

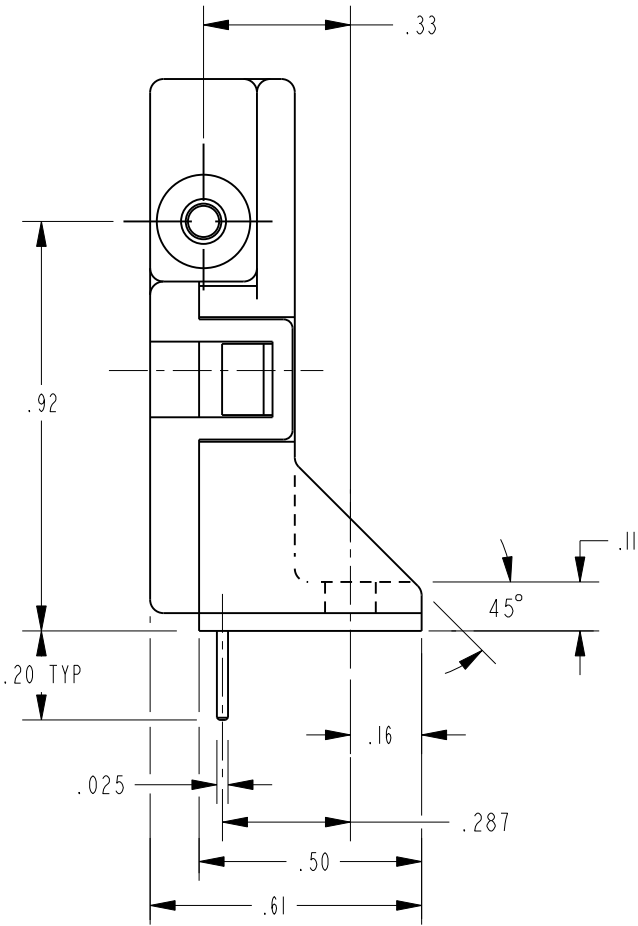
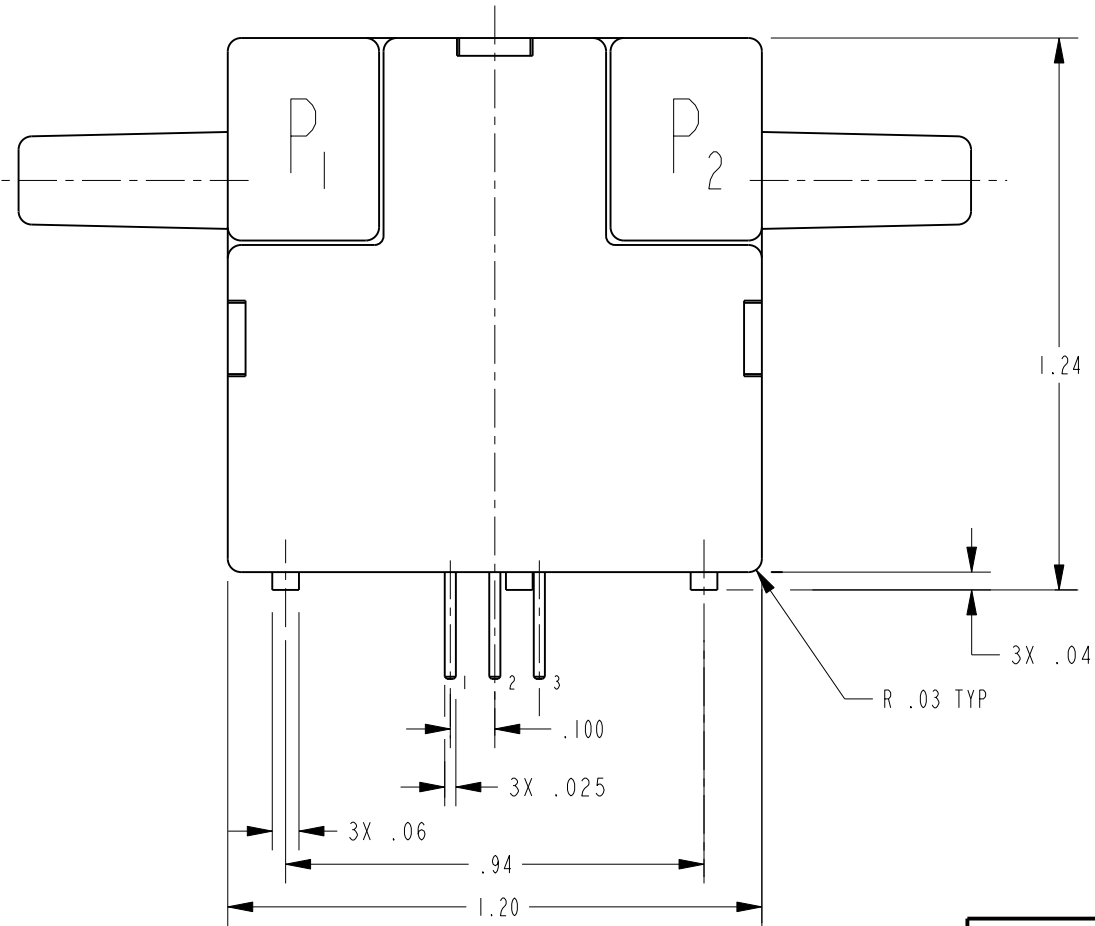
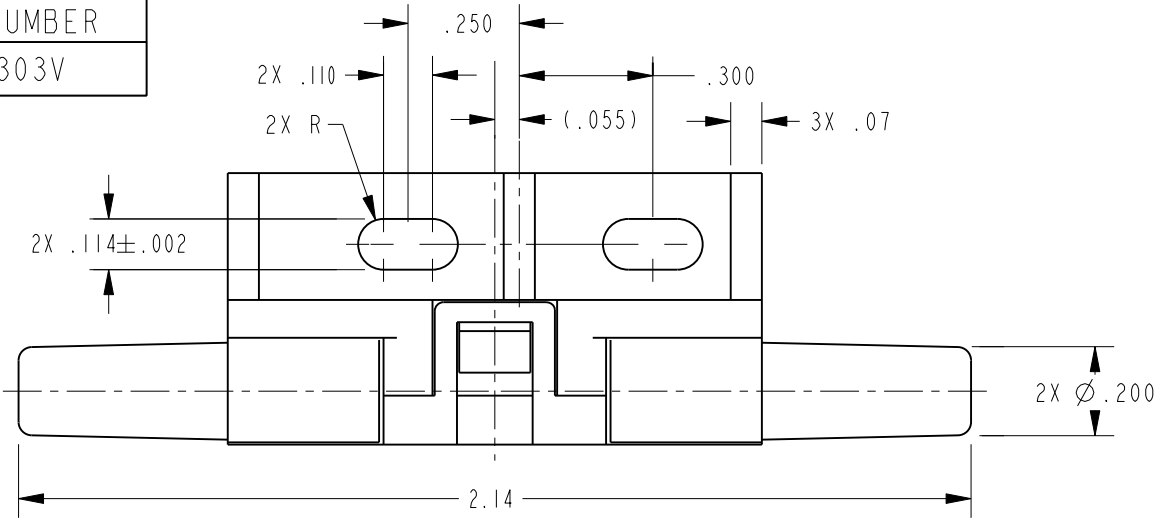
HONEYWELL
PART NUMBER
AWM3303V

REV	DOCUMENT	CHANGED BY	CHECK
7	0013772	RS 20JUN05	AK

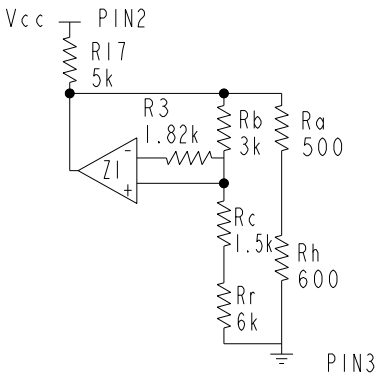
OUTPUT CONNECTIONS

- PIN 1 OUTPUT VOLTAGE
PIN 2 + SUPPLY VOLTAGE
PIN 3 GROUND

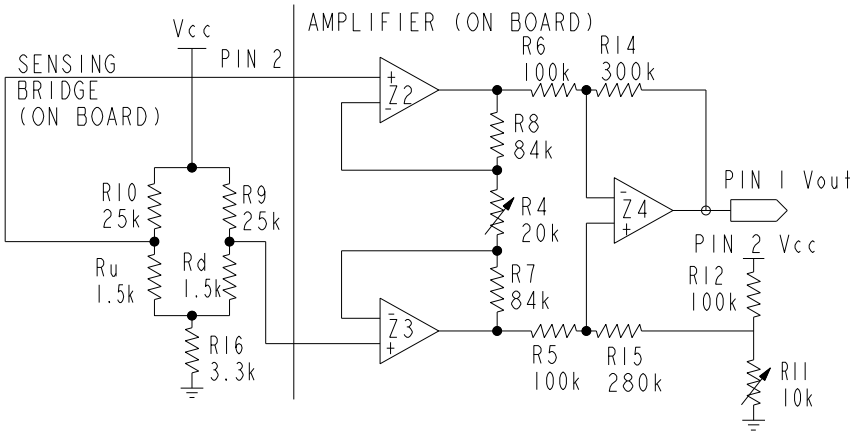
SUPPLY VOLTAGE	8 TO 15 VDC
RECOMMENDED EXCITATION	10.00 ±01 VDC
POWER CONSUMPTION	50mW TYP
OUTPUT VOLTAGE @ 1000 sccm	5.000 ±.150 VDC
OUTPUT VOLTAGE @ NULL (0 sccm)	3.000 ±.050 VDC
OUTPUT VOLTAGE @ -1000 sccm	1.000 ±.300 VDC
CALIBRATION GAS	NITROGEN
NULL OUTPUT SHIFT -25 °C TO +85 °C	±.050 VDC MAX
FULL SCALE OUTPUT SHIFT -25 °C TO +25 °C +25 °C TO +85 °C	+5.0% READING MAX +5.0% READING MAX
REPEATABILITY AND HYSTERESIS P1 TO P2	±1% READING MAX
REPEATABILITY AND HYSTERESIS P2 TO P1	±.5% READING MAX
RESPONSE TIME	3 mSEC MAX
OPERATING TEMPERATURE	-25° C TO +85° C
STORAGE TEMPERATURE	-40° C TO +90° C
TERMINATION .10 INCH CENTERS	.025 INCH SQUARE
OVERPRESSURE	25 PSI MAX



HEATER CONTROL CIRCUIT



SENSING BRIDGE SUPPLY CIRCUIT AND DIFFERENTIAL INSTRUMENTATION AMPLIFIER



NOTE
1 - POSITIVE FLOW DIRECTION IS DEFINED AS PROCEEDING FROM P1 TO P2 AND RESULTS IN POSITIVE OUTPUT VOLTGE CHANGE
NEGATIVE FLOW DIRECTION IS DEFINED CONVERSELY AND RESULTS IN NEGATIVE OUTPUT VOLTAGE CHANGE

DESIGN UNITS: INCH TOLERANCES UNLESS NOTED:	
NO PLACE X ±	
ONE PLACE .X ±	.030
TWO PLACE .XX ±	.015
THREE PLACE .XXX ±	.005
FOUR PLACE .XXXX ±	
ANGLES X ±	
THIRD ANGLE PROJECTION	

DRAWN	GJW	08MAY00
CHECK	SAV	08MAY00
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INTERPRET PER ANSI Y14.5M-1982 OTHER HONEYWELL ENGINEERING STANDARDS MAY APPLY		
Pro/ENGINEER 2D		

Honeywell			
TITLE AIRFLOW SENSOR			
SIZE B	TYPE I	DRAWING NAME AWM3303V	REV 7
SCALE 3:1	SHEET 1 OF 1		