

Title of Change:	XL Temperature Compensation Improvements
Changed Material First Ship Date:	TBD
Current Material Last Order Date:	TBD
Current Material Last Delivery Date:	TBD
Product Category:	XL Ultrasonic Sensor
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Sample Availability Date:	08/03/2022

Change Category	Type of Change
Firmware	Firmware was updated to improve reliability of sensors at extreme temperatures

Description and Purpose:

The firmware on our XL-MaxSonar-EZ, XL-MaxSonar-AE, and I2CXL-MaxSonar-EZ sensors has been updated with improvements that allow them to better compensate for temperature. This makes the sensor more reliable when operating near the edges of its operating temperature.

Changed Item	Before Change Description	After Change Description
Firmware	Sensors could report minimum distance when exposed to extreme temperatures.	This behavior has been made much less likely to occur throughout the operating temperature range.

Reason / Motivation for Change:	Improve reliability of sensor through temperature.
Anticipated impact on fit, form, function, reliability, product safety, electrical characteristics, or manufacturability:	Sensors will be more reliable at extreme temperatures.

List of Affected Parts:

Current Part Number	New Firmware Version Number
MB1200-000	2.1
MB1200-040	2.1



MB1202-000	1.5
MB1202-040	1.5
MB1210-000	2.1
MB1210-040	2.1
MB1212-000	1.5
MB1212-040	1.5
MB1220-000	2.1
MB1220-040	2.1
MB1222-000	1.5
MB1222-040	1.5
MB1230-000	2.1
MB1230-040	2.1
MB1232-000	1.5
MB1232-040	1.5
MB1240-000	2.2
MB1240-040	2.2
MB1242-000	1.5
MB1242-040	1.5
MB1260-000	2.1
MB1260-040	2.1
MB1261-000	2.2
MB1261-040	2.2
MB1300-000	2.1
MB1300-040	2.1
MB1310-000	2.1
MB1310-040	2.1
MB1320-000	2.1
MB1320-040	2.1



MB1330-000	2.1
MB1330-040	2.1
MB1340-000	2.1
MB1340-040	2.1
MB1360-000	2.1
MB1360-040	2.1
MB1361-000	2.2
MB1361-040	2.2