



Serial I²C & SPI EEPROM in DFN8 package





Target applications DFN8 package

Drones



Headsets



Industrial IoT



Electronic shelf label



Designed for applications where **space and weight constraints** and **manufacturing robustness** are key factors



DFN8 package features

UFDFPN8 – MLP8

**DFN8 package: small, robust,
easy to handle**



**UFDFPN: Ultra-thin
Fine-pitch Dual Flat
Package No lead**

Features	DFN8
Package size	2 x 3 mm
Thickness	0.55 mm
Weight	16 mg
Pin count	8 pin
Pin type	Leadless
Solder pitch	0.5 mm

Package information and soldering guidelines available in [**TN1171**](#)



I²C & SPI EEPROM DFN8 portfolio

UFDFPN8 – MLP8

The DFN8 package offers significant improvements

- reduced PCB footprint
- reduced application weight
- easy handling and manufacturing robustness



Notes:

- 1/ All products, except “-F” version that operates at 1.6 V, operate in the 1.7 to 5.5 V V_{CC} range and - 40 to + 85 °C temperature range
- 2/ “-DRE » version are available in MLP8

Click on product name to download the Datasheet Part numbers		Memory density (Kbits)	I ² C Commercial part numbers (CPNs)		SPI Commercial part numbers (CPNs)
I ² C	SPI				
M24C02-F	-	2	M24C02-FMC6TG		-
M24C04-F	M95040-DF	4	M24C04-FMC6TG		*M95040-DFMC6TG
M24C08-F	M95080-DF	8	M24C08-FMC6TG		*M95080-DFMC6TG
M24C16-F	M95160-DF	16	M24C16-FMC6TG		*M95160-DFMC6TG
M24C32-F	M95320-DF	32	M24C32-FMC6TG	*M24C32-DFMC6TG	*M95640-DFMC6TG
M24C64-F	M95640-DF	64	M24C64-FMC6TG	*M24C64-DFMC6TG	*M95640-DFMC6TG
M24128-BF	M95128-DF	128	M24128-BFMC6TG	*M24128-DFMC6TG	*M95128-DFMC6TG
M24256E-F	M95256-DF	256	*M24256E-FMC6TG		*M95256-DFMC6TG
M24512E-F	M95512-DF	512	*M24512E-FMC6TG		*M95512-DFMC6TG
M24M01E-F	-	1024	*M24M01E-FMC6TG		-
M24M02E-F	-	2048	*M24M02E-FMC6TG		-

Table legend: * Lockage ID page For new design





I²C & SPI EEPROM in DFN8 package summary

Designed for small & light modules where robustness is a key factor

- Wide I²C & SPI portfolio up to 2 Mbit
- Robust ROHS and leadless package
- Samples available now

- Request free samples or buy from [eStore](#)
- Prototype with [X-NUCLEO-EEPRMA2 shield](#)
- IBIS & soldering guidelines available on [st.com](#)

Our technology starts with You



Find out more at [st.com/eeprom](https://www.st.com/eeprom)

© STMicroelectronics - All rights reserved.

ST logo is a trademark or a registered trademark of STMicroelectronics International NV or its affiliates in the EU and/or other countries.

For additional information about ST trademarks, please refer to www.st.com/trademarks.

All other product or service names are the property of their respective owners.

