



SECM112 Product Family

SECM112 MY18 Changes

Product Change/Improvement

This notice is to inform you of product improvements made to the SECM112 products. Changes were necessary because SECM112 MY12 modules experienced component obsolescence. The changes in SECM112 MY18 modules provide more drive capability and an improved robustness in EMC environment

The impact of these changes are minimal and there is functional transparency to its predecessor SECM112 MY12 modules. The changes in SECM112 MY18 are described below

Description

Change	Reason for Change
Removed LS016-19 from the design	Non-populated on SECM112 MY12 modules
Removed EST1-8 from the design	Non-populated on SECM112 MY12 modules
Replaced H1 driver device to use TI DRV8703	H1 driver has been obsoleted by the manufacturer
Added H3 Bridge driver	Provides more functional drive capability
EMC performance improvement	PCB re-layout to improve EMC and robustness to field operation
Lead-free solder paste applied	Lead-free meets China manufacturing regulations
Over-voltage clamp level changed	Clamping level increased to avoid thermal stress

Corrective Action

All changes have been verified and validated and meet the product's requirements.

Customer Action

SECM112 MY12 Module:

Please inform Woodward of any last-time buy needs for the SECM112 MY12. Woodward will provide an EOL notification on the module when information is available.

SECM112 MY18 Module:

Woodward recommends customer should re-evaluate their system requirements and consider switching to the SECM112 MY18 modules soon. Application software must be recompiled to target SECM112 MY18 modules. MotoHawk 2018bSP0 or higher is required for SECM112 MY18 modules.

SECM112 Model Year Transition Cross Reference

MY12 Module	MY18 Module	Hardware Configuration
1751-6601	1751-6815	6-Cylinder, H1&H2 Bridge, 4M Memory Size
1751-6605	1751-6812	6-Cylinder, H1&H2 Bridge, 2M Memory Size

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