

DL3

CHIP DECODER

- Decodes optic pens, fixed beam, badge and CCD readers, hand held laser scanners
- Single chip IC available in DIL or chip carrier package
- Decodes the most common bar code symbologies
- TTL-ASCII parallel or serial communication interface
- Programmable also through the communication port
- CMOS technology (low power consumption)

TECHNICAL FEATURES

The **DL3** chip decoder is an advanced integrated single chip bar code decoder. It decodes signals generated by fixed beam, moving beam or CCD bar code readers.

Only a few additional components are needed for a full working decoder, making the **DL3** ideal as a built-in part of customised equipment.

The **DL3** decodes bar codes into ASCII characters which are transferred to the receiving system through serial asynchronous full duplex communication or parallel communication with handshaking (8255 compatible). All necessary parameters, such as bar code type and checksum algorithms, can be set either from the host system or via external DIP switches.

In spite of its small size, the **DL3** is a very powerful and flexible bar code decoder. It reads the most common bar code symbologies and autodiscriminates between several codes.

Several transmission parameters are selectable: Parity, ACK/NACK protocol, and choice of preambles and postambles of the transferred character string. Serial baud rate is set either internally or from an external clock signal.

The **DL3** can be set to echo back all received data in the original format onto its transmission port.

An acoustic signal can be generated by connecting a beeper or another device to the beeper output of **DL3**.

The **DL3** is available in both a 40 pin DIL package and a 54 pin surface mount flat pack case.

APPLICATIONS

- Data collection and registration via bar codes
- Built into cash registers and keyboards
- Control systems, scales, measuring and laboratory equipment
- Time registration and identification terminals



MODELS

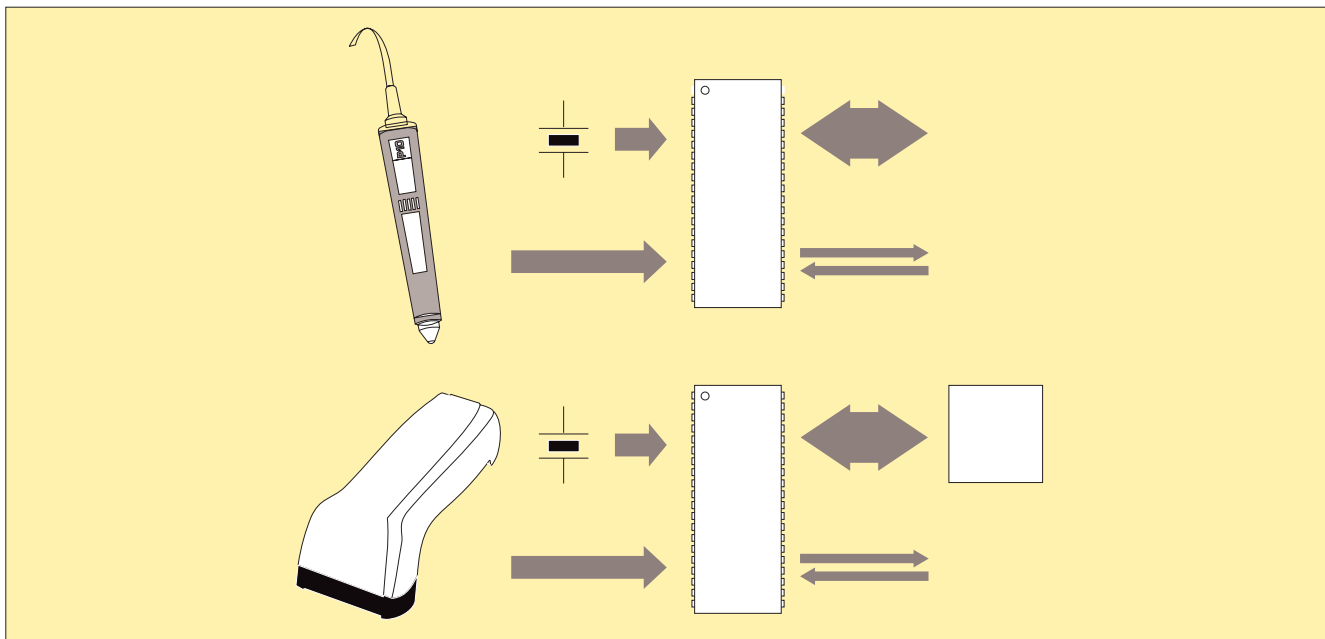
Type	Description	Order Number
DL3-01	40 pin DIP package	B9728053

SPECIFICATIONS

POWER SUPPLY	5 Vdc ±10%	OUTPUT SIGNAL	Good read (NPN open collector)
POWER CONSUMPTION	7 mA typ., 10 mA max.	READABLE BAR CODES	EAN/UPC/JAN families with or without Add-On Code, 2/5 family, code 39, Codabar
COMPATIBLE READERS		MAX. NUMBER OF DIGITS	60
- optic pens	P10, P51	BAR CODE READING	single code or auto-discrimination
- fixed and badge readers	F30, SR11	PROGRAMMING METHOD	DIP switch setting or software commands
- hand held CCD readers	DL65/80		
- hand held laser scanners	DL910		
- readers with pen emulation output			
MEMORY TYPE	CMOS static RAM	DIMENSIONS	
OUTPUT INTERFACES (*)	TTL ASCII output, serial or parallel (8255 compatible)	DL3-01	53.4 x 14.0 x 5.1 mm (2.1 x 0.5 x 0.2 in.)
BAUD RATE	300, 1200, 9600, or other using an external clock	DL3-02	25.6 x 19.6 x 2.9 mm (1.0 x 0.8 x 0.1 in.)
PARITY	Mark, Space, Odd or Even	OPERATING TEMPERATURE	0 to 70 °C (32 to 158 °F)
TRANSMISSION FORMAT	7 or 8 bits with 1 stop bit	STORAGE TEMPERATURE	-55 to 150 °C (-67 to 302 °F)
INPUT SIGNAL	TTL compatible (trigger for hand held laser scanners)		

(*) Parallel output is available only in pen decoder configuration

SYSTEM CONFIGURATION



A UDIN Composants & systèmes d'automatisme

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We reserve the right to make modifications and improvements

