

PC28F128J3D75A & PC28F128J3F75A Information

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Attributes	PC28F128J3D75A :Numonyx	PC28F128J3F75A :Micron
LC Risk	High	High
ENV Risk	N/A	Med
SC Risk	High	Med
Part Number	PC28F128J3D75A	PC28F128J3F75A
Mfr Name	Numonyx	Micron
Part Status	Discontinued	EOL
Description	Flash, 8MX16, 75ns, PBGA64	Flash, 8MX16, 75ns, PBGA64
Manufacturer Part Description	128 MBIT NUMONYX EMBEDDED FLASH MEMORY (J3 V.D)	128 MBIT NUMONYX EMBEDDED FLASH MEMORY (J3 65 NM) SINGLE BIT PER CELL (SBC)
Manufacturer Package Description	LEAD FREE, ESBGA-64	LEAD FREE, BGA-64
CAGE Code	5CBK8	6Y440
Generic/Series	PC28F128	PC28F128
EU RoHS Compliant		Yes
REACH Compliant		Yes
Life Cycle Stage	Discontinued	Phase-Out
Life Cycle Code	5	4.9
Availability(YTEOL)	0	1 - 2
Estimated YTEOL	0	1.21
Alert/Prediction Date	11-Mar-2010	15-Dec-2016
Date of Intro		18-May-2009
Comments	NUMONYX STRAFLASH EMBEDDED MEMORY (J3V.D) 130NM TO 65NM MIGRATION CONVERSION	MANUFACTURING EFFICIENCY
HTS Code	8542.32.00.51	8542.32.00.51
SB Code	8542.32.00.50	8542.32.00.50
ECCN	3A991.B.1.A	3A991.B.1.A
ECCN Governance	EAR	EAR
Memory IC Type	FLASH	FLASH
Parallel/Serial	PARALLEL	PARALLEL
DLA Qualification	Not Qualified	Not Qualified
Page Size (words)		4/8
Power Supplies (V)		3/3.3
Type		NOR TYPE
Temperature Grade	INDUSTRIAL	INDUSTRIAL
Programming Voltage (V)	2.7	2.7
Moisture Sensitivity Level	3	

Peak Reflow Temperature (Cel)	NOT SPECIFIED	260
Time@Peak Reflow Temperature-Max (s)	15	30
Sub Category		Flash Memories
Operating Mode	ASYNCHRONOUS	ASYNCHRONOUS
Memory Density (bits)	134217728	134217728
Organization	8MX16	8MX16
Number of Words (words)	8388608	8388608
Memory Width	16	16
Alternate Memory Width	8	8
Number of Words Code	8M	8M
LTB Date	31-May-2010	05-Mar-2018
Supply Voltage-Max (Vsup) (V)	3.6	3.6
Supply Voltage-Min (Vsup) (V)	2.7	2.7
Supply Voltage-Nom (Vsup) (V)	3	3
Operating Temperature-Max (Cel)	85	85
Operating Temperature-Min (Cel)	-40	-40
Technology	CMOS	CMOS
Number of Functions	1	1
Package Code	TBGA	TBGA
JESD-30 Code	R-PBGA-B64	R-PBGA-B64
Package Shape	RECTANGULAR	RECTANGULAR
Package Body Material	PLASTIC/EPOXY	PLASTIC/EPOXY
Terminal Position	BOTTOM	BOTTOM
Package Style	GRID ARRAY, THIN PROFILE	GRID ARRAY, THIN PROFILE
Terminal Form	BALL	BALL
Number of Terminals	64	64
Terminal Finish	TIN SILVER COPPER	Tin/Silver/Copper (Sn/Ag/Cu)
J-STD-609 Code	e1	e1
Surface Mount	YES	YES
Length (mm)	13	13
Width (mm)	10	10
Seated Height-Max (mm)	1.2	1.2
Terminal Pitch (mm)	1	1
Access Time-Max (ns)	75	75
Command User Interface		YES
Data Polling		NO
Sector Size (words)		128K

Toggle Bit		NO
Number of Sectors/Size		128
Supply Current-Max (A)		0.054
Standby Current-Max (A)		0.00012
Package Equivalence Code		BGA64,8X8,40
Common Flash Interface		YES
Ready/Busy		YES
Category	Flash Memories	Flash Memories
Active Generic	4	4
IHS Reference ID	1816108332	1819756761