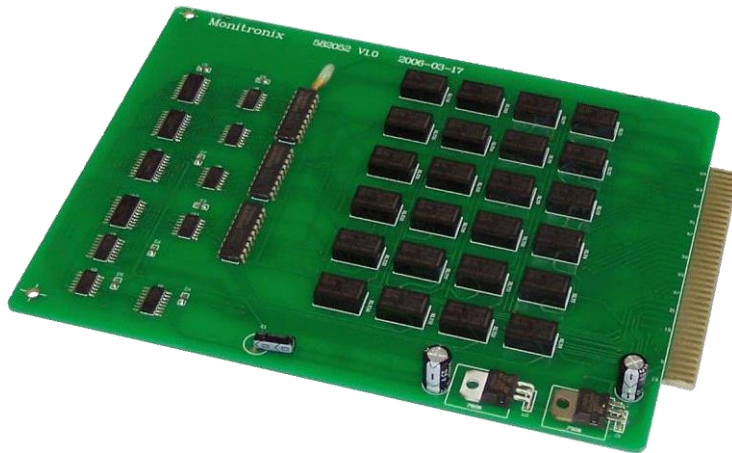# Multiplexer Switching Board
Cable Pressure Monitoring & Control System

Introduction

The MT582052 board is an advanced Multiplexer switching board which is used to replace the Sparton 532052 Mini Addressable Multiplexer board in 5300 cable pressure monitoring and control system. Besides it can replace the Sparton 532051 Analog Multiplexer board or 532071 Binary Input board. So it can be connected with the addressable sensors and devices manufactured by Monitronix and Sparton to measure air pressure, flow and other parameters, and also with binary inputs.

Features

● Direct plug-in replacement for existing Sparton 532052 or 532051 or 532071 Board.

● Compatible with all addressable transducers from Monitronix and Sparton.

● Compatible with all binary inputs.

● Provides physical connection with the 24 analog inputs to the 582026 Mini-Addressable Controller board.

● Provides physical connection with the 24 binary inputs to the 582010B universal controller board.

● For addressable inputs, each input can connect up to 128 addressable transducers, a total of 3072 points.

● High reliability

Contact:

Monitronix Technology

General Characteristics

The MT582052 board is an advanced multiplexer switching board which is used to replace the Sparton 532052 Mini Addressable Multiplexer board, 532051 Analog Multiplexer board or 532071 Binary input board in 5300 cable pressure monitoring and control system. As a replacement of the Sparton 532052 board, it provides physical connection with the 24 inputs which can connect up to 128 addressable transducers each to the 582026 Mini Addressable Controller board. It is fully compatible with all addressable sensors and devices manufactured by Monitronix and Sparton to measure air pressure, flow and other parameters. As a replacement of the Sparton 532071 board, it provides physical connection with the 24 binary inputs which can connect the binaries to the 582010B universal controller board. In respect of use, the MT582052 board fully simulates the Sparton board's signals so that it can directly replace the existing Sparton board without any change and makes itself easy to use.

Technical Characteristics

Control	
Controller	• Mini-Addressable Controller 582026 for addressable transducers • Universal controller board 582010B for binary inputs
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	• +12VDC powered inside 5300 rack • 2 Watts Maximum
Physical Properties	
Size	• 202 x 146mm PCB
Measurement	
Addressable input Binary input	• 24 input ports, 128 transducers per input, total 3072 points max. • 24 binaries

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