






GLOBAL CUSTOMER PCN NOTIFICATION

PCN Number: C42623

PCN Notification Date	6/26/2014
Submitter's Name	Chelsey Gellett
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PCN Number	C42623
Description of Change	<p>1) Handle position and size has changed to a diagonal format to allow better handling/grip.</p> <p>2) FW improvement +12VSB turn-on delay is changed from 2 seconds to 3 seconds. Main output will only turn on (if enabled by PSKILL and PS0N) once +12VSB is in regulation.</p> <p>3) EMC (Conducted emission) improvement a) Input Board: Change C16 and C17 Y-Capacitors from 0.47nF to 2.2nF b) Input Board: Change C20 X-Capacitor from 0.33uF to 0.56uF c) Mainboard: Change C12 X-Capacitor from 1.5uF to 2.2uF d) Mainboard: Add copper shield to main transformer T15 e) PFC switching frequency reduced from 69KHz to 65KHz</p>
Reason for Change	<p>1) To improve operator comfort of PSU during Insertion and Extraction from the shelf.</p> <p>2) FW improvement. This to make sure that if a System Controller is powered from the +12VSB, then the System Controller is enabled first before the Main Output can be activated.</p> <p>3) Increase margin to EN 55022, conducted emission, Class A limits to more than 6dB.</p>
Summary of Changes Between New and Old Part	<p>1) PSU handle is more ergonomic for Insertion or Extraction of PSU on the system.</p> <p>2) +12VSB turn-on delay is increased, Main output can only turn on once +12VSB is in regulation.</p> <p>3) EMC improvement will increase the margin on Class A Conducted Emission from 3dB to more than 6dB.</p>
Traceability Guidelines (lot code/date code, markings, ship date)	<p>PFE3000-12-069RA Implemented on Rev V008 and higher, shown on product label</p>
Last Time Buy Date	N/A
Datasheet	PFE3000-12-069RA datasheet will be updated.
Qualification/Test Data	<div style="display: flex; justify-content: space-around; align-items: center;"> <div style="text-align: center;">  <small>3D_PFE3000-12-069RA_AC.zip</small> </div> <div style="text-align: center;">  <small>RPF3000-12-069RA Turn ON Test.pdf</small> </div> <div style="text-align: center;">  <small>Conducted Emission.pdf</small> </div> </div>
Impact on Reliability	None

Power-One Old PN or Process	Power-One New PN or Process	PCN Effective Date	Sample Availability Date	Last Date Manuf of Unchanged PN	Expected Customer Qualification Date
PFE3000-12-069RA	PFE3000-12-069RA	6/15/2014	Upon Order	6/15/2014	N/A