

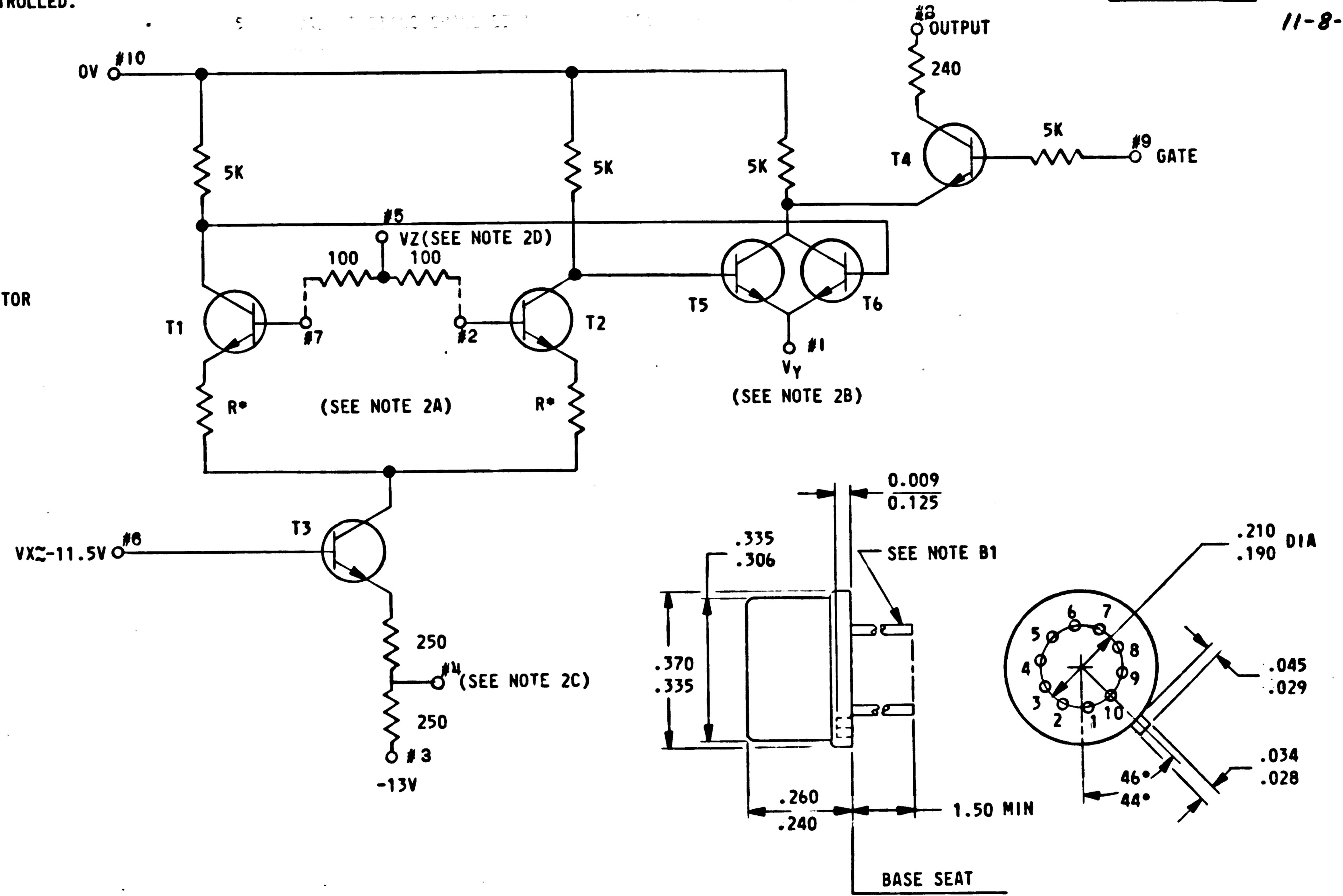
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6929001			
REVISIONS			
SYM	DESCRIPTION	DATE	APPROVAL
A	REVISED PER TDRR 00101	11/21/62	WJL
B	REVISED PER TDRR 00286	11-23-63	WJL

NOTES:

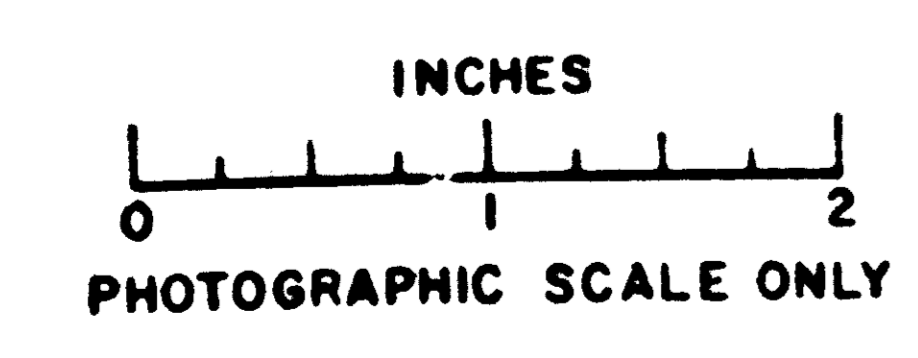
- REQUIREMENTS:
 - THIS DEVICE SHALL MEET THE MATERIAL AND WORKMANSHIP REQUIREMENTS OF MIL-S-19500.
 - LEAD MATERIAL SHALL BE IN ACCORDANCE WITH NASA DOCUMENT PS 1015402 EXCEPT LEAD DIAMETERS SHALL BE AS FOLLOWS:
 - THE LEAD DIAMETER IN THE ZONE BETWEEN .050 AND .250 FROM THE BASE SEAT SHALL BE .016 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.
 - UNITS SHALL BE HERMETICALLY SEALED IN A METAL CASE.
 - UNITS SHALL MEET THE TEST REQUIREMENTS AS SPECIFIED IN ND 1002017.
 - QUALITY ASSURANCE PROVISIONS SHALL BE IN ACCORDANCE WITH NASA DOCUMENT ND 1015404 SECTION I.
 - PREPARATION FOR DELIVERY SHALL BE IN ACCORDANCE WITH MIL-S-19491.
- EXPLANATORY NOTES FOR SCHEMATIC:
 - R* IS THE EMITTER DEGENERATION REQUIRED TO BALANCE THE D.C. COLLECTOR VOLTAGES OF T₁ AND T₂ AND TO GET THE REQUIRED DIFFERENTIAL GAIN.
 - V_Y IS ADJUSTABLE TO SET SENSING THRESHOLD. -6V ≤ V_Y ≤ -4V
 - AN EXTERNAL RESISTOR MIGHT BE ADDED AT THIS POINT TO MATCH SENSE AMPLIFIERS IF ANALYSIS SHOWS IT TO BE NECESSARY.
 - 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.
- INTERPRET DRAWING IN ACCORDANCE WITH STANDARDS PRESCRIBED BY MIL-D-70327.

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



MASTER

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.		MANNED SPACECRAFT CENTER HOUSTON, TEXAS	
DRAWN Ray Wheeler DATE 5/21/62 CHECKED J. Thompson 6 Nov 62 APPROVAL [Signature] 7 Nov 62 APPROVAL [Signature] 7 Nov 62		SEMICONDUCTOR DEVICE, SENSE AMPLIFIER SPECIFICATION CONTROL DRAWING	
HEAT TREATMENT		CODE IDENT NO.	NASA DRAWING NO.
FINAL FINISH		C	1006769
NEXT ASSY	USED ON	SCALE NONE	WT
APPLICATION		SHEET 1 OF 1	

1006769 B