AdvancedTCA Shelf Managers

SHM100

SHM100 KEY FEATURES

- Designed for AdvancedTCA (ATCA) systems, using PigeonPoint and VadaTech ShMM controllers
- IPMI 2.0 compliant
- I^2C based real-time clock with battery backup
- Hot swappable
- Support for redundant Shelf Managers
- Sensor event log and data records
- Ethernet, RS-232, and other interface options
- Rich suite of interface options including: telnet, SNMP, RMCP, CLI, etc.
- U-Boot monitoring
- Low power consumption
- Customization available
- Conformal coating optional

Pixus offers AdvancedTCA Shelf Managers in standard designs as well as customized form factors. We utilize the PigeonPoint ShMM-700 or the VadaTech VT003 ShMM controllers as a basis for the technology. Customized front panel interfaces are also available.

Conformal coating on the SHM100 ATCA Shelf Manager is optional. Pixus is ISO9001:2008 and ITAR registered.

Pixus Technologies can modify this product to meet special customer requirements without NRE (minimum order placement is required).

Specifications

Architecture		
Physical	Dimensions	Standard: 103mm wide x 144mm deep x 1.2" pitch
		Other form factors available (consult factory)
	Panel Interface	RS-232, Ethernet, Telco Alarm interface
	Connector Interface	2mm Hard Metric
Standards		
PICMG	Type	PICMG 3.0 for AdvancedTCA
Configuration		
Power Usage		Approx. 4W Max.
Environmental	Temperature	Operating temperature: -40° to +85°C
		Storage temperature: -55° to +90°C
	PCB	FR-4 or equivalent
	PCB traces	0.5 oz. standard
Conformal coating		Upon request (See page 6 selection "J" for available options)
Other		
MTBF	MIL Handbook 217-F @ TBD Hrs.	
Certifications	Designed to meet FCC, CE and EN/UL/TUV certifications where applicable	
Warranty	Two years	
Trademarks and logos	The Pixus Logo is a registered trademark of Pixus Technologies Inc. other registered trademarks are the property of their respective owners. Specs. subject to change without notice.	

Ordering Options
SHM100

SHM100-AB-CD-00J

A = ShMM Controller

    0 = ShMM-700 (PigeonPoint)
    1 = VT003 (VadaTech)
    2 = Other

B = Pitch

    0 = Standard (1.2")
    1 = Custom

C = Panel Interface

    0 = RS-232, Ethernet, Telco & LEDs
    1 = RS-232, Ethernet & LEDs
    2 = Custom

D = Temperature Range

    0 = Commercial (0 C to +55 C)
    1 = Industrial (-20 C to +70 C)

J = Conformal Coating

    0 = None
    1 = Humiseal 1A33 Polyurethane
    2 = Humiseal 1B31 Acrylic

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July 2016, R1.0