

	Doc or ECO #:	ECO-70696-001	Date:	10/30/20	Author:	Aeg
	Rev. #:	A				
Engineering Change Order (ECO)	Engineering Approval:	Aeg	Date:	10/30/20	Quality Approval	aeg

P/N #:	70696	Effective Date:	October 2, 2020
Title:	Seatrak USBL cable upgrades		

1.0 Purpose / Summary

Blueprint labs updated their cabling.

They also switched the USB-RS485 FTDI device

2.0 Parts Affected

Part Number	Notes	Removed	Added	Modified	REV
70696	Blueprint USBL complete kit	☐	☐	☒	D
72031	Older RS232 USB adapter	☒	☐	☐	A
72999	Seatrak Deck Lead Splitter (USB/Power)	☐	☒	☐	A
71821	Blueprint Subsea Deck Cable	☐	☐	☒	B

3.0 Detail

All topside cables switched to Souriau connectors. The deck lead splitter was changed to a single integral cable. Since blueprint provides the complete connector set, there is no impact other than differences with older systems. (see below for new Souria cables).

The FTDI RS-232 to USBL dongle product code changed. This necessitated an update to the UDEV rules, which are backwards compatible.

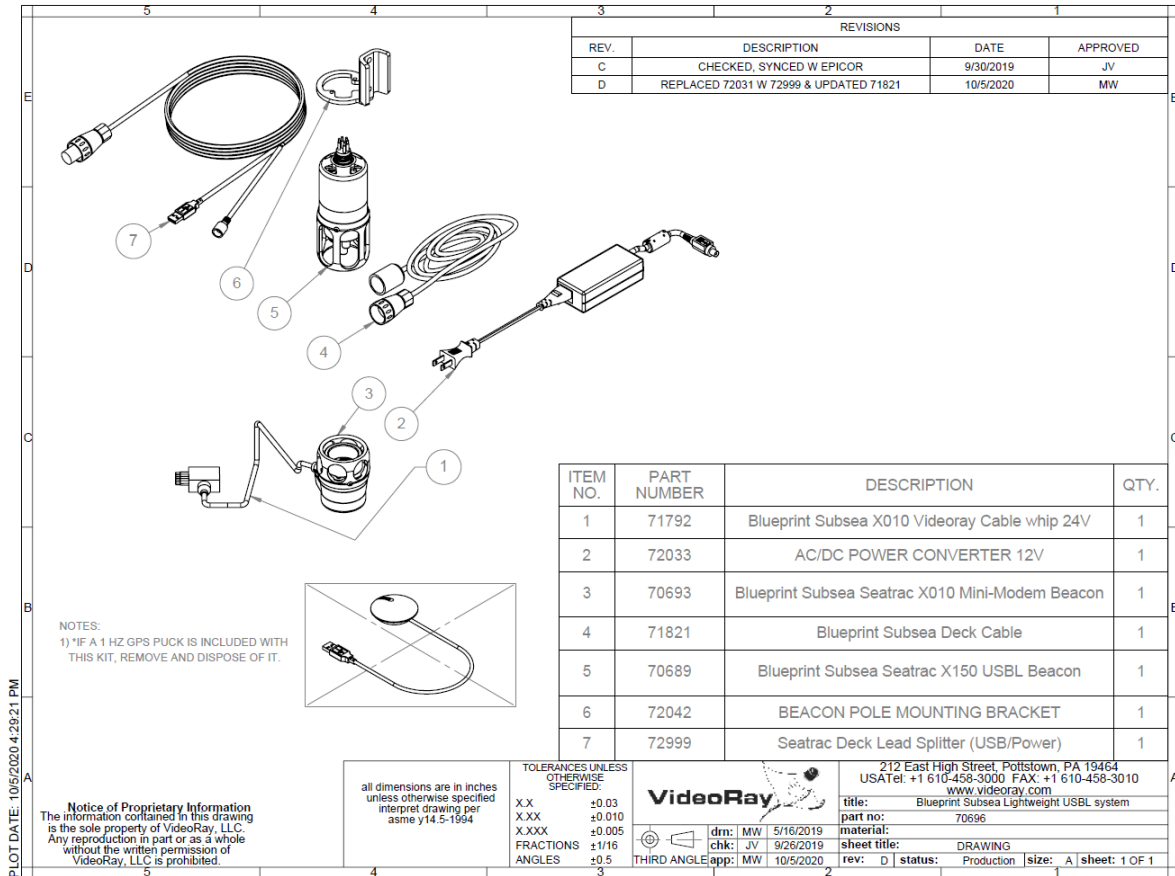
The older RS232 USB cable and deck lead splitter were swapped out for the new cable and the general assemblies were updated to match current look of cables.

Blueprint also developed some new documentation for the cables:

UM-140-P01095-03 SeaTrac Cabling and Connectors Guide

Note: There were previous bom modifications to 70696 not captured in ECOs.

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Updated GA for USBL kit

4.0 Disposition of Material

No disposition required. All old stock was depleted.

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5.0 Action Items

Action	Department	Acknowledgement Initials
Update epicor	Eng	aeg
Provide UDEV .deb on ftp site.	Eng	aeg
Add blueprint cable doc to RTM dir	Eng	aeg

6.0 Modified / Referenced Documents:

Document	Current Revision
UM-140-P01095-03 SeaTrac Cabling and Connectors Guide	.3 June 2020

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