

Product Overview

MC10H125: Quad ECL to TTL Translator

For complete documentation, see the data sheet.

The MC10H125 is a quad translator for interfacing data and control signals between the MECL section and saturated logic 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. Outputs of unused translators will go to low state when their inputs are left open.

Features

- Propagation Delay, 2.5 ns Typical
- Voltage Compensated
- Improved Noise Margin 150 mV (Over Operating Voltage and Temperature Range)
- MECL 10K Compatible
- Pb-Free Packages are Available

Part Electrical Specifications

Product	Pricing (\$/Unit)	Compliance	Status	Channels	Input Level	Output Level	V _{CC} Typ (V)	f _{Max} Typ (MHz)	t _{pd} Typ (ns)	t _R & t _F Max (ps)	Package Type
MC10H125FNG		Pb-free	Active	4	ECL	TTL	5	50	2.1	1200	PLLC-20
		Halide free									
MC10H125FNR2G		Pb-free	Active	4	ECL	TTL	5	50	2.1	1200	PLLC-20
		Halide free									
MC10H125PG		Pb-free	Active	4	ECL	TTL	5	50	2.1	1200	PDIP-16
		Halide free									

For more information please contact your local sales support at www.onsemi.com.

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