

MB89585BW

Single-Chip MCU Data Release Form (AF)

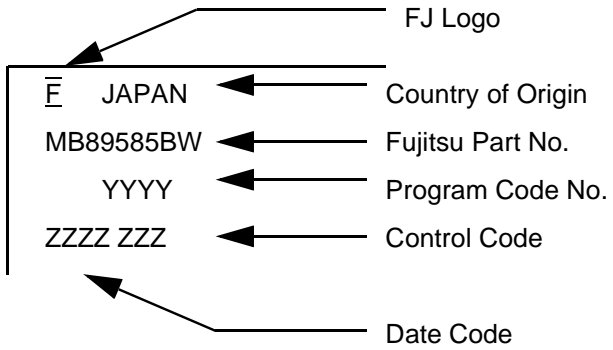
MDS-895-0720E

Rev 1.0

Customer Name	Customer Contact
Customer Part No.	
Fujitsu Part No.	Application
MB89585BW - _____	_____
History	<input type="checkbox"/> Automobile Engine Use (0) <input type="checkbox"/> Automobile Non-Engine Use (1) <input type="checkbox"/> Non-Automobile Use (2)
<input type="checkbox"/> New Release <input type="checkbox"/> Update of Previous: MB89585BW - _____	

Mask Option Item	Contents of Selection	Notes																
Package Type	<input type="checkbox"/> (0) LQFP-64																	
Mask ROM Data	<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="text-align: center;">MCU Address</td> <td style="text-align: center;">Media Address</td> <td style="text-align: center;">Program Data</td> <td style="text-align: center;">ROL Address (Fujitsu Internal use)</td> </tr> <tr> <td style="text-align: center;">Start</td> <td style="text-align: center;"> <div style="display: flex; justify-content: space-between;"> C 0 0 0 </div> H </td> <td style="text-align: center;"> <div style="display: flex; justify-content: space-between;"> </div> H </td> <td style="text-align: center;"> <div style="display: flex; justify-content: space-between;"> 4 0 0 0 </div> H </td> </tr> <tr> <td style="text-align: center;">Arbitrary</td> <td style="text-align: center;"> <div style="display: flex; justify-content: space-between;"> </div> H </td> <td style="text-align: center;"> <div style="display: flex; justify-content: space-between;"> </div> H </td> <td style="text-align: center;"> <div style="display: flex; justify-content: space-between;"> </div> H </td> </tr> <tr> <td style="text-align: center;">End</td> <td style="text-align: center;"> <div style="display: flex; justify-content: space-between;"> F F F F </div> H </td> <td style="text-align: center;"> <div style="display: flex; justify-content: space-between;"> </div> H </td> <td style="text-align: center;"> <div style="display: flex; justify-content: space-between;"> 7 F F F </div> H </td> </tr> </table> <p style="font-size: small; margin-top: 5px;">Fill out the above blanks in hexadecimal for our verification. Write the program data from Start address to End address.</p>	MCU Address	Media Address	Program Data	ROL Address (Fujitsu Internal use)	Start	<div style="display: flex; justify-content: space-between;"> C 0 0 0 </div> H	<div style="display: flex; justify-content: space-between;"> </div> H	<div style="display: flex; justify-content: space-between;"> 4 0 0 0 </div> H	Arbitrary	<div style="display: flex; justify-content: space-between;"> </div> H	<div style="display: flex; justify-content: space-between;"> </div> H	<div style="display: flex; justify-content: space-between;"> </div> H	End	<div style="display: flex; justify-content: space-between;"> F F F F </div> H	<div style="display: flex; justify-content: space-between;"> </div> H	<div style="display: flex; justify-content: space-between;"> 7 F F F </div> H	<p style="font-size: small; margin-top: 10px;">- Satellite File Name: <u>AFxxxx</u> (Internal use Only for FMI/ FMG/FMAP) xxxx is ROM code No. assigned by Fujitsu.</p>
MCU Address	Media Address	Program Data	ROL Address (Fujitsu Internal use)															
Start	<div style="display: flex; justify-content: space-between;"> C 0 0 0 </div> H	<div style="display: flex; justify-content: space-between;"> </div> H	<div style="display: flex; justify-content: space-between;"> 4 0 0 0 </div> H															
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Mask Option Item	Contents of Selection	Notes
USB	<input type="checkbox"/> (0) No (Unused) <input type="checkbox"/> (1) Yes (Used)	
Main Clock Oscillation Type	<input type="checkbox"/> Crystal Oscillation Type <input type="checkbox"/> Ceramic Oscillation Type <input type="checkbox"/> FAR Oscillation Type	Fixed to Crystal Oscillation Type, if select the USB option as (1) Yes.
Operation Frequency	Clock: _____MHz	The frequency written here is regarded as the guaranteed operating frequency. Fixed to 6MHz, if select the USB option as (1) Yes.
Stop Mode	<input type="checkbox"/> (0) No (Used) <input type="checkbox"/> (1) Yes (Unused)	Fixed to (1) Yes, if select the USB option as (1) Yes.

<p>Marking Form</p> <p><input type="checkbox"/> Standard (See below:) (0)</p> <p><input type="checkbox"/> Special (1)</p> <p>* Engineering samples have Standard marking with "ES" mark.</p>	<p>Customer Spec No.</p> <p>(Operating temperature., Operating supply voltage, Supply current, etc.)</p>
<p>Fujitsu Part No.</p>  <p> FJ Logo Country of Origin Fujitsu Part No. Program Code No. Control Code Date Code </p> <ul style="list-style-type: none"> - The height of Fujitsu Logo is 2.0mm. - The other character except FJ logo is the gothic font and the height is the 1.2mm. - The Control and Date Codes are the alphanumeric characters. - The Program Code No. is assigned by Fujitsu. 	<p>Electrical Spec</p> <p><input type="checkbox"/> Standard</p> <p><input type="checkbox"/> Special</p> <hr/> <p>Mechanical Spec</p> <p><input type="checkbox"/> Standard</p> <p><input type="checkbox"/> Special</p> <hr/> <p>Quality/Reliability</p> <p>(Burn-in, Screening. etc.)</p> <p><input type="checkbox"/> Standard</p> <p><input type="checkbox"/> Special</p> <hr/> <p>Other Special Requirements</p> <p>(Special marking proposal form etc.)</p>

Single-Chip MCU Data Release Form (F²MC-8L)

Rev.7.1

May 1999

Notice

1.EPROM

- Acceptable EPROMs:
- Write the program into the "DIP" type EPROMs. LCC EPROMs are not acceptable as the EPROMS of Mask ROM Data.
- Following EPROMs made by Fujitsu are recommended.
 - 32K x 8
 - MBM27C256
 - MBM27C256A
- Write the program after erasing all bits and verify the settlement of 0 / 1 level.
- Do not bend leads, erase EPROMs by ultra violet rays or damage by electrostatic discharge.

2.PROGRAM ROM DAT

- The data format should be Intel HEX (except Intel extended hex), Motorola S1, or Motorola S2 formats. (Recommended Motorola S1/S2). And it should not have offset address.
- The diskette save in the program ROM data is DOS 3.5 inch diskette (1.44MB). Or, electrical readable file (plain text) sending through e-mail.
- The program ROM data should be filled in whole address from START to END addresses. Please be reminds that if the program ROM data contains the unused address, the ROM data at the unused address is filed it out by data FF_H for make fabrication data.
- Fujitsu will sending back confirmation data in Motorola format which has processed and converted for Fujitsu's fabrication use. You may need simple offset adjustment requires at your confirmation.

3.SAMPLES

- ES (Engineering Sample) is guaranteed only for electrical characteristics. Therefore, ES should not be used for reliability test. Also, marking form for ES is Fujitsu STANDARD unless otherwise requested.
- CS (Commercial Sample) is guaranteed for reliability equivalent to that of production parts.

4.ORDER TYPE

- Non-Risk Order :FJ makes ES after data release and starts production after ROM verification.
- Risk Order :FJ starts production after ROM code confirmation. (ES confirmation is skipped).

5.CHANGING AFTER DATA RELEASE

If change required of released data, we will remake mask from the beginning. In such case, another mask charge and corrected DATA RELEASE FORM is necessary.

6.SOFTWARE AND ROM RIGHT

Fujitsu declares that Fujitsu not disclose / sell your software and its mask ROM to a third party. However, even if its software from a third party may be completely or nearly the same with yours, Fujitsu doesn't assume any responsibility. In that case, whenever you find the software from a concerned third party infringe upon your right, Fujitsu concludes you have to settle an infringement problem with a concerned third party.