

	Doc or ECO #:	ECO-PN4-003-006	Date:	01/30/2018	Author:	GD
	Rev. #:	A				
Replacing obsolete 384V to 12V DC-DC	Engineering Approval:	aeg	Date:	01/30/2018	Quality Approval	DO

P/N #:	PN4-003	Effective Date:	January 30, 2018
Title:	Replacing obsolete 384V to 12V DC-DC		

1.0 Purpose / Summary

The 384V to 12V DC-DC converter on Pro4 ICB panel power PCB has become obsolete. This ECO addresses the implementation of the replacement of the converter in question.

2.0 Parts Affected

Part Number	Notes	Removed	Added	New	Modified
B384F120T30	BCM 384V to 12V 300W	☐	☐	☐	☒

3.0 Detail

The Pro4 Panel ICB power PCB electronics uses a 384V to 12V DC-DC converter to generate the required 12V power at 300W for various uses. The specific DC-DC converter used for this purpose has become obsolete (P/N B384F120T30 from Vicor) and as a result the Pro4 ICB Panel Power PCB (PN4-003) BOM has to be updated with the new placement (P/N BCM384F120T300A00 from Vicor). 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 with B384F120T30 to reflect the updated part number (BCM384F120T300A00)	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