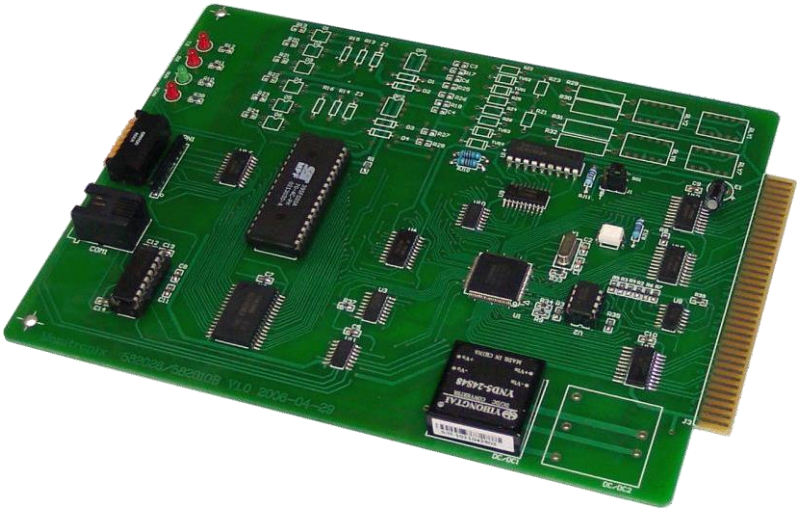
MT582010B - Data Sheet

Universal Controller Board for Binary Cable Pressure Monitoring & Control System



Introduction

The MT582010B board is an advanced universal controller board for binary as a replacement for the Sparton 532010B board in 5300 cable pressure monitoring and control system. With its personality function like Sparton 532024 binary personality board it can make a simple 582054 jumper board replace complicated Sparton 532024 board to realize identical functions and reduce system cost.

Features

- Direct plug-in replacement for existing Sparton 532010B board.
- Support Sparton 532024 board binary personality function.
- 16 bits microprocessor, 20MHz
- Compatible with dry/wet contacts with jumper setting.
- Automatically monitor the 582052 multiplexer switching board, up to 4 boards and max. 96 binary inputs.
- Average scanning time of 2 seconds per input.
- DIP switch for address setting.
- Serial communication port for local debug.
- Supports firmware upgrade.
- LED indicators
- High reliability

Contact:

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General Characteristics

The MT582010B board is an advanced universal controller board for binary as a replacement for the Sparton 532010B board in 5300 cable pressure monitoring and control system. With its on-board microprocessor, it can control the 582052 multiplexer switching board to switch their inputs which are connected to binary contacts or alarms and to pass selected binary on to itself. After that, this MT582010B board reads the binary status and then sends it to SCCM. With its on-board jumper setting the MT582010B can read both dry binaries and wet binaries. Besides, because the MT582010B board is designed with personality functions like Sparton 532024 binary personality board a simple 582054 jumper board can replace a complicated Sparton 532024 board to make its system cost reduced and its performance improved. In respect of use, the MT582010B board fully simulates the Sparton board's signals so that it can directly replace the existing Sparton board without any change to make itself easy to use.

Technical Characteristics

Memory Sizing	
Program Memory RAM	• 256K • 512MB
Environmental Conditions	
Temperature • Continuous Operation • Transportation and storage Relative Humidity	 • 0° to +50° C • -40° to +70° C • 0 to 95% non-condensing
Power	
Input Voltage Power Consumption	• 5VDC powered inside 5300 rack • +/-12VDC powered inside 5300 rack • 2 Watts Maximum for 5VDC • 2 Watts Maximum for +/-12VDC
Physical Properties	
Size RS232 Serial Port	• 202 x 146mm PCB • RJ11
Measurement	
Binary input Average scan time	• Up to 96 input ports (with up to 4 multiplexer switching board 582052) • 2 seconds per input

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