

	Doc or ECO #:	ECO-70041-004	Date:	04/06/2018	Author:	GD
	Rev. #:	B				
Replacing obsolete 1uF/35V ceramic capacitor	Engineering Approval:	aeg	Date:	4/6/2018	Quality Approval	DO

P/N #:	70041	Effective Date:	April 6, 2018
Title:	Replacing obsolete 1.0uF/35V 0402 Ceramic capacitor		

1.0 Purpose / Summary

The 1.0uF/35V 0402 Ceramic capacitor on MSS motor controller PCB has become obsolete. This ECO addresses the implementation of the replacement of the capacitor in question.

2.0 Parts Affected

Part Number	Notes	Removed	Added	New	Modified
C1005X5R1V105M050BC	1.0uF/35V 0402 Ceramic capacitor	☐	☐	☐	☒

3.0 Detail

The MSS motor controller PCB electronics uses 1.0uF/35V ceramic capacitors at locations C3, C7, and C12. The specific capacitor used for this purpose has become obsolete (P/N C1005X5R1V105M050BC) and as a result the motor controller PCB (70041) BOM has to be updated with the new placement (P/N C1005JB1V105M050BC). 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 number (C1005JB1V105M050BC)	Engineering	GD
Update Sharepoint Records	Engineering	AEG
Inform subcontractors of part cross and supply new PCB BOM	Engineering	GD

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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
4/6/2018		Init rev	GD
4/6/2018	Details	Corrected wrong P/N reference	AEG