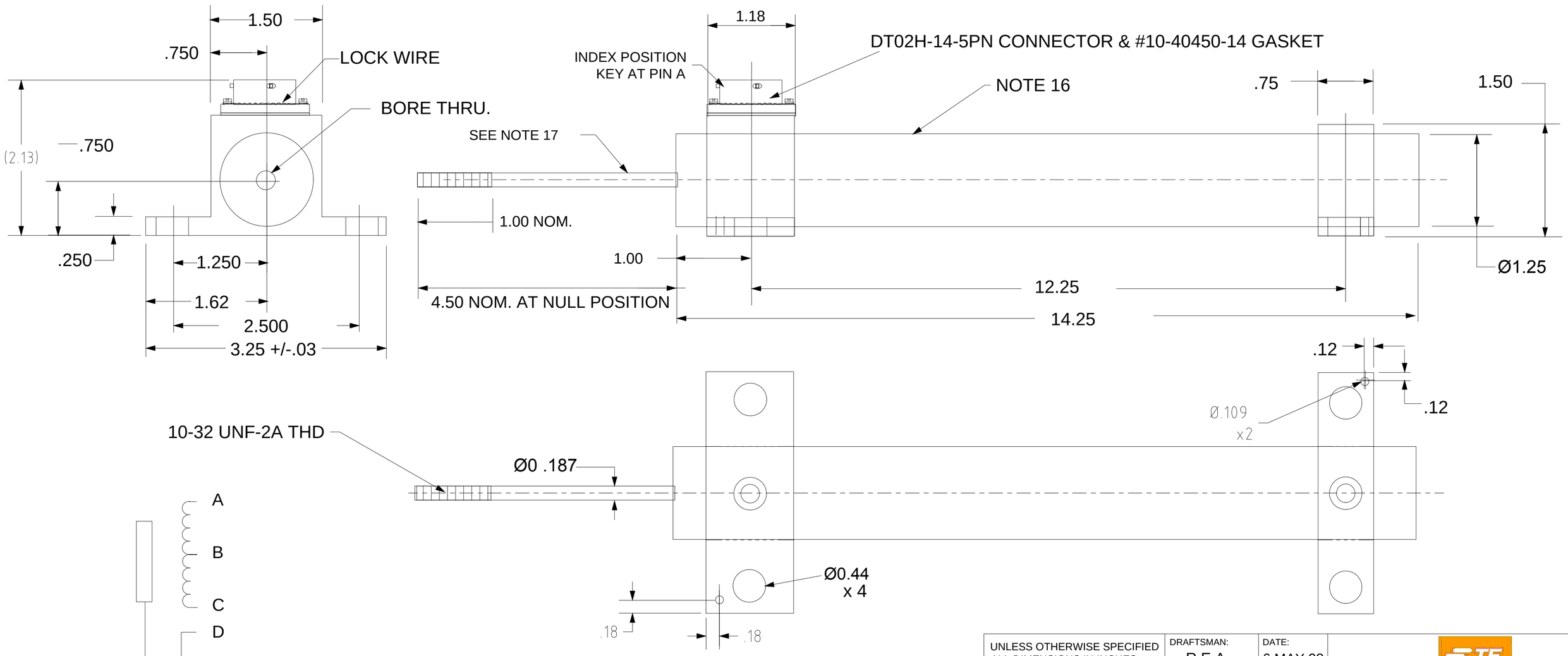
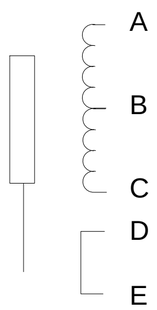
SPECIFICATIONS:
1. EXCITATION: 20 VOLTS P-P 7.07V RMS, 3000 HZ
2. LINEAR STROKE : ±3.00 INCHES
3. SENSITIVITY : 0.11 V/VOLT/INCH +10% / -5%
4. NULL VOLTAGE: .068 VOLTS MAX.
5. PHASE SHIFT: 11° (NOM.) ±5°
6. PHASE SHIFT CHANGE OVER LINEAR RANGE: 5° MAX.
7. LINEARITY : ±1.0 % FULL STROKE, ±1.5% AT 110% FULL STROKE
8. IMPEDANCE : 600 ±100 OHMS, PINS A-C, CORE AT MID-POSITION (NULL)
9. TEMPERATURE RANGE: -65° TO +300° F
10. VIBRATION: 0.5 INCH SINGLE AMPLITUDE 0 TO 20 HZ, 50 G'S TO 2000 HZ
11. MAGNETICALLY SHIELDED
12. INSULATION RESISTANCE: 10 MEGOHMS MIN.@ 500 VOLTS DC
13. DIELECTRIC STRENGTH: 500 VRMS, 500 MICROAMP MAX LEAKAGE
14. PHASING:
THE DIRECTIONAL SENSE FOR THIS POSITION SENSOR IS DEFINED AS FOLLOWS: WITH THE 10-32 UNF EXTERNALLY THREADED END OF THE CORE EXTENSION ROD PROJECTING OUT OF THE END OF THE SENSOR NEAREST TO THE CONNECTOR, IF THE END OF THIS ROD IS MOVED FROM THE SENSOR'S "NULL" (MID-STROKE) POSITION INWARD TOWARD THE CONNECTOR, THE AC VOLTAGE BETWEEN PINS (A) AND (B) WILL INCREASE.
15. THE MACRO SENSORS VRT-1250 SERIES POSITION SENSOR IS EXCLUDED FROM THE EMC DIRECTIVE 2004/108/EC. THE VRT-1250 SERIES IS INHERENTLY BENIGN EQUIPMENT; A. IT'S INHERENT PHYSICAL CHARACTERISTICS ARE SUCH THAT IT IS INCAPABLE OF GENERATING OR CONTRIBUTING TO THE ELECTROMAGNETIC EMISSIONS WHICH EXCEED A LEVEL WHICH WOULD INTERFERE WITH THE OPERATIONS OF RADIO AND TELECOMMUNICATIONS EQUIPMENT. B. IT WILL OPERATE WITHOUT UNACCEPTABLE DEGRADATION THE PRESENCE OF ELECTROMAGNETIC DISTURBANCES NORMALLY PRESENT IN ITS INTENDED ENVIRONMENT. C. IT CONTAINS NO ACTIVE ELECTRONIC PARTS.
16. MARK THE FOLLOWING:
TE CONNECTIVITY
HERMOSILLO, MEXICO
TYPE VRT 1250-3000-0269
GE PART NO. 196C8768P0002 REV H
S/N xxxxx
M S PART NO. 015320003300
17. ETCH CORE ROD WITH MATCHING SERIAL NUMBER.

REVISIONS

REV.	DESCRIPTION:	DATE:	APPR.
A	REVISED PER ECR/ECN # 468 ADDED INDEX POSITION	02/08/02	R.E.A.
B	REVISED PER ECR/ECN #573 4.5 WAS 3.5.	02/07/03	R.E.A.
C	REVISED PER ECR/ECN # 739	11/22/05	R.E.A.
D	REVISED PER ECR/ECN # 750	03/28/06	M.F.G.
E	REVISED PER ECR/ECN # 884	01/24/07	A.L.J.
F	REVISED PER ECR/ECN # 1915 (2.13) WAS (2.06)	07/16/13	LHP
G	REVISED PER ECR/ECN # 1934 (R.E.A.C.H REQ'T)	07/16/13	
G1	REDRAWN WITH NO CHANGES	11/02/20	





WIRING

NOTE: CORE CONNECTED TO EXTENSION ROD BY A THREADED & BRAZED JOINT.

MATERIAL:

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UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS IN INCHES.
TOLERANCES:

ANGLES: +/- 0.5 DEGR.
FRACTIONS: +/- 1/64

DECIMAL:
.XX = +/- .01 INCH
.XXX= +/- .005 INCH

FINISH: 63

DRAFTSMAN: R.E.A.	DATE: 6 MAY 98	
CHECKER:	DATE:	
APPROVED:	DATE:	
APPROVED:	DATE:	
APPROVED:	DATE:	

TE connectivity
EVERY CONNECTION COUNTS

TITLE: VRT 1250-3000-0269 OUTLINE

B	C.A.G.E. No. 06WWO	DRAWING NO. 015920003300
	SCALE: NONE	SHEET 1 OF 1

T CAD