



# VCM-Series Product Data Sheet

Model Name: **VCM-CN80** ..... Rev. B

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### Introduction

**VCM-CN80** is a digital voice module. It directly plays 8/16-bit mono PCM sound files digitized at 8,11.025,16,22.05,24,32,44KHz. Sound files are programmed and stored in Compact Flash Card. No length limitation for each sound as long as the total length of all sounds combined fit to the chips. Just edit the files via CF-Link software from PC, and then download to CF CARD. Later place the CF CARD into the plug to connect to the PC.

After VCM- CN80 voice module is powered, connect to outer devices and micro-controller etc. according to the model type and input trigger mode setting. The voice file can be performed via speakers. The built-in power amplifier can deliver up to 3W into a speaker, with adjustable volume control.

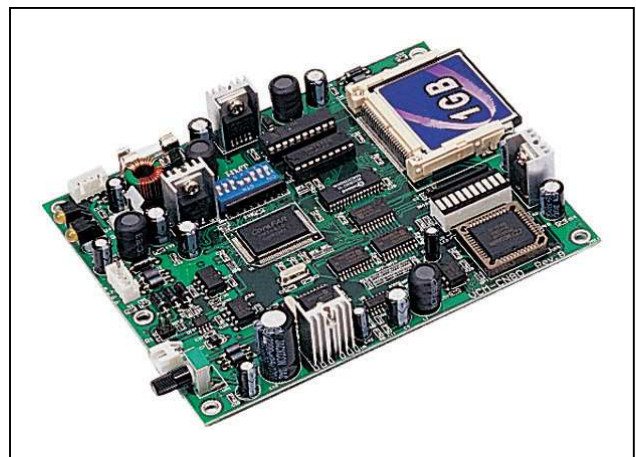
VCM-CN80 digital voice module supports SERIAL CAN BUS signal input mode. The users can edit and set the voice code number via CF –LINK in advance.

Editing voice via this program in Windows environment visualizes the voice editing (Waveforms are seen in the program.) and proves that it's the best software you've ever had before.

### Feature

- \*Max. Quantity of Messages:  
SERIAL ASCII Mode: 512 messages.
- \*Memory Type: **CF CARD(Type II)**.
- \*Max Memory Capacity: Up to 2GB.
- \*Voice Length:  
44.1KHz/ 8Bits : 23 sec / 1MB  
44.1KHz/8Bits (256MB): 5888sec
- \*Voltage Supply: 12 VDC, 1.25A
- \*Output Amplifier: 3 W (Ro = 4 ohm)

### Product Photo





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## Function / Specification

Input Trigger Mode	Can bus level input	
Memory Format Support	<b>Compact Flash Card</b>	
Max. Memory Capacity	Up to 2GB	
Sampling Rate Support	8KHz / 11KHz / 16KHz / 22KHz / 24KHz / 32KHz / 44KHz	
Max. Total Length	23 sec. / MB (44.1KHz / 8bits)	
Max. Quantity of Message	512 messages (Please refer to Trigger Mode)	
Max. Address Quantity of Digital Voice Files	512 files	
<b>Trigger Mode Support / Input Trigger Usage / Serial Communication Level</b>		
Serial Code Mode	Can bus Signal	D+ / D-

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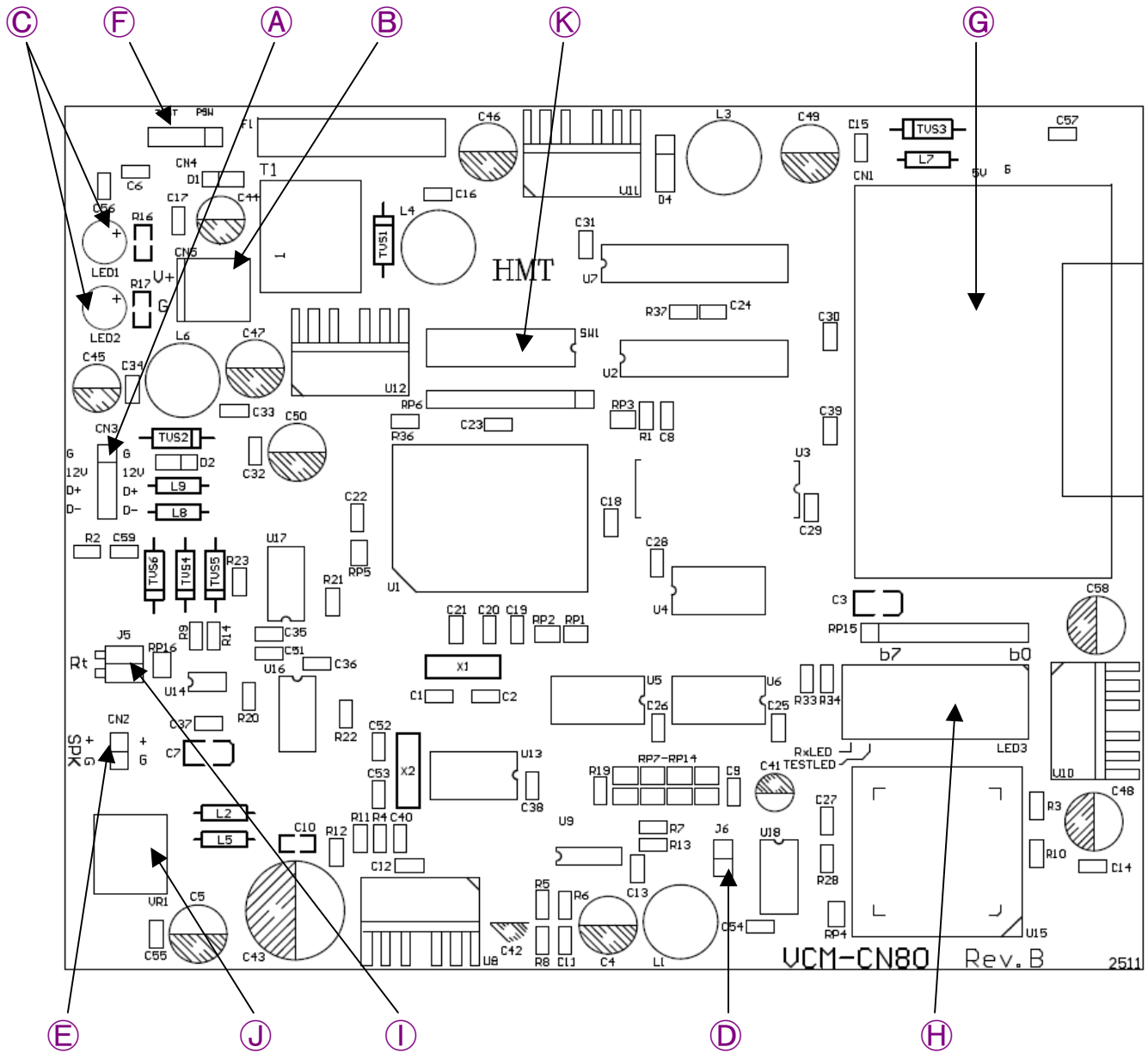
## Electronic Specification

Voltage Supply	DC 12 V / 1.25A (DC-DC)
Voice Format	PCM, 8 / 16 bits
Amplifier Output	3 Watt, Ro = 4 ohm
Consumption (Audio Output)	0.8A at DC 12Vin
Watch Dog Function	Yes
Reverse Side Voltage Protection	Yes
TVS Function	Yes
Operating temperature	0°C - 70°C
Volume Control	Yes
Serial Baud Rate and Format	Can bus Format
Serial Communication Level	D+ / D- Independent power supply. Can bus Transceiver : TJA1040
Software application	TrueWave / CF Link
PCB Dimension (L x W x H)	147 x 118 x 25(mm)

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## PCB Diagram





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## PCB Dimension

