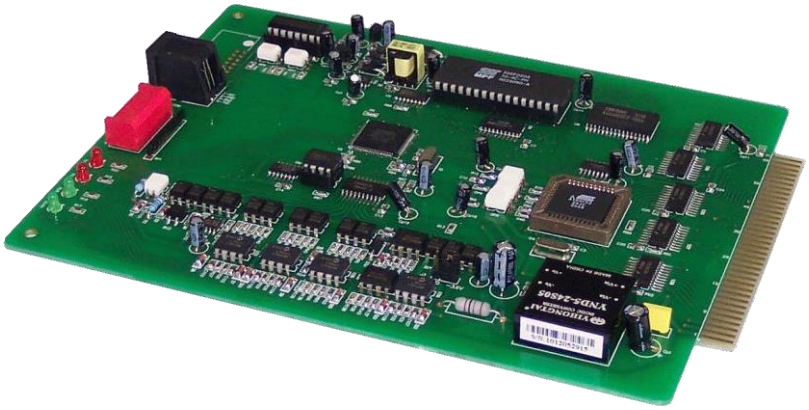
MT582058 - Data Sheet

Universal Controller Board
Cable Pressure Monitoring & Control System



Introduction

The MT582058 board is an advanced universal measurement board as a replacement for the Sparton 532058 Universal Controller board in 5300 cable pressure monitoring and control system. It is fully compatible with Sparton universal module to monitor/read air pressure transducer, flow transducer, resistor padded pressure contactors installed on dedicated or subscriber pairs, and dry or wet contact alarms on compressor dryers or alarm circuit together with 582156 board.

Features

- Direct plug-in replacement for existing Sparton 532058 board.
- 16 bits main microprocessor with 8 bits peripheral microprocessor
- Compatible with dedicated line transducers, subscriber line transducers, Toll/Trunk cable w/contactors, dry/wet contact alarms and other binaries
- Automatically measure air pressure, flow, and monitor binary alarms.
- Measure up to 100 inputs with four 582156 boards (25 inputs each board).
- Average scanning time of 2 seconds per input
- DIP switch for address setting
- Serial communication port for local debug
- Supports firmware upgrade.
- LED indicators

Contact:

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General Characteristics

The MT582058 board is an advanced universal measurement board which can replace the Sparton 532058 Universal Controller board in 5300 cable pressure monitoring and control system. It is designed with dual microprocessors to perform complex functions which include: 1) It can communicate with SCCM to exchange data; 2) It sends control signals to the universal switching matrix board 582156 to select a transducer to be connected to its measurement circuit and then it transfers real measurement readings to SCCM. With its compatibility with Sparton universal module, it can monitor/read air pressure transducer, flow transducer, resistor padded pressure contactors installed on dedicated or subscriber pairs, and dry or wet contact alarms on compressor dryers or alarm circuit together with the 582156 board. Because the MT582058 board fully simulates the Sparton board's signals it can directly replace the existing Sparton board without any change.

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	
Input Resolution Average scan time	• 100 inputs with four extra 582156 boards(25 inputs each board) • 0.5% full range • 2 seconds per sensor

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