

	Doc or ECO #:	ECO-71095-004	Date:	10/30/2019	Author:	GD
	Rev. #:	A				
Engineering Change Order (ECO)	Engineering Approval:	Aeg	Date:	11/18/2019	Quality Approval	DO

P/N #:	71095	Effective Date:	November 18, 2019
Title:	Replacing obsolete M100 modem		

1.0 Purpose / Summary

The M100 Ethernet Modem Board (De-cased) (VR PN: 50153) is obsolete and a new modem assembly, RAK Modem G100 Topside Assembly (72246), has been introduced to replace the outgoing M100 modem used inside MSS Panel Assembly (71095).

2.0 Parts Affected

Part Number	Notes	Removed	Added	Modified	REV
71095	MSS Panel Assembly	☐	☐	☒	H
70218	MSS ICB Assembly	☐	☐	☒	F
50153	M100 Ethernet Modem Board (De-cased)	☒	☐	☐	A
72246	RAK Modem G100 Topside Assembly	☐	☒	☐	A

3.0 Detail

The M100 modem is used on MSS Panel Assembly to convert 4 wire Ethernet to 2 wire Ethernet and vice versa for Ethernet communication between the ROV and the top side ICB panel. The M100 has become obsolete and a new modem assembly based on LX200V30 (RAK) Modem has been designed to replace the M100 modem. This ECO deals with all changes involved is the replacement of M100 modem with new RAK modem assembly.

Note 70218 had been revved to F to capture this change at a higher level.

4.0 Disposition of Material

The remaining (If any) stock of M100 should be used in production.

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5.0 Action Items

Action	Department	Acknowledgement Initials
UPDATE BOM-71095	ENGR	GD
UPDATE EPICOR BOM	ENGR	RN
UPDATE WI-70218 - MSS Panel Assembly	ENGR	JV
CREATE 71095.PDF- MSS Panel Assembly Drawing	ENGR	JV

6.0 Modified / Referenced Documents:

Document	Current Revision
WI-70218 - MSS Panel Assembly	C
74426.PDF - RAK modem G100 Topside Assembly Drawing	A
71095.PDF- MSS Panel Assembly Drawing	A

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
11/18/2019		Initial release	GD