

	Doc or ECO #:	ECO-52085-002	Date:	4/6/2018	Author:	CH
	Rev. #:	A				
USB HUB Mounting Screws	Engineering Approval:	AEG	Date:	4/6/2018	Quality Approval	DO

P/N #:	52085	Effective Date:	April 6, 2018
Title:	USB HUB Mounting Screws		

1.0 Purpose / Summary

Pro4 Sabrent USB HUBs PN 52085 will be mounted on the accessory board using 2-56 x 1/2" SS screws.

2.0 Parts Affected

Part Number	Notes	Removed	Added	New	Modified
52085	Sabrent USB HUB De-Cased	☐	☐	☐	☒
91772A081	Screw #2-56 x 1/2" Pan Head Phillips SS	☐	☒	☐	☐

3.0 Detail

Originally D-link USB HUBs were mounted using SS screws to secure the HUB to the Pro4 accessory board. This will result in some HUB failures, due to the heads of the SS screws being close to surrounding components and causing shorts. As a solution, plastic screws were introduced as replacements for the SS screws.

The D-Link HUB was replaced with the Sabrent HUB due to issues with the DVD maker, but the plastic screws were still in use. QC has recently reported plastic screws breaking upon incoming QC and production is reporting same failure when reworking units. This will cause the USB to hang free and potentially shorting some components.

After further looking into the Sabrent USB HUB, the mounting points on the hub do not have any surrounding components. This allows the use of SS screws to securely mount the Sabrent USB HUB to the accessory board. As of the release of this ECO, all Sabrent USB HUBs will be mounted on the accessory using 2-56 x 1/2" SS screws.

4.0 Disposition of Material

Stock should be reworked

Repairs should implement this ECO on all returned ICBs

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5.0 Action Items

Action	Department	Acknowledgement Initials
- Notify PPI of the changes stated above. - Provide applicable documentation to Pro4 panel assemblers including ECO-52085-002	Purchasing	NS
Implement 2-56 x ½" Screws when mounting Sabrent USB HUB	Production	KK
Reference PN 51010 and 51011 for incoming panel assemblies from PPI	QC	DO

6.0 Modified / Referenced Documents:

Document	Current Revision
N/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
4/6/2018		Initial release	CH