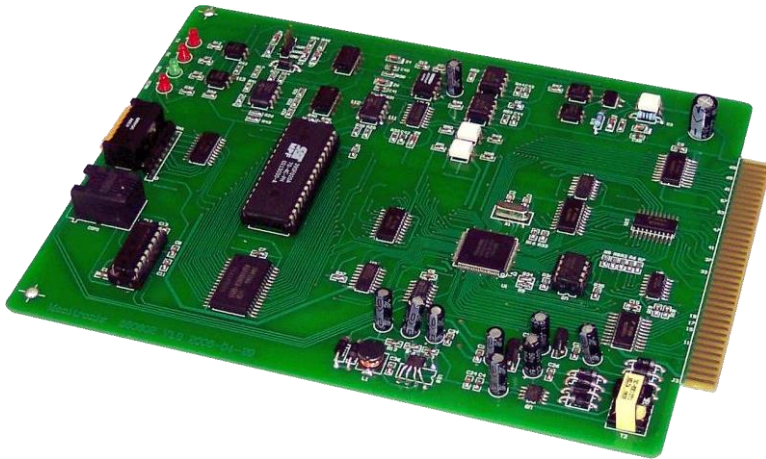# SLT Bus Interface Board c/w ADC
Cable Pressure Monitoring & Control System

Introduction

The MT580602 board is an advanced SLT (Subscriber Line Transducer) bus interface board as a replacement for the Sparton 530602 board in 5300 cable pressure monitoring and control system. With its on-board ADC function and busy detect function it can work alone without any extra ADC board and SLT busy detect board. So its system structure can be simplified and operation performance is improved.

Features

● Direct plug-in replacement for existing Sparton 530602 board

● Support Sparton ADC board function and SLT busy detect function

● 16 bits microprocessor, 20MHz

● Compatible with all subscriber line transducers

● Automatically monitor the 580609 SLT switch matrix board with LEDs, up to 4 boards and max. 36 SLT inputs

● Average scanning time of 1 second per input

● DIP switch for address setting

● Serial communication port for local debug

● Supports firmware upgrade

● LED indicators

● High reliability

Contact:

Monitronix Technology

General Characteristics

The MT580602 board is an advanced SLT (Subscriber Line Transducer) bus interface board which is used to replace the Sparton 530602 board in 5300 cable pressure monitoring and control system. With its on-board microprocessor, it can control the 580609 SLT switch matrix boards to switch their inputs which are connected to subscriber line transducers and then to pass selected transducer on to itself. After that, this MT580602 board reads the SLT and then sends the readings to SCCM. Through the addressing function the MT580602 board can monitor up to 4 SLT switch matrix boards and measure up to 36 inputs. Besides, because the MT580602 board is designed with ADC function like Sparton ADC board and with busy detect function like Sparton 530603A board, without any extra ADC board and busy detect board it can work with full air pressure monitoring functions. In respect of use, the MT580602 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 • 2 Watts Maximum
Physical Properties	
Size RS232 Serial Port	• 202 x 146mm PCB • RJ11
Measurement	
Input Resolution Average scan time	• Up to 36 SLT inputs (with up to 4 SLT switch matrix board 580609) • 0.5% full range • 1 second per input

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