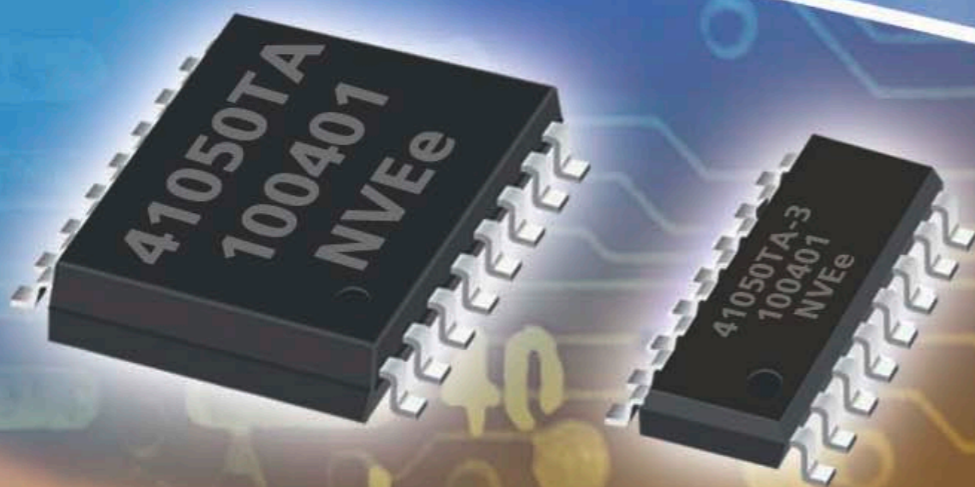


CAN-Transceiver grüner und störfester



[Translated from German original]

CAN transceiver greener and more rugged

The manufacturer markets the proven Isolooop IL41050 and IL41050-3 (narrow-body) CANbus transceivers. Now the new "A" versions extension are available from HY LINE Power Components immediately (the IL41050TA-3E) or in August (the IL41050TAE). These have ± 500 V instead of ± 200 V CDM ESD ratings and 10% less quiescent and dynamic current, thus more rugged and efficient than the standard model. Loop delay increases negligibly to 250 ns.

The IL41050T-3E, and now also the IL41050TA-3E, are the world's smallest isolated CAN transceivers, with minimal footprint and only 2.5 mm clearance height. That wide-body variant IL41050TE and IL41050TAE offer a full 8 mm of creepage.

The IL41050 Series integrates transceiver and isolator functions in one package for better performance and reduced costs over conventional discrete transceivers and optocouplers.

IL41050-transceivers fulfill the ISO 11898 CAN standards as well as industry standards, and offer an isolating interface between 5-volt CAN busses and 3.3 V microcontrollers.

Unpowered nodes do not disturb and load the bus, and return to the prior state out of power-up. Moreover, the transceiver can become passive with an input signal. The transceivers have a robust temperature operating range of -55°C to $+125^{\circ}\text{C}$, short-circuit and over-temperature turn-off, 2.5 kV of isolation, and a typical transient immunity of $30\text{ kV}/\mu\text{s}$, as well as an ESD rating of 4 kV with the human body model. All components are UL 1577 and IEC 61010-2001 approved.