VR1 AND VR2 (INPUT PINS 4, AND 5) ARE USED TO PROVIDE, THE DIMMING FUNCTION, "0" OHMS EQUALS 100% LIGHT OUTPUT, "10K" OHMS EQUALS 33% LIGHT OUTPUT.

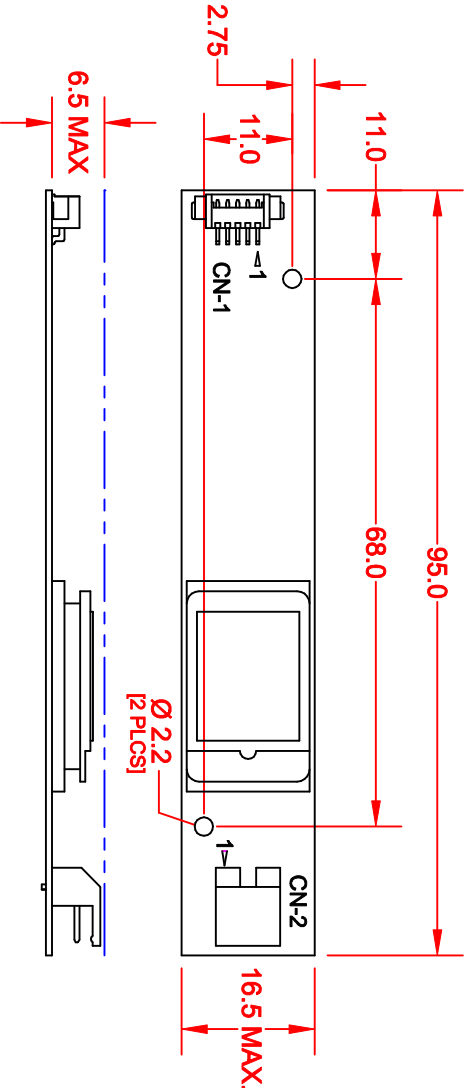
NOTE: THE SWITCH AND POTENTIOMETER SHOWN ON THE WIRING DIAGRAM ARE NOT A PART OF THE BXA-12594-5M INVERTER. THESE PARTS ARE AVAILABLE FROM MOST ELECTRONIC PARTS DISTRIBUTORS.

MATING CONNECTORS:

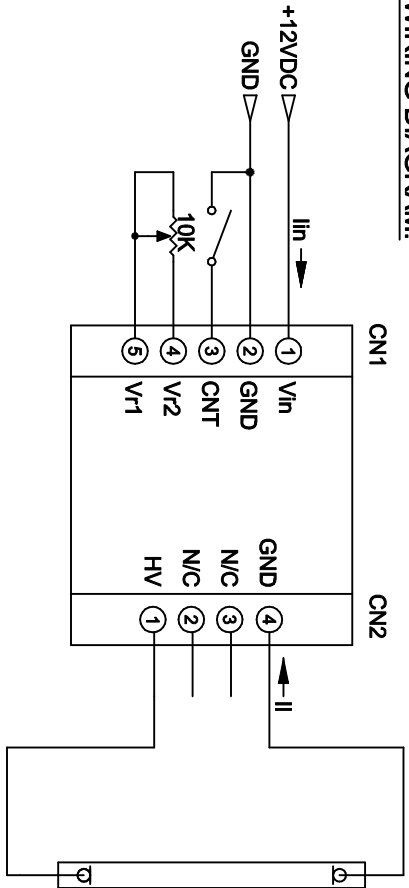
REF.	DESCRIPTION	PART NUMBER	MFG.
CN-1	HOUSING	51021-0500	MOLEX
CN-1	TERMINAL	50079-8000	
CN-1	INPUT HARNESS	BXC-10549	JKL
CN-2	HOUSING	1L-G-4S-S3C2	JAE
CN-2	TERMINAL	L-G-C2-SC-10000	
CN-2	OUTPUT HARNESS	BXC-10689	JKL

ABSOLUTE MAXIMUM RATINGS:

MAXIMUM INPUT VOLTAGE: 16.0 Vdc
MAXIMUM RELATIVE HUMIDITY: 90%



WIRING DIAGRAM:



METRIC

THIRD ANGLE PROJECTION

DIMENSIONS ARE IN MILLIMETERS

TOLERANCE UNLESS OTHERWISE SPECIFIED

1 PL +/- .01

2 PL +/- .02

ANGLE +/- .0

DRAWN BY L. WENGSTROM

APPROVED BY J.K.

DATE 7/2/04

SIZE A

FSCH NO. 55335

SCALE NONE

JKL COMPONENTS CORPORATION

TITLE 12V DC INPUT, SINGLE OUTPUT, DIMMING CCFL INVERTER

REV. NO. 1

DATE 7/2/04

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MANUAL REVISIONS NOT PERMITTED

DATE 7/2/04

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