

SRAM Chip Async Dual 3.3V 512K-bit 32K x 16 20ns 100-Pin TQFP Tray

Manufacturer: [Renesas Technology Corp](#)

Package/Case: TQFP-100

Product Type: Memory

RoHS: RoHS Compliant/Lead free 

Lifecycle: Active



Images are for reference only

[Inquiry](#)

General Description

The 70V27 is a high-speed 32K x 16 Dual-Port Static RAM designed to be used as a stand-alone Dual-Port RAM or as a combination MASTER/SLAVE Dual-Port RAM for 32-bit or wider memory system applications resulting in full-speed, error-free operation without the need for additional discrete logic. An automatic power down feature controlled by the chip enables (CE0 and CE1) permits the on-chip circuitry of each port to enter a very low standby power mode.

Key Features

True Dual-Ported memory cells which allow simultaneous access of the same memory location

Separate upper-byte and lower-byte control for bus matching capability

Dual chip enables allow for depth expansion without external logic

70V27 easily expands data bus width to 32 bits or more

Busy and Interrupt Flags

On-chip port arbitration logic

Full on-chip hardware support of semaphore signaling between ports

Fully asynchronous operation from either port

LVTTL-compatible, single 3.3V ($\pm 0.3V$) power supply

Available in 100-pin TQFP and 144-pin fpBGA packages

Industrial temperature range (-40C to +85C) is available

Recommended For You

70V3599S133BCGI

Renesas Technology Corp
BGA

70V36S15PF8

Renesas Technology Corp
BGA

71V65703S75BGG

Renesas Technology Corp
FBGA

71V65703S85PFG

Renesas Technology Corp
FBGA

71V65703S80PFG

Renesas Technology Corp
BGA

M5M5V108DVP-70HIST

Renesas Technology Corp
TSOP

7024L20PFGI

Renesas Technology Corp
TQFP-100

70V36S15PF

Renesas Technology Corp
BGA

71016S12PHG8

Renesas Technology Corp
Reel

HN27C256AG-10

Renesas Technology Corp
DIP

HN27C256AG-15

Renesas Technology Corp
DIP

AT25DF041B-SSH-N-T

Renesas Technology Corp
SOP8

HN27C4001G-12

Renesas Technology Corp
CDIP

R8A66174SP

Renesas Technology Corp
SOP20

AT45DB641E-MWHN-Y

Renesas Technology Corp
QFN