

NOTICE - WHEN GOVERNMENT DRAWINGS, SPECIFICATIONS, OR OTHER DATA ARE USED FOR ANY PURPOSE OTHER THAN IN CONNECTION WITH A DEFINITELY RELATED GOVERNMENT PROCUREMENT OPERATION, THE UNITED STATES GOVERNMENT THEREBY INCURS NO RESPONSIBILITY FOR ANY OBLIGATION WHATSOEVER, AND THE FACT THAT THE GOVERNMENT MAY HAVE FORMULATED, FURNISHED, OR IN ANY WAY SUPPLIED THE SAID DRAWINGS, SPECIFICATIONS OR OTHER DATA IS NOT TO BE REGARDED BY IMPLICATION OR OTHERWISE AS IN ANY MANNER LICENSING THE HOLDER OR ANY OTHER PERSON OR CORPORATION, OR CONVEYING ANY RIGHTS OR PERMISSION TO MANUFACTURE, USE, OR SELL ANY PATENTED INVENTION THAT MAY IN ANY WAY BE RELATED THERETO.

6929001

REVISIONS			
SYM	DESCRIPTION	DATE	APPROVAL
A	REVISED PER TDR 00101	11/21/62	WLR

NOTES:

1. REQUIREMENTS:

- A. THIS DEVICE SHALL MEET THE MATERIAL AND WORKMANSHIP REQUIREMENTS OF MIL-S-19500.
- B. LEAD MATERIAL SHALL BE IN ACCORDANCE WITH NASA DOCUMENT PS 1015402 EXCEPT LEAD DIAMETERS SHALL BE AS FOLLOWS:
- (1) THE LEAD DIAMETER IN THE ZONE BETWEEN .050 AND .250 FROM THE BASE SEAT SHALL BE .016 PLUS .003 MINUS .000; IN THE ZONE BETWEEN .250 AND 1.5 FROM THE BASE SEAT SHALL BE .021 MAX, AND IN ALL OTHER ZONES SHALL BE UNCONTROLLED.
- C. UNITS SHALL BE HERMETICALLY SEALED IN A METAL CASE.
- D. UNITS SHALL MEET THE TEST REQUIREMENTS AS SPECIFIED IN ND 1002019.

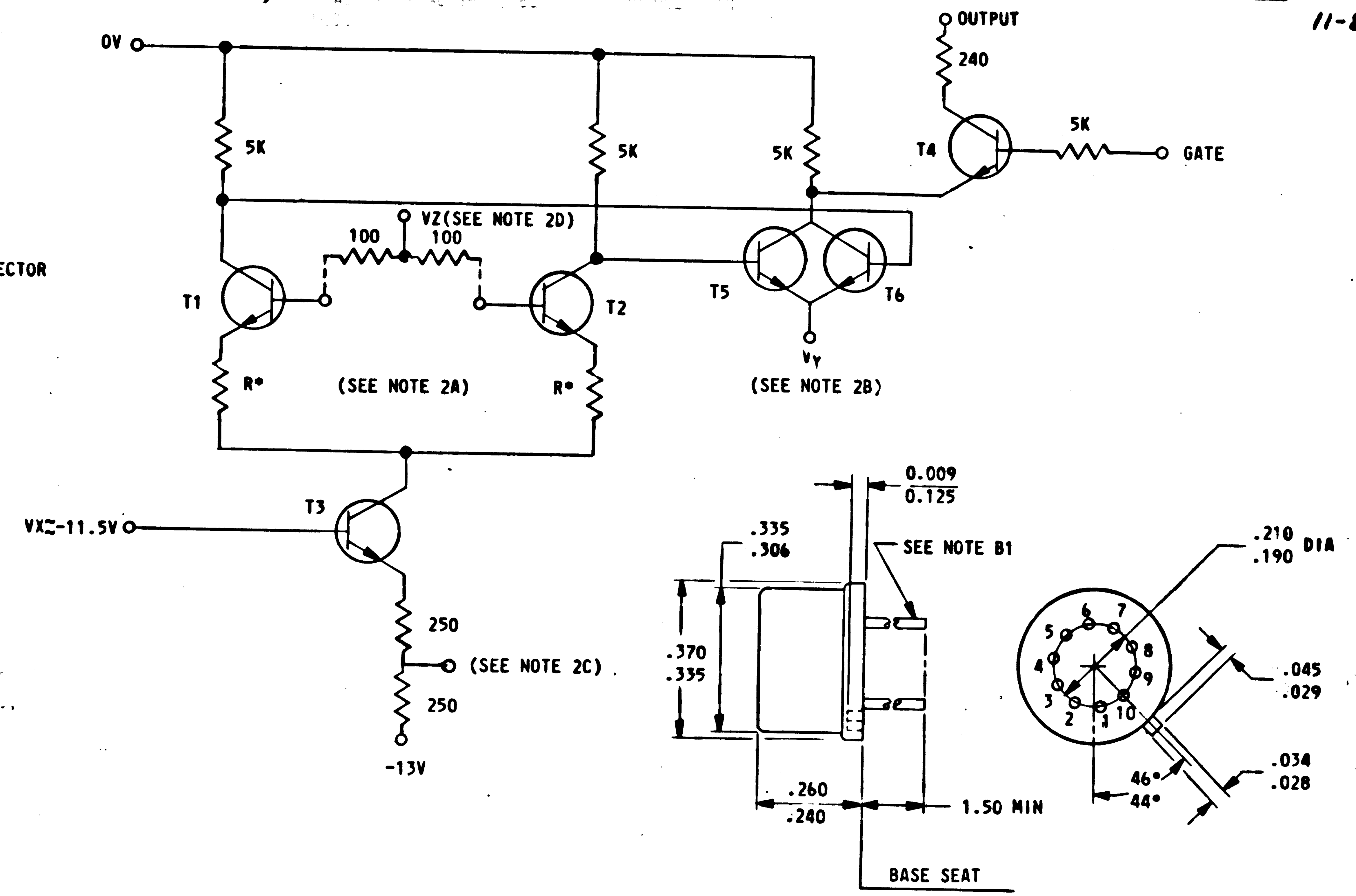
- E. QUALITY ASSURANCE PROVISIONS SHALL BE IN ACCORDANCE WITH NASA DOCUMENT ND 1015404 SECTION I.
- F. PREPARATION FOR DELIVERY SHALL BE IN ACCORDANCE WITH MIL-S-19491.

2. EXPLANATORY NOTES FOR SCHEMATIC:

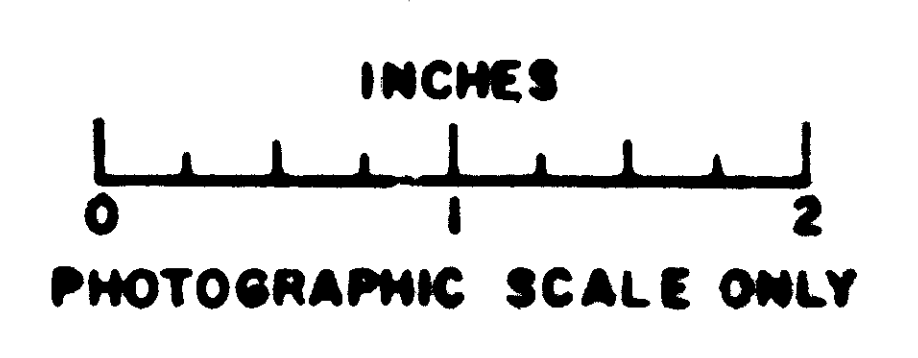
- A. R^* IS THE EMITTER DEGENERATION REQUIRED TO BALANCE THE D.C. COLLECTOR VOLTAGES OF T_1 AND T_2 AND TO GET THE REQUIRED DIFFERENTIAL GAIN.
- B. V_Y IS ADJUSTABLE TO SET SENSING THRESHOLD. $-6V \leq V_Y \leq -4V$
- C. AN EXTERNAL RESISTOR MIGHT BE ADDED AT THIS POINT TO MATCH SENSE AMPLIFIERS IF ANALYSIS SHOWS IT TO BE NECESSARY.
- D. VZ AND ITS ACCOMPANYING 100 Ω RESISTORS MAY NOT BE USED ON SOME SENSE AMPLIFIERS. WHEN THEY ARE SPECIFIED TO BE USED THEY WILL BE CONNECTED AS SHOWN BY THE DOTTED LINES.
- B. INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327.

FOR INFORMATION ONLY

CLASS B RELEASE TDR No. 00085 DATE 11-8-62



FOR SOURCE OF SUPPLY
SEE QUALIFIED VENDOR LIST
ND



QTY REQD	PART OR IDENTIFYING NO.	NOMENCLATURE OR DESCRIPTION	FIND NO.
LIST OF MATERIALS			
MIT INSTRUMENTATION LAB CAMBRIDGE, MASS. CONTRACT		MANNED SPACECRAFT CENTER HOUSTON, TEXAS	
DRAWN <i>Roy Wheeler</i> DATE 5 Nov 62 CHECKED <i>W. J. Meyer</i> 6 Nov 62 APPROVAL <i>W. J. Meyer</i> 7 Nov 62 APPROVAL <i>Edna C. Hall</i> 7 Nov 62		SEMICONDUCTOR DEVICE, SENSE AMPLIFIER SPECIFICATION CONTROL DRAWING	
NASA APPROVAL <i>W. J. Meyer</i> 11-8-62 MIT APPROVAL <i>W. J. Meyer</i> 11/8/62		CODE IDENT NO. SIZE C	NASA DRAWING NO. 1006769
NEXT ASSY USED ON APPLICATION		SCALE NONE WT	SHEET 1 OF 1