

Serialized Quick Turn ProgrammingSM (SQTPSM)

INTRODUCTION

Factory programming of MCRF200, MCRF202 or MCRF250 is performed by Microchip Technology Inc. upon customer request. The customer can choose any ID code suitable to the application subject to a minimum order quantity.

DEFINITIONS

First, the configuration register code must be determined in order to configure the following operation options of the MCRF200, MCRF202 and MCRF250 (refer to individual data sheets DS21219, DS21308 and DS21267 respectively):

Bit rate Defined as clocks per bit (e.g.,

Fc/16, Fc/32, Fc/40, Fc/50, Fc/64,

Fc/80, Fc/100, and Fc/128)

Modulation FSK, PSK1, PSK2, ASK Direct

 Encoding NRZ_L (Direct), Biphase_L (Manchester), Differential

Biphase S

Code length 32, 48, 64, 96, and 128 bits

Second, the ID codes and series numbers must be supplied by the customer on floppy disk, CD or via email. The codes should conform to the SQTP format below:

SQTP codes supplied to Microchip must comply with the following format:

The ID code file is a plain ASCII text file on floppy disk, CD or email (no headers).

Please provide zipped (.zip) files, no self-extracting (.exe) files.

The code files are used in alphabetical order of their file names (including letters and numbers).

Used (i.e., programmed) code files are discarded by Microchip after use.

Each line of the code file must contain one ID code for one IC.

The code is in hexadecimal format.

The code line is exactly as long as the selected code length (e.g., for a code length = 64, the ID code = 16 hex characters = 64-bit number).

Each line must end with a carriage return.

Each hexadecimal ID code must be preceded by a decimal series number.

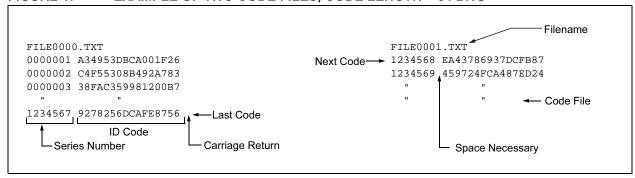
Series number and ID code must be separated by a space.

The series number must be unique and ascending to avoid double programming.

The series numbers of consecutive files must also increment serially for proper linking. The series number may contain five, six or seven digits.

FILE SPECIFICATION

FIGURE 1: EXAMPLE OF TWO CODE FILES, CODE LENGTH = 64 BITS



T	\Box	Λ	7	つ
	D	U	Z	J

NOTES:

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