

Semiconductor Products Sector Inter-Office Correspondence

**Date**: August 25, 1999 From: Leo Loc

To: Mike Winkler Phone: 895-3121 Mail Drop: OE318

## XC Qualification of 860SART (K20A)

The 860SART device, mask set K20A, has met XC qualification requirements and may be shipped for revenue. This product is a Fast Ethernet derivative of the 860+, mask set H99G. The  $349 \times 335$  mil die is manufactured in MOS11 on the  $0.32\mu m$  CDR2 process, and is assembled in the 357-pin PBGA (ZP) in KLM. These technologies are fully qualified. Package stresses were also performed to qualify the 1-mil bond wire for CDR2 devices.

Qualification results are summarized below.

Stress Results (#fails/#devices)

ms/#uevices)
.008 hours
504 hours
68 hours
8 hours
8 hours
8 hours
.00 cycles
.00 cycles
00 cycles
008 hours



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Congratu	lations on a successful qualification!
Regards,	
Leo Loc PCSD/NS	SD Reliability & Quality Assurance