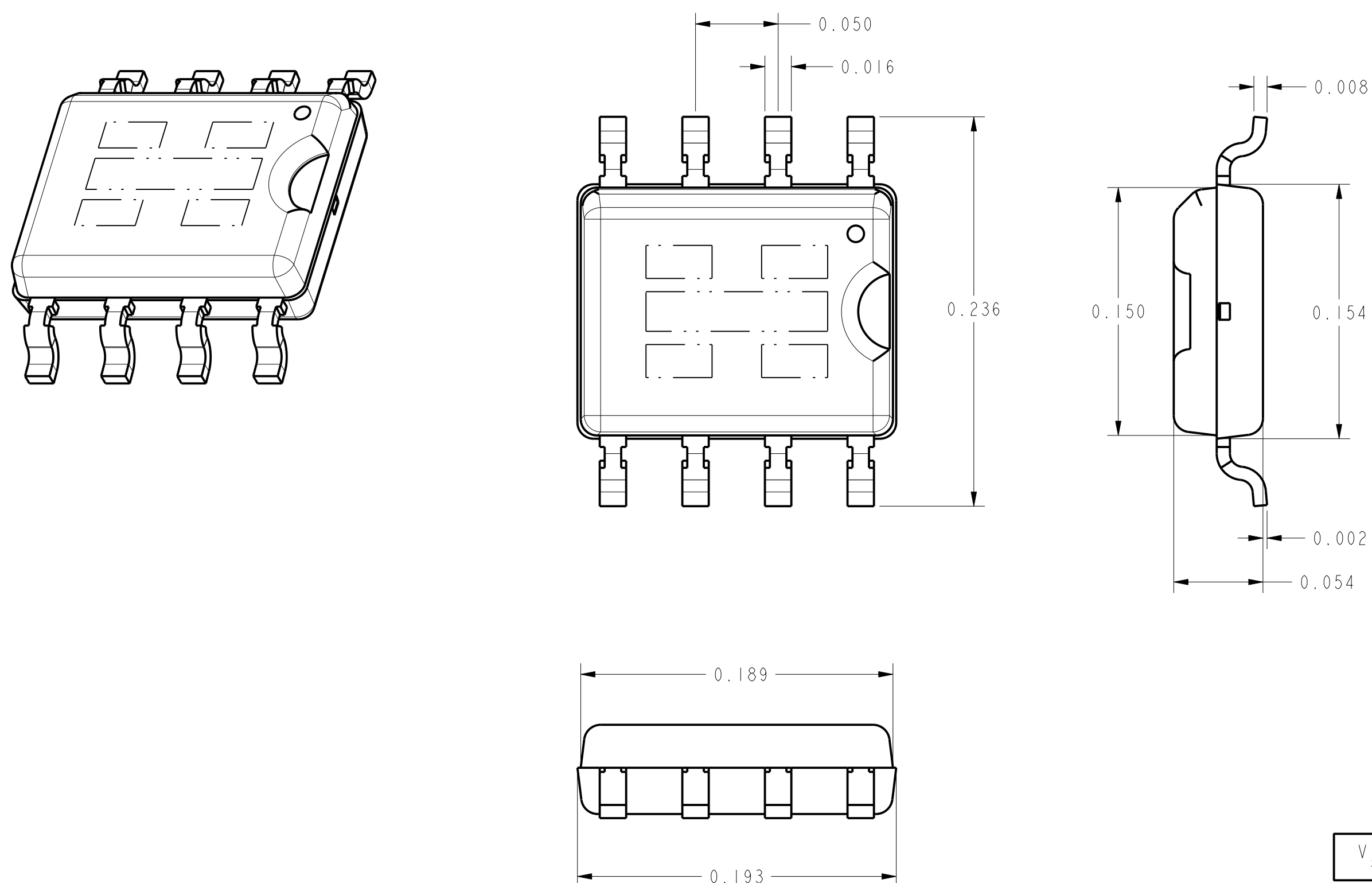


MOUNTING DIMENSIONS



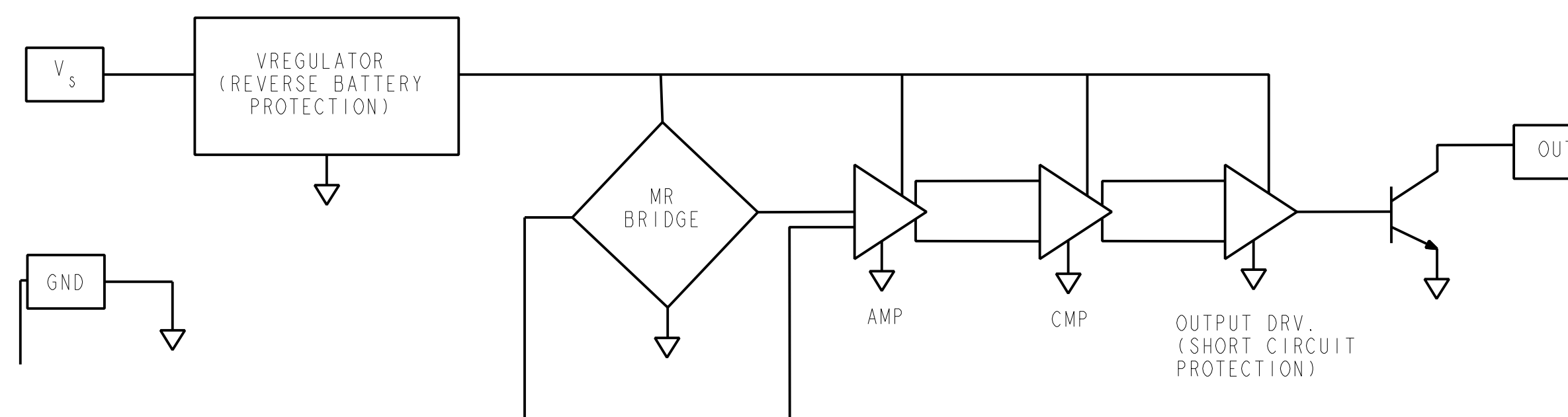
ABSOLUTE MAXIMUM RATINGS

CHARACTERISTIC	SYMBOL	CONDITIONS	MIN	MAX	UNIT
OPERATING TEMP	T_a	AMBIENT $4.5V < V_s < 30V$	-40	150	$^{\circ}C$
STORAGE TEMP	T_s	AMBIENT, NO POWER SUPPLIED	-55	170	$^{\circ}C$
SOLDERING TEMP		10SEC MAXIMUM		245	$^{\circ}C$
SUPPLY VOLTAGE	U_s	TEMP $-40^{\circ}C \leq T_a \leq 150^{\circ}C$	-0.5	30	V

CHARACTERISTICS @ 25C & 5V UNLESS OTHERWISE STATED

CHARACTERISTIC	SYMBOL	CONDITIONS	MIN	TYPICAL	MAX	UNIT
REVERSE VOLTAGE	V_s		-24			V
SUPPLY CURRENT	I_s	$I_{OL} = 20\text{mA}$, ON OR OFF		7	10	mA
SATURATION VOLTAGE	V_{sat}	$V_s = 4.5\text{V}$, $I_{OL} = 20\text{mA}$, ON STATE			0.4	V
LEAKAGE CURRENT	I_L	$V_s = 24\text{V}$, $OUT = 24\text{V}$, OFF STATE			10	μA
OUTPUT SHORT CIRCUIT		W/NO CURRENT LIMITING RESISTOR			24	V
DUTY CYCLE		EQUAL POLES, CONSTANT ROTATION	30	50	70	%
PITCH ERROR		EQUAL POLES, 180° POLES	-2.61		2.56	°

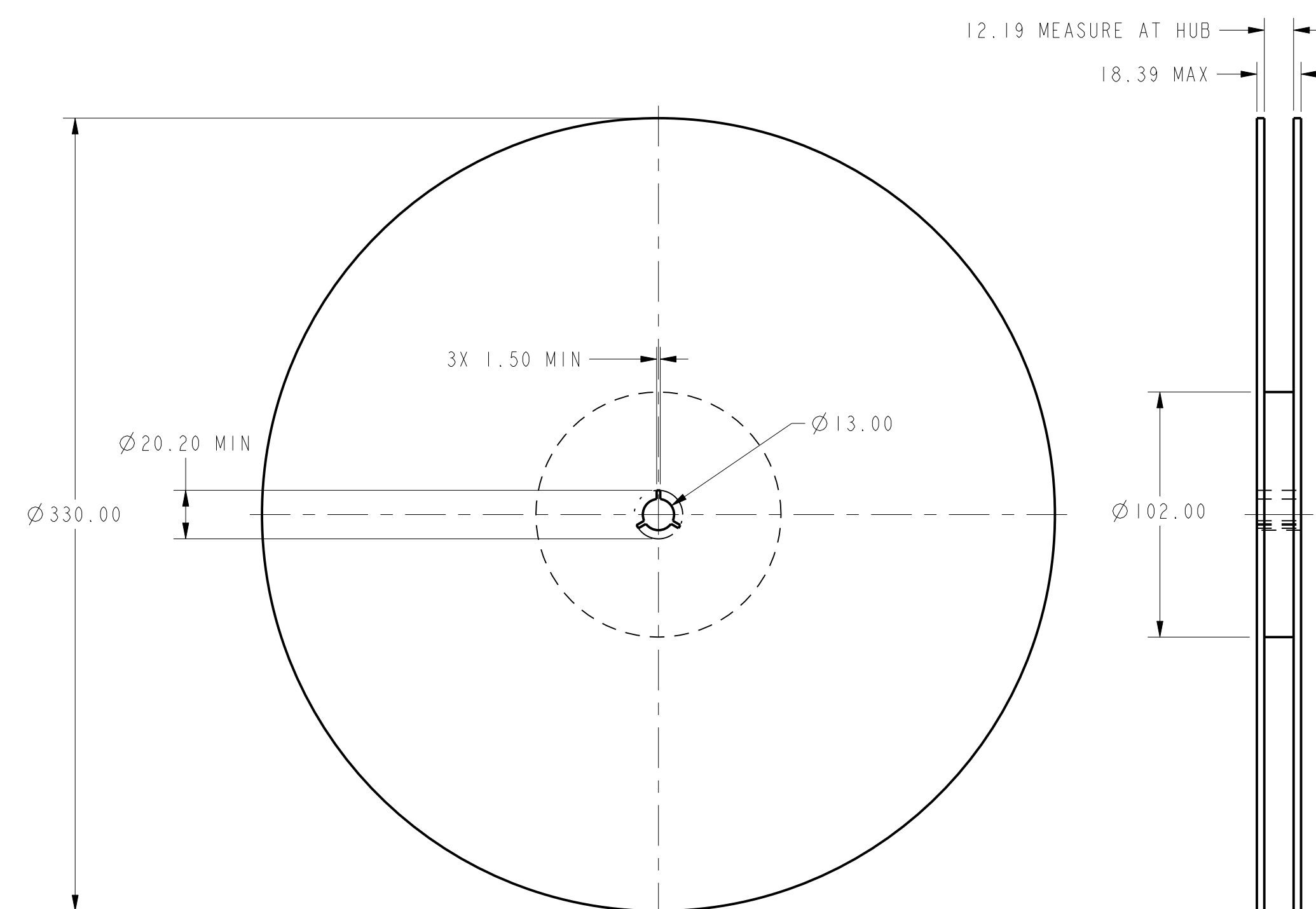
ELECTRICAL DIAGRAM



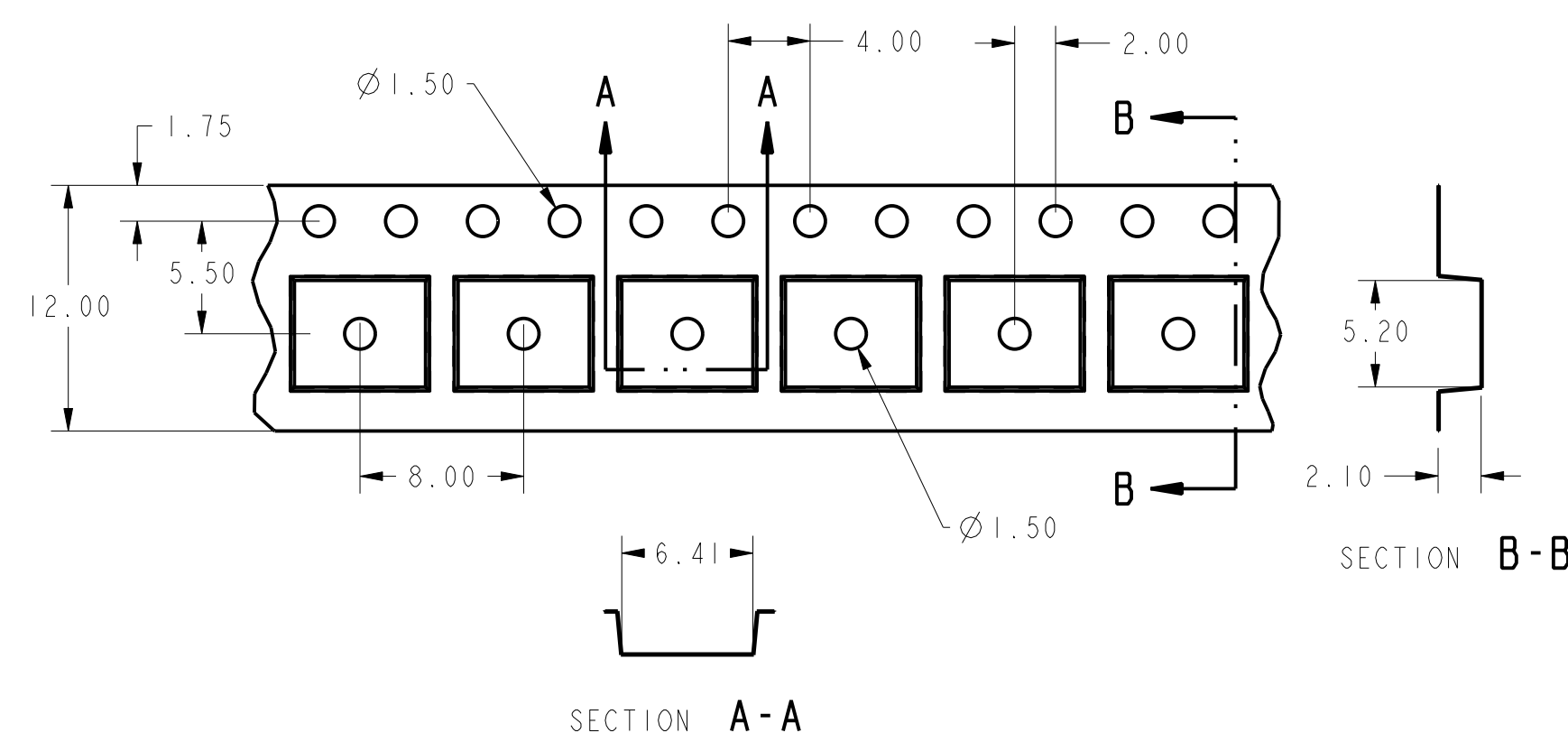
PIN OUT

PIN #	CONNECTION
1	NC
2	VOUT
3	NC
4	VCC
5	NC
6	NC
7	GND
8	NC

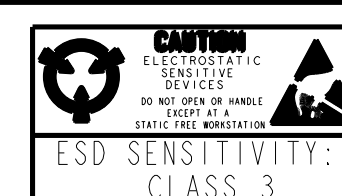
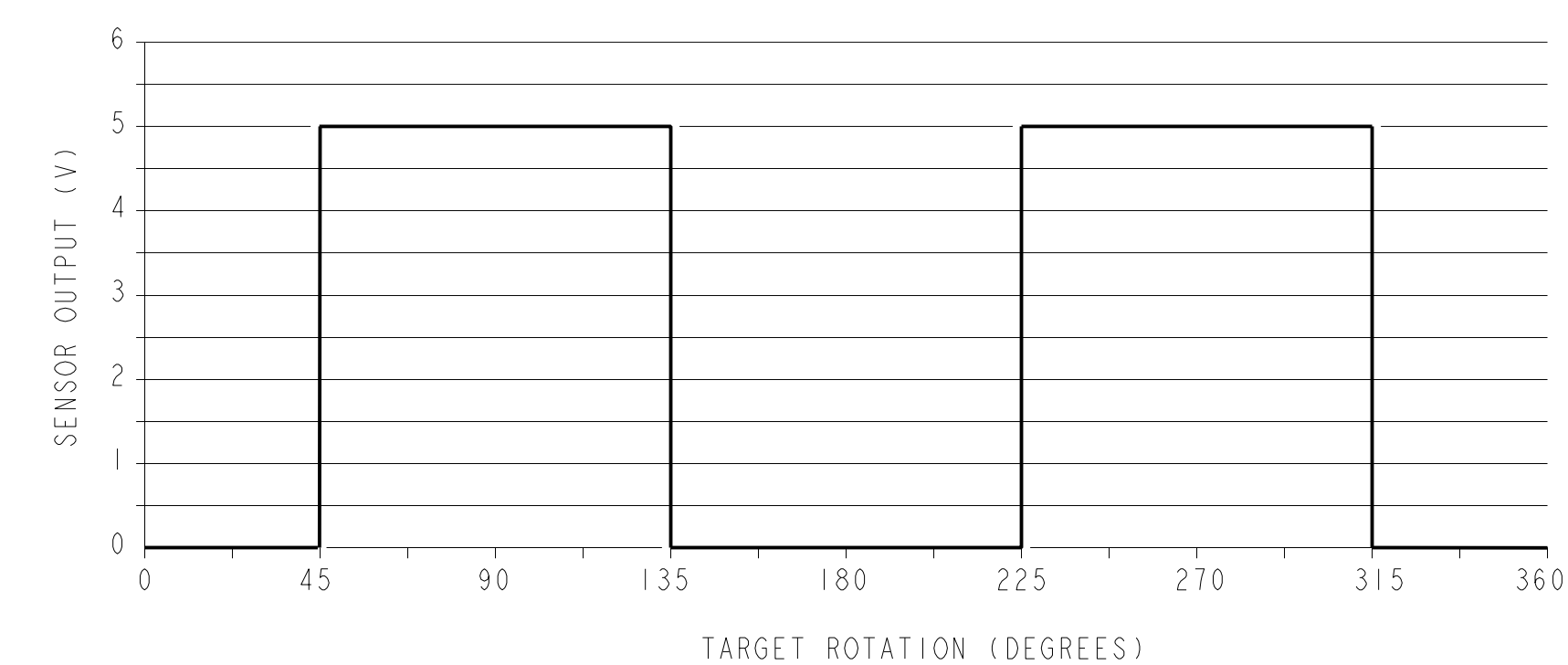
REEL DIMENSIONS



TAPE DIMENSIONS



SAMPLE SENSOR OUTPUT W/ 180 DEGREE POLES
AND EXTERNAL PULL-UP RESISTOR CONNECTED TO 5V



DESIGN UNITS: INCH			DRAWN		JLH		7 JUL05		Honeywell SOLID STATE SENSOR							
TOLERANCES UNLESS NOTED:			CHECK		JLH		7 JUL05									
NO PLACE X ± 0.400			THIS DRAWING COVERS A PROPRIETARY ITEM AND IS THE PROPERTY OF HONEYWELL. THIS DRAWING IS NOT TO BE COPIED OR USED WITHOUT THE PERMISSION OF HONEYWELL.										TITLE			
ONE PLACE X ± 0.030									SIZE		TYPE		DRAWING NAME		REV	
TWO PLACE .XX ± 0.015									D		I		VF651B-SP		A	
THREE PLACE .XXX ± 0.005									3D		SCALE				SHEET 1 OF 1	
FOUR PLACE .XXXX ± 0.0005									3D		-					
ANGLES X ± 3			INTERPRET PER ASME Y14.5M-1994 OTHER HONEYWELL ENGINEERING STANDARDS MAY APPLY													
THIRD ANGLE PROJECTION			Pro/ENGINEER													
