CATALOG LISTING THIS DRAWING COVERS A PROPRIETARY ITEM AND IS THE PROPERTY OF MICRO SWITCH. A DIVISION OF MICRO SWITCH **BRIDGE PRESSURE** HONEYWELL. THIS DRAWING IS NOT TO BE COPIED OR USED WITHOUT THE APPROVAL OF MICRO SWITCH 136PC01G2 a Honeywell Division **SENSOR** GENERAL OPERATING CHARACTERISTICS FED. MFG. CODE 91929 PRESSURE RANGE 0 TO 51.714 mmHg (0 TO 1 PSIG) OVERPRESSURE 1035 mmHg (20 PSI) TEMPERATURE RANGES -55° TO +125°C STORAGE -40° TO +85°C OPERATE ATMOSPHERIC VENT 0°C TO +50°C COMPENSATED Ø.25 16 VDC MAX SUPPLY VOLTAGE INPUT RESISTANCE 6800 OHM TYP ELECTRICAL PERFORMANCE AT 10.00±.01 VDC SUPPLY AND +25°C 136PC01G2 0 ± 1 mV (AT 0 PSI) NULL OFFSET $20 \pm 1.5 \text{ mV} (0 + o + PSI)$ F.S.O. /3 LINEARITY (BFSL) \pm .5% F.S.O. MAX $\sqrt{3}$ \pm 1.0% F.S.O. MAX $\sqrt{3}$ INPUT < VENT INPUT > VENT HYSTERESIS & REPEATABILITY ± .15% F.S.O. TYP /3 TEMPERATURE ERROR (25°C TO 0°C OR 25°C TO 50°C) \pm 4 mV MAX NULL SHIFT \pm 3.0% F.S.O. MAX $\sqrt{3}$ SENSITIVITY SHIFT - INPUT PORT CIRCUIT DIAGRAM MOUNTING BUSHING . 51 MOUNTING SURFACE . 28 A 206109 OUTPUT GND OUTPUT 4X .014 OUTPUT "A" INCREASES AS INPUT 4X .280 MIN PRESSURE INCREASES OUTPUT "B" DECREASES AS INPUT PRESSURE INCREASES - 3X . IOO . 63 IRD ANGLE PROJECTION 4X .02 - SCALE 2:1 I - TERMINALS ARE PLATED FOR SOLDERING 2 - LIMIT SOLDERING TO 315°C MAX FOR 10 SECONDS MAX DO NOT SCALE PRINT F.S.O. IS THE ALGEBRAIC DIFFERENCE BETWEEN THE OUTPUT UNLESS OTHERWISE SPECIFIED TOLERANCES ARE END POINTS (NULL AND FULL PRESSURE) 4 - INPUT MEDIA LIMITED ONLY TO THOSE MEDIA THAT WILL NOT ONE PLACE (.0) ±.030 PTC/CAD ATTACK POLYESTER, SILICON OR SILICONE BASED ADHESIVE TWO PLACE (.00) ±.015 THREE PLACE (.000) ±.005 ANGLES WEIGHT ANSI YI4.5M-1982 APPLIES