

Leveraging our
MEMORY
LINE CARD
for **YOU**

Micross is the leading one-source, one-solution provider of Bare Die & Wafers, Advanced Interconnect Technology, Custom Packaging & Assembly, Component Modification Services, Electrical & Environmental Testing and Hi-Rel Products to manufacturers and users of semiconductor devices. In business for more than 35 years, our comprehensive array of high-reliability capabilities serve the global Defense, Space, Medical, Industrial and Fabless Semiconductor markets. Micross possesses the sourcing, packaging, assembly, test and logistics expertise needed to support an application throughout its entire program cycle.

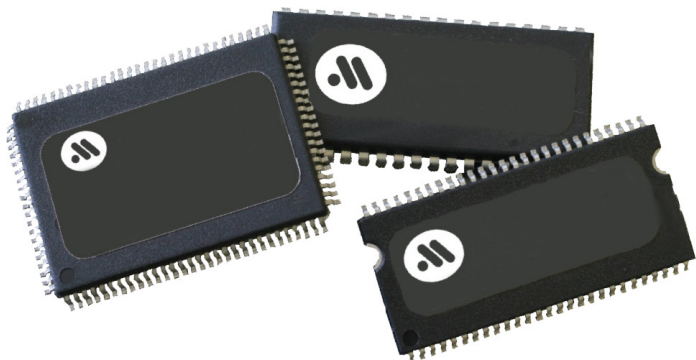
Authorized by over 25 major semiconductor manufacturers with access to thousands of different part types, Micross offers unparalleled knowledge & extensive capabilities coupled with the flexibility to adapt our suppliers' standard products to the unique requirements of your device or system.

For additional information, please call:

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Manufacturer	DRAM	Synch SRAM	Asynch SRAM	NAND Flash	NOR Flash	EEPROM	MRAM	FRAM & nvSRAM
						✓		
		✓	✓	✓	✓			✓
							✓	
					✓	✓		
	✓			✓	✓			
						✓		
	✓			✓				
	✓	✓	✓	✓	✓			
	✓	✓	✓					



Microcross has been supplying high-reliability memory products for over twenty-five years. As a QML supplier fully certified to AS9100 and ISO 9001:2008, Microcross meets and exceeds the demands of the military, aerospace, transportation, industrial and medical diagnostic markets.

As the first, non-OEM QML supplier to be certified by DSCC, Microcross is certified to MIL-PRF-38535 Class Q and MIL-PRF-38534 Class H.

Form Factors & Screening Levels

- Die/Wafer
- Standard Military Drawing (SMD)
- Standard Ceramic Packaging
- Retail+/COTS/PEMS

Die & Wafer

- Wafer Processing: Saw, Sort, Inspect
- Wafer Probe
- Wafer Bumping & ROL
- Specialty Die: KGD & Qualification
- BOM Management: Long-Term Die Storage
- Electronic Test, Environmental Screening

SMD/SCD

Microcross has over 1600 part numbers listed with DSCC, on various SMDs. In addition, Microcross supports customer-specific drawings (SCD) covering various memory technologies.

Retail+™/COTS/PEMS

Microcross' long-term experience and knowledge in product engineering, test and support of the Hi-Rel community, has led to the development of the Retail+, COTS and PEMS (Plastic Encapsulated Microcircuit) device families.

Microcross' Retail+ Product Line enables customers to use industry leading components that were not previously available for their hi-rel, long-life applications.

COTS Parts are developed and tested to industrial, extended and military temperature ranges, with burn-in and temperature cycling available as requested.

The PEM Qualification Process validates a device's application performance by screening out unsuitable and unreliable parts through mechanical, environmental, and electrical testing, as well as an analysis of the construction of the device through DPA.

Benefits

- Off-the-shelf extended environment products
- Improved costs and performance
- 100% tested/processed to*:
 - Industrial [IT] -40°C to 85°C
 - Enhanced [ET]-40°C to 105°C
 - Extended [XT] -55°C to 125°C
- 100% DC / AC tested*:
 - At voltage corners
 - At temperature extremes
- Industry standard packages
- Upgradeable families
- RoHS compliant options

**Does not apply to Retail+ Product Line. See Retail+ Product Line flyer for details..*