

GENERAL CHARACTERISTICS	
PRESSURE RANGE	-50 TO +50 mmHg
OVERPRESSURE	170 mmHg MAX
TEMPERATURE RANGES STORAGE OPERATING	-45° TO +85°C -45° TO +85°C
SUPPLY VOLTAGE	5 VDC
SUPPLY CURRENT	10 mA MAX
SHORT CIRCUIT LIMIT	MAY BE SHORTED INDEFINITELY
OUTPUT SOURCE CURRENT	0.5 mA MAX
OUTPUT SINK CURRENT	1.0 mA MAX
OUTPUT CAPACITANCE DRIVE CAPABILITY	0.01 μ F MAX
OUTPUT PERFORMANCE AT 25°C AND 5.00 VDC SUPPLY UNLESS NOTED	
NULL (0 PSIG)	2.500 $\pm$ 0.050 VDC
FULL SCALE (+50 mmHg)	4.500 $\pm$ 0.120 VDC
FULL SCALE (-50 mmHg)	0.500 VDC TYP
SPAN	4.000 VDC TYP
SENSITIVITY	40.0 mV/mmHg TYP
LINEARITY (B.F.S.L.) 	0.80% SPAN MAX
HYSTERESIS & REPEATABILITY	0.15% SPAN TYP
TEMPERATURE ERROR 1 NULL SHIFT +25° TO 0°C +25° TO +50°C	$\pm$ 1.50% SPAN MAX $\pm$ 1.50% SPAN MAX
SPAN SHIFT +25° TO 0°C +25° TO +50°C	$\pm$ 1.50% SPAN MAX $\pm$ 1.50% SPAN MAX
COMBINED NULL AND SPAN SHIFT +25° TO 0°C +25° TO +50°C	$\pm$ 1.50% SPAN MAX $\pm$ 1.50% SPAN MAX

NOTES

① TEMPERATURE ERROR IS THE MAXIMUM DEVIATION FROM 25° PERFORMANCE OVER THE ENTIRE TEMPERATURE RANGE SHOWN

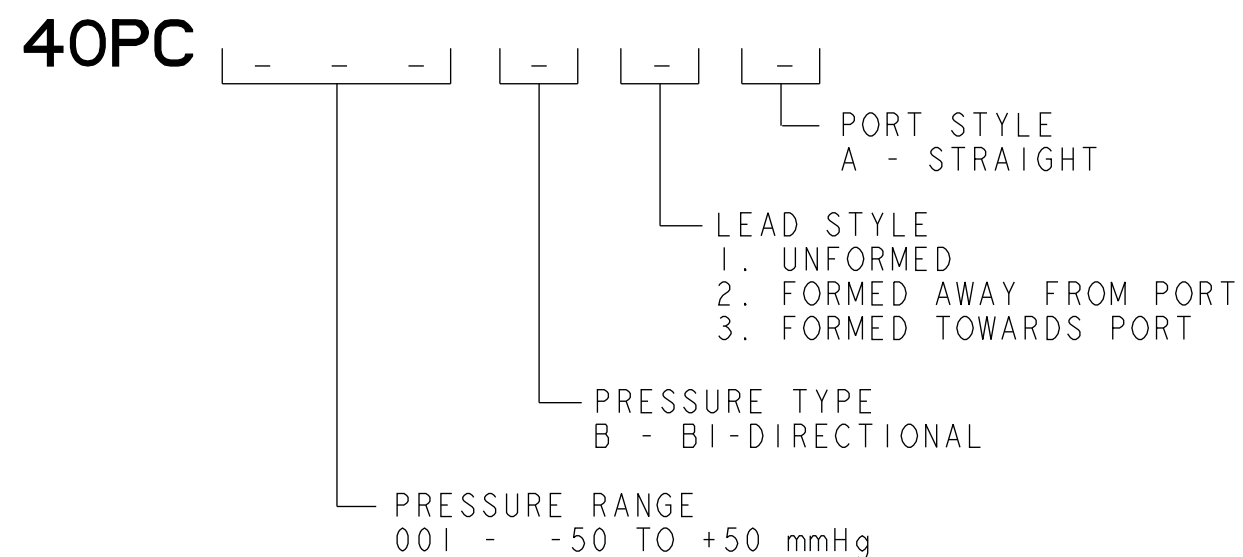
② - 1mmHg = 0.0193 psi

③ INPUT MEDIA:

 P1 - DRY GASES ONLY: MEDIA MUST BE COMPATIBLE WITH EPOXY BASED ADHESIVES

 P2 - MEDIA MUST BE COMPATIBLE WITH GLASS, SILICON, STAINLESS STEEL, INVAR, Sn/Ni PLATING OR Sn/Ag SOLDER

④ DO NOT MAKE ELECTRICAL CONNECTIONS TO PIN 4, PIN 5 OR PIN 6



CATALOG LISTING
40PC001B1A
40PC001B2A
40PC001B3A

THIS DRAWING COVERS A PROPRIETARY ITEM AND IS THE PROPERTY OF MICRO SWITCH, A DIVISION OF HONEYWELL. THIS DRAWING IS NOT TO BE COPIED OR USED WITHOUT THE APPROVAL OF MICRO SWITCH.

MICRO SWITCH
a Honeywell Division

FED. MFG. CODE 91929

PRESSURE SENSOR

CATALOG LISTING
40PC SERIES
CHART 2

THIRD ANGLE PROJECTION

SCALE	4:
-------	----

DO NOT SCALE PRINT

UNLESS OTHERWISE SPECIFIED

TOLERANCES ARE

ONE PLACE (.0) $\pm .030$

TWO PLACES (00) + 015

TWO PLACES	(.00)	2.015
THREE PLACES	(.000)	1.005

THREE PLACES (.000) $\pm .005$

WEIGHT

ANSI Y14.5M-1982 APPLIES

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[Honeywell:](#)

[40PC001B1A](#) [40PC001B2A](#)

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[Honeywell:](#)

[40PC001B1A](#) [40PC001B2A](#) [40PC001B3A](#)