

HIGH TEMPERATURE ICs



For Harsh Environments

Packages:

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

Plastic DIP Module (PD)

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
16Gb	+175° C	–	TTZ16GM08PD (coming soon)	2.7-3.6V	–	NAND Parallel
8Gb	+175° C	–	TTZ8GM08PD (coming soon)	2.7-3.6V	–	NAND Parallel
4Gb	+175° C	–	TTZ4G08	2.7-3.6V	–	NAND Parallel
512Mb	+175° C	–	TTZ25M512PD	2.7-3.3V	10MHz	SPI
256Mb	+175° C	–	TTZ25M256PD	2.7-3.3V	10MHz	SPI
256Mb	+175° C	–	TTZ25256	2.7-3.3V	10Mhz	SPI
128Mb	+175° C	–	TTZ25128	2.7-3.3V	10Mhz	SPI
128Mb	+175° C	–	TTZ25M128PD	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
4Mb	+175° C	512Kx8	TTE28M040P	5V	120,150,175	Parallel
2Mb	+175° C	256Kx8	TTE28M020P	5V	120,150,175	Parallel
1Mb	+175° C	128Kx8	TTE28C010	5V	120,150,175	Parallel
1Mb	+200° C	128Kx8	TTE28HT010	5V	150,200,250	Parallel

SERIAL EEPROM

Density	Max Temp	Org	Part No.	Vcc	Speed	Type
64Kb	+175° C	–	TTE24C64	2.7-5.5V	400KHz	I2C
64Kb	+200° C	–	TTE25C64	2.7-5.5V	10MHz	SPI
256Kb	+175° C	–	TTE24C256	2.7-5.5V	400KHz	I2C
256Kb	+175° C	–	TTE25M256PD	2.7-5.5V	10MHz	SPI
256Kb	+200° C	–	TTE25C256	2.7-5.5V	10MHz	SPI
512Kb	+175° C	–	TTE25M512PD	2.7-5.5V	10MHz	SPI
512Kb	+200° C	–	TTE25C512	2.7-5.5V	10MHz	SPI
1024Kb	+175° C	–	TTE25M1024PD	2.7-5.5V	10MHz	SPI
1024Kb	+175° C	–	TTE25C1024	2.7-5.5V	10MHz	SPI

Consult factory for additional densities and module configurations

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ASYNCHRONOUS SRAM

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

SWITCH MODE CONTROLLER

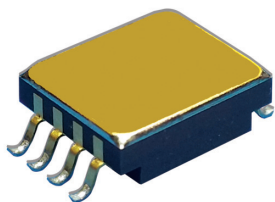
Function	Max Temp	Input Voltage	Part No.	Efficiency
CURRENT MODE CONTROLLER	+175° C	10-120V	TT9110	HIGH
CURRENT MODE CONTROLLER	+175° C	10-450V	TT9120	HIGH

REAL TIME CLOCK

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

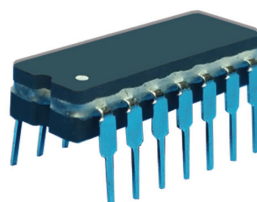
SUPERVISORY CIRCUIT — COMING SOON

CUSTOM SOI Capability



SUPERVISORY CIRCUIT

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



SWITCH MODE CONTROLLERS

- ▶ 9120: 10-450v Input Range
- ▶ 9110: 10-120v Input Range
- ▶ Current Mode Controller
- ▶ High Efficiency
- ▶ +175° C Max Operating Temp
- ▶ Plastic and Ceramic SOIC Package

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
- ▶ I²C Bus Interface
- ▶ Alarm and Timer Functions
- ▶ 200° C Operation
- ▶ Ceramic SOIC Package

Consult factory for additional densities and module configurations