

PRODUCT CHANGE NOTICE

Date Submitted: **November 5, 2020**
 Model No.:
 Product Description:
 Customer P/N:
 Manufacturing Location(s) Affected: **China Zhongshan**

Contact: Richard Caubang
 Title: Technical Director
 Tel. No.: +1-760-710-9253
 Fax No.:
 E-mail Address: richard.caubang@aei.com

Reason(s) for Change:

- Update FW to from Rev 22 (V80.16.16) to Rev 23 (V80.17.17), contains all fixes to known firmware issues

Description of Change(s):

- Add access improvements to the power supply FRU data
- Fixed issue where iTHD was not optimal due to a bug in the model selection algorithm. The model byte may not written reliably into data flash, and incorrect PFC coefficients could be selected due to a corrupted model byte. No other parameter except iTHD relied on this model byte.
- Increase receiving baud rate of primary microcontroller to maintain communication at temperature extremes on some units due to part variation. The baud rate is now centered to eliminate synchronization issues in UART

Affected Area

- Electrical
- Components
 - Functional Tests
 - EEPROM
 - EEPROM Verification
- Mechanical
- Metal Parts
 - Plastic Parts
 - Labels
 - Insulators
 - Others:
 - Software
 - Firmware
 - Plug-In
 - Others Drawings

Impact of Change

- Form
- Fit
- Function
- Quality/Reliability
- Safety (CCC only)
- Tooling Cost: Est. Tooling Cost
- Schedule
- No Impact to Above Items

Revision Changes

- TLA Revision
- Model Revision
- Customer P/N
- Customer P/N Revision
- EEPROM
- Repair – FRU
- CLEI Code
- ECI Code
- Others:

Comments: The TLA is internal use for Artesyn

Change Applicable to:

- Vendor - Change will be implemented on all parts that are still with vendor, either in-process or pending delivery. This type of change will affect POs that are pending receipt from vendor.
- Warehouse - Change will be implemented on parts that are in receiving, already in stock or are pending issuance to Production by Warehouse.
- Work-in-Process (WIP) - Change will be implemented on parts that are already issued to the assembly line, ongoing assembly or awaiting assembly, ongoing testing or awaiting testing.
- Finished Goods (FG) Change will be implemented on Finished Goods awaiting shipment to the customer.
- Customer Inventory - Change will be implemented on all units in transit to customer, received at customer, in customer warehouse or customer WIP. This applies only to units are still untouched by customer and in original condition "as-shipped" by Artesyn. *BRMA is required*
- Field Units - Change will be implemented on all units physically integrated into customer products at customer FG, in HUBs or in transit to end-customer, at end-customer location or installed/operating in field application. *BRMA and customer field retrofit program is required*
- Returns for Repair - Change will be implemented on warranty returns from customer
- Not Applicable

Attachments

- Qualification Results
- PCB Layout
- Deviation List
- BOM
- Source List / AVL
- Process Instructions

Circuit Diagram

Component Specs

Others: PCN

Requested by:
Reviewed by:

Date:
Date:

IMPLEMENTATION DETAILS

Date: Nov 5, 2020

Serial No.:

ECO No.:

Comments: PMBus Register D9h is now v80.17.17 and register 9Bh is now Release -0023

Artesyn plans to implement the PCN in November 2020.

Full test qualification data is available upon request.

TO BE FILLED IN BY THE CUSTOMER

Approved

Disapproved

No action required (Notification only)

Name:

Signature:

Title:

Company:

E-mail Address:

Tel. No.:

Date:

Fax No.:

Reason(s) for rejection or qualifying conditions for acceptance: