MC-LVKIT-714

for 8-Bit Microcontroller ASSP

Low-Voltage Starter Kit

Description

The MC-LVKIT-714 is a complete evaluation kit that allows you to demonstrate and evaluate the CPU and motor control functions of NEC Electronics' μPD78F0714 microcontroller. The power module (MC-PWR-LV) in this kit can be used for any low-voltage application that requires drive capability of motors up to 24 volts. The target interface board (MC-IO) has on-board user interface hardware for controlling and operating motor units.

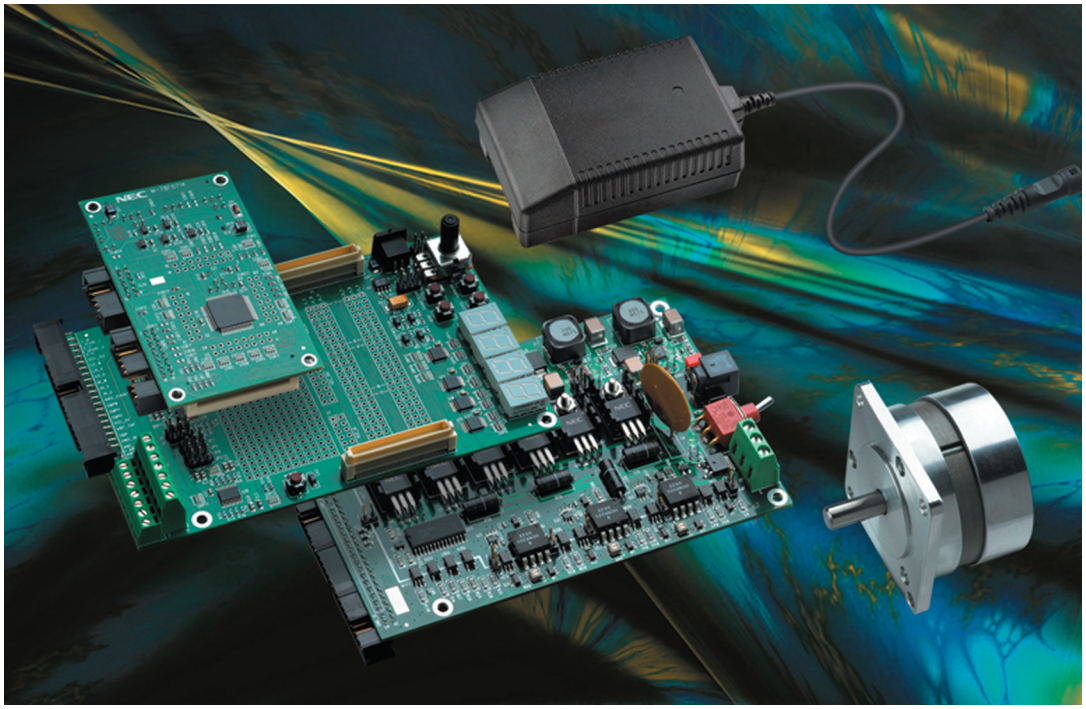
The sample code and PC GUI software in this package allow you to run a low-voltage motor and tune your code by changing the PID controller parameters from the PC GUI. The kit can run in standalone mode from the PC GUI or it can be connected to NEC Electronics' debugging tools for system debugging purposes.

Applications

The MC-LVKIT-714 can be used for evaluating a 3-phase asynchronous current induction motor (ACIM) or permanent magnet asynchronous current (PMAC) motor control applications. The kit is also suitable for low-voltage applications such as those for battery-operated hand tools or HVAC actuators.

Kit Contents

> M-78F07114 micro-board for μPD8F0714
> MC-IO sample target interface board
> MC-PWR-LV low-voltage power module
> 12V brushless DC motor
> Sample code and GUI for fine-tuning user code
> User's manuals
> 15V/ 2A power supply



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Available Micro-Boards

Part Number	Supporting Devices
M-V850ES-IK1 / IE2	μPD70F3327 and μPD70F3329 μPD70F3713 and μPD70F3714
M- V850E-IA4	μPD70F3185 and μPD70F3186
M-V850ES-KJ1	μPD70F3318 and μPD70F3316 μPD70F3733 and μPD70F3734
M-78F0712	μPD78F0711 and μPD78F0712

For further information on NEC Electronics' microcontrollers, visit our website at www.am.necel.com/microcontrollers.

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Printed in U.S.A. on recycled paper using soy ink.

Document No. 51017