JACKSON LABS

ECN #: 80200667   DATE: 11-JUN-2021
REV #: 1.1

ENGINEERING CHANGE NOTIFICATION

CHANGE TYPE:	HW_FW Modification	REASON FOR CHANGE:	Component Obsolete
DESCRIPTION:	The processor on Mini JLT has reached end of life. The processor has been replaced with similar parts. Firmware is updated to 3.12 to support the new processor.		

Products Affected	
Product Families	**Models**
Mini JLT	All Mini JLT model variants

Detailed Change Notes:

Issue 1: Processor on the above listed product family has reached end of life.

Resolution: The processor was replaced with a similar processor in production that is form, fit, and function compatible. FW revision 3.12 was released to support the new processor while maintaining functional compatibility.

Issue 2: The new processor allows higher clock rates for increased time capture resolution.

Resolution: Firmware revision 3.12 improves the time capture resolution from ±8ns to ±5ns using the higher clock rates, while maintaining power consumption at the current specifications. Increased time capture resolution results in improved oscillator stability while locked to GPS.

Reference Documents / Attachments

N/A

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PLEASE CONTACT JACKSON LABS TECHNOLOGIES, INC. WITH ANY QUESTIONS