



Embedded In Life

An IXYS Company

Errata for Z85C30 Silicon

UP014001-0316 **Product Update**

Errata for Z85C30 Silicon

The errata listed in Table 1 highlights the issue and workaround for Zilog's Z85C30 silicon for all date codes and packages.

Table 1. Errata for Z85C30 Silicon

Item No	Issue	Description
1	When reading the receive data FIFO, the data on D7-D0 may become invalid before the /RD pin is deasserted.	<p>In the Z85C30 Read/Write timing table, the D7-D0 data from the receive data FIFO should remain valid until the /RD pin is deasserted. However, if your application timing uses a /RD cycle longer than two PCLK cycles to read the receive FIFO, the data on D7-D0 may become invalid.</p> <p>Workaround The following two options are available:</p> <ul style="list-style-type: none">● Latch the data on D7-D0 before the end of the second PCLK cycle after /RD is asserted.● Use the Z85230 in the application instead of the Z85C30.

This publication is subject to replacement by a later edition. To determine whether a later edition exists or to request copies of publications, visit www.zilog.com.



Warning: DO NOT USE THIS PRODUCT IN LIFE SUPPORT SYSTEMS.

LIFE SUPPORT POLICY

ZILOG'S PRODUCTS ARE NOT AUTHORIZED FOR USE AS CRITICAL COMPONENTS IN LIFE SUPPORT DEVICES OR SYSTEMS WITHOUT THE EXPRESS PRIOR WRITTEN APPROVAL OF THE PRESIDENT AND GENERAL COUNSEL OF ZILOG CORPORATION.

As used herein

Life support devices or systems are devices which (a) are intended for surgical implant into the body, or (b) support or sustain life and whose failure to perform when properly used in accordance with instructions for use provided in the labeling can be reasonably expected to result in a significant injury to the user. A critical component is any component in a life support device or system whose failure to perform can be reasonably expected to cause the failure of the life support device or system or to affect its safety or effectiveness.

Document Disclaimer

©2016 Zilog Inc. All rights reserved. Information in this publication concerning the devices, applications, or technology described is intended to suggest possible uses and may be superseded. ZILOG, INC. DOES NOT ASSUME LIABILITY FOR OR PROVIDE A REPRESENTATION OF ACCURACY OF THE INFORMATION, DEVICES, OR TECHNOLOGY DESCRIBED IN THIS DOCUMENT. ZILOG ALSO DOES NOT ASSUME LIABILITY FOR INTELLECTUAL PROPERTY INFRINGEMENT RELATED IN ANY MANNER TO USE OF INFORMATION, DEVICES, OR TECHNOLOGY DESCRIBED HEREIN OR OTHERWISE. The information contained within this document has been verified according to the general principles of electrical and mechanical engineering.

eZ80[®], eZ80Acclaim![™], and eZ80Acclaim![™] Plus are registered trademarks of Zilog Inc. All other product or service names are the property of their respective owners.