

48-PIN ECM/GCM/HCM & Connectors Obsolescence and Last Time Buy

Product Change

Woodward has been notified by TE Connectivity that the connector used on our 48-pin engine control modules and the mating wiring harness connectors are becoming obsolete. This obsolescence will affect all GCM-48, HCM-48, and ECM-48 modules that run on the Motohawk software. Older harnesses for the EGS02 (PCM128-HD) and our 80-pin and 24-pin modules, which are already obsolete, will also be affected.

Woodward can submit a last-time buy for the modules and mating connectors, and we are offering a last-time buy to our customers. Please contact your Sales Manager to ensure that your Last Time Buy (LTB) orders are placed by February 28, 2024. The last delivery will be before the end of 2025.

Replacement Options

There is no direct substitute or equivalent for this module. All current and former customers of the 48-pin module should purchase LTB quantities sufficient to support remaining production and all potential service parts.

For conversion of new production applications, the SECM70 product line is the next generation of controller covering similar applications. Motohawk applications designed for the 48-pin modules will require re-engineering by the application owner to port to the 70-pin modules. Refer to the SECM70 hardware manual, 35088. The manual can be found on Woodward's website: [Search | Woodward](#)

Affected Part Numbers

Below is a list of affected part numbers:

Module Kits and Module Part Numbers

Kit Part Number	Module Part Number (Modules may be used in multiple kits)	Module Description
HCM563-48		
1751-6473	1751-6361	MODULE - HCM05630480806F00, MII (FLASH) (HCM480806)
8923-1607	1751-6354	MODULE - HCM05630480804F00, TVM (FLASH) (HCM480804)
8923-1609	1751-6358	MODULE - HCM05630480805F00, HLA (FLASH) (HCM480805), 48 PIN
8923-1611	1751-6361	MODULE - HCM05630480806F00, MII (FLASH) (HCM480806)
8923-1665	1751-6361	MODULE - HCM05630480806F00, MII (FLASH) (HCM480806)
8923-1709	1751-6506	MODULE - HCM05630480804CP0, TVM48 (CALIBRATIBLE)(HCM48DEV0804)
8923-1727	1751-6528	MODULE - HCM05630480806CP0, MII (CALIBRATIBLE) (HCM48DEV0806)
8923-1728	1751-6529	MODULE - HCM05630480806CP0, MII (CALIBRATIBLE) (HCM48DEV0806)
8923-3185	1751-6361	MODULE - HCM05630480806F00, MII (FLASH) (HCM480806)
8923-3189	1751-6361	MODULE - HCM05630480806F00, MII (FLASH) (HCM480806)

Module Kits and Module Part Numbers (cont'd.)

Kit Part Number	Module Part Number (Modules may be used in multiple kits)	Module Description
GCM563-48		
8923-1591	1751-6326	MODULE - GCM05630480803F00, CCM (FLASH) (GCM480803)
8923-1593	1751-6332	MODULE - GCM05630480804F00, SIM (FLASH) (GCM480804)
8923-1711	1751-6508	MODULE - GCM05630480803CP0, CCM (CALIBRATIBLE)(GCM48DEV0803)
8923-1712	1751-6509	MODULE - GCM05630480804CP0, SIM (CALIBRATIBLE)(GCM48DEV0804)
8923-2109	1751-6692	MODULE - GCM05630480806 - SIM (FLASH) W/O H-BRIDGE (GCM480806)
ECM563-48		
1751-6110	1751-6068	MODULE - CONTROL, SECM48 FLASH, ECM05630480705F00 (ECM480705 FLASH)
1751-6475	1751-6068	MODULE - CONTROL, SECM48 FLASH, ECM05630480705F00 (ECM480705 FLASH)
1751-6562	1751-6068	MODULE - CONTROL, SECM48 FLASH, ECM05630480705F00 (ECM480705 FLASH)
1751-6655	1751-6068	MODULE - CONTROL, SECM48 FLASH, ECM05630480705F00 (ECM480705 FLASH)
8237-1426	1751-6511	MODULE - ECM05630480705CP0, ECM48DEV0705 CALIBRATIBLE
8237-1521	1751-6068	MODULE - CONTROL, SECM48 FLASH, ECM05630480705F00 (ECM480705 FLASH)
8262-3077	1751-6511	MODULE - ECM05630480705CP0, ECM48DEV0705 CALIBRATIBLE
8514-076	1751-6068	MODULE - CONTROL, SECM48 FLASH, ECM05630480705F00 (ECM480705 FLASH)
8514-079	1751-6068	MODULE - CONTROL, SECM48 FLASH, ECM05630480705F00 (ECM480705 FLASH)
8515-039	1751-6068	MODULE - CONTROL, SECM48 FLASH, ECM05630480705F00 (ECM480705 FLASH)
8923-1565	1751-6407	MODULE - ECM05630480701F00, ECM480701 SECM (FLASH) - INDUSTRIAL
8923-1568	1751-6410	MODULE - ECM05630480704F00, ECM480704 (FLASH)
8923-1571	1751-6068	MODULE - CONTROL, SECM48 FLASH, ECM05630480705F00 (ECM480705 FLASH)
8923-1715	1751-6511	MODULE - ECM05630480705CP0, ECM48DEV0705 CALIBRATIBLE
8923-1716	1751-6527	MODULE - ECM05630480704CP2, ECM48DEV0704 (CALIBRATIBLE)
8923-1732	1751-6533	MODULE - ECM05630480701CP1, ECM48DEV0701 SECM (CAL) - INDUSTRIAL
8923-1807	1751-6068	MODULE - CONTROL, SECM48 FLASH, ECM05630480705F00 (ECM480705 FLASH)
ECM555-48		
8923-1546	1751-6385	MODULE - ECM05550480716F00, ECM0716 PROD L4NA (FLASH)
8923-1548	1751-6387	MODULE - ECM05550480719F00, ECM0719 PROD OB-F2 (FLASH)
8923-1552	1751-6391	MODULE - ECM05550480718F00, ECM0718 PROD MC-SB (FLASH)
8923-1707	1751-6504	MODULE - ECM05550480719CP0, ECMDEV0719 OB-F2 (CALIBRATIBLE)
8923-1729	1751-6530	MODULE - ECM05550480716CP0, ECMD0716 L4NA (CALIBRATIBLE)
8923-1730	1751-6531	MODULE - ECM05550480718CP0, ECMDEV0718 MC-SB (CALIBRATIBLE)
8923-1818	1751-6391	MODULE - ECM05550480718F00, ECM0718 PROD MC-SB (FLASH)

Wiring Harness Connectors and Connector Covers

Woodward Part Number	TE Connectivity Part Number	Description
1635-1727 1635-1176	4-1437287-6	Connector – 24 Pin Female
1635-1726 1635-1175	4-1437287-5	Connector – 24 Pin Female
1635-1728 1635-1177	4-1437287-7	Connector – 32 Pin Female
1635-7001	4-1437287-8	Cover – 24 Pin
1635-7002	4-1437287-9	Cover – 32 Pin 90° Exit
1635-1010	Only available through Woodward	Backshell - Connector Cover - 24 Pin
1635-1011	Only available through Woodward	Backshell - Connector Cover - 32 Pin

Wiring Harnesses and Kits

Woodward Part Number	Description
5404-1138	HARNESS- HARNECM022, CABLE, BOOT GCM563-48/HCM563-48 FAMILY CONTROLLERS
5404-1203	HARNESS- HARNINTR024C, SIMULATOR TO 48 PIN - GCM0563048/HCM0563048 (FIRE 48)
5404-1218	HARNESS- HARNP12800100, HARNESS PCM128 - 12' PIGTAIL
5450-1294	CABLE- J1-C EGS-02
5450-1295	CABLE- J2-B EGS-02
5450-1296	CABLE- J2-A EGS-02
5450-1297	CABLE- J1-A EGS-02
5450-1298	CABLE- J1-B EGS-02
8280-1102	Customer Specific
8923-1132	KIT- HARDWARE-PCM128-HD, MATING CONNECTORS
8923-1406	KIT- ASMCON00100, ECM555-80 PIN - (PCM) CONNECTOR
8923-1407	KIT- ASMCON00200, ECM555-48 PIN; ECM563-48 PIN - (ECM)CONNECTOR
8923-1408	KIT- ASMCON00300, ECM565-128 PIN - (PCM128) CONNECTOR
8928-1096	KIT- HARDWARE EGS SYSTEM - MATING CONNECTORS

Copyright © Woodward, Inc. 2024
All Rights Reserved



PO Box 1519, Fort Collins CO 80522-1519, USA
1041 Woodward Way, Fort Collins CO 80524, USA
Phone +1 (970) 482-5811 • Fax +1 (970) 498-3058

Email and Website—www.woodward.com

Woodward has company-owned plants, subsidiaries, and branches, as well as authorized distributors and other authorized service and sales facilities throughout the world.

Complete address / phone / fax / email information for all locations is available on our website.