

MANCHESTER ENC/DEC - MIL HI REL - 24 PIN CDIP HT SUS  
 CODE:8542390000

Manufacturers	<a href="#">Renesas Technology Corp</a>
Package/Case	DIP-24
Product Type	Integrated Circuits (ICs)
RoHS	
Lifecycle	



Images are for reference only

Please submit RFQ for HD1-15530-8 or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

## General Description

The Intersil HD-15530 is a high performance CMOS device intended to service the requirements of MIL-STD-1553 and similar Manchester II encoded, time division multiplexed serial data protocols. This LSI chip is divided into two sections, an Encoder and a Decoder. These sections operate completely independent of each other, except for the Master Reset functions. This circuit meets many of the requirements of MIL-STD-1553. The Encoder produces the sync pulse and the parity bit as well as the encoding of the data bits. The Decoder recognizes the sync pulse and identifies it as well as decoding the data bits and checking parity. This integrated circuit is fully guaranteed to support the 1MHz data rate of MIL-STD-1553 over both temperature and voltage. It interfaces with CMOS, TTL or N channel support circuitry, and uses a standard 5V supply. The HD-15530 can also be used in many party line digital data communications applications, such as an environmental control system driven from a single twisted pair cable of fiber optic cable throughout the building.

## Features

Support of MIL-STD-1553

Data Rate 1.25 MBit/s

Sync Identification and Lock-In

Clock Recovery

Manchester II Encode, Decode

Separate Encode and Decode

Low Operating Power 50mW at 5V

## Related Products



### [HD64F2368VTE34V](#)

Renesas Technology Corp  
QFP120



### [HD64F2638F20](#)

Renesas Technology Corp  
QFP-128



### [HD64F2148AFA20V](#)

Renesas Technology Corp  
QFP



### [HD64F3337YF16V](#)

Renesas Technology Corp  
QFP80



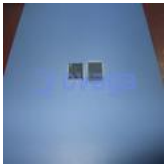
### [HD64F36109HV](#)

Renesas Technology Corp  
QFP100



### [HD6417729RF133BV](#)

Renesas Technology Corp  
QFP208



### [HD64F2128FA20V](#)

Renesas Technology Corp  
QFP64



### [HD6412340FA20V](#)

Renesas Technology Corp  
QFP-100