

PK30X128VMD100 Information

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General Information

Parameter	Value
Part Number	PK30X128VMD100
Description	KINETIS 128KFLEX LCD
Product Line	G9VAXP21
PTI	JBNC
Material Type	Tested Packaged Device
Life Cycle Description (code)	REMOVED FROM ACTIVE PORTFOLIO
Status	No Longer Manufactured

Package Information

Parameter	Value
Package Description and Mechanical Drawing	144MAP 13*13*1.7 P1
Device Weight (g)	.44100
Pin/Lead/Ball Count	144
Package Length (nominal) (mm)	13.000
Package Width (nominal) (mm)	13.000
Package Thickness (nominal) (mm)	1.700
Maximum Height Above Board (mm)	1.700
Tape & Reel	No
Footprint (land pattern)	PDF Cadence Allegro(dra)

Environmental and Compliance Information

Parameter	Value
Pb-Free	
RoHS Compliant	
Halogen Free	Yes

Material Composition Declaration (MCD)[Download MCD Report](#) [Download MCD Report](#) 

RoHS Certificate of Analysis (CoA)	Download RoHS CoA Report
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	Freescale REACH Statement
UL94 (plastics flammability test)	V0: Burning stops within 10 seconds on a vertical specimen; no drips allowed

Manufacturing Information

Parameter	Value
Micron Size (µm)	.09

Ordering Information

Parameter	Value
Export Control Classification Number (US)	5A992
Harmonized Tariff (US) Disclaimer	8542.31.0000
Budgetary Price(\$US)	-

Operating Characteristics

Parameter	Value
Additional Features	Segment Display Controller PGA Touch Sensing Interface Memory Protection Unit (MPU) Vref 5V Tolerant
Ambient Operating Temperature (Min-Max) (°C)	-40 to 105
Analog Comparator	3
Core: Operating Frequency (Max) (MHz)	100
Core: Type	ARM Cortex M4
D/A Converter - Bits (bit)	12
Debug Features	JTAG Serial Wire Debug cJTAG
Device Type	MCU
EEPROM (kByte)	4
External Bus Interface	Flexbus

FlexMemory (kByte)	128
I/O Pins	102
Independent ADC modules	2
Internal Flash (kByte)	128
Internal RAM (kByte)	32
Max Simultaneous ADC channels	4 DP 46 SE
Pulse Width Modulators - Channels	12
Sample Exception Availability	N
Serial Interface - Number of Interfaces	6
	3
	2
	1
	2
Serial Interface - Type	UART SPI I2C I2S CAN
Supply Voltage (Min-Max) (V)	1.71 to 3.6
Timer type	Low Power Timer Periodic Interrupt Timer Programmable Delay Block
Total DMA Channels	16
Total Flash memory (kByte)	256

Reliability Data Lookup