NOTES

I. OPERATING VOLTAGE: 10.0 TO 15.0 VDC

2. MAX SWITCH CURRENT: 20A CONTINUOUS, 50A PEAK

3. NOT TO EXCEED VOLTAGE: 24V CONTINUOUS, 40V FOR 100 MS

CONTROL CURRENT: 20 MA MAX

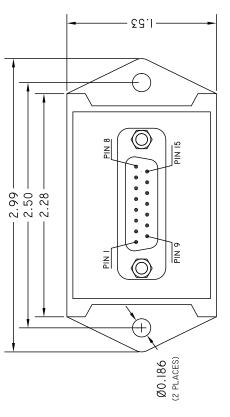
CONTROL VOLTAGE: 10.0 TO 15.0 VDC S. ON STATE VOLTAGE DROP: 50mV MAX @ 20A 30 mV TYPICAL.

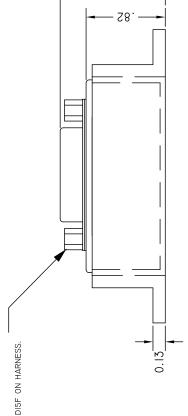
THE AEC9030 SS RELAY MAY BE USED IN EITHER A HIGH SIDE (SWITCHED SUPPLY) OR LOW SIDE (PULL DOWN TO GROUND) SWITCHING TASK.

AMBIENT TEMPERATURE: -40C TO +55C œ.

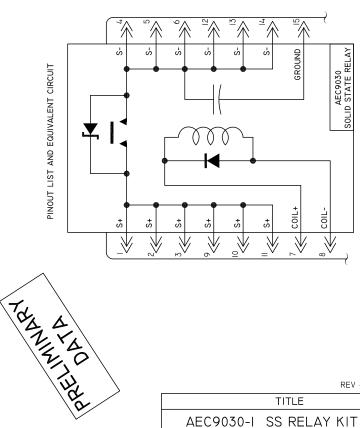
WEIGHT: /-I KIT = 2.5 0Z

10. CAUTION: THE ACTIVE DEVICE IN THE AEC9030 SOLID STATE RELAY IS A POWER MOS-FET THAT INCLUDES A PARALLEL DIODE. THE PARASITIC DIODE WILL "TURN ON" IN SITUATIONS WHERE SWITCH- BECOMES MORE POSITIVE THAN SWITCH+. THIS MEANS THAT THE AEC9030 MUST NOT BE USED IN SITUATIONS WHERE THIS AUTONOMOUS BACKFLOW OF ENERGY CANNOT BE TOLLERALD. SINILARLY, THE AEC9030 CANNOT BE USED IN SITUATIONS WHERE CURRENT FLOW IN BOTH DIRECTIONS MUST BE CONTROLLED, E.G. BATTERY CONTACTOR SERVICE WHERE THE BATTERY CONTACTOR SERVICE WHERE THE BATTERY SOTH LOADED AND CHARGED THROUGH THE SAME SWITCHING DEVICE. .





(XAM) ZI.I



PINOUT LIST AND EQUIVALENT CIRCUIT

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SOURCE

AEC

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SOLID STATE RELAY

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AEC9030

DESCRIPTION

P/N

HEM#

|-/

QTY/ASSY

AEC AEC AEC

CNCTR, D-SUB, 15 PIN CRIMP SS RELAY ASSY - 14V

16254 PL 9030-100-1

- 20 AWG CRIMP $\frac{\mathsf{L}}{\mathsf{L}}$

SOCKET

M39029/63-368

DAISH

HOOD, D-SUB

REV -A- II/07/07 TITLE PAGE AEC9030-I SS RELAY KIT 1.0

PINOUT LIST AND EQUIVALENT CIRCUIT