

## 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        |
| <a href="#">Life Cycle Description (code)</a> | REMOVED FROM ACTIVE PORTFOLIO |
| Status  | No Longer Manufactured        |

## Package Information

| Parameter             | Value                                  |
|-----------------------|--|
| Package Description   | <a href="#">QFP 160 28*28*3.3P0.65</a> |
| 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   |
|--|---|
| <a href="#">Pb-Free</a>                                |  |
| <a href="#">RoHS Compliant</a>                         |  |
| <a href="#">Material Composition Declaration (MCD)</a> | <a href="#">Download IPC-1752 Report</a>  |
| <a href="#">RoHS Certificate of Analysis (CoA)</a>     | <a href="#">Contact Us</a>  |
| <a href="#">2nd Level Interconnect</a>                 | 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                                |
| <b>Application/Qualification Tier</b> | COMMERCIAL, INDUSTRIAL, AUTOMOTIVE |

#### Ordering Information

| Parameter                                 | Value        |
|---|--------------|
| Export Control Classification Number (US) | EAR99        |
| Harmonized Tariff (US) <b>Disclaimer</b>  | 8542.31.0000 |
| <b>Budgetary Price QTY 1000+ (\$US)</b>   | -            |

#### Product/Process Change Notice (PCN)

| Number | Type             | Title   | Issue Date  | Effectivity Date |
|--------|------------------|---|-------------|------------------|
| 11462  | Product Bulletin | <b>TSPG MCD ROHS COMPLIANT DEVICE MIGRATION</b> | 14 Oct 2005 | 15 Oct 2005      |
| 11431  | Product Bulletin | <b>TSPG MCD ROHS COMPLIANT DEVICE MIGRATION</b> | 04 Oct 2005 | 05 Oct 2005      |

#### Operating Characteristics

| Parameter                                     | Value        |
|---|--------------|
| 32-bit Product Family                         | 68K/ColdFire |
| <b>A/D Converter</b> - Bits (bit)             | 10           |
| <b>A/D Converter</b> - 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        |
| <b>Serial Interface</b> - Type                | CAN<br>SCI   |

|                          |     |
|--------------------------|-----|
|                          | SPI |
| Timer                    | TPU |
| <b>Timers - Channels</b> | 16  |