

HC(S)12

Supplement to the M68HC12 and M68HCS12 brochure

1. In-Circuit Emulators

Hitex offers in-circuit emulators for all budgets and all requirements.

Base systems with high-end options

Depending on the requirements there are the BDM system JProbeHC12 and the entry level in-circuit emulator DProbeHC12 or DProbeS12. The DProbes can be expanded with the DTrace16 or the high end Boxes DBox16-1, DBox16-2 or DBox16-3.

Adaptation probes and adapters

Depending on the used derivative and package there are different adapters. Please refer to the list of supported derivatives.

Emulator options

The standard connection to the host PC is RS232 or USB (only with DBox). To speed up the communication a faster interface option is recommended (only with DBox16):

PARAPCI An optional PCI interface card with bi-directional parallel cable (2.5m) to the emulator.

To feed up to 8 external signals to the emulator for tracing and triggering an optional logic probe can be delivered (only with DBox16).

PR16 Optional logic probe.

2. RTOS Support

When working with OSEK real time operating systems, the optional RTOS Support package is recommended:

HIROSS-OSEK HiTOP add-on to support all OSEK compliant real time operating systems.

3. Compilers

COSC6812 C Development Environment for HCo8 from Cosmic.

HIC6812 C Development Environment for HCo8 from Metrowerks.

4. Evaluation Board

EVA-S12-B Evaluation Board with 68HCS12DP256.

5. Additional Tools

Additional proved and recommended Tools for Embedding Software Quality:

DA-C The Design Assistant in C for a better overview over applications.

Tessy The invaluable automatic test tool.

Derivative	Package	DProbe-System	Adapter	Replacement Socket
MC9S12-DP	TQFP112	DProbeS12-DP	ZS12-T112-Y	SOTQ112-0065-Y
MC9S12-DP	TQFP112	DProbeS12-DP	ZS12-T112-REP	SOTQ112-065-REP
MC9S12-DP	PQFP80	DProbeS12-DP	ZS12S-P80-REP	SOMQ80-065-REP
MC9S12-DP	PQFP80	DProbeS12-DP	ZS12S-P80-Y	SOTQ80-065-Y
MC9S12-DP	PQFP80	DProbeS12-DP	ZS12S-P80-QC	
MC9S12-A	TQFP112	DProbeS12-DP	ZS12-T112-Y	SOTQ112-0065-Y
MC9S12-A	TQFP112	DProbeS12-DP	ZS12-T112-REP	SOTQ112-065-REP
MC9S12-A	PQFP80	DProbeS12-DP	ZS12S-P80-REP	SOMQ80-065-REP
MC9S12-A	PQFP80	DProbeS12-DP	ZS12S-P80-Y	SOTQ80-065-Y
MC9S12-A	PQFP80	DProbeS12-DP	ZS12S-P80-QC	
MC9S12-D	TQFP112	DProbeS12-DP	ZS12-T112-Y	SOTQ112-0065-Y
MC9S12-D	TQFP112	DProbeS12-DP	ZS12-T112-REP	SOTQ112-065-REP
MC9S12-D	PQFP80	DProbeS12-DP	ZS12S-P80-REP	SOMQ80-065-REP
MC9S12-D	PQFP80	DProbeS12-DP	ZS12S-P80-Y	SOTQ80-065-Y
MC9S12-D	PQFP80	DProbeS12-DP	ZS12S-P80-QC	
MC9S12-DB	TQFP112	DProbeS12-DP	ZS12-T112-Y	SOTQ112-0065-Y
MC9S12-DB	TQFP112	DProbeS12-DP	ZS12-T112-REP	SOTQ112-065-REP
MC9S12-DB	PQFP80	DProbeS12-DP	ZS12S-P80-REP	SOMQ80-065-REP
MC9S12-DB	PQFP80	DProbeS12-DP	ZS12S-P80-Y	SOTQ80-065-Y
MC9S12-DB	PQFP80	DProbeS12-DP	ZS12S-P80-QC	
MC9S12-DG	TQFP112	DProbeS12-DP	ZS12-T112-Y	SOTQ112-0065-Y
MC9S12-DG	TQFP112	DProbeS12-DP	ZS12-T112-REP	SOTQ112-065-REP
MC9S12-DG	PQFP80	DProbeS12-DP	ZS12S-P80-REP	SOMQ80-065-REP
MC9S12-DG	PQFP80	DProbeS12-DP	ZS12S-P80-Y	SOTQ80-065-Y
MC9S12-DG	PQFP80	DProbeS12-DP	ZS12S-P80-QC	
MC9S12-DJ	TQFP112	DProbeS12-DP	ZS12-T112-Y	SOTQ112-0065-Y
MC9S12-DJ	TQFP112	DProbeS12-DP	ZS12-T112-REP	SOTQ112-065-REP
MC9S12-DJ	PQFP80	DProbeS12-DP	ZS12S-P80-REP	SOMQ80-065-REP
MC9S12-DJ	PQFP80	DProbeS12-DP	ZS12S-P80-Y	SOTQ80-065-Y
MC9S12-DJ	PQFP80	DProbeS12-DP	ZS12S-P80-QC	
MC9S12-DT	TQFP112	DProbeS12-DP	ZS12-T112-Y	SOTQ112-0065-Y
MC9S12-DT	TQFP112	DProbeS12-DP	ZS12-T112-REP	SOTQ112-065-REP
MC9S12-DT	PQFP80	DProbeS12-DP	ZS12S-P80-REP	SOMQ80-065-REP
MC9S12-DT	PQFP80	DProbeS12-DP	ZS12S-P80-Y	SOTQ80-065-Y
MC9S12-DT	PQFP80	DProbeS12-DP	ZS12S-P80-QC	

Derivative	Package	DProbe-System	Adapter	Replacement Socket
68HC(g)12-A	TQFP112	DProbeHC12-A	ZS12-T112-Y	SOTQ112-0065-Y
68HC(g)12-A	TQFP112	DProbeHC12-A	ZS12-T112-REP	SOTQ112-065-REP
68HC(g)12-B	PQFP80	DProbeHC12-B	ZS12B-P80-Y	SOPQ80-065-Y
68HC(g)12-B	PQFP80	DProbeHC12-B	ZS12B-P80-REP	SOMQ80-065-REP
68HC(g)12-B	PQFP80	DProbeHC12-B	ZS12B-P80-QC	
68HC(g)12-D	PQFP80	DProbeHC12-D	ZS12D-P80-Y	SOPQ80-065-Y
68HC(g)12-D	PQFP80	DProbeHC12-D	ZS12D-P80-REP	SOMQ80-065-REP
68HC(g)12-D	PQFP80	DProbeHC12-D	ZS12D-P80-QC	
68HC(g)12-D	TQFP112	DProbeHC12-D	ZS12-T112-Y	SOTQ112-0065-Y
68HC(g)12-D	TQFP112	DProbeHC12-D	ZS12-T112-REP	SOTQ112-065-REP
68HC(g)12-D-A	PQFP80	DProbeHC12-D-A	ZS12D-P80-Y	SOPQ80-065-Y
68HC(g)12-D-A	PQFP80	DProbeHC12-D-A	ZS12D-P80-REP	SOMQ80-065-REP
68HC(g)12-D-A	PQFP80	DProbeHC12-D-A	ZS12D-P80-QC	
68HC(g)12-D-A	TQFP112	DProbeHC12-D-A	ZS12-T112-Y	SOTQ112-0065-Y
68HC(g)12-D-A	TQFP112	DProbeHC12-D-A	ZS12-T112-REP	SOTQ112-065-REP
68HC(g)12-DG	TQFP112	DProbeHC12-DG	ZS12-T112-Y	SOTQ112-0065-Y
68HC(g)12-DG	TQFP112	DProbeHC12-DG	ZS12-T112-REP	SOTQ112-065-REP
68HC(g)12-DG-A	TQFP112	DProbeHC12-DG-A	ZS12-T112-Y	SOTQ112-0065-Y
68HC(g)12-DG-A	TQFP112	DProbeHC12-DG-A	ZS12-T112-REP	SOTQ112-065-REP



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