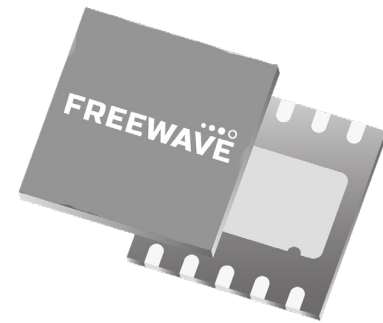


VloT Flex MFF2 SIM FROM FREEWAVE



KEY FEATURES

VloT-Flex MFF2 eUICC Compliant eSIM

Compact Design The MFF2 form factor is ideal for IoT devices requiring a robust, soldered, eSIM, embedded solution.

Global Coverage: Access 190+ countries and 600+ carriers, including all major US networks.

eUICC Technology Enjoy the benefits of eUICC, enabling dynamic updates and carrier switching without physical SIM changes.

Auto Carrier Switching Automatically switch carriers to maintain connectivity when one network isn't available.

Device Agnostic Compatible with a wide range of IoT devices, ensuring flexibility and ease of integration.

Advanced Security: ** Built-in security suite protects your data and devices without compromising performance.

Future-Proof Connectivity Over-the-air updates keep your connectivity solutions up-to-date and efficient.

OVERVIEW

Unlock the full potential of IoT connectivity with global cellular SIMs from FreeWave. Designed to provide seamless, secure, and efficient global connectivity, the VloT-Flex MFF2 from Velocity IoT ensure your IIoT devices are always connected, no matter where they are. Soldered, eSIM, embedded SIM are all available with the VloT-Flex MFF2.

Agriculture

Enhance precision farming with reliable data connectivity.

Logistics

Track and manage devices or equipment globally with seamless connectivity.

Security & Surveillance

Maintain secure, real-time surveillance operations.

Smart Peripherals

Facilitate smart peripheral deployments with reliable connectivity and management.

Smart Energy & Utilities

Enhance remote asset management and data insights.

Get Started

Experience unparalleled IoT connectivity with VloT-Flex solutions available now from FreeWave. Contact our sales team today or visit our website to learn more about how we can transform your IoT deployments.

Whether you're scaling operations or launching new IIoT initiatives, VloT-Flex MFF2 provides the reliable connectivity you need to succeed in a connected world.

VIOT-FLEX MFF2 SIM SPECIFICATIONS

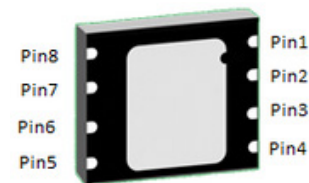
HARDWARE FEATURES

Flash	704kB
RAM	20kB Static
Operating Voltage	1.62V - 5.5V
Operating Internal Frequency	up to 28 MHz
Operating External Frequency	
Class A/B	1-10MHz
Class C	1-7.5MHz
Operating Temperature	-40 C to +105 C
16 bit Random Number Generator	
Up to 256 bit AES calculation in hardware	

Data Retention		
25 years	25 C	
15 years	85 C	
10 years	105 C	
Erase/Write Cycles	500,000	
I/O	ISO 7816 3(T=)	
I/O Speed	8, 16, 31, 64, 186, 372	clocks per ETU
Ordering Information	IOT.CELL.MFF2SIM	

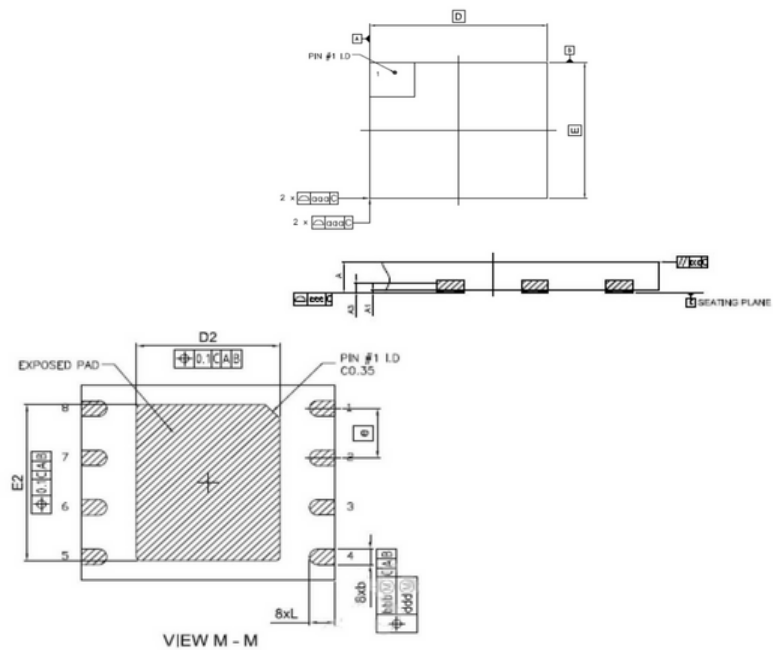
CHIP PINOUT INFORMATION

MFF2	DESIGNATION	FUNCTION
Pin 8	VCC	Supply voltage
Pin 7	RST	Reset input
Pin 6	CLK	Clock input
Pin 5	AUX1/NC	Not used
Pin 1	GND	Ground
Pin 2	Vpp	Programming voltage (not used)
Pin 3	I/O	Input/Output for serial comms
Pin 4	AUX2/NC	Not used



CHIP PACKAGE MECHANICAL DATA

DIM	MIN	NORMAL	MAX
A	0.550	0.600	0.650
A1	0.00		0.05
b	0.30	0.40	0.50
D	5.85	6.00	6.15
E	4.85	5.00	5.15
D2	3.30	3.40	3.50
E2	3.90	4.00	4.10
e		1.27	
L	0.45	0.60	0.75
aaa		0.10	
bbb		0.10	
Ccc		0.10	
ddd		0.05	
eee		0.08	



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