DATALOGIC DL®

OPTIC ELECTRONICS

"Technology At The Source of Information And Control"

DL3

SINGLE CHIP BAR CODE DECODER

T-52-33-05

- FEATURES -

SINGLE-CHIP DECODER

DECODES UP TO "60" DIGITS

PENS OR MOVING BEAM SCANNERS

AUTO-DISCRIMINATION OF BAR CODES

FLAT / 40-PIN DIP / CARRIER / PACKAGES

- OVERVIEW -

The **DL3** bar code decoder chip is a low power **CMOS** integrated circuit which is compatible with the signals coming from fixed beam readers like bar code wands and badge readers as well as moving beam scanners like laser guns and CCD scanners. Only a very few components are needed to implement the DL3's decoding capabilities. External RAM is necessary only in the case of moving beam scanner input. The **DL3** works with most common bar code symbologies such as (EAN/UPC, Code 39, 2/5 Regular, 2/5 Interleaved, Codabar) up to 60 digits long and a complete set of software commands are available for a wide range of special functions that you may require. Additional external memory is necessary when the **DL3** is configured for moving beam scanner input.

- OPERATIONS -

The **DL3** bar code decoder chip is the ideal choice for fast and flexible intergration by **OEMs** into a wide range of bar code terminal applications. For operation, the **DL3** only requires a small number of external components. In the case of moving beam readers, an additional external RAM and an address latch are necessary. The **DL3** provides a wide variety of options, selectable through both DIP switches and/or software commands. The options include the type of bar code symbology to be read, communication protocols, and the type of interface. The **DL3** allows the decoding of bar codes with fixed or variable lengths (up to 60 digits), either in a single code type or autodiscriminating between several code types.

- DESIGN -

The Datalogic **DL3** decoder chip is available in a 40 pin DIP package, flat pack or chip carrier package. The **DL3** is implemented in **CMOS** technology. It decodes the signals generated by bar code wands, fixed beam readers, badge readers, laser guns and CCD readers.

- FUNCTIONS -

The versatility of the **DL3** enables the processing of TTL signals coming both from bar code wands and hand-held laser scanners. The configuration options of the **DL3** can be selected by hardware or software. A large set of software commands allows easy access to all of the DL3's resources. The **DL3** can be configured in two basic modes:

* **Fixed Beam Scanner Mode:** Used for decoding signals from bar code wands, badge readers and fixed position readers. The fixed beam scaner mode provides serial or parallel data communications.
* **Moving Beam Scanner:** Used for decoding signals from hand held laser scanners and CCD touch readers . A serial data communication interface (only) is provided in this mode.

- QUALITY / SERVICE -

Manufactured under Datalogic's unparalleled standard of quality, the DL3 is throughly tested to assure you satisfaction. Datalogic's customer support and your nearest local sales office are ready to provide a full range of products and services to meet all your data collection needs.

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D L 3 S P E C I F I C A T I O N S

POWER CONSUMPTION

[]<10mA, typ.=7mA when decoding

[]Low power CMOS

PACKAGE

[] 40 pin DIP, Optional f lat pack or chip carrier

READERS

[] Bar code wands - P10, P31

[] Badge readers - SR11

[] Fixed beam readers - F30

[] Laser guns - DL7000, DL8000, DL8100

[] DL 60 with laser gun output

BAR CODES

[] EAN/UPC, EAN/UPC ADD ON, CODE 39, 2/5 I, 2/5 5B, CODABAR

MAXIMUM NUMBER OF DIGITS

[] 60

INTERFACES

[] Serial or parallel (serial only when used with moving beam scanners)

USER PROGRAMMABLE OPTIONS

[] Baud rate, parity, terminators, handshake, check-digit, bar code, etc.

PROGRAMMING METHOD

[] DIP switches and/or software commands

SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE

"Count On The Source"

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