

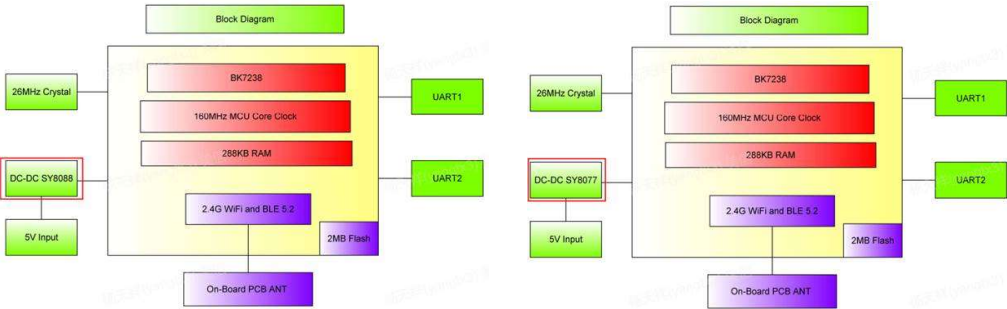
Family Certification Attestation Letter

12/19/2024
Nemko Canada Inc
303 River Road
Ottawa
K1V 1H2
Canada
Company Name: GD Midea Air-Conditioning Equipment Co.,Ltd.
FCC ID: 2ADQOMWB-S-F13
Models: MWB-S-F13、MWB-S-F13A

We hereby request Family Certification for the above mentioned Models based on them being electrically identical.

Above models are identical in Appearance, color, schematic and structure, only the DCDC component is different for all the models, Details as below:

MWB-S-F13 DCDC model is 8088, MWB-S-F13A DCDC model is 8077.



The function of both 8077 and 8088 in the circuit is to convert a 5V voltage to a 3.3V voltage. The only difference between the 8077 and 8088 is that the input voltage range is not the same.

Application Notes: AN_SY8088

High Efficiency 1.5MHz, 1A Synchronous Step Down Regulator Preliminary Specification

General Description

SY8088 is a high efficiency 1.5MHz synchronous step down DC/DC regulator IC capable of delivering up to 1A output current. It can operate over a wide input voltage range from 2.5V to 5.5V and integrate main switch and synchronous switch with very low $R_{DS(on)}$ to minimize the conduction loss.

Ordering Information

SY8088 □□□□□

- Temperature Code
- Package Code
- Optional Spec Code

Temperature Range: -40°C to 85°C

Ordering Number	Package Type	Note
SY8088AAC	SOT23-5	1A

Features

- Low $R_{DS(on)}$ for internal switches (top/bottom) 260mΩ/170mΩ
- 2.5-5.5V input voltage range**
- 40μA typical quiescent current
- High light load efficiency
- High switching frequency 1.5MHz minimizes the external components
- Internal soft-start limits the inrush current
- 100% dropout operation
- RoHS Compliant and Halogen Free
- Compact package: SOT23-5

Applications

Application Notes: AN_SY8077

High Efficiency 1.5MHz, 1A Synchronous Step Down Regulator

General Description

SY8077 is a high efficiency 1.5MHz synchronous step down DC/DC regulator IC capable of delivering up to 1A output current. It can operate over a wide input voltage range from 2.5V to 6.5V and integrate main switch and synchronous switch with very low $R_{DS(on)}$ to minimize the conduction loss.

Ordering Information

SY8077 □□□□□

- Temperature Code
- Package Code
- Optional Spec Code

Ordering Number	Package Type	Note
SY8077AAC	SOT23-5	1A

Features

- Low $R_{DS(on)}$ for internal switches (top/bottom) 260mΩ/170mΩ
- 2.5-6.5V input voltage range**
- 40μA typical quiescent current
- High light load efficiency
- High switching frequency 1.5MHz minimizes the external components
- Internal soft-start limits the inrush current
- 100% dropout operation
- RoHS Compliant and Halogen Free
- Compact package: SOT23-5

Applications

Therefore the test performed on the model _MWB-S-F13_.

Signed:

Printed name: Yang Tianxiang
Title: Test Engineer
Date: 19.12.2024