

HONEYWELL
PART NUMBER

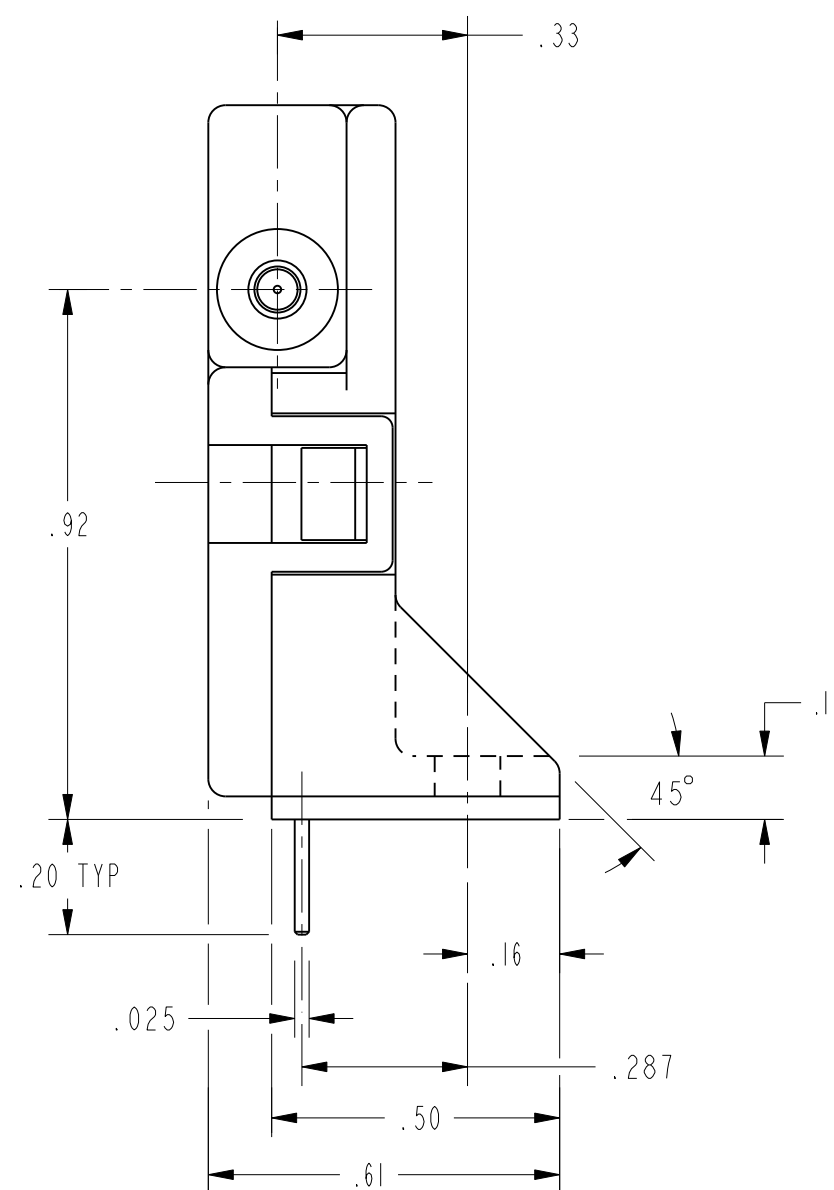
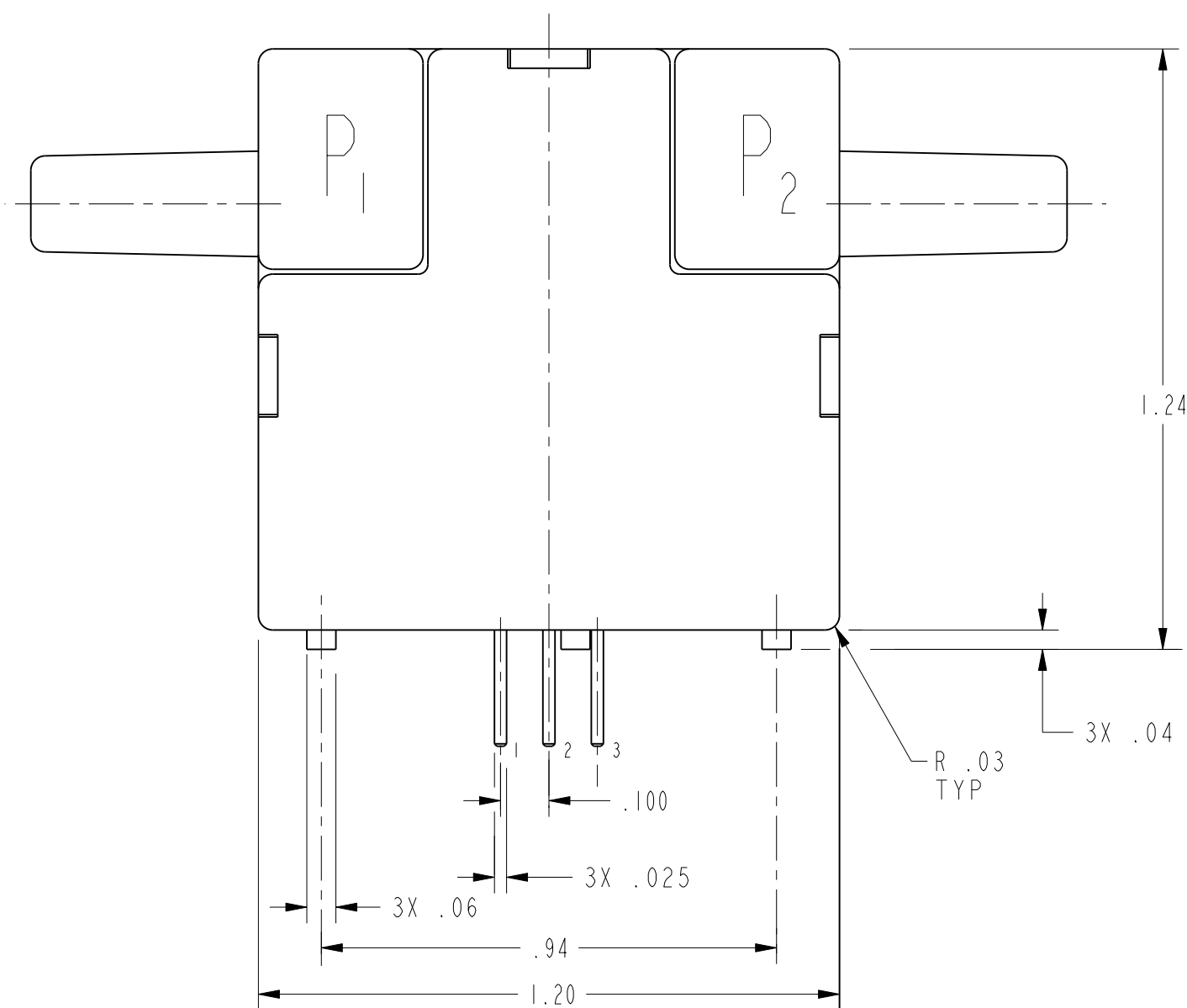
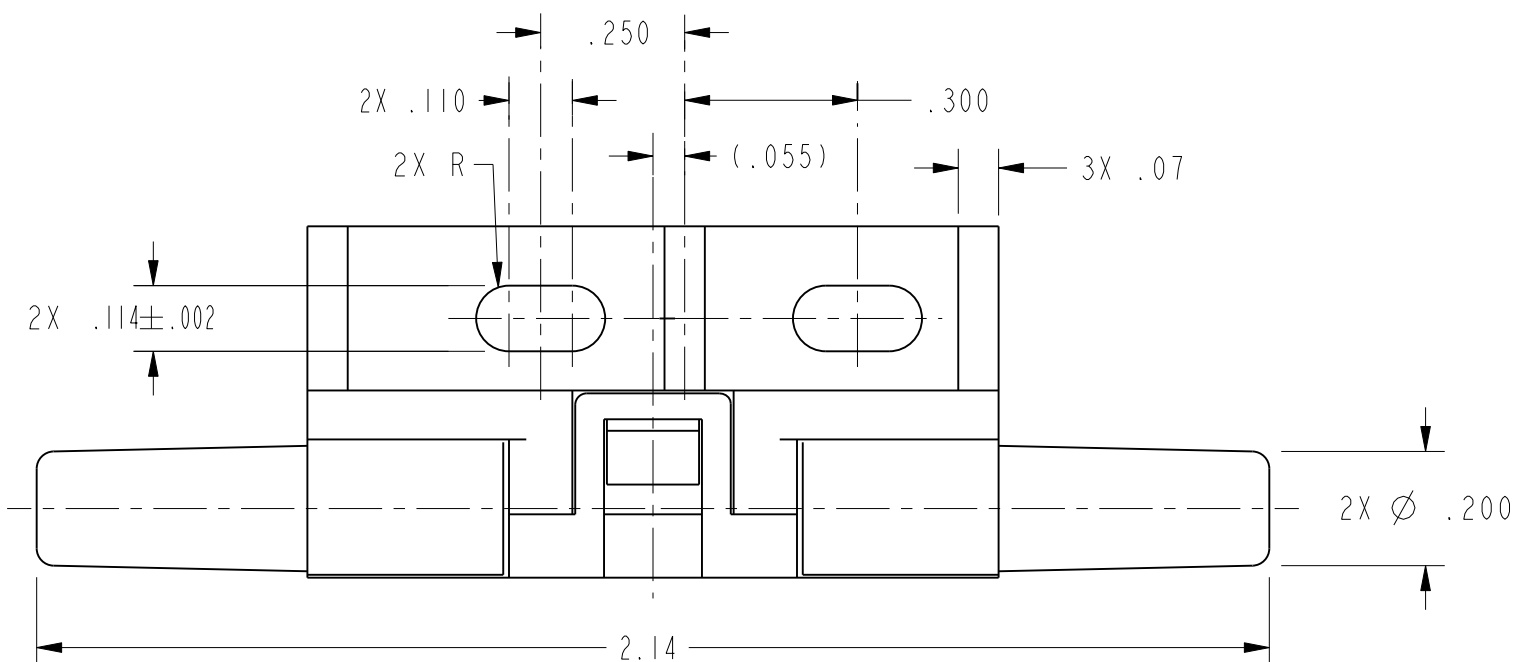
AWM3205V

SPECIFICATIONS:	AWM3205V
RECOMMENDED EXCITATION	10.00±.01VDC
POWER CONSUMPTION	60mW MAX
OUTPUT VOLTAGE AT LASER TRIM POINT	5.00 VDC AT 2 IN. H ₂ O
NULL VOLTAGE	1.00±.08 VDC
NULL VOLTAGE SHIFT (-25°C TO +85°C)	±25mV TYP
OUTPUT VOLTAGE SHIFT (+25°C TO -25°C)	9.0% F.S.O.
(+25°C TO +85°C)	-9.0% F.S.O.
REPEATABILITY & HYSTERESIS	±.50% F.S.O. MAX
RESPONSE TIME	3.0 msec MAX
OPERATING TEMPERATURE RANGE	-25°C TO +85°C
STORAGE TEMPERATURE RANGE	-40°C TO +90°C
TERMINATION (ON .100 CENTERS)	0.025 SQ. IN.
WEIGHT	10.8 GRAMS
SHOCK RATING (5 DROPS, EACH OF 6 AXES)	100G PEAK
OVERPRESSURE	25 psi MAX

REV	DOCUMENT	CHANGED BY	CHECK
3	0013772	RS 21JUN05	AK

AWM3205V
OUTPUT FLOW VS. INTERCHANGEABILITY

PRESS IN. H ₂ O	NOMINAL (VDC)	TOL. (±VDC)
2.00	5.00	0.15
1.40	4.45	0.17
1.00	3.99	0.15
0.80	3.68	0.15
0.60	3.33	0.10
0.40	2.89	0.12
0.20	2.26	0.11
0.00	1.00	0.08



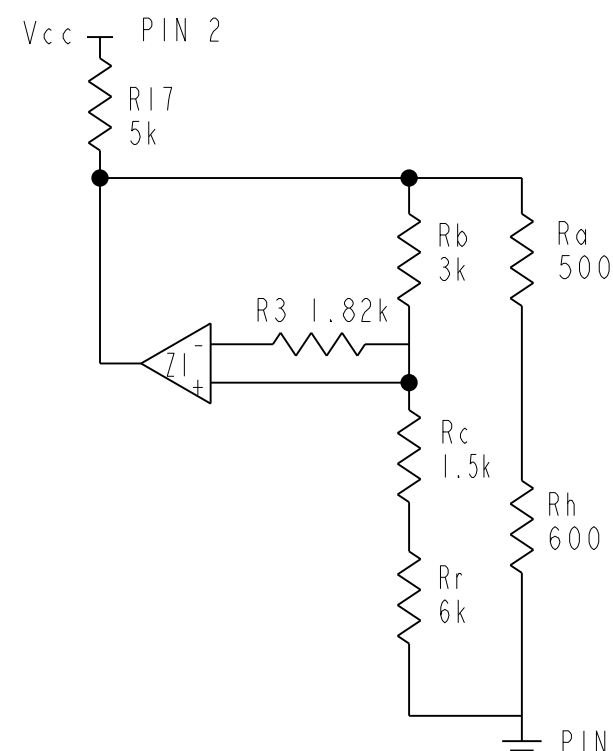
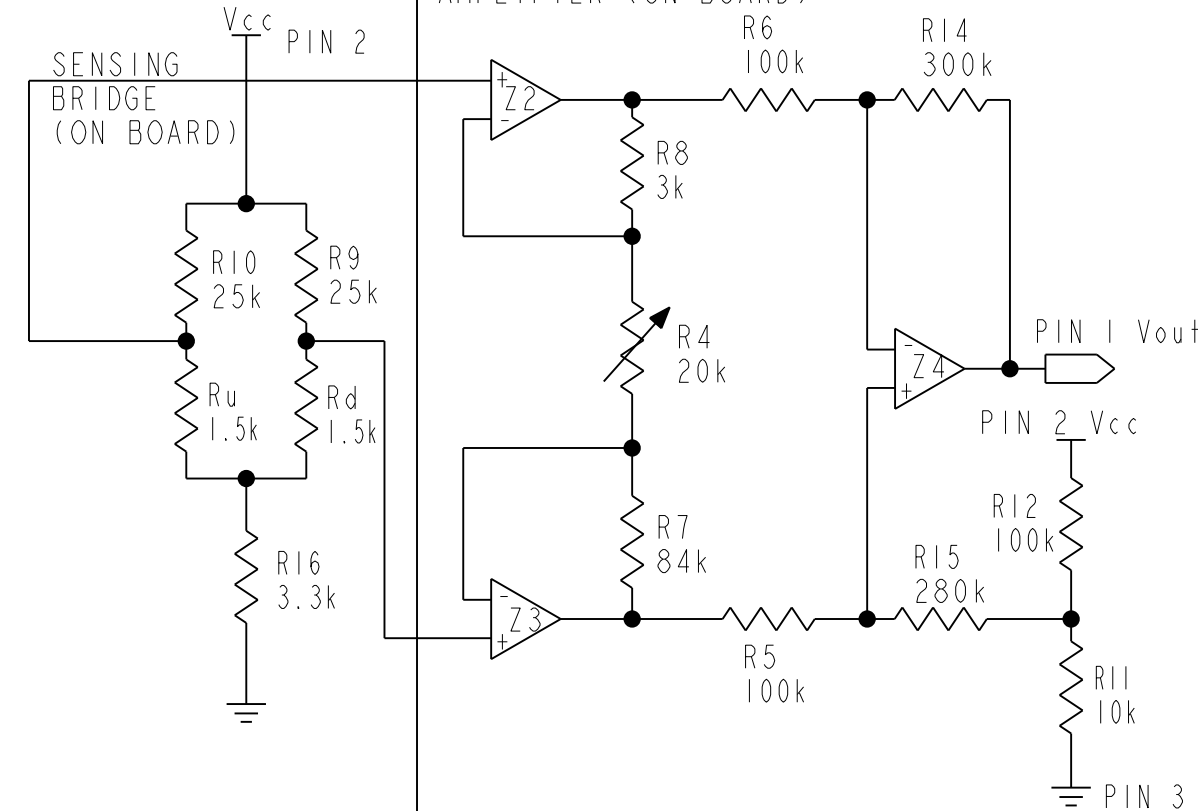
OUTPUT CONNECTIONS

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

NOTE

1 - POSITIVE FLOW DIRECTION IS DEFINED AS PROCEEDING FROM P₁ TO P₂ AND RESULTS IN POSITIVE OUTPUT (PIN 1 > PIN 3). NEGATIVE FLOW DIRECTION IS DEFINED CONVERSELY AND RESULTS IN NEGATIVE OUTPUT (PIN 1 < PIN 3)

HEATER CONTROL CIRCUIT

SENSING BRIDGE SUPPLY CIRCUIT AND
DIFFERENTIAL INSTRUMENTATION AMPLIFIER
(ON BOARD)

REPLACES: X100321-AW

DESIGN UNITS: INCH TOLERANCES UNLESS NOTED:		DRAWN		TSM		27SEP99		Honeywell				
		CHECK		SAV		27SEP99						
NO PLACE X ±		.030 .015 .005	THIS DRAWING COVERS A PROPRIETARY ITEM AND IS THE PROPERTY OF HONEYWELL.				TITLE MASS AIRFLOW SENSOR					
ONE PLACE .X ±			THIS DRAWING IS NOT TO BE COPIED OR USED WITHOUT THE PERMISSION OF HONEYWELL.									
TWO PLACE .XX ±			INTERPRET PER ANSI Y14.5M-1982 OTHER HONEYWELL ENGINEERING STANDARDS MAY APPLY				SIZE	TYPE	DRAWING NAME		REV	
THREE PLACE .XXX ±			THIRD ANGLE PROJECTION 				C	I	AWM3205V		3	
FOUR PLACE .XXXX ±		Pro/ENGINEER 2D					SCALE	3 : 1	SHEET 1 OF 1			
ANGLES X ±												