Notification Date: November 5, 2020

Change Notification : PC201105

Product Affected: Product enhancement notification of the MK-070C-HP, 7 Inch Capacitive High Performance GEMmodules, with part number change to the AM070RVH02.
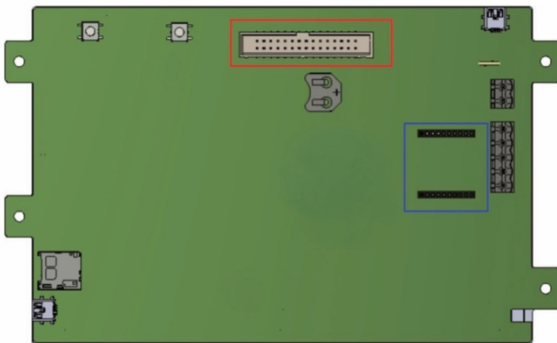
Reason for Change: To improve EMI mitigation, hardware component changes and PCB layout changes were implemented.

Recommended Action: Mechanical dimensions were not changed providing a drop in replacement to the MK-070C-HP. Minimial firmware changes were made only requiring a project recompile without the need to edit any settings or change any source files. Review the described changes below and contact Amulet technical support (support@amulettechnologies.com) for the latest GEMstudio compiler.

Change Description:

Current Part Number	Replacement Part Number	Description
MK-070C-HP STK-070C-HP	AM070RVH02	High performance 7 Inch capacitive display module.

The unused 30-pin header and xbee socket headers were removed.

The 30-pin connector header was removed

XBee headers were removed

Note that 2-pin power header, 5-pin RS485/RS232 signal header, USB connectors, and SDcard slots remain and were not changed.

For any customers currently requiring the 30-pin connector header or XBEE headers on the MK-070C-HP, please immediately contact Amulet sales department at sales@amulettechnologies.com

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Internal display cache changed from 4Gb to 2Gb.

Customer Impact of Change: Besides the absence of the headers mentioned above, the hardware and software changes to improve the EMI mitigation did alter timing, which affects internal display and touch firmware.
The internal firmware changes remain invisible to the customer, but do necessitate the use of a new version of GEMstudio Pro, and requiring a project **recompile**.

GEMstudio Pro 4.0 or later has the newest compiler which includes the feature to automatically compile to both the MK-070C-HP and AM070RVH02 display modules.

Contact Information: Please contact Amulet Technologies at sales@amulettechnologies.com or call 408-374-4956 x1115.

Product technical support will be provided for any units purchased for up to 1 year past the purchase date.

Product warranty remains at 1 year past the purchase date.