



Part Number: BD9596BMWV-E2

### Description: Power Management IC for Bay Trail –M/-D/-I Platform

BD9596BMWV (Jarrell Cove) is a Power Management Integrated Circuit (PMIC) designed specifically for use on Bay Trail-M/-D/-I platform for in-vehicle infotainment (IVI) systems, industrial control systems.



### SPECIFICATIONS:

Grade: Standard

Vin1(Min.)[V]: 3.5

Vin1(Max.)[V]: 5.5

Output Voltage1 (Min.)[V]: 0.5

Output Voltage1 (Max.)[V]: 1.2

Output Current Capacity 1 [V]: 13.541

SW frequency(Max.)[MHz]: 1.0

Operating Temperature (Min.)[°C]: -40

Operating Temperature (Max.)[°C]: 95

### FEATURES:

- Complicated Power up / down sequence and state control are embedded.
- Fewer external components count / compact size.
- Controlling power regulation for each state (S4/S5, S3 and S0) results in a low power consumption.
- Built-in reference clock (RTCLK):  $32.768\text{kHz}\pm5\%$ .
- Power control logic with processor interface and event detection.
- SVID interface for control and register access.
- Error mode indicator for debugging.
- Built-in UVLO, SCP, OVP and TSD protection.

RoHS: Yes