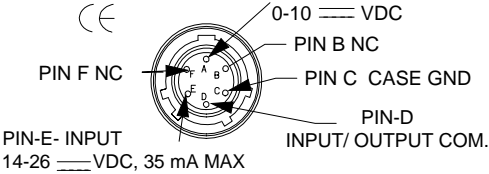


REVISIONS

REV.	DESCRIPTION	DATE:	APPR.
A	ADD -210 SERIES PER ECN 1017, A.L.J. 09/11/07	09/18/07	M.F.G.
B	ADDED UL DETAILS TO ETCHING, ECR 1027 R.E.A. 10/23/07	11/09/07	M.F.G.
C	REFORMAT / ADD LINEARITY ERROR OPTION ±0.1%, PER ECN 1082 A.L.J.	02/21/08	M.F.G.
D	REVISED PER ECN# 2130		
E	REVISED PER ECO 12095	06/24/20	

- NOTES:
- ELECTRO-ETCH THE FOLLOWING:
TE CONNECTIVITY
HERMOSILLO, MEXICO
HSE 750 XXXX
SERIAL NO. XXXXX
CAUTION! DO NOT CONNECT TO PIN B
 - ELECTRO-ETCH CONNECTOR INFO ON BODY OF UNIT ("CE" REQUIRED) AS FOLLOWS:
 - SEE SHT 2 FOR PART NO. MATRIX.
 - T B/L = TEFLON BORLINER
 - DIM "S" = CORE @ ZERO VOLTAGE OUTPUT POSITION

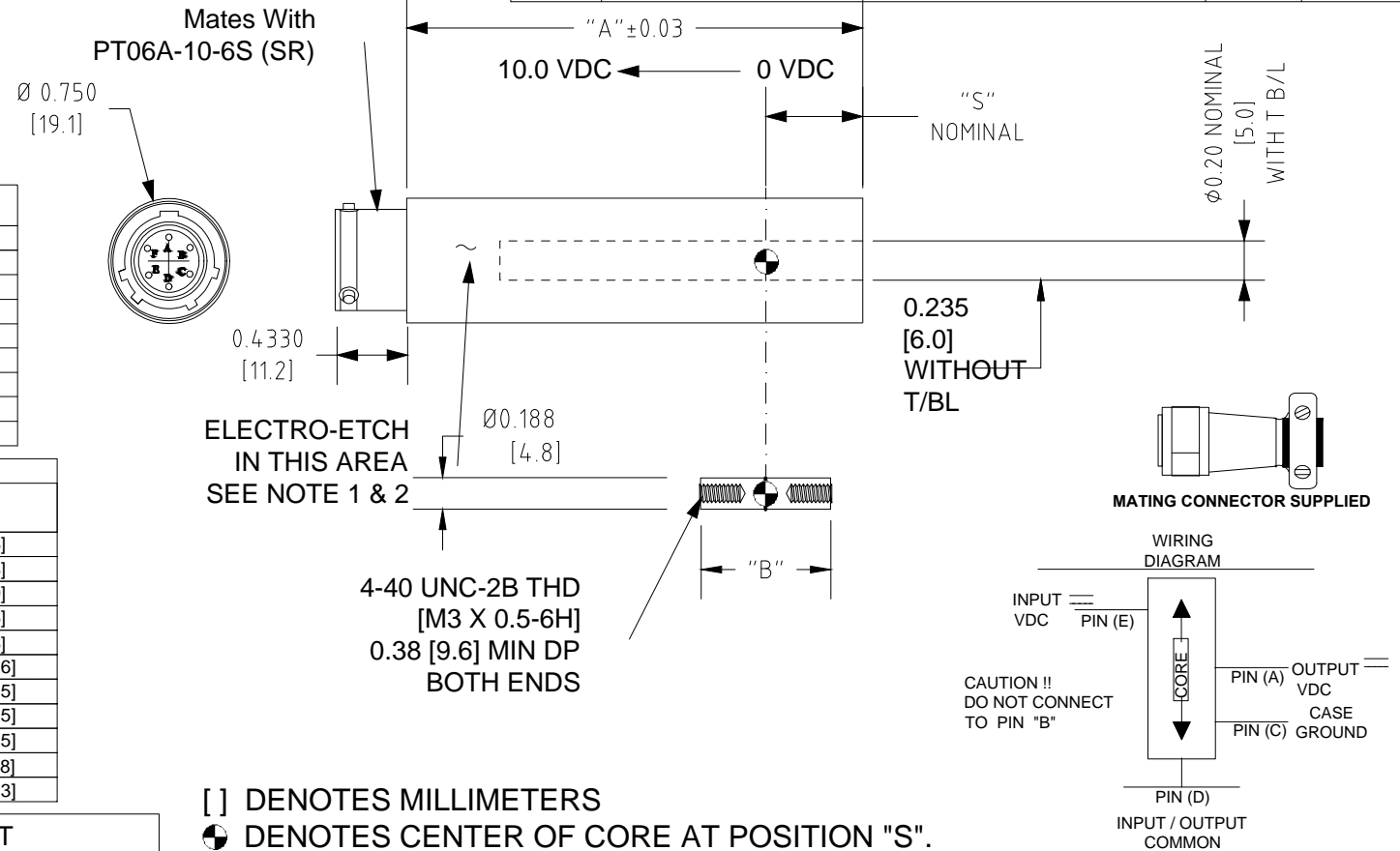
2. ELECTRO-ETCH CONNECTOR INFO ON BODY OF UNIT ("CE" REQUIRED) AS FOLLOWS:



COMMON SPECIFICATION	
INPUT VOLTAGE	24V DC (NOM)
INPUT VOLTAGE RANGE	14-26 VDC
INPUT CURRENT	35 mA (MAX)
OUTPUT VOLTAGE	0-10 VDC ±2% FULL RANGE
LINEARITY ERROR (STD)	±0.25% OF FULL RANGE (MAX)
LINEARITY ERROR (-200 OPTIONS)	±0.1% OF FULL RANGE (MAX)
NOISE RIPPLE	< 5 MICRO VOLTS RMS
OPERATING TEMPERATURE	-20°C to +85°C (0 TO 185°F)
OUTPUT IMPEDANCE	<200 OHMS

DESCRIPTION	LTR DIMENSIONS		
	BODY DIM "A" ±0.03	DIM "S" NOMINAL	CORE DIM "B"
HSE 750 100	2.86 [72.6]	0.58 [14.61]	0.800 [20.3]
HSE 750 250	3.48 [88.39]	1.01 [25.65]	1.250 [31.8]
HSE 750 500	4.25 [107.95]	1.07 [27.28]	1.650 [41.9]
HSE 750 1000	6.70 [170.2]	2.07 [52.58]	3.450 [87.6]
HSE 750 2000	8.20 [208.3]	2.32 [58.98]	3.450 [87.6]
HSE 750 4000	11.71 [298.2]	3.07 [78.0]	5.300 [134.6]
HSE 750 6000	14.45 [367.0]	3.29 [83.64]	6.200 [159.5]
HSE 750 8000	16.95 [430.5]	3.65 [92.71]	6.200 [157.5]
HSE 750 10000	19.45 [492.8]	3.94 [100.10]	6.200 [157.5]
HSE 750 15000	25.01 [635.25]	4.03 [102.36]	7.000 [177.8]
HSE 750 20000	32.38 [822.45]	5.42 [137.67]	9.500 [241.3]

SPECIFICATIONS FOR DISPLACEMENT				
DESCRIPTION	STANDARD		METRIC	
	ELECTRICAL STROKE	SCALE FACTOR V/INCH (NOM.)	ELECTRICAL STROKE	SCALE FACTOR V/mm (NOM.)
HSE 750 100	0 - 0.10 INCH	100 VDC	0 - 2.5 mm	4.0 VDC
HSE 750 250	0 - 0.25 INCH	40 VDC	0 - 6.0 mm	1.67 VDC
HSE 750 500	0 - 0.50 INCH	20 VDC	0 - 12.5 mm	0.8 VDC
HSE 750 1000	0 - 1.0 INCH	10 VDC	0 - 25 mm	0.4 VDC
HSE 750 2000	0 - 2.0 INCH	5.0 VDC	0 - 50 mm	0.2 VDC
HSE 750 4000	0 - 4.0 INCH	2.5 VDC	0 - 100 mm	0.1 VDC
HSE 750 6000	0 - 6.0 INCH	1.67 VDC	0 - 150 mm	0.067 VDC
HSE 750 8000	0 - 8.0 INCH	1.25 VDC	0 - 200 mm	0.05 VDC
HSE 750 10000	0 - 10.0 INCH	1.0 VDC	0 - 250 mm	0.04 VDC
HSE 750 15000	0 - 15.0 INCH	0.67 VDC	0 - 375 mm	0.027 VDC
HSE 750 20000	0 - 20.0 INCH	0.5 VDC	0 - 500 mm	0.02 VDC



[] DENOTES MILLIMETERS

☉ DENOTES CENTER OF CORE AT POSITION "S".

UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE IN INCHES TOLERANCES ARE:

ANGLES: ±0.5° FRACTIONS: ±1/64

DECIMALS XX = ±.01 XXX = ±.005

This Drawing and Specifications are the property of Macro Sensors, Div. of Howard A. Schaevitz Technologies, Inc. DO NOT COPY without the written approval of Macro Sensors.

FINISH:

DRAFTER: A.L.J. DATE: 09 JUL 07

CHECKER: DATE:

APPROVED: M.F.G. DATE: 31 JUL 07

APPROVED: DATE:

APPROVED: DATE:



TITLE: **OUTLINE HSE 750 SERIES**

C.A.G.E. NO. **A 06WW0** DRAWING NO. **02097XXXXXXX**

SCALE: NONE SHEET NO: 1 OF 2

REVISIONS

REV.	DESCRIPTION	DATE:	APPR.
	FOR REVISION, SEE SHT 1		

MODEL OPTIONS (STD. - 016)

STANDARD		METRIC DISPL. / METRIC CORE (-006)		TEFLON BORELINER (-010)		METRIC CORE + TEFLON BORLINER (-016)	
DESCRIPTION	PART NO.	DESCRIPTION	PART NO.	DESCRIPTION	PART NO.	DESCRIPTION	PART NO.
HSE 750 100	0203 7000 0000	HSE 750 100-006	0203 7000 0006	HSE 750 100-010	0203 7000 0010	HSE 750 100-016	0203 7000 0016
HSE 750 250	0203 7010 0000	HSE 750 250-006	0203 7010 0006	HSE 750 250-010	0203 7010 0010	HSE 750 250-016	0203 7010 0016
HSE 750 500	0203 7020 0000	HSE 750 500-006	0203 7020 0006	HSE 750 500-010	0203 7020 0010	HSE 750 500-016	0203 7020 0016
HSE 750 1000	0203 7030 0000	HSE 750 1000-006	0203 7030 0006	HSE 750 1000-010	0203 7030 0010	HSE 750 1000-016	0203 7030 0016
HSE 750 2000	0203 7040 0000	HSE 750 2000-006	0203 7040 0006	HSE 750 2000-010	0203 7040 0010	HSE 750 2000-016	0203 7040 0016
HSE 750 4000	0203 7050 0000	HSE 750 4000-006	0203 7050 0006	HSE 750 4000-010	0203 7050 0010	HSE 750 4000-016	0203 7050 0016
HSE 750 6000	0203 7060 0000	HSE 750 6000-006	0203 7060 0006	HSE 750 6000-010	0203 7060 0010	HSE 750 6000-016	0203 7060 0016
HSE 750 8000	0203 7070 0000	HSE 750 8000-006	0203 7070 0006	HSE 750 8000-010	0203 7070 0010	HSE 750 8000-016	0203 7070 0016
HSE 750 10000	0203 7080 0000	HSE 750 10000-006	0203 7080 0006	HSE 750 10000-010	0203 7080 0010	HSE 750 10000-016	0203 7080 0016
HSE 750 15000	0203 7090 0000	HSE 750 15000-006	0203 7090 0006	HSE 750 15000-010	0203 7090 0010	HSE 750 15000-016	0203 7090 0016
HSE 750 20000	0203 7100 0000	HSE 750 20000-006	0203 7100 0006	HSE 750 20000-010	0203 7100 0010	HSE 750 20000-016	0203 7100 0016

MODEL OPTIONS (200 - 216) (±0.1%)

LINEARITY ERROR ±0.1% (-200)		METRIC DISPL. / METRIC CORE (-206)		TEFLON BORELINER (-210)		METRIC CORE + TEFLON BORLINER (-216)	
DESCRIPTION	PART NO.	DESCRIPTION	PART NO.	DESCRIPTION	PART NO.	DESCRIPTION	PART NO.
HSE 750 100-200	0203 7000 0200	HSE 750 100-206	0203 7000 0206	HSE 750 100-210	0203 7000 0210	HSE 750 100-216	0203 7000 0216
HSE 750 250-200	0203 7010 0200	HSE 750 250-206	0203 7010 0206	HSE 750 250-210	0203 7010 0210	HSE 750 250-216	0203 7010 0216
HSE 750 500-200	0203 7020 0200	HSE 750 500-206	0203 7020 0206	HSE 750 500-210	0203 7020 0210	HSE 750 500-216	0203 7020 0216
HSE 750 1000-200	0203 7030 0200	HSE 750 1000-206	0203 7030 0206	HSE 750 1000-210	0203 7030 0210	HSE 750 1000-216	0203 7030 0216
HSE 750 2000-200	0203 7040 0200	HSE 750 2000-206	20007644-15	HSE 750 2000-210	0203 7040 0210	HSE 750 2000-216	0203 7040 0216
HSE 750 4000-200	0203 7050 0200	HSE 750 4000-206	0203 7050 0206	HSE 750 4000-210	0203 7050 0210	HSE 750 4000-216	0203 7050 0216
HSE 750 6000-200	0203 7060 0200	HSE 750 6000-206	0203 7060 0206	HSE 750 6000-210	0203 7060 0210	HSE 750 6000-216	0203 7060 0216
HSE 750 8000-200	0203 7070 0200	HSE 750 8000-206	0203 7070 0206	HSE 750 8000-210	0203 7070 0210	HSE 750 8000-216	0203 7070 0216
HSE 750 10000-200	0203 7080 0200	HSE 750 10000-206	0203 7080 0206	HSE 750 10000-210	0203 7080 0210	HSE 750 10000-216	0203 7080 0216
HSE 750 15000-200	0203 7090 0200	HSE 750 15000-206	0203 7090 0206	HSE 750 15000-210	0203 7090 0210	HSE 750 15000-216	0203 7090 0216
HSE 750 20000-200	0203 7100 0200	HSE 750 20000-206	0203 7100 0206	HSE 750 20000-210	0203 7100 0210	HSE 750 20000-216	0203 7100 0216

**UNLESS OTHERWISE SPECIFIED
ALL DIMENSIONS ARE IN INCHES
TOLERANCES ARE:**

ANGLES: FRACTIONS:
±0.5° ±1/64

DECIMALS
XX = ±.01
XXX = ±.005

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TITLE:
OUTLINE
HSE 750 SERIES

A **C.A.G.E. NO.** 06WW0 **DRAWING NO.** 02097XXXXXXX

SCALE: NONE **SHEET NO:** 2 OF 2