

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 NOR 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, IN ANY MANNER, AS LICENSING THE HOLDER OR ANY OTHER PERSON OR CORPORATION, OR CONFERRING ANY RIGHTS OR PERMISSION TO MANUFACTURE, USE, OR SELL ANY PATENTED INVENTION THAT MAY IN ANY WAY BE RELATED THEREBY.

9 6929001

REVISIONS			
SYM	DESCRIPTION	DATE	APPROVAL
E	REPLACES REV D WITH CHANGE PER TDRR 00513		WHL
F	REVISED PER TDRR 00706	10/20/62	WHL
G	REPLACED BY REV H WITH CHANGES PER TDRR 02823	8/28/63	JR

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.

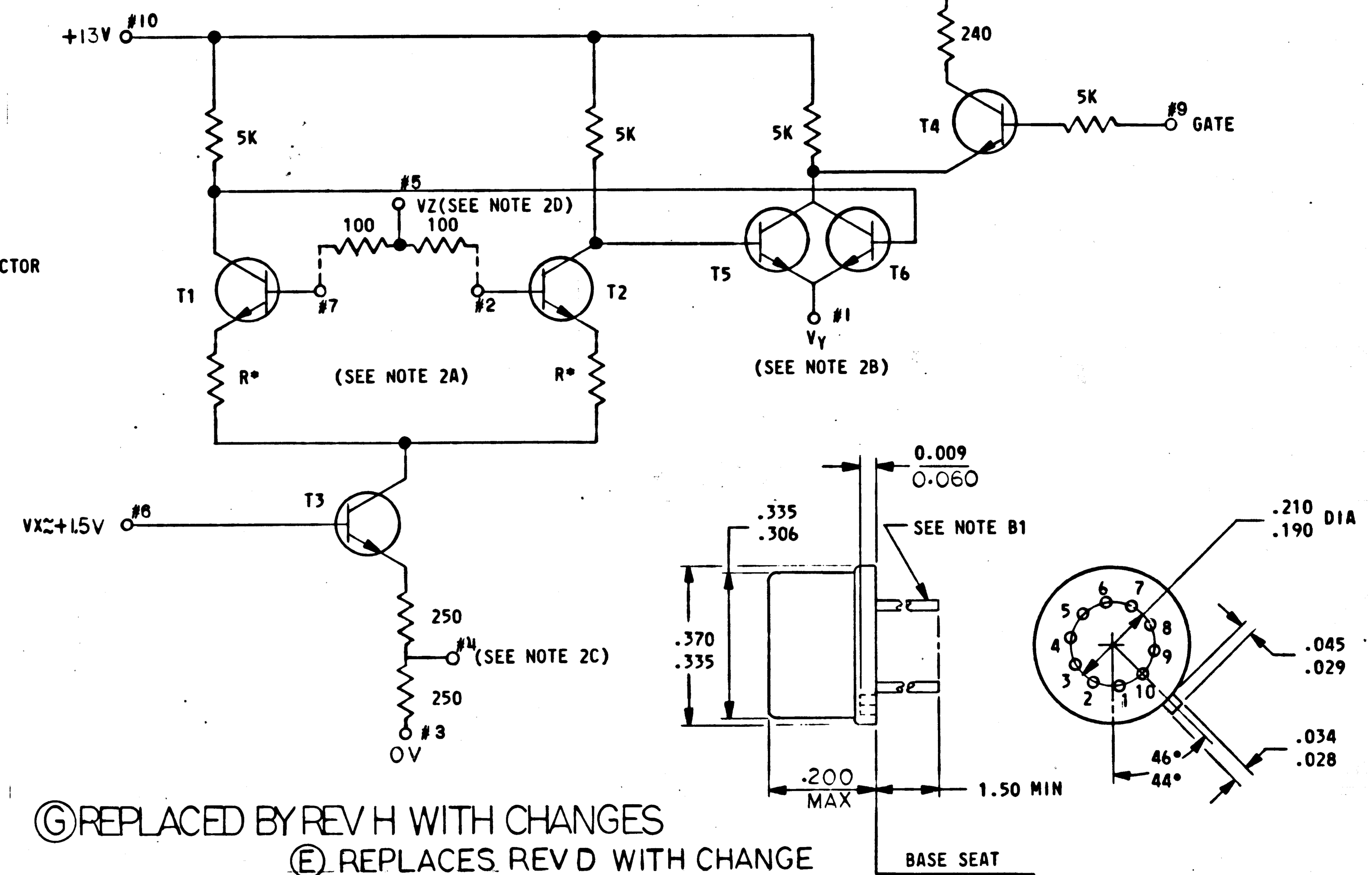
- E. QUALITY ASSURANCE PROVISIONS SHALL BE IN ACCORDANCE WITH NASA DOCUMENT ND 1015404 SECTION I.
- F. PREPARATION FOR DELIVERY SHALL BE IN ACCORDANCE WITH MIL-S-19491.

2. EXPLANATORY NOTES FOR SCHEMATIC:
- A. R* IS THE EMITTER DEGENERATION REQUIRED TO BALANCE THE D.C. COLLECTOR VOLTAGES OF T₁ AND T₂ AND TO GET THE REQUIRED DIFFERENTIAL GAIN.
 - B. V_y IS ADJUSTABLE TO SET SENSING THRESHOLD. -5V ≤ V_y ≤ -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.

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

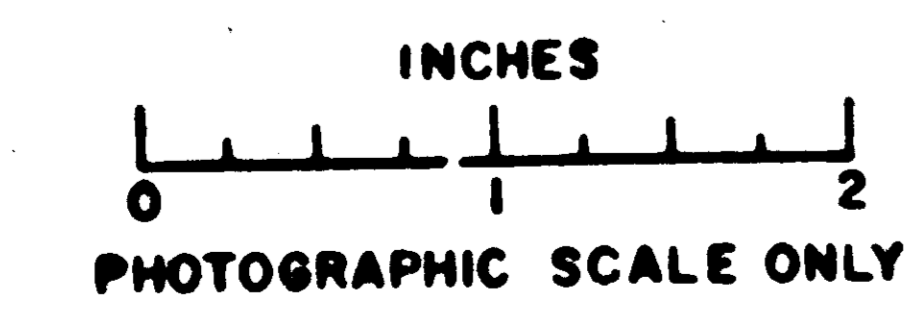


ⓐ REPLACED BY REV H WITH CHANGES
 ⓔ REPLACES REV D WITH CHANGE

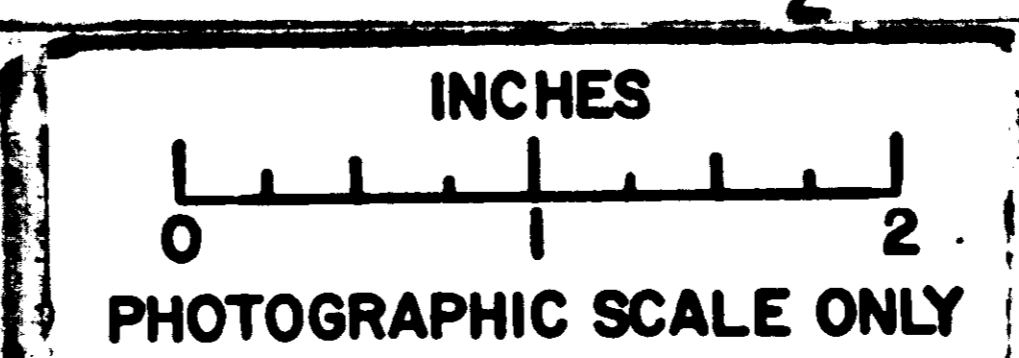
MASTER

MASTER

FOR SOURCE OF SUPPLY
 SEE QUALIFIED VENDOR LIST
 ND 1002034



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 5/29/62 CHECKED J. Maynard 6/NOV/62 APPROVAL J. Maynard 7/NOV/62 APPROVAL E. C. Hall 7/NOV/62		SEMICONDUCTOR DEVICE, SENSE AMPLIFIER SPECIFICATION CONTROL DRAWING	
HEAT TREATMENT		CODE IDENT NO.	NASA DRAWING NO.
NEXT ASSY		SIZE	1006769
USED ON		SCALE	SHEET 1 OF 1
APPLICATION		SCALE NONE WT	
FINAL FINISH		MIT APPROVAL [Signature] 11/8/62	



D
C
B
A

D
C
B
A

1006769 G

B

A