

MKL17Z128VFM4 (Active)

Kinetis KL17: 48MHz Cortex-M0+ Ultra-Low Power MCU, 128KB Flash, 32KB SRAM, 32-QFN

- [Data Sheet](#)
- [Product Summary](#)
- [Software & Tools](#)
- [Documentation](#)



Package :
[HUQFN32](#)
QFN 32 5*5*0.65 P0.5

- [Buy Options](#)
- [Operating Characteristics](#)
- [Environmental Information](#)
- [Quality Information](#)
- [Shipping Information](#)
- [Product Change Notification](#)

Operating Characteristics

Parameter	Value
Core Type	Arm Cortex-M0+
Operating Frequency [Max (MHz)]	48
Flash (kB)	128
SRAM (kB)	32
Serial Communication	2 x I ² C,2 x I ² C,2 x SPI,2 x SPI,3 x UART,3 x UART
I ² S	1
Human Machine Interface	segment LCD,touch system interface

Parameter	Value
PWM [Number, bits]	10 x 16
ADC [Number, bits]	1 x 16
DAC [Number, bits]	1 x 6
GPIO	28
Supply Voltage [Min to Max] (V)	1.71 to 3.6
Ambient Operating Temperature (Min to Max) (°C)	-40 to 105

Environmental Information

Material Declaration	PbFree	EU RoHS	Halogen Free	RHF Indicator	2nd Level Interconnect	REACH SVHC	Weight (mg)
MKL17Z128VFM4 (935312801557)	Yes	Yes Certificate Of Analysis (CoA)	Yes	D	e4	REACH SVHC	47.5
MKL17Z128VFM4R (935312801528)	Yes	Yes Certificate Of Analysis (CoA)	Yes	D	e4	REACH SVHC	47.5

Quality Information

Material Declaration	Safe Assure Functional Safety	Moisture Sensitivity Level (MSL)	Peak Package Body Temperature (PPT) (C°)	Maximum Time at Peak Temperatures (s)
		Lead Free Soldering	Lead Free Soldering	Lead Free Soldering
MKL17Z128VFM4 (935312801557)	No	3	260	40
MKL17Z128VFM4R (935312801528)	No	3	260	40

Shipping Information

Part Number	Harmonized Tariff (US) Disclaimer	Export Control Classification Number (US)
↗ MKL17Z128VFM4 (935312801557)	854231	3A991A2
↗ MKL17Z128VFM4R (935312801528)	854231	3A991A2

Product Change Notification

Part Number / 12NC	Issue Date	Effective Date	PCN	Title
MKL17Z128VFM4 (935312801557)	2017-12-20	2018-01-03	201710023I	New PQ Label Input for Non-MPQ Shipments
MKL17Z128VFM4R (935312801528)				

ABOUT NXP

- Investors
- Press, News, Blogs
- Careers

RESOURCES

- Mobile Apps
- Contact Us

FOLLOW US



News 6 Nov 2019 < >

Identiv Collaborates with NXP to Power New Kraft Heinz Intelligent Instant Redeemable Coupon for More Meaningful, Frictionless Customer Connections

[Read More](#)