GENERAL REQUIREMENTS:

1. UNITS SHALL MEET THE GENERAL REQUIREMENTS OF MIL-S-19500 FOR MATERIALS, QUALITY & WORKMANSHIP.

2. THE SPECIFIED LEAD DIAMETER APPLIES TO THE ZONE BETWEEN .050 AND .250 FROM THE CASE SEAT, BETWEEN .250 AND THE END OF LEAD A MINIMUM OF .021 IS HELD. OUTSIDE OF THESE ZONES THE LEAD DIAMETER IS NOT CONTROLLED.

3. MAXIMUM DIAMETER LEADS AT A GAGING PLANE .050 - .250 BELOW CASE SEAT TO BE WITHIN .001 OF THEIR TRUE LOCATION RELATIVE TO MAX. WIDTH TAB AND TO THE MAXIMUM .270 DIAMETER MEASURED WITH A SUITABLE GAGE. WHEN GAGE IS NOT USED, MEASUREMENT WILL BE MADE AT SEATING PLANE.

4. INDEX TAB FOR VISUAL ORIENTATION ONLY.

5. MEASURED FROM MAX. DIAMETER OF THE ACTUAL DEVICE.

6. LEAD MATERIAL: GOLD PLATED IRON-MICRO-COBBY-ALLOY IN ACCORDANCE WITH MIL-1015402.

7. PIN 4 ELECTRICALLY CONNECTED TO CASE.

8. D C RESISTANCE BETWEEN PIN 7 & 8 SHALL BE 530 OHMS MAX.

9. AVERAGE PROPAGATION DELAY SHALL BE 35 NANOSECONDS MAX. AND SHALL BE MEASURED AS ILLUSTRATED ON SHEET 2.

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

11. UNIT SHALL BE ELECTRICALLY TESTED IN ACCORDANCE WITH TABLE I.

A WAVE AS REQUIRED ALL INFORMATION PAR A ' TBD ON THIS DRAWING EXCEPT LEAD MATERIAL SPEC & PHYSICAL DIMENSIONS.

B UPON SPECIFIC INSTRUCTION BY (TD) TECHNICAL DIRECTIVE PRODUCE THIS PART AS CHANGE LETTERED BY ORDERING TO VENDOR CATALOG NO. & SPECIFICATIONS, REFERENCE NO. 1002034.

C REFER TO NOTE 7 FOR INFORMATION ONLY

FOR INFORMATION ONLY
### Table I

**Design Parameters 25°C Ambient (Unless Otherwise Specified)**

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Conditions at Pins</th>
<th>MIN</th>
<th>MAX</th>
</tr>
</thead>
<tbody>
<tr>
<td>Base Current I₁</td>
<td>785±2mV 785±10mV</td>
<td>250 mA</td>
<td>250 mA</td>
</tr>
<tr>
<td>Base Current I₂</td>
<td>785±10mV 785±20mV</td>
<td>350 mA</td>
<td>350 mA</td>
</tr>
<tr>
<td>Output Voltage Pin 7</td>
<td>OPEN OPEN 785±20mV</td>
<td>.350V</td>
<td>.350V</td>
</tr>
<tr>
<td>Output Voltage Pin 9</td>
<td>OPEN OPEN 785±20mV</td>
<td>.350V</td>
<td>.350V</td>
</tr>
<tr>
<td>Output Voltage Pin 9</td>
<td>OPEN OPEN 785±20mV</td>
<td>.350V</td>
<td>.350V</td>
</tr>
<tr>
<td>Output Voltage Pin 7</td>
<td>OPEN 540±20mV 540±20mV</td>
<td>.350V</td>
<td>.350V</td>
</tr>
<tr>
<td>Output Current at Pin 7</td>
<td>OPEN OPEN 540±20mV</td>
<td>.350V</td>
<td>.350V</td>
</tr>
<tr>
<td>Saturation Voltage</td>
<td>OPEN 1.20±10mV OPEN</td>
<td>.300V</td>
<td>.300V</td>
</tr>
<tr>
<td>Saturation Voltage</td>
<td>OPEN 1.20±10mV OPEN</td>
<td>.300V</td>
<td>.300V</td>
</tr>
<tr>
<td>Saturation Voltage</td>
<td>OPEN 1.20±10mV OPEN</td>
<td>.300V</td>
<td>.300V</td>
</tr>
<tr>
<td>Leakage Current IECQ</td>
<td>OPEN OPEN GND OPEN</td>
<td>100 Micro Amps</td>
<td>100 Micro Amps</td>
</tr>
<tr>
<td>Emitter Base Reverse</td>
<td>OPEN OPEN 5.0V GND</td>
<td>1 mA</td>
<td>1 mA</td>
</tr>
<tr>
<td>Collector Cutoff Current</td>
<td>GND GND OPEN GND</td>
<td>1 mA</td>
<td>1 mA</td>
</tr>
</tbody>
</table>

### Table II

**Maximum Ratings at 25°C**

- Maximum Voltage to PIN 8: 18.0 Volts
- Maximum Voltage Applied to Any Input Pin: 14.0 Volts
- Storage Temperature: -65°C to 200°C
- Operating Temperature: 0°C to 70°C
- Fan Out of 5 with Fan In of 3: 0°C to 70°C
- Normal Dissipated Power per Unit: 15 mA

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**Diagram**

- Logic Symbol
- Average Propagation Delay
- Inputs Pins L365
- Outputs Pins O

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**List of Materials**

- Instrumentation Lab
- Manned Spacecraft Center
- Micro-Nor Gate
- (To 47 Size)

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**Specification Control Drawing**

- Code Identity No.
- NASA Approval No.
-航天飞机中心
- MICRO-NOR GATE
- (TO 47 SIZE)

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**NASA Drawing No.**

1006771