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**NATIONAL STANDARD OF THE
PEOPLE'S REPUBLIC OF CHINA**

GB/T 7497.2-2008

Replacing GB/T 7497.2-1987

**Microprocessor system bus. 8-bit and 16-bit data (MULTIBUS ?)
-- Part 2: Mechanical and pin descriptions for the system bus
configuration, with edge connectors (direct)**

微处理器系统总线 8位及16位数据(MULTIBUS I) 第2部分: 对带有边缘连接器(
直接配合)的系统总线配置的机械与引脚的描述

(English Translation)

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Foreword

GB/T 7497 "microprocessor system bus 8 and 16-bit data (MULTIBUSI)" is divided into three sections.

- Part 1. Electrical and timing specifications functional description;
- Part 2. The description of the system bus with edge connectors (direct) configuration of mechanical and pins;
- Part 3. Mechanical and pin descriptions for the Eurocard configuration with pin and socket connectors (indirect) configuration.

This part of GB/T 27497 Part of, identical with IEC 60796-2:1990 "Microprocessor system bus 8 and 16 Data (MULTIBUSI) - Part 2. System bus with edge connectors (direct) mechanical configuration and pin description Said. " this section also IEC 60796-2:1990 made the following editorial changes.

- Deletion of the IEC 60791-2 "preface";
- Increase the national standard foreword.

This Part replaces GB/T 7497.2-1987 "Microprocessor system bus I 8 and 16-bit data in the second part. the edge Connectors (direct) Mechanical and pin system bus configuration instructions. " this part of the GB/T 7497.2-1987 made the following main changes.

- Name from "Microprocessor system bus I 8 and 16-bit data in the second part. the use of

edge connectors (direct) as for the system bus configuration Mechanical and pin descriptions "with" Microprocessor system bus 8 and 16-bit data (MULTI-BUSI) - Part 2. Mechanical and pin description of the system bus with edge connectors (direct) configuration ";

Text --- text changes.

This part of the National Information Technology Standardization Technical Committee and centralized.

This section drafted by. China Ministry of Electronics Industry Standardization Institute.

Introduction

GB/T 7497 consists of three parts. a functional description and two are available mechanical standards. This standard allows a variety of micro-processing System components interact with each other in the electrical and mechanical interface. Parallel transmission channel and application interface bus is used as the tight coupling between the system components Interconnection number.

GB/T 7497.2-2008/IEC 60796-2:1990 Microprocessor system bus 8 and 16-bit data (MULTIBUSI) Part 2. with edge connectors (direct) Description of mechanical and system bus configuration pins

1 Scope

This section GB/T 7497 applies to the means of edge connectors (direct) type backplane to connect various components of the microprocessor system Interface.

Objective 2

Printed circuit boards should be part of the GB/T 7497 is intended to describe the designer in the design of the system ready for insertion or backplane bus interface to all norms and physical care of the machinery. All dimensions are in millimeters marked in parenthesis notes inch digital reference (in Mm digital date).

3 Floor design basis

Connecting the module base plate, the maximum length of 457.2mm (18in). Use backplane bus expansion board in the system are not supported unless the expansion board, including the total length of the bus is less than the maximum length of 457.2mm.

3.1 Relationship between the plates

When designing board spacing of 15.3mm (0.6in) compatible board, the printed circuit board should follow the specification.

- a) board spacing (LC) when inserting the floor, away from the center of the board should be at least $15.24\text{mm} \pm 0.51\text{mm}$ ($0.6\text{in} \pm 0.02\text{in}$).
- b) plate thickness (LT) Typical thickness of the circuit board is $1.575\text{mm} \pm 0.127\text{mm}$ ($0.062\text{in} \pm 0.005\text{in}$).
- c) Component lead length (LL) Printed circuit board under the component lead can not exceed 2.362mm (0.093in).
- d) Component Height (LH). the maximum height of the components on the printed circuit board, is determined using the following formula.