MS7154-80U Users Guide

1．General Description

MS7154-80U is a writing target board for standard serial I/O mode used by connecting to EF1SRP-01US2 or EF1SRP-05U.

Reading and writing data to microcomputer 7154 groups with built-in Renesas Electronics 8 bit QzROM, is enabled by using MS7154-80U.

IC socket for 80-pin 038mm pitch LQFP (PLQP0080GA-A) (80P6U-A) is mounted on MS7154-80U.

＜Packing contents＞

MS7154-80U

Users guide (this manual)
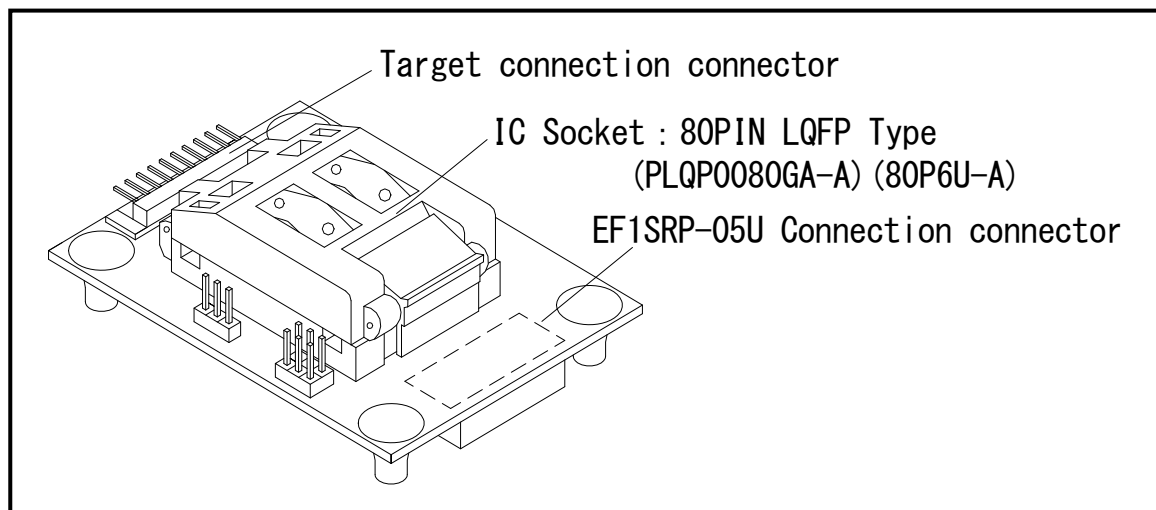
External Figure of MS7154-80U is shown in Fig.1.1.

Fig.1.1 MS7154-80U External Figure

2. Connection process

In case MS7154-80U is used, please connect it to EF1SRP-05U as shown in Fig2.1.

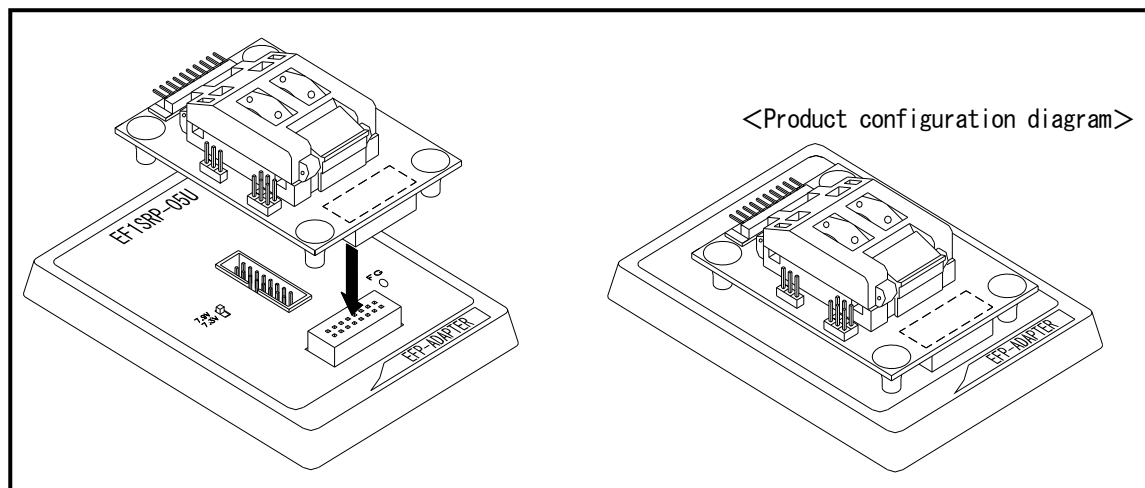In case EF1SRP-01US2 is connected, please use 4-wire target connection cable.

Fig 2.1   Connection with EF1SRP-05U

3. List of Corresponding MCU and corresponding version

3．1   List of Corresponding MCU

A corresponding MCU list of MS7154-80U is shown in Fig3.1.

Fig 3.1 Corresponding MCU List for MS7154-80U

Device Type	Corresponding MCU Name	Program Memory Area	EF1SRP-05U SW Setting	JP1,JP2 Setting	JP3 Setting
M37154GR (Vdd:5V,Vpp:7.9V)	M37154GRFP	1000h～ FFFFh 11400h～ 13BFFh	T_VPP：7.9V 側	5V side	Connection

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 when the S/W version such as EFP- I used is old.

< 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 MS7154-80U and MCU's No.1 pin should be connected. The Wrong insertion would cause a serious breakage of MCU.
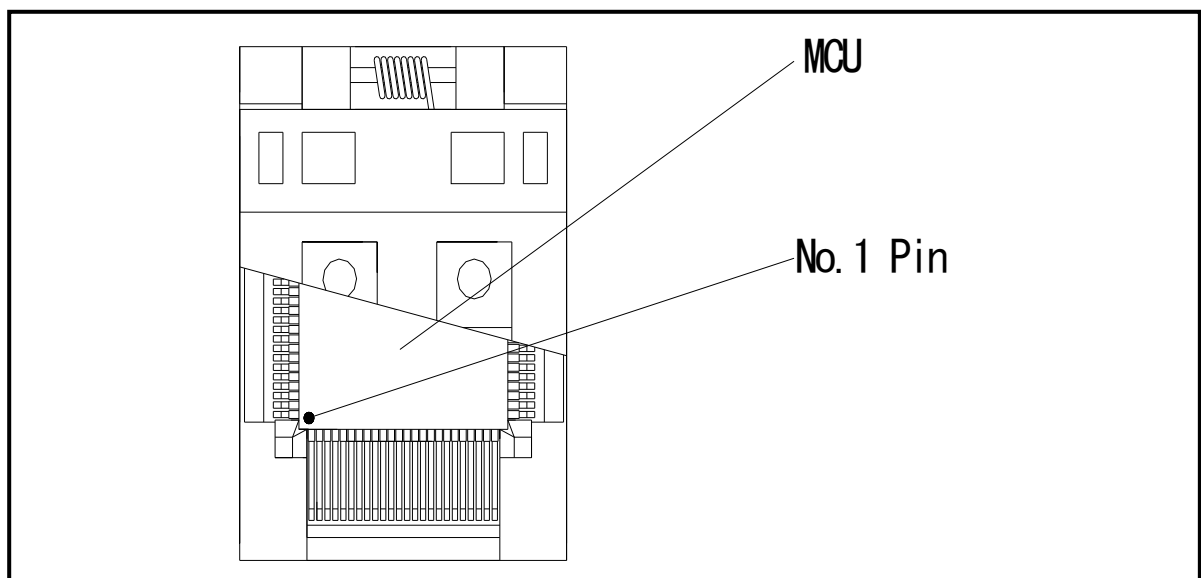
Insertion direction of MCU is shown in Fig 4 .1.

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 name of target cable connection connector (J1) of MS7154-80U is shown in List 5.1.

List 5.1　List of J1 Connector Connection Terminal

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