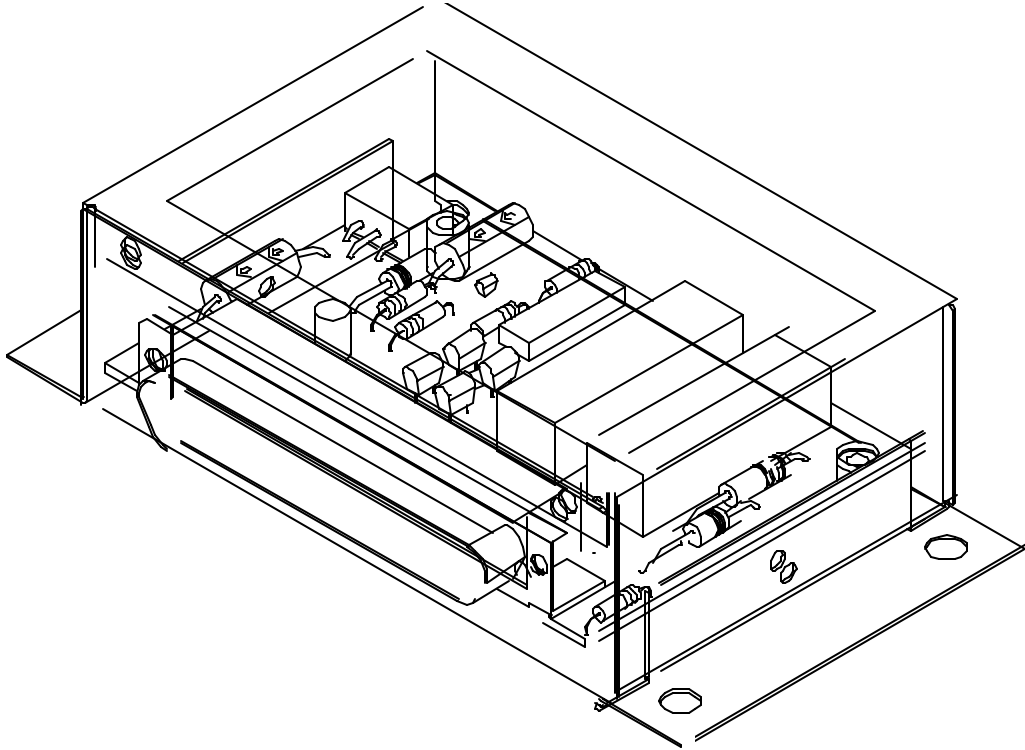


AIS80-1
 11-32 Volt Universal
 CDI Switch Unit

Installation Manual
PMA Approved
 PMA# PQ894SW



Size

Length 4.50"
 Width 1.25"
 Height 2.30"

DO-160C Env. Cat.
 [A1D1]-CA(MN)XXXXXXZBABATZXXX

Electrical

Operating Voltage 11-32 VDC
 Operating Current 50mA (all relays engaged)
 Contact Switching Rating* 1.0A @ 30VDC Max.

Environmental

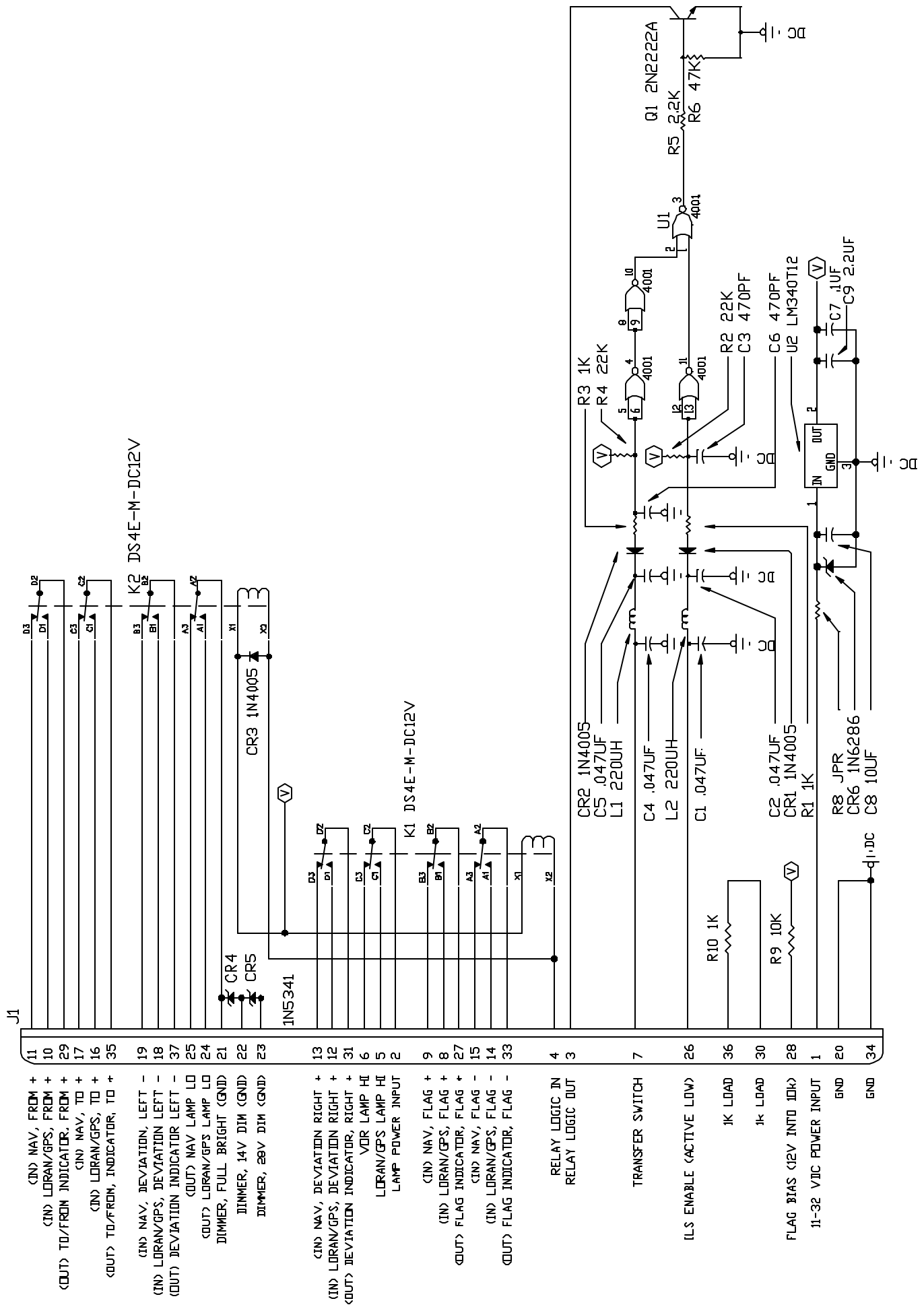
Max. Operating Temp. -20°C to +55°C
 Max. Operating Altitude 50,000 Ft.
 *Limited by circuit board track current capacity.

Always use the Installation Manual provided. Do not rely on previously issued manuals.

Mating Connector and Contact Information

Description	Manufacturer	Manu. Part Number	SANDIA Part Number
Connector Housing	AMP/Tyco	205209-1	205209-1
Crimp Contact	AMP/Tyco	205090-1	205090-1
Hand Crimper Tool	AMP/Tyco	**601966-1	NA
Insertion/Extraction Tool	AMP/Tyco	**91067-2	NA

**Or Equivalent Tool



11 (IN) NAV, FROM +
 10 (IN) LORAN/GPS, FROM +
 29 (OUT) TO/FROM INDICATOR, FROM +
 17 (IN) NAV, TO +
 16 (IN) LORAN/GPS, TO +
 35 (OUT) TO/FROM, INDICATOR, TO +
 19 (IN) NAV, DEVIATION, LEFT -
 18 (IN) LORAN/GPS, DEVIATION LEFT -
 37 (OUT) DEVIATION INDICATOR LEFT -
 25 (OUT) NAV LAMP LO
 24 (OUT) LORAN/GPS LAMP LO
 21 DIMMER, FULL BRIGHT (GND)
 22 DIMMER, 14V DIM (GND)
 23 DIMMER, 28V DIM (GND)

13 (IN) NAV, DEVIATION RIGHT +
 12 (IN) LORAN/GPS, DEVIATION RIGHT +
 31 (OUT) DEVIATION INDICATOR, RIGHT +
 6 VDR LAMP HI
 5 LORAN/GPS LAMP HI
 2 LAMP POWER INPUT
 9 (IN) NAV, FLAG +
 8 (IN) LORAN/GPS, FLAG +
 27 (OUT) FLAG INDICATOR, FLAG +
 15 (IN) NAV, FLAG -
 14 (IN) LORAN/GPS, FLAG -
 33 (OUT) FLAG INDICATOR, FLAG -

4 RELAY LOGIC IN
 3 RELAY LOGIC OUT

7 TRANSFER SWITCH

26 ILS ENABLE (ACTIVE LOW)

36 1k LOAD

30 1k LOAD

28 FLAG BIAS (2V INTO IOR)

1 11-32 VTC POWER INPUT

20 GND

34 GND