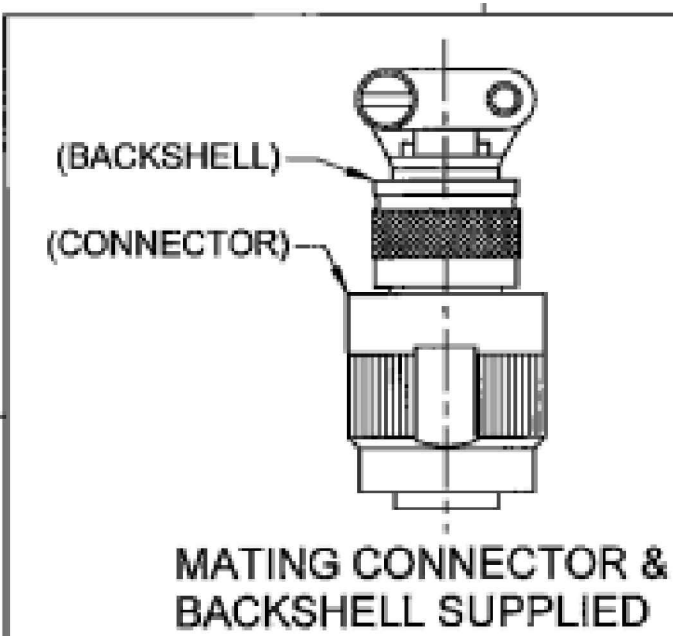




(BACKSHELL)

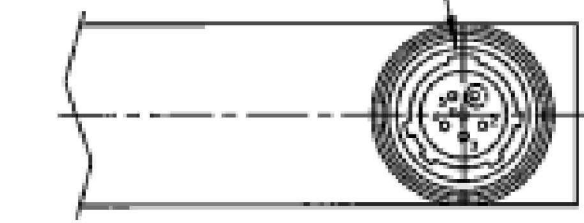
(CONNECTOR)

MATING CONNECTOR & BACKSHELL SUPPLIED

SPECIFICATIONS

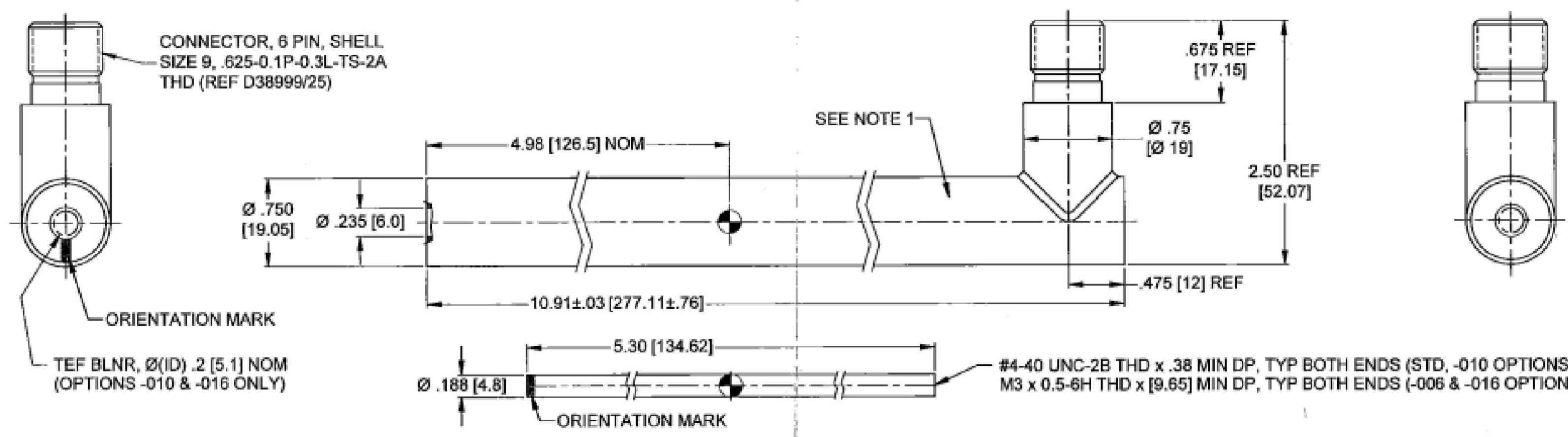
INPUT VOLTAGE	3.0 V rms (NOM)
INPUT FREQUENCY	2.5 KHz(NOM)
ELECTRICAL STROKE(IN)	±2.00 INCHES (STD,-010 OPTIONS)
SENSITIVITY(IN)	0.20 mV/V/.001 INCH NOM(STD,-010)
ELECTRICAL STROKE(mm)	±50.00mm (-006,-016 OPTIONS)
SENSITIVITY(mm)	8.0 Mv/V/mm NOM (-006,-016)
LINEARITY ERROR	±0.25% OF FULL RANGE (MAX)
PHASE SHIFT	0°
IMPEDANCE	
PRIMARY	575 OHM (NOM)
SECONDARY	281 OHM (NOM)
OPERATING TEMP	-65° TO 400°F (-55° TO 200°C)
SHOCK SURVIVAL	1000 g, 11 ms
VIBRATION	20 g UP TO 2000 Hz

KEY (CONNECTOR)
NOT ORIENTATED TO
ANY UNIT FEATURE



PARTIAL TOP VIEW (CONN)

REVISIONS	DWG NO.	010914750000		
ZONE	REV	DESCRIPTION	DATE	APPROVED
--	--	INITIAL RELEASE	13-JUL-2015	DSC



CONNECTOR, 6 PIN, SHELL
SIZE 9, .625-0.1P-0.3L-TS-2A
THD (REF D38999/25)

ORIENTATION MARK

TEF BLNR, Ø(ID) .2 [5.1] NOM
(OPTIONS -010 & -016 ONLY)

SEE NOTE 1

Ø .750 [19.05]

Ø .235 [6.0]

4.98 [126.5] NOM

10.91±.03 [277.11±.76]

5.30 [134.62]

Ø .188 [4.8]

ORIENTATION MARK

Ø .75 [Ø 19]

.675 REF [17.15]

2.50 REF [52.07]

.475 [12] REF

#4-40 UNC-2B THD x .38 MIN DP, TYP BOTH ENDS (STD, -010 OPTIONS)
M3 x 0.5-6H THD x [9.65] MIN DP, TYP BOTH ENDS (-006 & -016 OPTIONS)

NOTES:

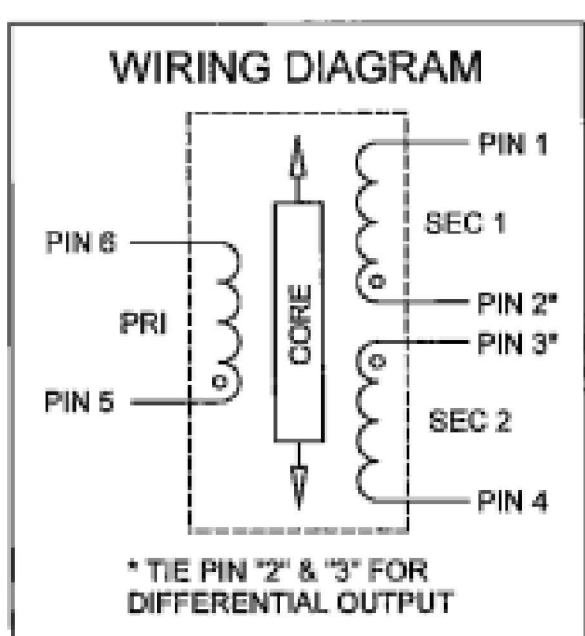
1. ELECTRO-ETCH UNIT (APPROX AREA AS SHOWN) WITH THE FOLLOWING;
MACRO SENSORS
PENNSAUKEN, NJ
HPGS-750-2000-XXX
SN XXXXXX

MODEL OPTION, SEE TABLE AND NOTE 2

2. LAST 3 DIGITS OF MODEL DESIGNATION SPECIFIES A OPTION. OMIT LAST 3 DIGITS & DASH FOR STANDARD (STD) INCH MODEL, SEE TABLE.

3. TEF BLNR = TEFLON BORELINER (SEE TABLE, OPTIONS -010 & -016).

WIRING DIAGRAM



PIN 1

SEC 1

PIN 2*

PIN 3*

SEC 2

PIN 4

PIN 5

PRI

PIN 8

CORE

* TIE PIN "2" & "3" FOR DIFFERENTIAL OUTPUT

⊙ DENOTES CENTER OF CORE @ ELECTRICAL ZERO

[] DENOTES MILLIMETER

MODEL DESIGNATION	PART NUMBER	MODEL DESCRIPTION (OPTION REF)
HPGS-750-2000	010314750000	±2.00 INCH STROKE/#4-40 THD CORE (STD, SEE NOTE 2)
HPGS-750-2000-006	010314750006	±50.0mm STROKE/M3 THD CORE (-006)
HPGS-750-2000-010	010314750010	±2.00 INCH STROKE/TEF BLNR/#4-40 THD CORE (-010)
HPGS-750-2000-016	010314750016	±50.0mm STROKE/TEF BLNR/M3 THD CORE (-016)

UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES.

TOLERANCES ARE:

ANGLES: ±2° FRACTIONS: ±1/64

DECIMALS: .XX ± .010 .XXX ± .003

MATERIAL:

FINISH:

DRAWN: DSC

CHECKED:

APPROVED: DSC

DATE: 13-JUL-2015

DATE: 13-JUL-2015

DATE:

MACRO SENSORS
856-662-8000
WWW.MACROSENSORS.COM

TITLE:
OUTLINE, HPGS-750-2000 SERIES
OPTIONS, (STD), -006, -010, & -016

SIZE: B

PSCM NO: 06WV0

DWG NO: 010914750000

REV: --

SCALE: NTS (1/1)

TURBOCAD

SHEET NO: 1 OF 1

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THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS:	TOLERANCES, UNLESS OTHERWISE SPECIFIED:
INCHES	0 PLC ± -
	1 PLC ± -
	2 PLC ± -
	3 PLC ± -
	4 PLC ± -
	ANGLES ± -
MATERIAL	FINISH

DWN

CHK

APVD

PRODUCT SPEC

APPLICATION SPEC

WEIGHT

CUSTOMER DRAWING

NAME

SIZE

CAGE CODE

DRAWING NO

RESTRICTED TO

SCALE

NTS

SHEET

1 OF 1

REV

TE TE Connectivity

OUTLINE, HPGS-750-2000 SERIES
OPTIONS, (STD), -006, -010, & -016

A2 00779 C=010914750000

1471-9 (1/15)