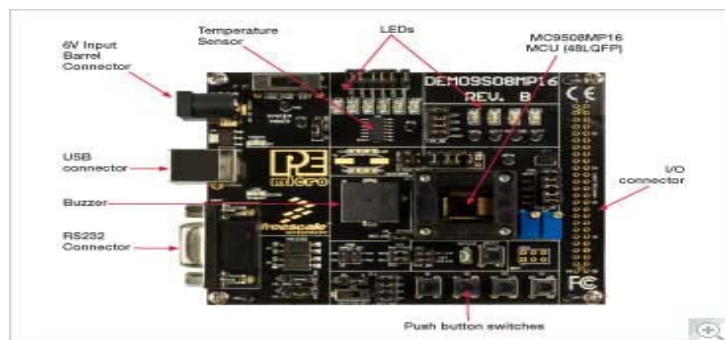




Freescle - DEMO9S08MP16 - S08MP16 Demonstration Board

Product Overview:

The DEMO9S08MP16 is a low cost development system supporting MC9S08MP16 Microcontrollers. P&E's Embedded Multilink circuitry on the DEMO9S08MP16 board allows the on-board processor connected to the DEMO9S08MP16 to be debugged and programmed via USB from a PC. In addition, the demo board can be powered using the USB bus.



Kit Contents:

- DEMO9S08MP16 demo board & USB A-to-B cable
- P&E Resources CD
- DEMO9S08MP16 Quick Start DVD
 - CodeWarrior 6.3 for MCUs
 - Product Documentation (Data Sheet, Ref Manual)
 - Training Resources

Key Features:

- MC9S08MP16VLF (48LQFP)
- Logic Analyzer
- Virtual Serial Port
- Embedded Multilink circuitry populated on the underside
- SCI signals connected to P&E's Embedded Multilink through jumpers
- 6VDC power supply input barrel connector
- Power Input Selection Jumpers for selecting the input voltage source:
 - 5V from Embedded Multilink or LDO regulator
 - Power from APMOTOR Port which might be 5V or 3.3V
 - RESET Push Button and LED indicator w/ Enable

Ordering Information:

Product:

Part Number	Manufacturer	Farnell P/N	Newark P/N
DEMO9S08MP16	Freescale	1784749	52R7574

Associated Products:

Part Number	Manufacturer	Description	Farnell P/N	Newark P/N
MC9S08MP16VLC	Freescale	MC9S08MP16VLC Microcontroller	1784750	29R0576
SPC4800	SPC Technology	USB 2.0 Cable Assembly	4556604	83K3790
SPC19944	SPC Technology	Shielded Serial Cable Assembly	1702769	83K3689
CWA-STANDARD-N	Freescale	Software, suite licence, c/w, standard	1750496	26R5712
USBMULTILINKBDME	Freescale	In-Circuit Emulator, Debugger and Programmer for HCS08, HC(S)12(X), RS08, and ColdFire V1	1165943	83K3802
LM19CIZ/NOPB	NS	Temperature Sensor IC	9489649	41K3539
74AC04SC	Fairchild	Logic - Buffer IC	1014140	05M2995
M68CYCLONEPROE	Freescale	Cyclone Pro Universal Standalone In-Circuit Debugger/Programmer	1579766	01M6114

Similar Products:

Part Number	Manufacturer	Description	Support Device	Farnell P/N	Newark P/N
DEMO9S08JM16	Freescale	MC9S08JM16 Demonstration board	MC9S08JM16	NA	12N5740
DEMO9S08JS16	Freescale	MC9S08JS16 Demonstration board	MC9S08JS16	170452 0	40P4104
DEMO9S08LL16	Freescale	S08LL Demonstration Board	MC9S08LL16	NA	40P4105
DEMO9S08SH32	Freescale	MC9S08SH16, MC9S08SH32 Demonstration board	MC9S08SH16 MC9S08SH32	NA	69M1818

Document List:

Datasheets:

Part Number	Description	Size
LM19CIZ	Temperature Sensor IC	173KB
LM1117	LM1117 800mA Low-Dropout Linear Regulator	925KB
MC9S08MP16VLC	MC9S08MP16 microcontroller	769KB
74AC04SC	74AC04/74ACT04 Hex Inverter	102.6KB

Application Notes:

File Name	Size
Freescale Embedded Software Library S08 API Reference Manual	470KB
Getting Started with Freescale Development Tools Brochure	999KB
CodeWarrior Development Studio for Microcontrollers V6.x Quick Start	1.1MB
USB Bootloader GUI User's Guide	968KB

Hardware & Software:

File Name	Size
MC9S08MP16 Series Reference Manual	5.09MB
CW MCU v6.2 JS16 Service Pack	1.87MB
DEMO9S08MP16 Quick Start Guide	3.8MB
DEMO9S08MP16SH	91.7KB
USB_demo_code_Mini_stack	848KB