



XTM 8 Series De-manufacturing Instructions

Document Number: 480-2532-001

1.0 Purpose

This instruction defines the de-manufacturing process for the recovery of this product family as it pertains to recycling of the major product components.


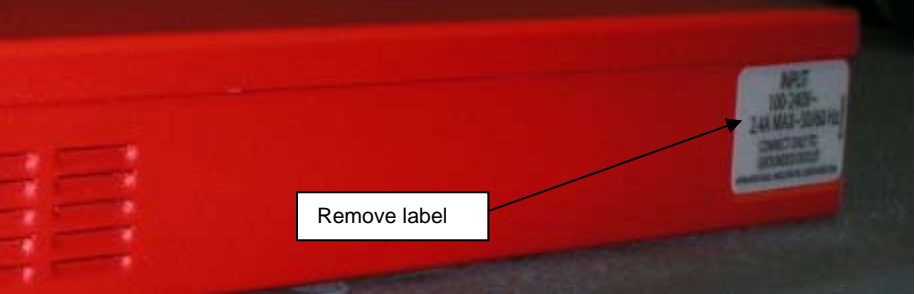

2.0 Scope

This instruction applies to the following product family and family part numbers.

Product Family Name	Family part #'s (not necessarily inclusive)
XTM 8 series	XTM 810, XTM 820, XTM 830, XTM 830-F; all revisions

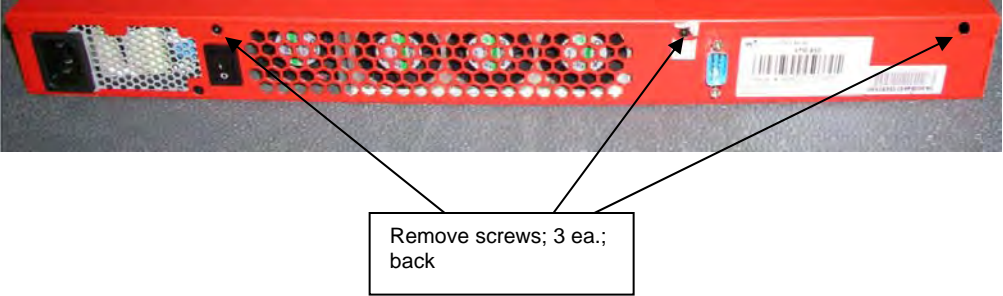

3.0 Instruction

3.1 -Remove labels

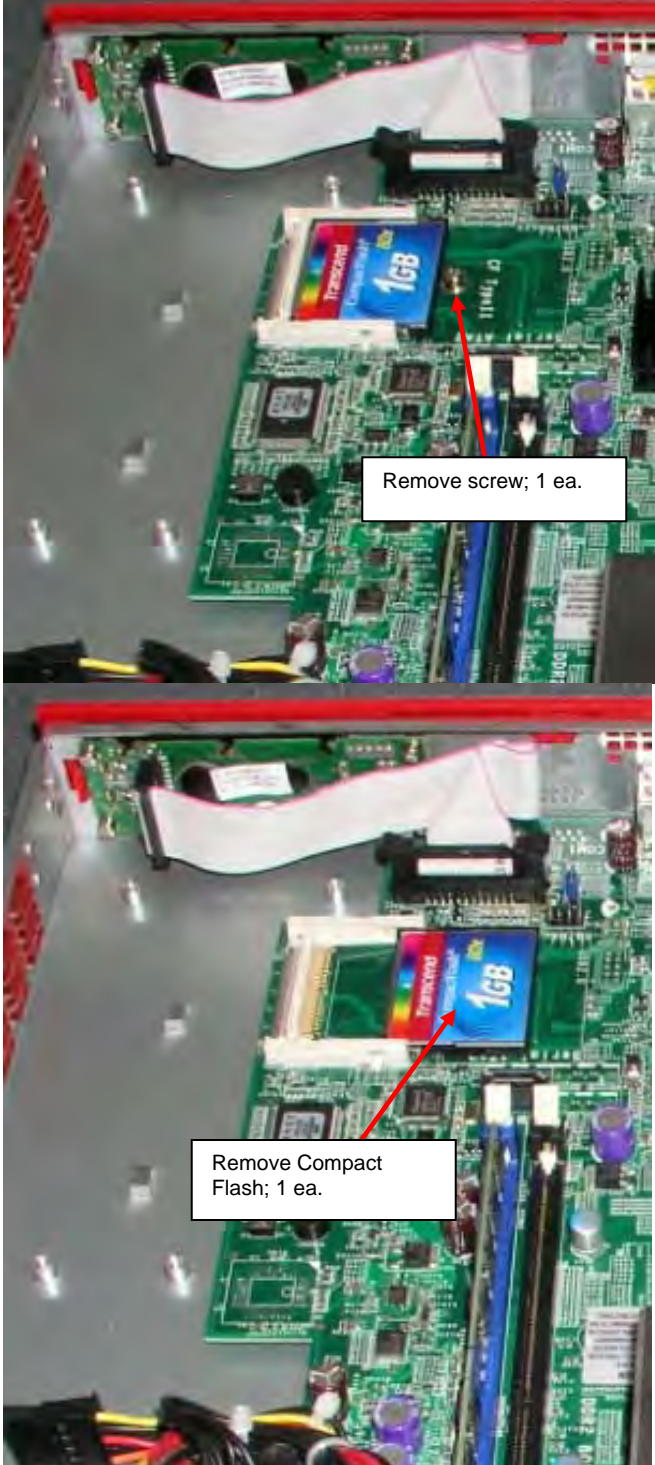
Material removed (part Desc or P/N & material type)	Instruction visual
<p>Labels Cert. label: 277-2265-105– Metalized poly-film; 1 ea. China RoHS label: 277-2722-001 – Poly-film; ea.</p>	
<p>Labels Input power: 277-3184-001 - Metalized Poly-film; 1 ea.</p>	
<p>Labels ODM Bar Code: 277-3100-001 - Poly-film; 1 ea. Warranty Void: 277-0230-001 – Poly-film; 1 ea. Product UPC/Serial: 281-32xx-001 - Poly-film; 1 ea.</p>	

Design for Manufacturing and Environment Document

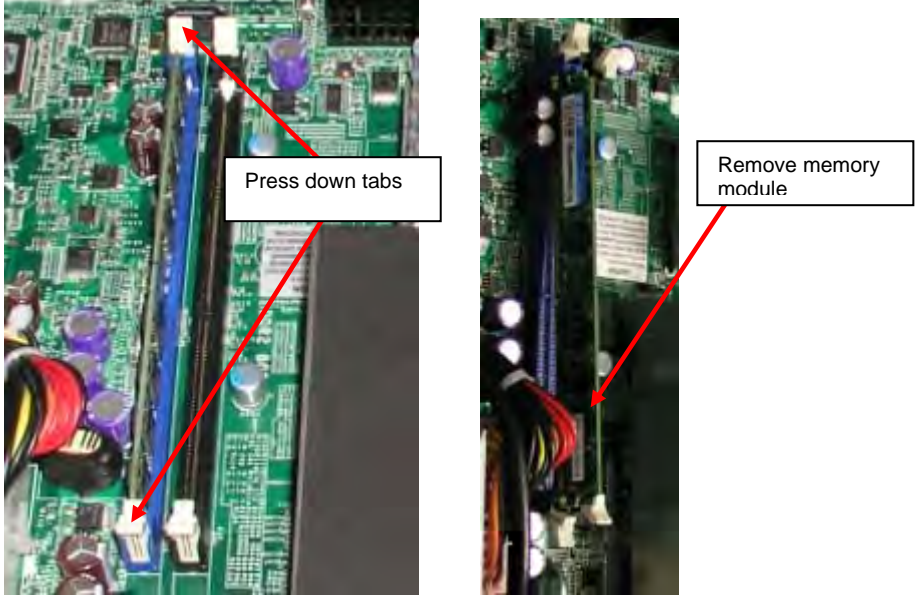
3.2 –Remove back screws holding chassis top to chassis bottom and remove top cover.

Material removed (part Desc or P/N & material type)	Instruction visual
<p>Screws 200-4506-242 - Philips flat head; black; 3 ea.</p>	 <p>Remove screws; 3 ea.; back</p>
<p>Chassis Top 212-3101-001- galvanized steel w/powder coat paint</p>	

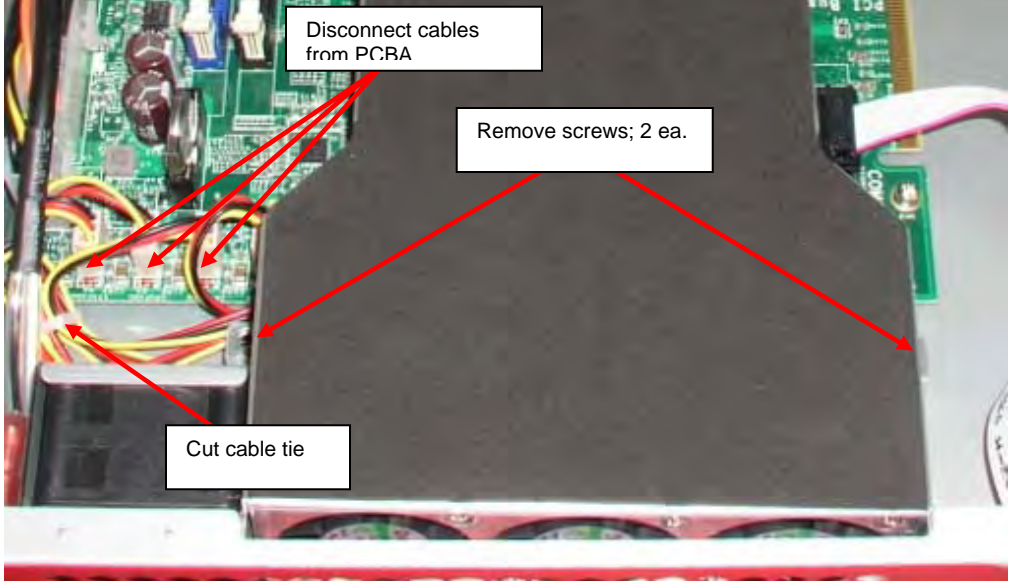
3.3 –Remove screw to the right of the compact flash and remove compact flash.

Material removed (part Desc or P/N & material type)	Instruction visual
<p>Screws 200-3706-002 – Philips pan-head w/locking washer; Steel/zinc; 1 ea.</p> <p>Compact Flash 121-0554-011 – 1GB Compact Flash, 1 ea.</p>	 <p>Remove screw; 1 ea.</p> <p>Remove Compact Flash; 1 ea.</p>

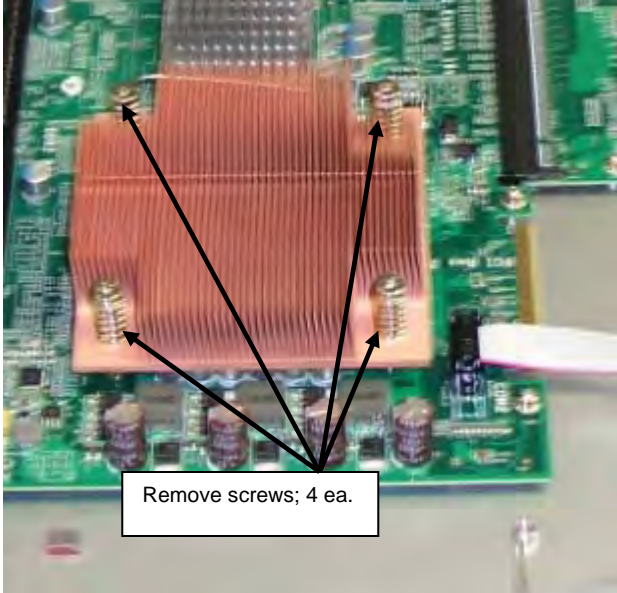
3.4 –Remove memory.

Material removed (part Desc or P/N & material type)	Instruction visual
<p>Memory 114-3228-001 – 2G DDR2 Memory Module; 1 ea.</p>	




3.5 – Remove fan assembly.

Material removed (P/N & material type)	Instruction visual
<p>Screws 200-7306-002 – Philips pan-head w/locking washer; Steel/zinc; 2 ea.</p> <p>Fan 145-3036-001 – 12V DC fan; 3 ea.</p> <p>Fan Duct 212-3145-001 – fan duct; 1 ea.</p>	

3.6 –Remove heatsink.

Material removed (P/N & material type)	Instruction visual
<p>Screws No WatchGuard part number – Philips flat-head; Steel/zinc; 4 ea.</p> <p>Heatsink 152-3170-001 – heatsink, 42 x 42 x 30mm, copper; 1 ea.</p>	 <p>Remove screws; 4 ea.</p>


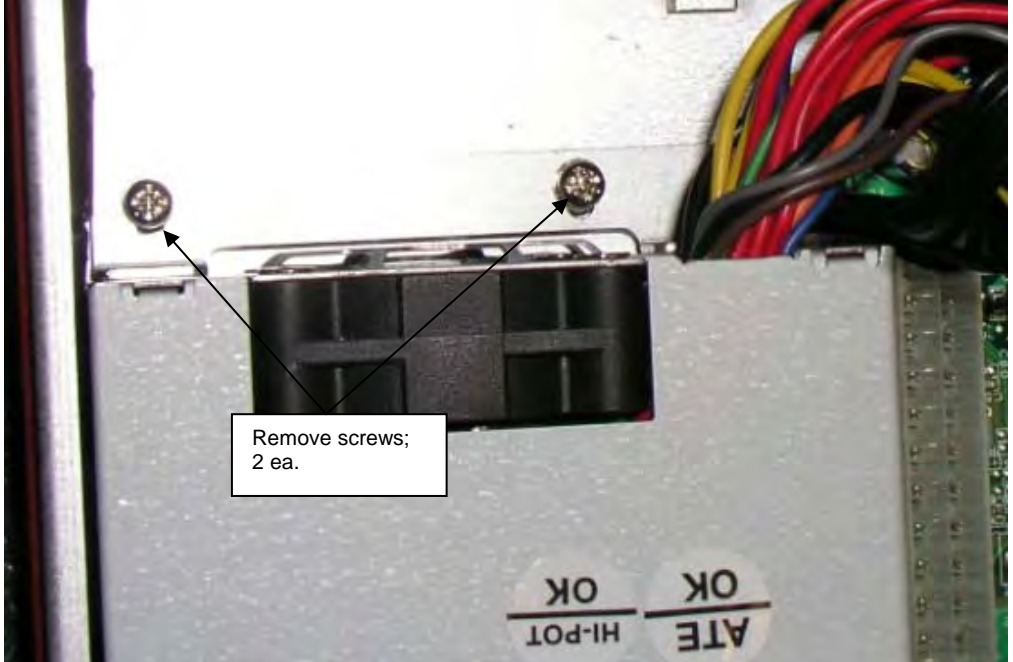
3.7 – Remove CPU

Material removed (P/N & material type)	Instruction visual
<p>CPU 113-3240-002 – CPU, Quad-Core, Q9400; 1 ea</p>	
<p>CPU 113-3240-002 – CPU, Quad-Core, Q9400; 1 ea</p>	 <p data-bbox="630 1079 826 1144">Unclatch lever</p> <p data-bbox="1062 1079 1258 1144">Open frame</p>
	

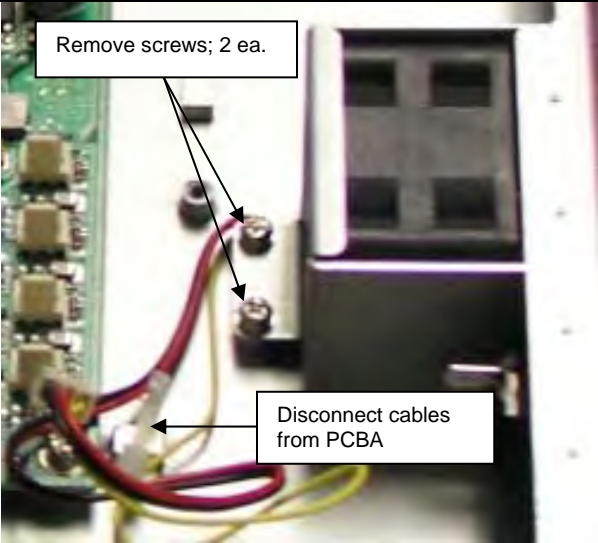
3.8 – Remove power supply

Material removed (P/N & material type)	Instruction visual
<p>Power Supply 140-3121-001 - 270W Power supply; 1 ea.</p>	

Design for Manufacturing and Environment Document

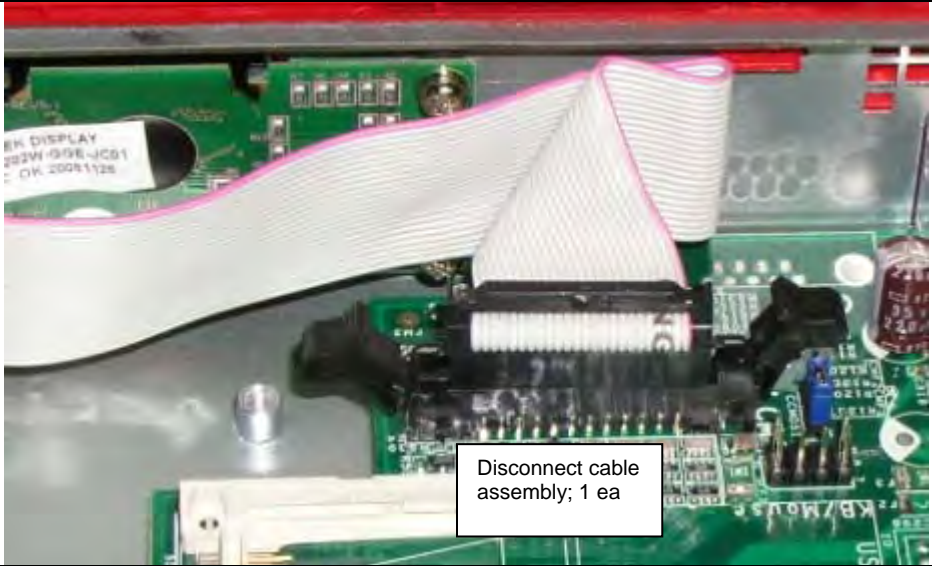

Material removed (P/N & material type)	Instruction visual
<p>Power Supply 140-3121-001 - 270W Power supply; 1 ea.</p>	 <p>Cut cable tie</p> <p>Disconnect cables from PCBA</p>
<p>Screws 200-7306-002 – Philips pan-head w/locking washer; Steel/zinc; 2 ea.</p> <p>Power Bracket 212-3477-001 – power bracket; 1 ea.</p>	 <p>Remove screws; 2 ea.</p>

3.9 – Remove power switch fan and bracket.

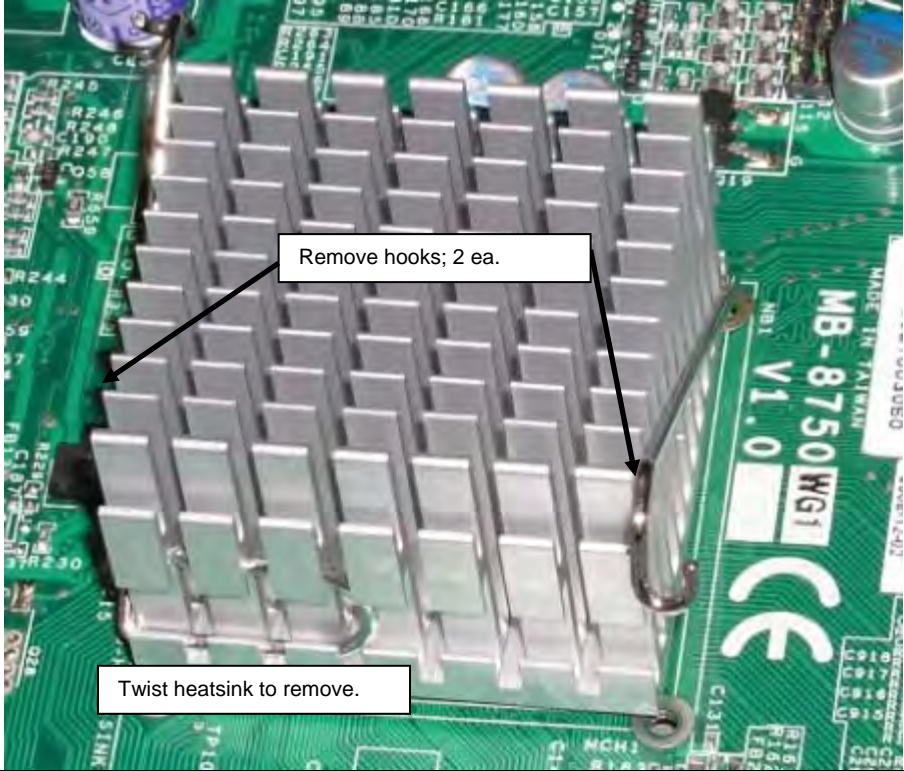
Material removed (P/N & material type)	Instruction visual
<p>Fan 145-3036-001 – 12V DC fan; 1 ea</p> <p>Fan Bracket 212-3476-001 – fan bracket; 1 ea.</p> <p>Screws 200-7306-002 – Philips pan-head w/locking washer; Steel/zinc; 2 ea.</p>	 <p>Remove screws; 2 ea.</p> <p>Disconnect cables from PCBA</p>

Design for Manufacturing and Environment Document

3.10 – Remove cables from motherboard PCBA.

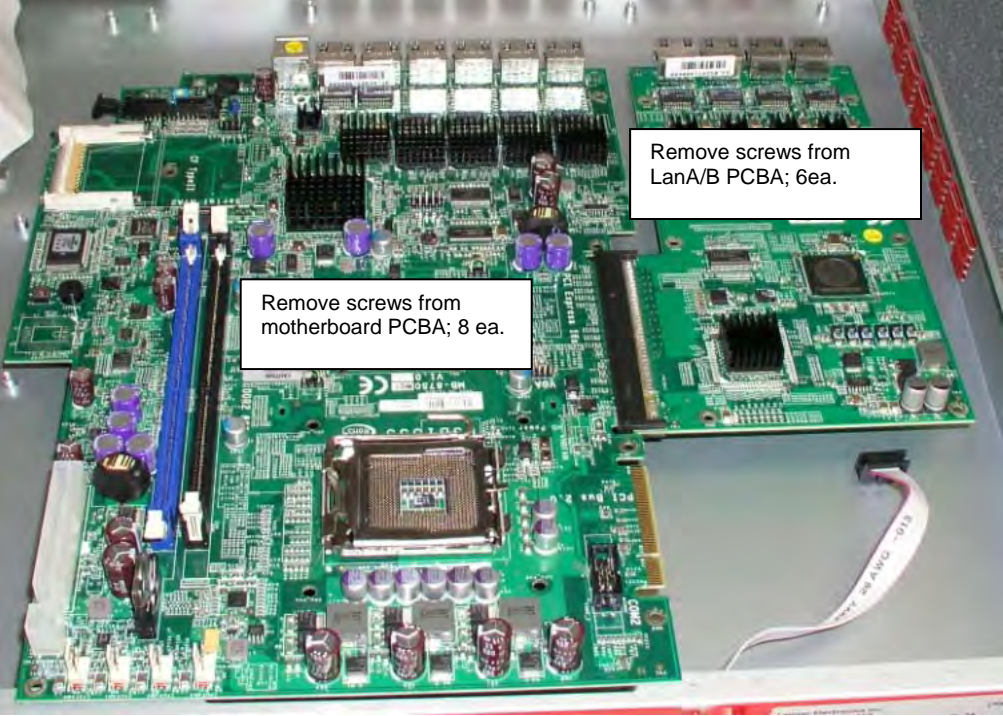

Material removed (P/N & material type)	Instruction visual
<p><u>Cable Assembly</u> 148-3481-001 – cable assembly, LCD, 24 pin to 24 pin; 1 ea.</p> <p><u>Main PCBA</u> 299-3111-001 – PCBA motherboard; 1 ea</p>	 <p>Disconnect cable assembly; 1 ea</p>
<p><u>Cable Assembly</u> 148-3482-001 – cable assembly, console; 1 ea.</p> <p><u>Main PCBA</u> 299-3111-001 – PCBA motherboard; 1 ea</p>	 <p>Disconnect cable assembly; 1 ea</p>

3.11– Remove heatsink from motherboard PCBA.

Material removed (P/N & material type)	Instruction visual
<p>Heatsink 152-3415-001 – heatsink, 20 x 20 x 10mm, adhesive, aluminum;1 ea.</p>	

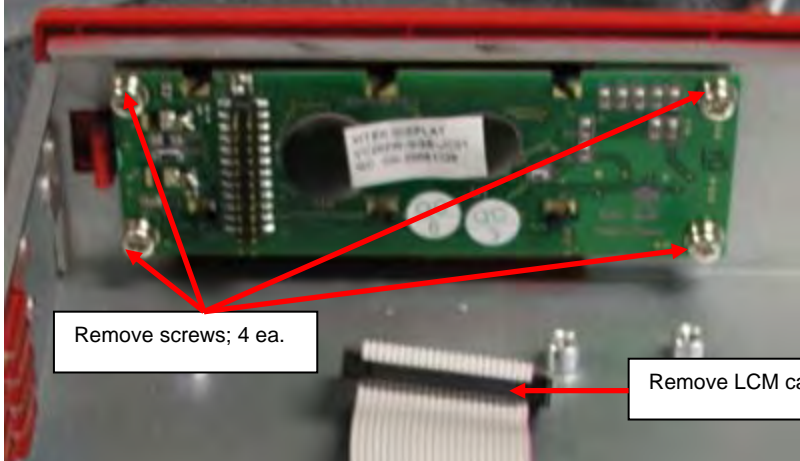
Design for Manufacturing and Environment Document

3.12 – Remove screws from motherboard PCBA and LanA/B PCBA. Detach the boards.


Material removed (P/N & material type)	Instruction visual
<p>Screws 200-7306-002 – Philips pan-head w/locking washer; Steel/zinc; 14 ea.</p> <p>Motherboard PCBA 299-3111-001 – PCBA, Motherboard; 1 ea.</p> <p>LAN-A PCBA 299-3190-001 – PCBA, LAN-A, 4 port copper; 1 ea (XTM10, XTM20, XTM30 only)</p> <p>LAN-B PCBA 299-3192-001 – PCBA, LAN-B, 4 port fiber; 1 ea (XTM30-F only)</p>	 <p>Remove screws from LanA/B PCBA; 6ea.</p> <p>Remove screws from motherboard PCBA; 8 ea.</p>
<p>Motherboard PCBA 299-3111-001 – PCBA, Motherboard; 1 ea.</p> <p>LAN-A PCBA 299-3190-001 – PCBA, LAN-A, 4 port copper; 1 ea (XTM10, XTM20, XTM30 only)</p> <p>LAN-B PCBA 299-3192-001 – PCBA, LAN-B, 4 port fiber; 1 ea (XTM30-F only)</p>	

Design for Manufacturing and Environment Document


3.13 – Remove LCM assembly from bottom chassis.

Material removed (P/N & material type)	Instruction visual
<p>Screws 200-7306-002 – Philips pan-head w/locking washer; Steel/zinc; 4 ea.</p> <p>LCD PCBA 299-3115-001 – PCBA, LCM display; 1 ea.</p> <p>Cable Assembly 148-3481-001 – cable assembly, LCD, 24 pin to 24 pin; 1 ea.</p>	 <p>Remove screws; 4 ea.</p> <p>Remove LCM cable; 1 ea.</p>

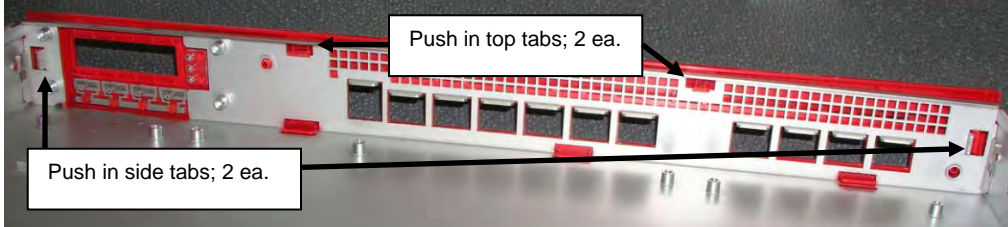
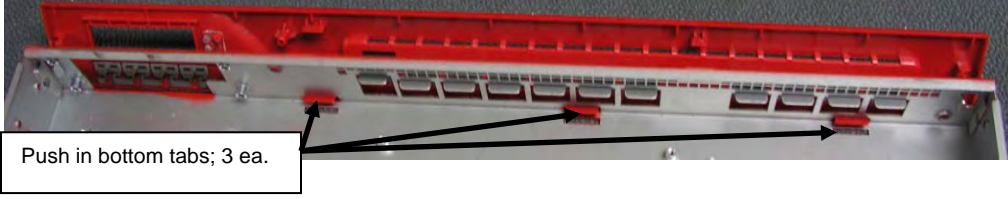
3.14 – Remove serial port

Material removed (P/N & material type)	Instruction visual
<p>Nuts No WatchGuard Part Number - hex nut; 4 ea.</p> <p>Cable Assembly 148-3482-001 – cable assembly, console; 1 ea.</p>	 <p>Remove hex nut; 2 ea.</p>

3.15 – Remove rocker switch.

Material removed (P/N & material type)	Instruction visual
<p>Rocker switch 175-3137-001 – switch, rocker, AC power; 1 ea.</p>	

3.16 – Remove bezel assembly.

Material removed (P/N & material type)	Instruction visual
<p>Bezel assembly 230-3100-001 – bezel assembly, red glossy, 10 port; 1 ea.</p>	
<p>Bezel assembly 230-3100-001 – bezel assembly, red glossy, 10 port; 1 ea.</p>	

4.0 Applicable Documents

5.0 Revision History

REV. NO.	REV. DATE	REVISED SECTION	REASON	ECO#
A	4/12/10	New document	Initial Release	1744