

	Doc or ECO #:	ECO-70155-001	Date:	05/18/2018	Author:	GD
	Rev. #:	A				
Replacing 3 obsolete ceramic capacitor	Engineering Approval:	aeg	Date:	6/18/2019	Quality Approval	DO

P/N #:	70155	Effective Date:	June 18, 2019
Title:	Replacing 3 obsolete capacitors		

1.0 Purpose / Summary

The 3 ceramic capacitors 0.1uF/50V, 10uF/50V and 10nF/50V 1.0uF/35V 0402 on MSS power converter module PCB have become obsolete. This ECO addresses the implementation of the replacement of the capacitors in question.

2.0 Parts Affected

Part Number	Notes	Removed	Added	New	Modified
C1608X7R1H104K080AA	0.1uF 50V 10% X7R 0603 Ceramic Capacitor	☐	☐	☐	☒
GRM31CR61H106KA12L	10uF 50V 10% X5R 1206 Ceramic Capacitor	☐	☐	☐	☒
C1608X7R1H103K080AA	10nF 50V 10% X7R 0603 Ceramic Capacitor	☐	☐	☐	☒

3.0 Detail

The MSS power converter module PCB electronics uses above said capacitors at various locations. The specific capacitors used on this PCB have become obsolete (P/N are in section 2.0 table) and as a result the Power Converter PCB (70155) BOM should be updated with the new replacement (P/N CGA3E2X5R1H104M080AA, GRT31CR61H106KE01L, UMK107B7103KAHT). This ECO records new changes together with subsequent follow up actions in related departments.

4.0 Disposition of Material

No rework of old stock.

This is just a cross replacement for an unavailable part.

5.0 Action Items

Action	Department	Acknowledgement Initials
Updated PCB BOM reflect the updated part numbers (CGA3E2X5R1H104M080AA, GRT31CR61H106KE01L, UMK107B7103KAHT)	Engineering	GD
Update SharePoint Records	Engineering	AEG
Inform subcontractors of part cross and supply new PCB BOM	Engineering	GD

	Doc or ECO #:	ECO-70155-001	Date:	05/18/2018	Author:	GD
	Rev. #:	A				
Replacing 3 obsolete ceramic capacitor	Engineering Approval:	aeg	Date:	6/18/2019	Quality Approval	DO

6.0 Modified / Referenced Documents:

Document	Current Revision
Click here to enter text.	Click here to enter text.

7.0 Revision History

Date Revised (mm-dd-yyyy)	Location of Change (section, paragraph no., step no., etc.)	Description of Change Made	Name of Person making the Change