

## Product Overview

### MC10H124: Quad TTL to ECL Translator

For complete documentation, see the data sheet.

The MC10H124 is a quad translator for interfacing data and control signals between a saturated logic section and the MECL section of digital systems. The 10H part is a functional/pinout duplication of the standard MECL 10K family part, with 100% improvement in propagation delay, and no increase in power-supply current.

### Features

- Propagation Delay, 1.5 ns Typical
- Improved Noise Margin 150 mV (Over Operating Voltage and Temperature Range)
- Voltage Compensated
- MECL 10K Compatible
- Pb-Free Packages are Available

### Part Electrical Specifications

Product	Compliance	Status	Channels	Input Level	Output Level	V <sub>CC</sub> Typ (V)	f <sub>Max</sub> Typ (MHz)	t <sub>pd</sub> Typ (ns)	t <sub>r</sub> & t <sub>f</sub> Max (ps)	Package Type
MC10H124FNG	Pb-free Halide free	Active	4	TTL	ECL	5	50	1.6	1500	PLLC-20
MC10H124FNR2G	Pb-free Halide free	Active	4	TTL	ECL	5	50	1.6	1500	PLLC-20
MC10H124PG	Pb-free Halide free	Active	4	TTL	ECL	5	50	1.6	1500	PDIP-16

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