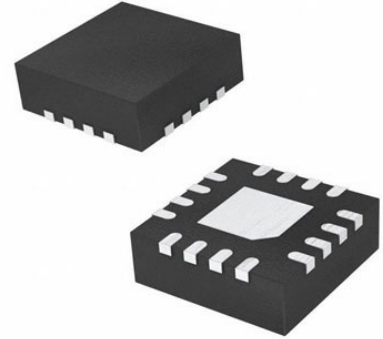


Specialized Interface, UART, Multi-energy Utility Meters, 9.2 V, 42 V, NQFP, 20 Pins

Manufacturers	ON Semiconductor, LLC
Package/Case	20-VFQFN
Product Type	Interface ICs
RoHS	Pb-free Halide free
Lifecycle	



Images are for reference only

Please submit RFQ for NCN5150MNTWG or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

General Description

The NCN5150 is a single-chip integrated slave transceiver for use in two-wire Meter Bus (M-BUS) slave devices and repeaters. The transceiver provides all of the functions needed to satisfy the European Standards EN 13757-2 and EN 1434-3 describing the physical layer requirements for M-BUS. It includes a programmable power level of up to 2 (SOIC version) or 6 (NQFP version) unit loads which are available for use in external circuits through a 3.3V LDO regulator. The NCN5150 can provide communication up to the maximum M-BUS communication speed of 38400 baud (half-duplex).

Features

Single-chip M-Bus transceiver

UART communication speeds up to 38400 baud

Integrated 3.3 V VDD LDO regulator with extended peak current capability of 15 mA

Supports powering slave device from the bus or from external power supply

Adjustable I/O levels

Adjustable constant current sink up to 2 or 6 unit loads depending on the package

Low bus voltage operation

Extended current budget for external circuits: at least 0.88 mA

Polarity independent

Power-fail function

Fast startup - no external transistor required on STC pin

Industrial ambient temperature range of -40C to +85C

Available in: - 16-pin SOIC (pin-to-pin compatible with TSS721A)- 20-pin QFN

These are Pb-free devices

Application

ONSEMI

Related Products



[NCV7340D14R2G](#)

ON Semiconductor, LLC
SOP8



[NCV7351FD13R2G](#)

ON Semiconductor, LLC
SOIC-8



[NCV7344AMW3R2G](#)

ON Semiconductor, LLC
DFNW-8



[NCV7342MW3R2G](#)

ON Semiconductor, LLC
DFN-8



[NC7WB66L8X](#)

ON Semiconductor, LLC
MicroPak-8



[NCV7356D2R2G](#)

ON Semiconductor, LLC
SOIC-14



[NCV7351D13R2G](#)

ON Semiconductor, LLC
SOP8



[NCV7344AD13R2G](#)

ON Semiconductor, LLC
SOIC-8