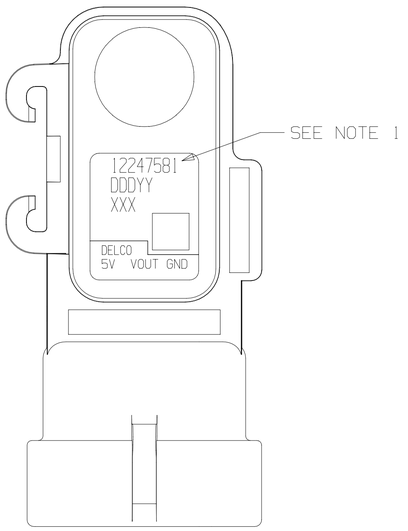
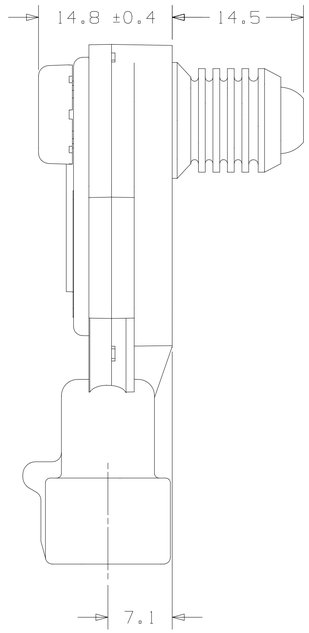
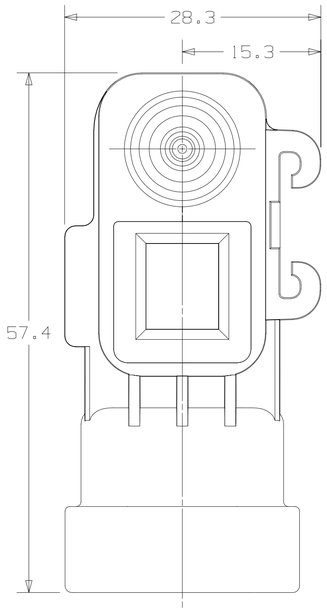
KEY PRODUCT CHARACTERISTICS			
SAFETY/COMPLIANCE	FIT/FUNCTION	TOTAL ON DRAWING	3
S/C CHECKPOINTS	F/F CHECKPOINTS	LAST NO. USED	3

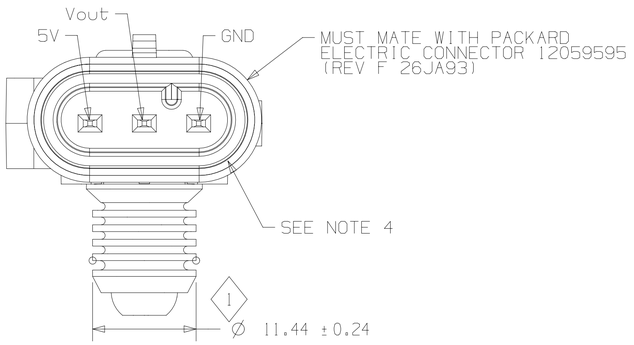
NO & TYPE	DESCRIPTION	RATIONALE	PTS	ZONE

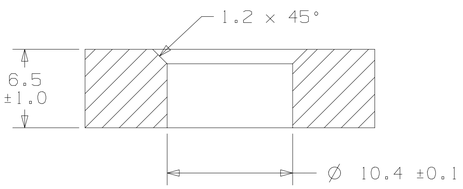
DWG STATUS					ZONE	REVISION HISTORY	AUTH	DR	APVD 1	APVD 2
DATE	STG	REV	N/P	CHG						
06FE04		A				RELEASED-PRODUCTION PER CN34806	176715			











RECOMMENDED MOUNTING HOLE

SCALE: 4/1

1. LABEL INFORMATION:

   1.1 FIRST LINE IS PART NUMBER.

   1.2 SECOND LINE IS DATE CODE. FIRST DIGIT REPRESENTS THE YEAR, THE NEXT THREE DIGITS REPRESENT THE DAY OF THE YEAR, AND THE REMAINING DIGITS REPRESENT THE LOT NUMBER OR SHIFT.

   1.3 THIRD LINE IS THE COUNTRY OF ORIGIN.

   1.4 2D MATRIX CONTAINS: THE LAST 4 DIGITS OF THE PART NUMBER; SITE CODE; SERIALIZATION

2. $V_{OUT} = V_{REF} (-0.04 * P + 0.3)$. ◇2 GAIN = -0.20V/In. H2O ±0.0057V/In. H2O. @ Vcc = 5V
   $V_{REF} = 5.0V \pm 0.1V$. = [-0.1067 V/mmHg ±0.003V/mmHg @ Vcc = 5V]
   P = PRESSURE IN In. H2O.
   $V_{OUTMAX} = V_{REF} - 0.22V \pm 0.05V$.
   $V_{OUTMIN} = 0.22V \pm 0.05V$. ◇3 OFFSET = 1.5V ± 0.2V. @ Vcc = 5V

PRESSURE ERROR IN In. H2O [mmHg]	
INPUT PRESSURE	ALLOWABLE ERROR
-15	±1.0 [±1.87]
+5	±1.0 [±1.87]

TEMPERATURE MULTIPLIER FOR ALLOWABLE PRESSURE ERROR	
TEMPERATURE	MULTIPLIER
0°	1
40°	1

3. RECOMMENDED MOUNTING PROCEDURE FOR THE PRESSURE SENSOR IS TO HAVE THE PORT POINTING DOWN WITHIN 40° OF VERTICAL. THE PRESSURE SENSOR SHOULD BE MOUNTED HIGHER THAN THE VACUUM SOURCE.

4. RECOMMENDATIONS FOR THE SENSOR CONNECTOR IF LEAK TESTED AS PART OF THE TANK ASSEMBLY IN LIQUID. ANY EXCEPTIONS SHOULD BE DISCUSSED WITH DELCO ELECTRONIC ENGINEERING.

   4.1 ELECTRICAL CONNECTOR TERMINALS SHOULD BE PROTECTED FROM LIQUID CONTACT DURING SUBMERSION TESTS USING THE RECOMMENDED PACKARD ELECTRIC CONNECTOR, 12059595 OR A SIMULATED INTERFACE.

   4.2 IF ELECTRICAL CONNECTOR TERMINALS ARE NOT PROTECTED DURING SUBMERSION TESTING, THE TANK ASSEMBLY SHOULD BE ORIENTED SUCH THAT THE SENSOR'S ELECTRICAL CONNECTOR TERMINALS ARE HORIZONTAL OR POINT DOWN FOR DRAINAGE OF LIQUID FOR A MINIMUM OF 24 HOURS AFTER TEST.

5. LEAK RATE OF THE SENSOR TO BE NO MORE THAN 0.1 SCCM AT A MAXIMUM AIR PRESSURE OF 6 PSIG WHEN APPLIED TO THE PORT SIDE OF THE SENSOR.

6. RECOMMENDATION RELATED TO THE SENSOR ATMOSPHERIC REFERENCE VENT, IF LEAK TESTED AS PART OF THE TANK ASSEMBLY IN LIQUID. ANY EXCEPTIONS SHOULD BE DISCUSSED WITH DELPHI DELCO ELECTRONICS ENGINEERING.

   6.1 STANDING LIQUID NEEDS TO BE REMOVED FROM THE VENT AREA OF THE SENSOR TO ENSURE INTEGRITY OF ATMOSPHERIC REFERENCE.

   6.2 CLEAN, DRY COMPRESSED AIR OR EQUIVALENT CAN BE USED TO BLOW OFF VENT AREA OF THE SENSOR.

FIRST USED
12247581
REFERENCE
09377680-0
REPLACES #
N/A
REPLACED BY
N/A

UNLESS OTHERWISE SPECIFIED

THIS DOCUMENT IS IN ACCORDANCE WITH ASME Y14.5M-1994 AS AMENDED BY THE GM GLOBAL DIMENSIONING AND TOLERANCING ADDENDUM-1997. ALL GEOMETRIC TOLERANCES AND RELATED DATUMS APPLY RFS. RULE #1 (PERFECT FORM AT MMC) DOES NOT APPLY WHEN RELATIONSHIP BETWEEN FEATURES IS ESTABLISHED BY ORIENTATION OR LOCATION TOLERANCES. SEPARATE POSITION CALLOUTS MAY BE GAGED SEPARATELY REGARDLESS OF DATUM REFERENCES.

ALL DIMENSIONS ARE IN MILLIMETERS

ZERO PLACE DECIMALS ± NA
ONE PLACE DECIMALS ± 0.3
TWO PLACE DECIMALS ± 0.15

ANGLES ±2 DEGREE

REFERENCE
P/SNSR,FV

THIRD ANGLE PROJECTION

DO NOT SCALE
USE MATH DATA

UNIGRAPHICS NX V1.0

DIST: N/A

DELPHI

DELPHI ELECTRONICS & SAFETY

		DATE
DR	DEREK DELRYMPLE	06FE04
APVD1	RICH LONGSTREET	06FE04
APVD2	CHOU LAI HAR	06FE04
APVD3	NA	
APVD4	NA	
APVD5	NA	

SUBSTANCES OF CONCERN AND RECYCLED CONTENT PER DELPHI 10949001

MATERIAL
NA

DRAWING NAME
OUTLINE-P/SNSR,FV

DRAWING NUMBER
12247581

SIZE	SCALE	FRAME NO	SHEET NO	STG	REV	N/P
A1	3/1	1 OF 1	1 OF 1		A	

OUT/UG