



MC100LEVEL91

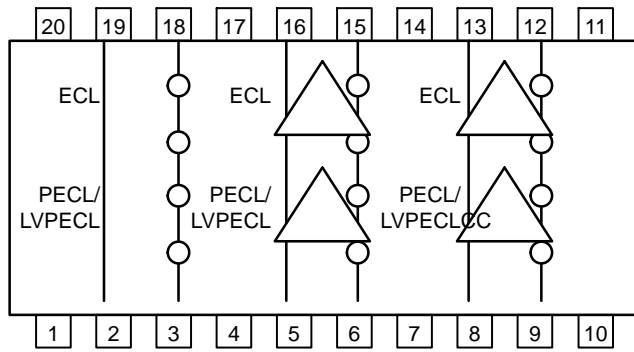


Table 1. PIN DESCRIPTION

Pin	Function
D _n , \overline{D}_n	PECL/LVPECL Inputs
Q _n , \overline{Q}_n	ECL Outputs
PECL V_{BB}	PECL Reference Voltage Output
V_{CC}	Positive Supply
V_{EE}	Negative Supply
GND	Ground

Figure 1. SO-20 Pinout (Top View) and Logic Diagram

Warning: All V_{CC} , V_{EE} , and GND pins must be externally connected to Power Supply to guarantee proper operation.

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Table 3. MAXIMUM RATINGS

Symbol	Parameter	Condition 1	Condition 2	Rating	Unit
V_{CC}	PECL Power Supply	GND = 0 V		3.8	V
V_{EE}	NECL Power Supply	GND = 0 V		-6.0	V
V_I	PECL Input Voltage	GND = 0 V	$V_I \leq V_{CC}$	3.8	V
I_{out}	Output Current	Continuous Surge		50 100	mA
I_{BB}	PECL V_{BB} Sink/Source				

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Table 6. AC CHARACTERISTICS ($V_{CC} = 3.3\text{ V}$; $V_{EE} = -3.0\text{ V}$ to -5.5 V ; $GND = 0\text{ V}$ (Note 7))

Symbol

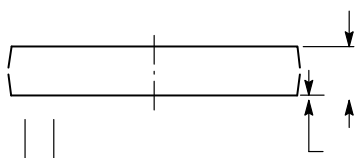
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Resource Reference of Application Notes

[AN1405/D](#)

SOIC-20 WB
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