

S912DG12CE1VPVE :Part Detail

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General Information

Part Number	S912DG12CE1VPVE
Description	128K SGF W/ COLPITT OSC
Product Line	GGFLDT28
PTI	MCDD
Material Type	Tested Packaged Device
Life Cycle Description (code) (/webapp/sps/site/eialink.jsp)	NOT RECOMMENDED(DECLINING)
Status	Not Recommended for New Design
Application/Qualification Tier (/webapp/sps/site/aqmlink.jsp?type=pop_up)	AUTO; >=10 YEARS APPLICATION LIFE

Package Information

Package Type and Termination Count	LQFP 112
Package Description and Mechanical Drawing	LQFP 112 20*20*1.4P0.65
Device Weight(g)	1.27830
Package Material	Plastic
Mounting Style	Surface Mount
Package Length (nominal)(mm)	20.000
Package Width (nominal)(mm)	20.000
Package Thickness (nominal)(mm)	1.000
Maximum Height Above Board(mm)	1.600
Tape & Reel	No

Environmental and Compliance Information

Pb-Free (http://www.nxp.com/webapp/sps/utis/showCollateral.jsp?code=PBFREE_INFO&type=pop_up)	
RoHS Compliant (http://www.nxp.com/webapp/sps/utis/showCollateral.jsp?code=ROHS_INFO&type=pop_up)	
Halogen Free (http://www.nxp.com/webapp/sps/utis/showCollateral.jsp?code=HALOGEN_FREE_INFO)	Yes
Material Composition Declaration (MCD) (http://www.nxp.com/webapp/sps/utis/showCollateral.jsp?code=ROHS_MCD&type=pop_up)	Download MCD Report (/mcds/S912DG12CE1VPVE.pdf) Download MCD Report (/mcds/S912DG12CE1VPVE.xls)
RoHS Certificate of Analysis (CoA)	Download RoHS CoA Report (http://www.nxp.com/webapp/search.partspiecedetail.framework?PART_NUMBER=S912DG12CE1VPVE)
2nd Level Interconnect (http://www.nxp.com/webapp/sps/utis/showCollateral.jsp?code=PLATING_INDICATOR_INFO)	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 (/files/corporate/doc/support_info/NXP-REACH-STATEMENT.pdf)
UL94 (plastics flammability test)	V0; Burning stops within 10 seconds on a vertical specimen; no drips allowed

Manufacturing Information

Micron Size(μm)	.5
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Ordering Information

Minimum Package Quantity (MPQ)	300
MPQ Container	BRICK
Exempt from Minimum Delivery Value	No
Preferred Order Quantity (POQ)	600
POQ Container	BOX
Leadtime (weeks)	15
Export Control Classification Number (US)	EAR99
Harmonized Tariff (US) Disclaimer (/webapp/sps/site/harmTariffDisclaim.jsp)	8542.31.0000
CCATS Document	-
ENC Status	-
Other Trade Compliance Documents	-
Budgetary Price excluding tax(US\$) (/webapp/sps/site/bplink.jsp) Change Currency	-
Order	

Operating Characteristics

ADC	8-ch. 10-bit
ADC (bit)	10
ADC (ch)	8
Additional Features	COP Internal Voltage Regulator PLL
Ambient Operating Temperature (Min-Max) (°C)	-40 to 125
Bus Frequency (Max) (MHz)	25
CAN	2
CAN Type	CAN 2.0 A/B
Core Type	S12
EEPROM (KB)	2
GPIOs	91
I2C	1
Internal Flash (KB)	128
Internal RAM (KB)	8
PWM	8-ch. 8-bit
PWM (bit)	4 8

PWM(ch)	8 16
Sample Exception Availability	N
SCI	2
SPI	2
Timer Features	Watchdog Output Capture Input Capture
Timers	8-ch. 16 bit

Reliability Data Lookup

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