

VVDI PROG Programmer User Manual

Version1.1

2015-07-27

Update History

Version	Update Date	Details
1.0	2015-03-18	Initial Version
1.1	2015-07-27	Add the read & write function for BMW engine Add pin code calculator for multi-brand vehicle models.

1. VVDI Prog Brief Introduction

1.1 Main Feature

- 1) The built-in update software allows user to update VVDIProg firmware timely.
- 2) High-speed USB communication interface enable the software automatically connect.
- 3) Smart operation mode: the possible causes of error will be listed
- 4) Reserve ports: for future update.
- 5) The self-test function enable you check if the machine works well.
- 6) Can supply power via USB cable, the software will automatically prompt if the external USB power supply is needed.

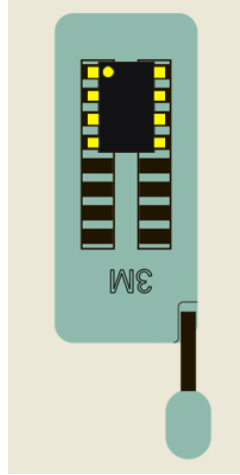
1.2 Parts List

Parts	Number	Remark
Programmer multiplexer	1	
Square USB cable	1	
SOP16 test socket	1	
16pin converter	1	Support SOP/SOT/SSOP
MCU reflash cable	1	
ECU reflash cable	1	
MC9S12 reflash cable	1	Used to program MC9S12 series chip
12V3A power adapter	1	High quality power supply

1.3 Adapters Detailed Description

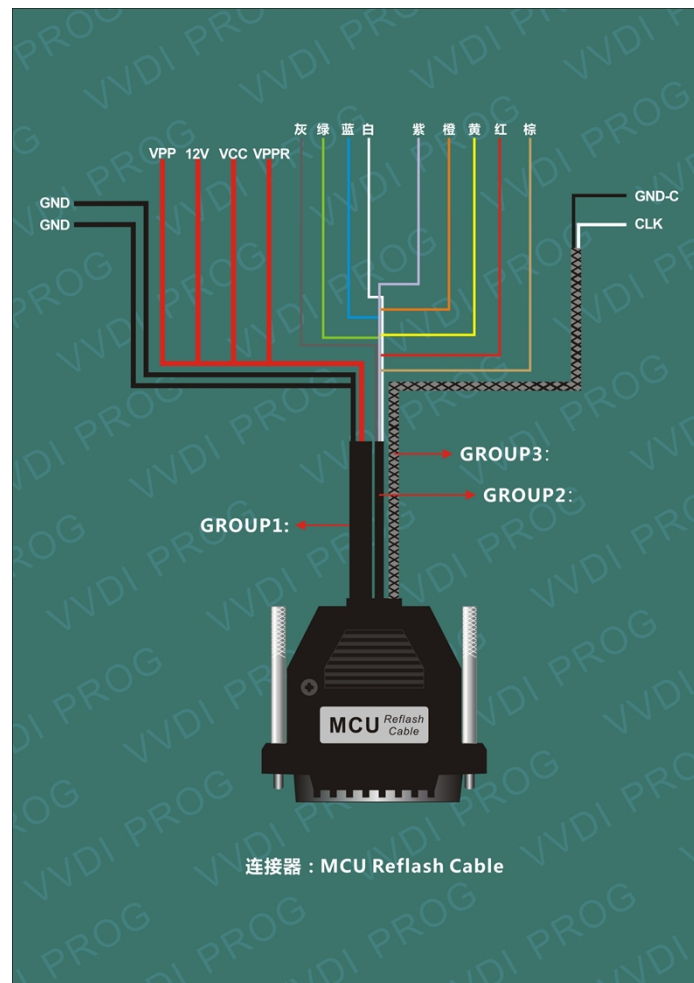
1.3.1 16pin locking socket

Read the common EEPROM, note: please insert the chip by following the below picture.



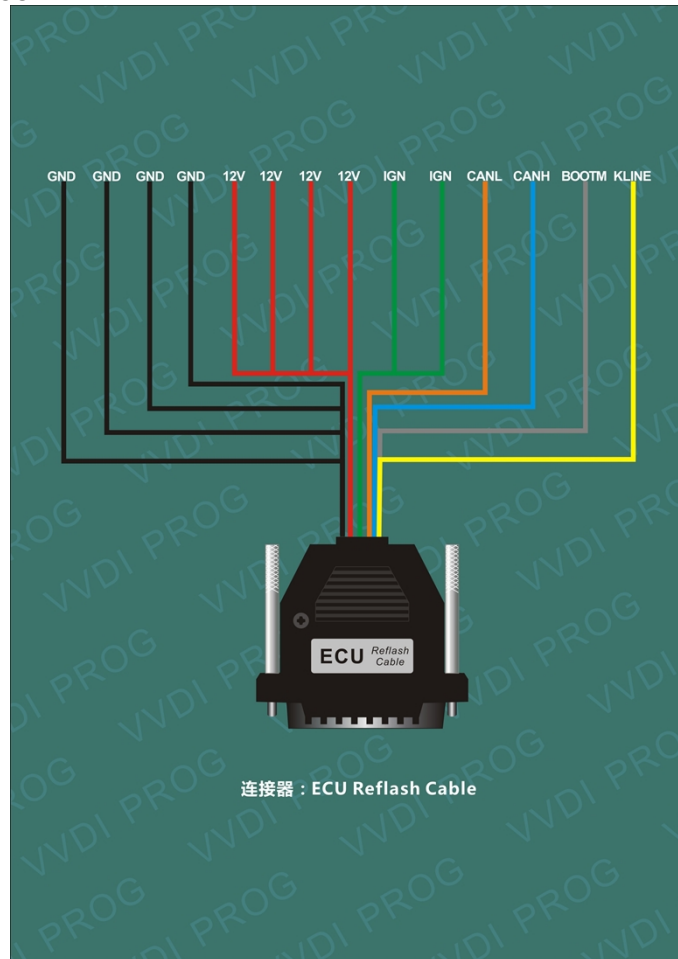
1.3.2 MCU Reflash cable

Used to program MCU on board



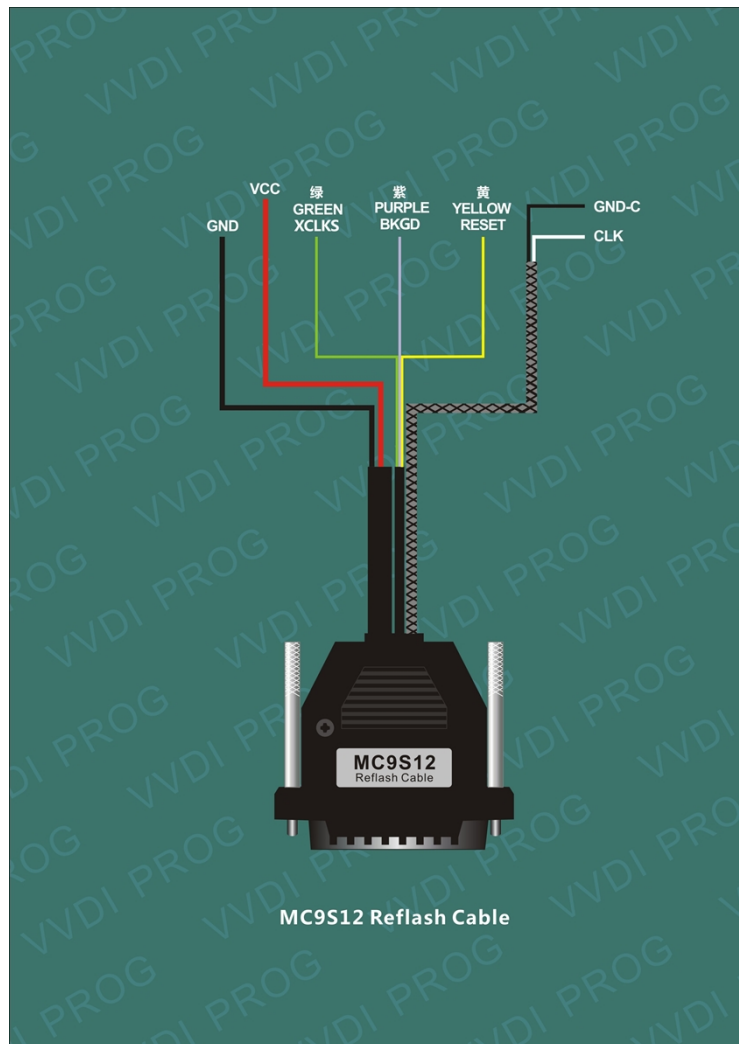
1.3.3 ECU Reflash cable

Used to program ECU



1.3.4 MC9S12 Reflash cable

Used to program MC9S12 series chip



2. Supported chip list

2.1 EEPROM

Manufactures	Types	Support	Remark
ATMEL	AT24CXX	☉	
	AT25XXX	☉	
	AT93CX6	☉	
BOSCH	B3XX	☉	
	B4XX	☉	
	B5XX	☉	
	B58XXX	☉	
CATALYST	CAT24CXX	☉	
	CAT24WXX	☉	
	CAT93CX6[A]	☉	
EXEL	XL[S]24CXX	☉	
	XL[S]93CX6	☉	
FAIRCHILD	FM24CXX	☉	
	NM24CXX	☉	
	NM93CX6	☉	
GRUNDIG	GRXX	☉	
HOLTEK	HT93CX6	☉	
MICROCHIP	24AAXX	☉	
	24[L]CXX	☉	
	93[L]CX6	☉	
	93AAX6	☉	
MITSUBISHI	M6M800X1	☉	
SEIKO	S-24CXX	☉	
	S-93CX6	☉	
ST	D80/D160	☉	Can erase the first 32 bytes
	M35080	☉	Can erase the first 32 bytes
NEC	M24CXX	☉	
ST	ST24CXX	☉	
	ST24EXX	☉	
	ST24WXX	☉	
	ST25CXX	☉	
	ST25EXX	☉	
	ST95P0X	☉	

Note: ☉ means the type is supported, ● means the type will be supported in the future

2.2 MCU

Manufacturers	Types	Support	Remark
MOTOROLA	MC9S12XEP	☼	Can automatically determine D-FLASH/EEE space
	MC9S12XA	☼	
	MC9S12XB	☼	
	MC9S12XD	☼	
	MC9S12XDT	☼	
	MC9S12XDP	☼	
	MC9S12XDQ	☼	
	MC9S12DG	☼	
	MC9S12DT	☼	
	MC9S12P	☼	
	MC9S12H	☼	
	MC9S12HY	●	
	MC9S12HA	●	
	MC9S12HZ	●	
	MC9S12XHZ	●	
	MC9S12B	●	
	MC9S12GC	●	
	MC9S12XS	●	
	MC9S12K	●	
	MC9S12Q	●	
	MC9S12C	●	
	MC9S12P	●	
MC9HC(9)08	●		
ATMEL	ATTINY	●	
	ATMEGEA	●	
NEC	uPD70F	●	
ST	TMS370	●	

Note: ☼ means the type is supported ● means the type will be supported in the future.

2.3 ECU

Manufacturers	Types	Support	Remark
VAG	MED17.1-TC1796	●	
	MED17.11-TC1796	●	
	VAG MEG17.5-TC1766	●	
	VAG MED17.5.1-TC1796	●	
	VAG MED17.5.2-TC1767	●	
	VAG MED17.5.5-TC1766	●	
	VAG MED17.5.20-TC1766	●	
	VAG EDC17 CP14/CP20-TC1796	●	
	VAG EDC17 CP04-TC1796	●	
	VAG EDC17 C46-TC1767	●	
	VAG EDC17 CP24-TC1796	●	
	VAG EDC17 CP44-TC1797	●	
	VAG EDC17 U01-TC1766	●	
	VAG EDC17 U05-TC1796	●	
	VAG/Porsche Siemens Continental SDI 3- TC1796	●	
BMW	MEVD172(N55)	⊗	
	MEVD172P(N20)	⊗	
	MEVD172G(N55)	⊗	
	MEVD172S(N55)	⊗	
	MEVD1724(N20)	⊗	
	MEVD1725(N13)	⊗	
	MEVD1726(N55)	⊗	
	MEVD1729(N20)	⊗	
	MEVD1728(N63/S63)	⊗	

Note: ⊗ means the type is supported ● means the type will be supported in the future.