

# HIGH TEMPERATURE ICs



For Harsh Environments

## Packages:

Ceramic SOIC (CS)  
Ceramic DIP (D)  
Plastic SOIC (S)

Plastic TSOP (T)

Gull Wing (H)

J Leaded (J)

Leadless SLCC (Y)

## Temperature:

Extended Temperature -55°C to +175°C (ET)

High Temperature -55°C to +200°C (HT)

### FLASH

Density	Max Temp	Org	Part No.	Vcc	Speed	Type
4Gb	+170° C	-	TTZ4G08	2.7-3.6V	10Mhz	NAND Parallel
256Mb	+200° C	-	Coming Soon	2.7-3.3V	10Mhz	SPI
128Mb	+175° C	-	TTZ25128	2.7-3.3V	10Mhz	SPI
64Mb	+175° C	-	TTZ2564SET	2.7-3.3V	10Mhz	SPI
64Mb	+200° C	-	TTZ2564CSHT	2.7-3.3V	10Mhz	SPI

### PARALLEL EEPROM

Density	Max Temp	Org	Part No.	Vcc	Speed (ns)	Type
1Mb	+200° C	128Kx8	TTE28HT010	5V	150,200,250	Parallel
1Mb	+150° C	128Kx8	TTE28C010	5V	120,150,175,200	Parallel

### SERIAL EEPROM

Density	Max Temp	Org	Part No.	Vcc	Speed	Type
64Kb	+175° C	-	TTE24C64	2.7-5.5V	400KHz	I2C
64Kb	+175° C	-	TTE25C64	2.7-5.5V	10MHz	SPI
256Kb	+175° C	-	TTE24C256	2.7-5.5V	400KHz	I2C
256Kb	+175° C	-	TTE25C256	2.7-5.5V	10MHz	SPI
COMING SOON -- INQUIRE:						
512Kb	+175° C	-	TTE25C512	2.7-5.5V	10MHz	SPI
1024Kb	+175° C	-	TTE25C1024	2.7-5.5V	10MHz	SPI

### ASYNCHRONOUS SRAM

Density	Max Temp	Org	Part No.	Vcc	Speed (ns)	Type
8Mb	+200° C	512Kx16	TTS512KX16LV	2.7V-3.6V	20	Parallel
8Mb	+200° C	512Kx16	TTS512KX16	5V	20	Parallel
16Mb	+200° C	1Mx16	TTS1MX16LV	2.7V-3.6V	20	Parallel
16Mb	+200° C	1Mx16	TTS1MX16	5V	20	Parallel

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MEMORY

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### SWITCH MODE CONTROLLER

Function	Max Temp	Input Voltage	Part No.	Efficiency
CURRENT MODE CONTROLLER	+175° C	10-120V	TT9110	HIGH
CURRENT MODE CONTROLLER	+175° C	10-450V	TT9120	HIGH

### REAL TIME CLOCK

Function	Max Temp	Interface	Part No.	Vcc	Current	Oscillator
ALL CALENDAR FUNC. REAL TIME CLOCK	+175° C	I <sup>2</sup> C	TTA365SET	2.7V-5.5V	.65µA	External 32.768KHz
ALL CALENDAR FUNC. REAL TIME CLOCK	+200° C	I <sup>2</sup> C	TTA365CSHT	2.7V-5.5V	.65µA	External 32.768KHz

### SUPERVISORY CIRCUIT -- COMING SOON

### CUSTOM SOI Capability

## SUPERVISORY CIRCUIT

- Multiple Voltages in a Single Chip
- Open Drain Output
- Holds Reset for 350ms (Typical)
- 200°C Operation
- Ceramic SOIC Package
- Coming Soon

## REAL TIME CLOCK

- Provides Year, Month, Day, Weekday, Hours, Minutes and Seconds based on a 32.768 KHz Quartz Crystal
- 1.8v to 5.5v Operation
- Low Backup Current; Typical .65µA
- I<sup>2</sup>C Bus Interface
- Alarm and Timer Functions
- 200°C Operation
- Ceramic SOIC Package

## SWITCHMODE CONTROLLERS

- 9120
- 10-450v Input Range
- Current Mode Controller
- High Efficiency
- 175°C and 200°C Operation
- Plastic and Ceramic SOIC Package

- 9110
- 10-120v Input Range
- Current Mode Controller
- High Efficiency
- 175°C and 200°C Operation
- Plastic and Ceramic SOIC Package