

	Doc or ECO #:	ECO-71327-001	Date:	4/10/2019	Author:	CH
	Rev. #:	B				
Engineering Change Order (ECO)	Engineering Approval:	Aeg	Date:	4/11/2019	Quality Approval	DO

P/N #:	71327	Effective Date:	April 11, 2019
Title:	HD Monitor Grounding		

1.0 Purpose / Summary

HD monitor for MSS ICB will include a ground strap to avoid potential erratic behavior with the cursor when connected to a computer.

2.0 Parts Affected

Part Number	Notes	Removed	Added	Modified	REV
71327	Rev was increased to C	☐	☐	☒	C

3.0 Detail

HD monitors for the MSS ICB displayed erratic behavior with the cursor when connected to the ML100 computer. This happened when new cables, between the computer and the monitor, were introduced by the supplier. Due to the new unterminated shielding on the cables, noise was introduced into the digital signal on the USB touch screen.

To suppress the noise on the digital signal from the touch screen, the main display controller and the touch screen controller PCBs were grounded together with a jumper cable. This will make sure both boards are on the same ground plane and minimize unwanted noise on the digital signals.

All monitors in stock have been reworked by production. All new assemblies will include the ground jumper cable from supplier.

4.0 Disposition of Material

NA

5.0 Action Items

Action	Department	Acknowledgement Initials
Update PN 71327 to RevC in Epicor	PE	CH
Update Incoming QC Inspection Sheet	QA	DO

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6.0 Modified / Referenced Documents:

Document	Current Revision
NA	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
4/10/2019		Initial Release	CH
5/20/2019	Title block	Correct typo in effective date	AEG