

Figure 1. 8-Lead Pinout (Top View) and Logic Diagram

#### **Table 1. PIN DESCRIPTION**

PIN	FUNCTION
Da*, Db*	ECL Data Inputs
SEL*	ECL Select Inputs
Q, Q	ECL Data Outputs
V <sub>CC</sub>	Positive Supply
V <sub>EE</sub>	Negative Supply
NC	No Connect

<sup>\*</sup> Pins will default LOW when left open.

#### **Table 2. TRUTH TABLE**

SEL	Data
H	a
L	b

#### Table 3. ATTRIBUTES

Characteristics	Value
Internal Input Pulldown Resistor	75 kΩ
Internal Input Pullup Resistor	N/A
ESD Protection Human Body Model Machine Model Charged Device Model	> 4 kV > 200 V > 2 kV
Moisture Sensitivity, Indefinite Time Out of Drypack (Note 1)	Pb-Free Pkg
TSSOP-8	Level 3
Flammability Rating Oxygen Index: 28 to 34	UL 94 V-0 @ 0.125 in
Transistor Count	41 Devices
Meets or exceeds JEDEC Spec EIA/JESD78 IC Latchup Test	·

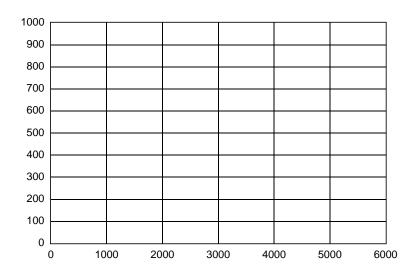
<sup>1.</sup> For additional information, see Application Note <u>AND8003/D</u>.

#### **Table 4. MAXIMUM RATINGS**

Symbol	Parameter	Condition 1	Condition 2	Rating	Unit
V <sub>CC</sub>	PECL Mode Power Supply	V <sub>EE</sub> = 0 V		6	V
V <sub>EE</sub>	NECL Mode Power Supply	$V_{CC} = 0 V$			

# Table 6. 100EP DC CHARACTERISTICS, PECL ( $V_{CC} = 5.0 \text{ V}$ , $V_{EE} = 0 \text{ V}$ (Note 1))

		40°C		25°C		85°C					
Symbol	Characteristic	Min	Тур	Max	Min	Тур	Max	Min	Тур	Max	Unit
I <sub>EE</sub>	Power Supply Current	20	28	37	20	31	39	25	33	42	mA
V <sub>OH</sub>	Output HIGH Voltage (Note 2)	3855	-	-	•	-					



#### TSSOP 8 CASE 948R-02 ISSUE A

### **DATE 04/07/2000**





	MILLIN	IETERS	INCHES		
DIM	MIN	MAX	MIN	MAX	
Α					

