

MC68376BAVAB20 Information

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General Information

Parameter	Value
Part Number	MC68376BAVAB20
Description	32BIT MCU,8K ROM
PTI	JBKI
Material Type	Tested Packaged Device
Life Cycle Description (code)	REMOVED FROM ACTIVE PORTFOLIO
Status	No Longer Manufactured

Package Information

Parameter	Value
Package Description	QFP 160 28*28*3.3P0.65
JEDEC Pkg Description	PQFP-G160
Pin/Lead/Ball Count	160
Package Material	Plastic
Mounting Style	Surface Mount
Tape & Reel	No

Environmental and Compliance Information

Parameter	Value
Pb-Free	
RoHS Compliant	
Material Composition Declaration (MCD)	Download IPC-1752 Report
RoHS Certificate of Analysis (CoA)	Contact Us
2nd Level Interconnect	e3
Moisture Sensitivity Level (MSL)	3
Floor Life	168 HOURS
Package Peak Temperature (°C)	245

Manufacturing and Qualification information

Parameter	Value
Micron Size (µm)	.55
Application/Qualification Tier	COMMERCIAL, INDUSTRIAL, AUTOMOTIVE

Ordering Information

Parameter	Value
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
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

Operating Characteristics

Parameter	Value
32-bit Product Family	68K/ColdFire
A/D Converter - Bits (bit)	10
A/D Converter - Channels	16
A/D Converter-Y/N	Yes
Additional Features	QADC
Ambient Operating Temperature (Ta) (Min) (oC)	-40
Ambient Operating Temperature (Ta) (Max) (oC)	105
Bus Frequency (Max) (MHz)	20
CAN	TouCAN
Chip Selects	12
External Bus Width (bit)	32
External Memory Supported	SRAM
I/O Operating Voltage (Max) (V)	5
I/O Pins	18
Internal RAM (kByte)	7.5
Power Dissipation (Typ) (W)	0.57
Power Dissipation (Max) (W)	0.809
Serial Interface - Type	CAN SCI

	SPI
Timer	TPU
Timers - Channels	16