

MS3039F-100G Users Guide

Suisei Electronics System Co., Ltd
4th Edition Issued 2011

1. General Description

MS3039F-100G is a writing target board for serial I/O mode used by connecting to EF1SRP-01US2 or EF1SRP-01U.

Reading and writing data to M16C/39P series with built-in Renesas Electronics 16 bit Flash memory are enabled by using MS3039-100G.

IC socket for 100-pin 0.65mm pitch QFP (100P6S-A) is mounted on MS3039F-100G.

<Packing contents>

- 1) MS3039F-100G
- 2) Users guide (this manual)

External Figure of MS3039F-100G is shown in Fig 1.1

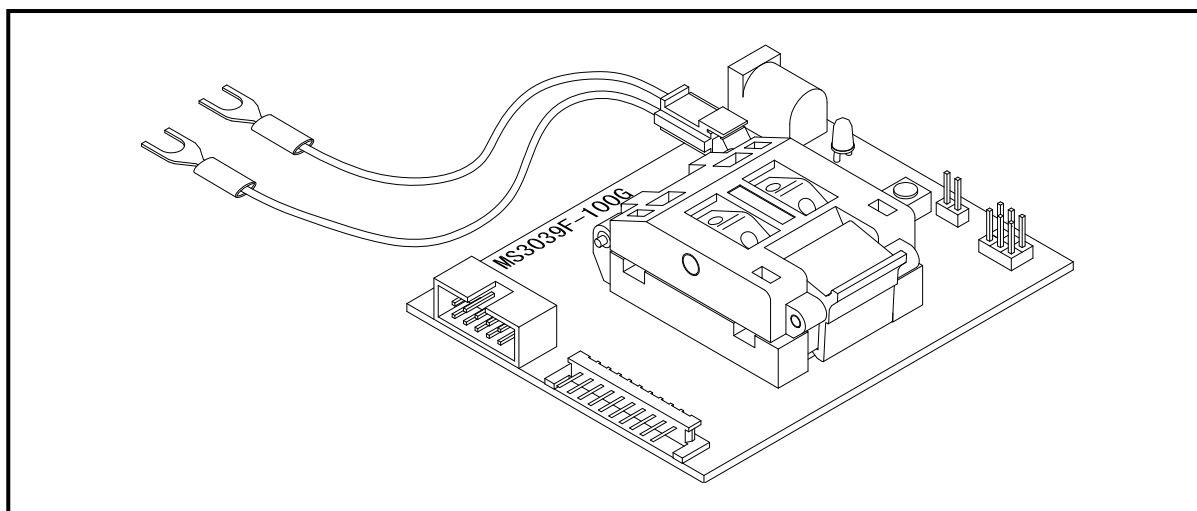


Fig.1.1 MS3039F-100G External Figure

2. Connection Process

In case MS3039-100G is used, please connect EF1TGCB-01U of EF1SRP-01US2 to EF1TGCB-B (4-wire target connection cable) as shown in Fig.2.1.

Please connect the power cable of the attachment with J2 of MS3039F-100G.

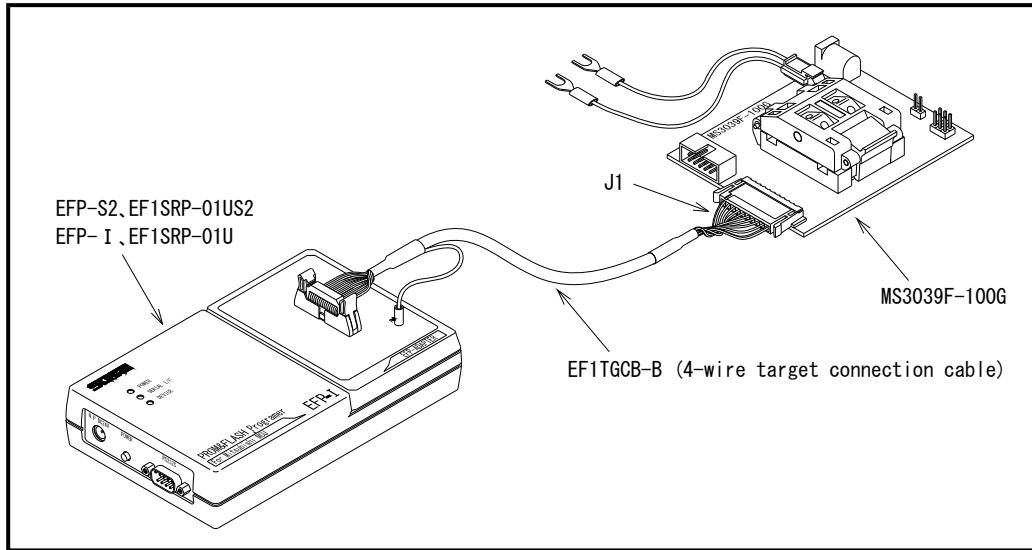




Fig.2.1 Connection of MS3039F-100G

3. List of Corresponding MCU and corresponding version

3. 1 List of Corresponding MCU

A corresponding MCU list of MS3039-100G is shown in List.1.1.

List.1.1 List of Corresponding MCU of MS4238-20F

MCU type	Corresponding MCU name	Program Memory Area	Setting of JP switch
M3039xFCP	M30396FCFPF	E0000~FFFFFFh	M3A-0806 
M3039xFEP	M30396FEPFP	D0000~FFFFFFh	M3A-0665/EFP 

3. 2 About Software version (S/W)

The version numbers such as EFP-1 and WinEFP are displayed by [Help] → [About] in the WinEFP window menu. Please download the latest version up data on the following site.

< EFP- I S/W the latest free download site >

http://www.suisei.co.jp/download_e/productdata_efp1_e.html

< EFP-S2 S/W the latest free download site >

http://www.suisei.co.jp/download_e/productdata_s2_e.html

< EFP-S2V S/W the latest free download site >

http://www.suisei.co.jp/download_e/productdata_s2_e.html

Note on Corresponding Versions

Above corresponding versions might change without notice on account of the future capability improvement, etc. Furthermore in case the upgrade procedure manual is attached when this product is purchased, please refer to that manual as a priority.

4 . Insertion Direction of MCU and cleaning of IC socket

4. 1 Insertion Direction of MCU

When MCU is inserted, No.1 pin of the IC socket on MS3039F-100G and MCU's No.1 pin should be connected. The wrong insertion would cause a serious breakage of MCU.

Insertion direction of MCU is shown in Fig 4.1.

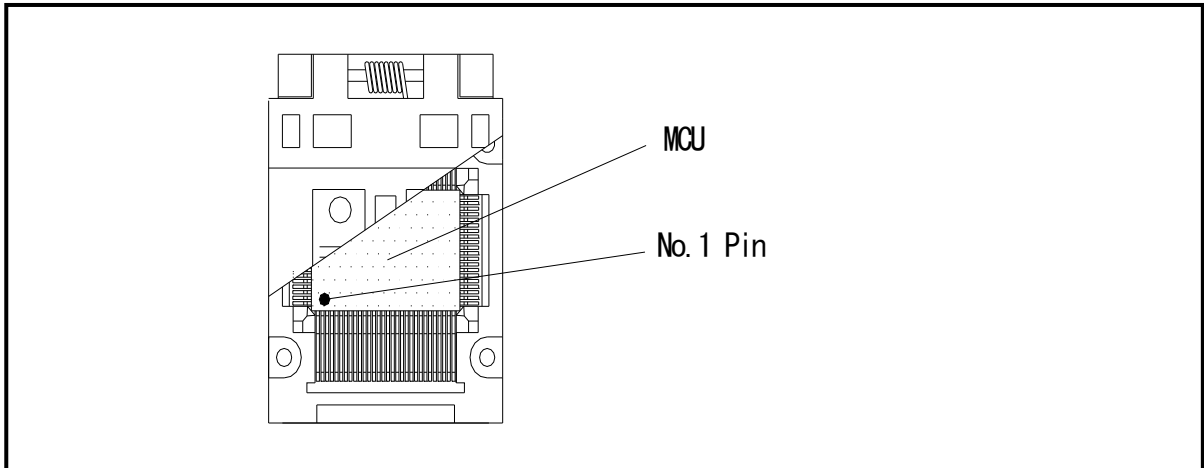


Fig 4.1 Insertion Direction of MCU

4. 2 Cleaning of IC Socket

A contact pin inside of the IC socket of the MCU unit might deteriorate and a contact failure might occur because of the number of times used and its age of service. As the contact failure may cause incorrect writing of MCU and malfunction of the writer, please take the below measures.

Measures against IC Socket Contact Failure

- (i) Please clean the contact pin surface inside of IC socket with a brush, etc. regularly, depending on the number of times used.
- (ii) If the product is not to be used for a long period, please keep it with less humidity in a plastic bag, etc.

Though enquiries on contact failures can be made, we regard IC sockets as consumable supplies. We may recommend you to replace them if a contact failure of IC socket occurs due to its use deterioration.

【Recommended item for cleaning】

About the cleaning of the contact pin in the IC socket, we recommend the use of the nanotech brush (Kita Mfg Co., Ltd).

The nanotech brush can remove the dirt which stuck to a contact pin, a very small amount of metastasis of solder. When a contact poor problem occurred, please try it.

About nanotech brush, please ask us or Kita Mfg Co., Ltd (refer to the following site).

Nanotech brush (Kita Mfg Co., Ltd.) http://www.kita-mfg.com/pro_nanotech_e.html

5. List of Pin Connection

Connector terminal names target cable connection connector of MS3039F-100G is shown in List 5.1. Table 6.1 and Table 6.2 show CN2 and J2 connector terminal name of MS3039F100G.

Table 6.1 CN2 connector connection terminal table

Pin No.	Terminal Name	PIN No.	Terminal Name
1	GND	6	SCLK
2	RXD	7	TXD
3	BUSY	8	PGM/OE
4	VPP	9	RESET
5	VDD	10	GND

Table 6.2 J2 connector connection terminal table

Pin No.	Terminal Name	PIN No.	Terminal Name
1	DC	2	GND