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1006769

REVISIONS			
SYM	DESCRIPTION	DATE	APPROVAL
E	REPLACES REV D WITH CHANGE PER TDRR 00513		WK

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 1002017.

- 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.

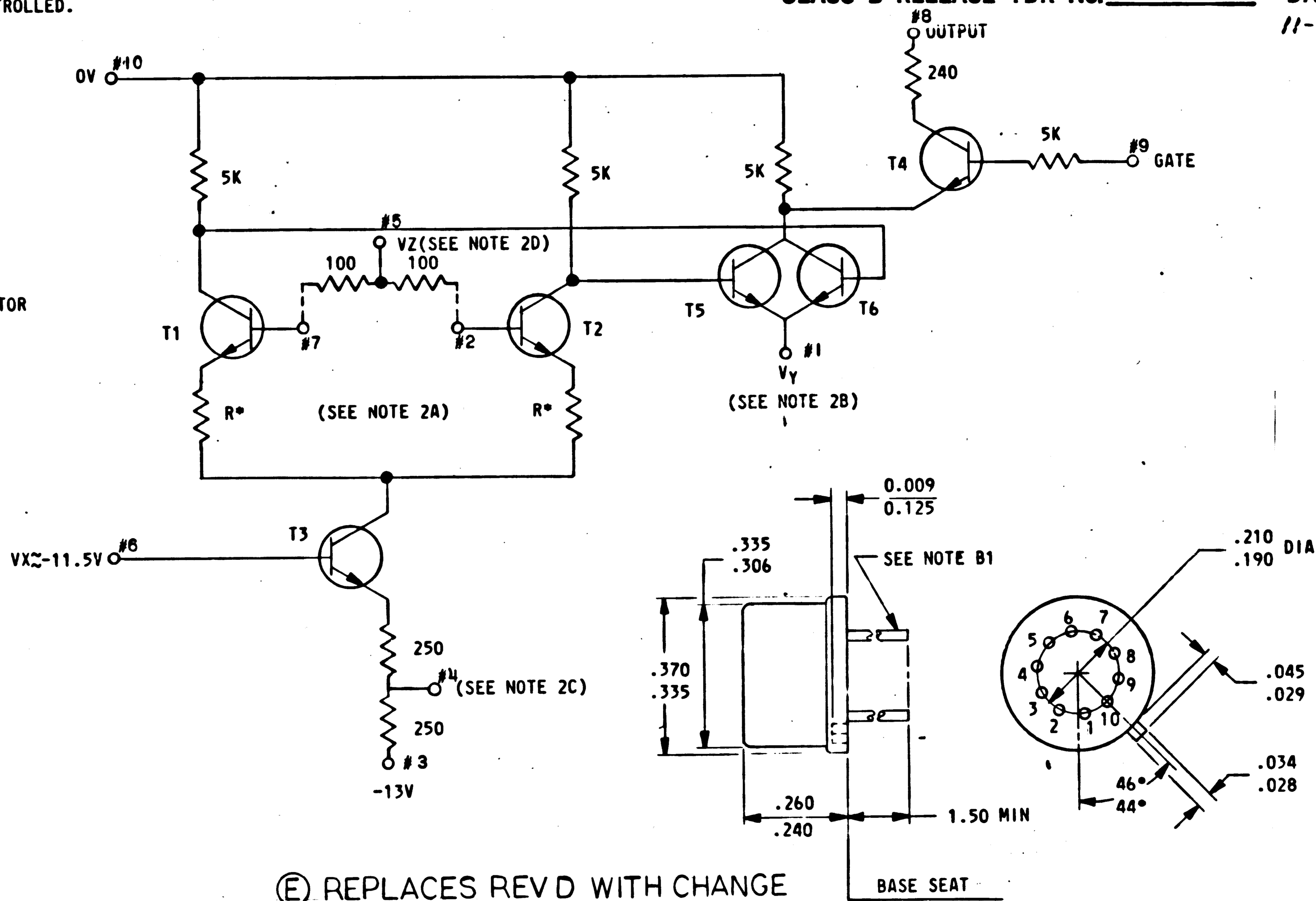
2. EXPLANATORY NOTES FOR SCHEMATIC:

- 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. V_Z AND ITS ACCOMPANYING 100Ω 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.

3. INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327.

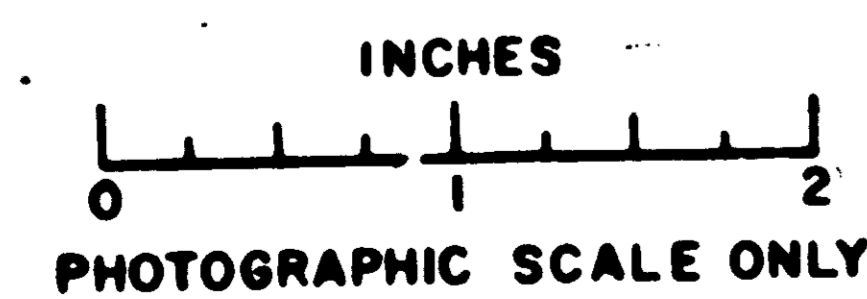
FOR INFORMATION ONLY

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



ⓔ REPLACES REV D WITH CHANGE

FOR SOURCE OF SUPPLY
SEE QUALIFIED VENDOR LIST
ND 1002034



MASTER

MASTER

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	
TOLERANCES ON	
FRACTIONS	DECIMALS ANGLES
±	± ±
DO NOT SCALE THIS DRAWING	
MATERIAL	
HEAT TREATMENT	
NEXT ASSY	USED ON
FINAL FINISH	
APPLICATION	

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