

2nd Level Interconnect	e3
Moisture Sensitivity Level (MSL)	3
Floor Life	168 HOURS
Peak Package Body Temperature (PPT)(°C)	260
Maximum Time at Peak Temperature (s)	40
Number of Reflow Cycles	3
REACH SVHC	NXP REACH Statement
UL94 (plastics flammability test)	V0;Burning stops within 10 seconds on a vertical specimen;no drips allowed

Manufacturing Information

Micron Size(μm)	.09
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Ordering Information

Minimum Package Quantity (MPQ)	160
MPQ Container	TRAY
Exempt from Minimum Delivery Value	Yes
Preferred Order Quantity (POQ)	800
POQ Container	BOX
Export Control Classification Number (US)	3A991A2
Harmonized Tariff (	
CCATS Document	-
ENC Status	-
Other Trade Compliance Documents	-
Budgetary Price excluding tax(US Currency	-

Order

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 Sample

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Operating Characteristics

16-bit PWM (ch)	10
16-bit Timer (ch)	11
32-bit Timer (ch)	2
ADC	16-bit (SAR) x 1
Ambient Operating Temperature (Min-Max) (°C)	-40 to 105

Boot ROM (KByte)	16
Cache (KB)	0.064
Core Type	ARM Cortex-M0+
DAC	6-bit x 1
Debug & Trace	MTB SWD
DMA (ch)	4
GPIOs	54
Human Machine Interface	FlexIO
HW dev. tools	FRDM-KL27Z
I2C	2
MCUXpresso SDK	Yes
On-chip SRAM	16
Operating Frequency (Max) (MHz)	48
Other analog blocks	Comparator VREF
Package dimension (WxLxH) (mm3)	10x10x1.6
Package type	LQFP
Pin pitch (mm)	0.5
PWM Types	General purpose PWM
Qty Package carrier	160 TRAY
Sample Exception Availability	Y
Security	CRC
SPI	2
Total Flash (KByte)	64
UART	3
VDD (Max) (V)	3.6
VDD (Min) (V)	1.71

Reliability Data Lookup

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