

**Press Release**

<Jun. 27, 2007>

**Circuit Design, Inc. announces the release of the test boards TB-CDP02-TX and TB-CDP02-RX for their new 128-channel transmitter and receiver CDP-TX-02FP-R and CDP-RX-02FP-R**

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Circuit Design, Inc., the leading supplier of narrowband radio modules, has released the test boards TB-CDP02-TX and TB-CDP02-RX for their new 128-channel RF transmitter and receiver models CDP-TX-02FP-R and CDP-RX-02FP-R.

The test boards are a joint development of Circuit Design and their German business partner Reimesch Kommunikationssysteme GmbH, a distributor of Circuit Design's RF modules. Circuit Design initiated the concept of the test board and Reimesch carried out the design work based on their RF design and application experience in SRD while taking the industrial environment and preference of users in Europe into consideration. The test boards were not only designed to test and demonstrate the performance of the new 128-Channel transmitter and receiver modules CDP-TX-02FP-R and CDP-RX-02FP-R, but also to support the development of user applications. At the same time, each test board is a full 8-channel digital status translator, which can be used for various professional applications.

**Features as the status translator**

- TX board: 8 inputs (opto-coupler) & RX board: 8 outputs (photo MOS relays).
- Manual channel control and automatic channel control modes (for RX)
- 3 transmission modes (continuous mode, triggered mode, test mode)
- ID learning and pairing modes (TX 1: RX: N or TX N: RX: 1)
- Error collection by CRC and fail safe mode with selectable max error count
- Each RX board calibrated to -116 dBm for automatic channel scanning

**Features as the development tool**

- Full programmable Atmel ® micro processor ATMEGA324P over ISP port
- 32 kB internal flash and 2 kB EEPROM for own software
- 2 UART ports for control of CDP-02FP and debugging for development purposes

Complete technical documentation of the test boards including complete C source code is supplied with the test boards as reference literature for development of user applications for the new 128-Channel transmitter and receiver modules CDP-TX-02FP-R and CDP-RX-02FP-R.

With the test boards TB-CDP02-TX /TB-CDP02-RX, stable communication in the line of sight range of 1.5km was achieved in tests by Reimesch.

The test boards are supplied with Circuit Design's new 128-channel RF transmitter or receiver modules, CD-ROM with documentation, including C source code and 434 MHz antenna.

The test boards are manufactured by Reimesch and will be available from Reimesch in July 2007:

Reimesch Kommunikationssysteme GmbH  
Technologiepark Bergisch Gladbach  
Friedrich-Ebert-Straße

D-51429 Bergisch Gladbach  
http://www.reimesch.de  
Tel: +49 (0) 2204 / 58 47 51  
Fax: +49 (0) 2204 / 58 47 67

More information on test boards at [http://www.reimesch.de/cdp02-testboard\\_en.html](http://www.reimesch.de/cdp02-testboard_en.html)  
More information on 128 channels transmitter and receiver modules CDP-TX-02FP-R and  
CDP-RX-02FP-R at <http://www.cdt21.com/products/tx.rx/cdp02f/default.asp>

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Circuit Design, Inc., International Business Division  
7557-1 Hotaka, Azumino, Nagano 399-8303, Japan  
TEL: 0263-82-1024 / FAX: 0263-82-1016  
e-mail: info@circuitdesign.jp URL: http://www.cdt21.com