

MCHC908AB32CFUR2 Information

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General Information

Parameter	Value
Part Number	MCHC908AB32CFUR2
Description	32K FLASH & 512 EE
Product Line	SAG9AB32
PTI	JDNA
Material Type	Tested Packaged Device
Life Cycle Description (code)	REMOVED FROM ACTIVE PORTFOLIO
Status	Migration Complete. No Longer Manufactured. View PCN and Replacement Part

Package Information

Parameter	Value
Package Description	QFP 64 14*14*2.2P0.8
JEDEC Pkg Description	PQFP-G64
Pin/Lead/Ball Count	64
Package Material	Plastic
Mounting Style	Surface Mount
Tape & Reel	Yes

Environmental and Compliance Information

Parameter	Value
Pb-Free	No
RoHS Compliant	No
Material Composition Declaration (MCD)	Download IPC-1752 Report
RoHS Certificate of Analysis (CoA)	Contact Us
Moisture Sensitivity Level (MSL)	3
Floor Life	168 HOURS
Package Peak Temperature (°C)	220

Replacement Parts information for MCHC908AB32CFUR2

Replacement Part	Replacement Type	Replacement Reason	Status	Device Sample Availability	Device Production Availability	Further Replacements	Replacement Part Details
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MC908AB32CFUER	-	REGULATORY OR LEGAL CHANGE	Not Recommended for New Design	Apr 2005	Apr 2005	Contact Us	
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Manufacturing and Qualification information

Parameter	Value
Micron Size (µm)	.5
Application/Qualification Tier	COMMERCIAL, INDUSTRIAL

Ordering Information

Parameter	Value
Last Order Date	30 Jun 2006
Last Ship Date	30 Dec 2006
Export Control Classification Number (US)	EAR99
Harmonized Tariff (US) Disclaimer	8542.31.0000
Budgetary Price QTY 1000+ (\$US)	-

Product/Process Change Notice (PCN)

Number	Type	Title	Issue Date	Effectivity Date
11713	Device Migration	TSPG MCD ROHS COMPLIANT NON-EXEMPT - 2	09 Jan 2006	09 Jan 2006
11581	Product Change Notice	NEW TRAY INTRODUCTION FOR QFP 14X14X2.2	29 Nov 2005	27 Feb 2006
11462	Product Bulletin	TSPG MCD ROHS COMPLIANT DEVICE MIGRATION	14 Oct 2005	15 Oct 2005
11431	Product Bulletin	TSPG MCD ROHS COMPLIANT DEVICE MIGRATION	04 Oct 2005	05 Oct 2005
11342	Update Notification	UPDATE TO TSPG BAT3 PROBE EXPANSION	31 Aug 2005	27 Sep 2005
11262	Product Change Notice	TSPG BAT3 PROBE EXPANSION	19 Aug 2005	17 Nov 2005
11122	Product Change Notice	TSPG BAT3 PROBE EXPANSION	07 Jul 2005	05 Oct 2005
11004	Product Bulletin	TSPG MCD PACKAGES NOT CONVERTING TO EPP	23 Jun 2005	24 Jun 2005
10605	Product Change Notice	MC68HC908AB32 MOS9 QUALIFICATION	04 Mar 2005	02 Jun 2005
10451	Product Change Notice	TRAY MATERIAL CHANGE FOR MQFP 1414 2.2.	15 Nov 2004	13 Feb 2005
10081	Product Bulletin	0.5UM PROCESS QUALIFICATION IN MOS9	07 Jul 2004	08 Jul 2004
9587	Update Notification	TSPG 8/16 BIT .5UM PROCESS QUAL IN MOS9 UPDATE	25 Feb 2004	26 Feb 2004
9382	Product Bulletin	14X14X2.2 QFP NEW CARRIER TAPE	02 Dec 2003	03 Dec 2003
9048	Product Bulletin	TIC SUPPORT FOR QUALITY QUERIES IN EMEA	04 Aug 2003	05 Aug 2003
8886	Product Bulletin	REDESIGN OF NH1414 2.2 14X14 MQFP TRAY	19 May 2003	20 May 2003
8627	Product Bulletin	MC68HC908AB32 SINGLE TEST FLOW	21 Mar 2003	22 Mar 2003
7856	Product Bulletin	14X14 QFP ASSY MOVE FROM SHC TO KLM, PT 2 OF 2	05 Aug 2002	06 Aug 2002
7517	Product Change Notice	NEW MASKSET L07H OF 908AB32 IN TSC6	10 May 2002	19 Aug 2002
7423	Product Bulletin	FINAL MANUFACTURING TEST CONSOLIDATIONS	12 Apr 2002	13 Apr 2002
7416	Product Change Notice	FINAL MANUFACTURING ASSY CONSOLIDATIONS	12 Apr 2002	22 Jul 2002

Operating Characteristics

Parameter	Value
A/D Converter - Bits (bit)	8
A/D Converter - Channels	8
A/D Converter-Y/N	Yes
Additional Features	Low Voltage Detect COP KBI POR
Ambient Operating Temperature (Ta) (Min) (oC)	-40
Ambient Operating Temperature (Ta) (Max) (oC)	85
Bus Frequency (Max) (MHz)	8
EEPROM (kByte)	0.512
I/O Pins	51
Internal Flash (kByte)	32
Internal RAM (kByte)	1
Pulse Width Modulators - Bits (bit)	16
Pulse Width Modulators - Channels	8
Serial Interface - Number of Interfaces	1 1
Serial Interface - Type	SCI SPI
Standby Function	WAIT STOP
Supply Current (Max) (mA)	30
Supply Voltage (Typ) (V)	5
Timers - Channels	8
Timers - Size (bit)	16