Defense Non-volatile Serial NOR Flash nomenclature



Device Family
- S25FL — 3-V SPI flash memory
- S70FL — Stacked 3.0 V-Only, SPI flash memory

Density
- 128 — 128 Mb
- 256 — 256Mb
- 512 — 512 Mb
- 01G — 1 Gbit

Process Technology
- S — 65-nm MIRRORBIT™ process technology

Speed
- AG — 133 MHz
- DP — 66 MHz DDR
- DS — 80 MHz DDR

Package
- B — 24-ball BGA 6 x 8 mm package, 1.00 mm pitch
- N — 8-contact WSON 6 x 8 mm package
- M — 16-pin SO package

Packing Type
- 0 — Tray
- 1 — Tube
- 3 — 13" Tape and reel

Model Number (sector type)
- 0 — Uniform 64-KB sectors
- 1 — Uniform 256-KB sectors

Model Number (Latency type, package details, RESET# and V_IO support)
- 0 — EHPLC, SO/WSON footprint
- 2 — EHPLC, 5 × 5 ball BGA footprint
- A — EHPLC, 5 × 5 ball BGA footprint with RESET# and VIO
- C — EHPLC, 5 × 5 ball BGA footprint with RESET#

Temp Range
- E — Military (-55°C to +125°C)

Package Material
- A — Leaded (Sn/Pb)-balls - BGA only
- F — Low-Halogen, Lead (Pb)-free
- H — Low-Halogen, Lead (Pb)-free

Published by
Infineon Technologies AG
Am Campeon 1-15, 85579 Neubiberg
Germany

© 2025 Infineon Technologies AG.
All rights reserved.

Public

Date: 11/2025

Please note!
This Document is for information purposes only and any information given herein shall in no event be regarded as a warranty, guarantee or description of any functionality, conditions and/or quality of our products or any suitability for a particular purpose. With regard to the technical specifications of our products, we kindly ask you to refer to the relevant product data sheets provided by us. Our customers and their technical departments are required to evaluate the suitability of our products for the intended application.

We reserve the right to change this document and/or the information given herein at any time.

Additional information
For further information on technologies, our products, the application of our products, delivery terms and conditions and/or prices, please contact your nearest Infineon Technologies office (www.infineon.com).

Warnings
Due to technical requirements, our products may contain dangerous substances. For information on the types in question, please contact your nearest Infineon Technologies office.

Infineon Technologies Components may only be used in life-support devices or systems with the expressed written approval of Infineon Technologies, if a failure of such components can reasonably be expected to cause the failure of that life-support device or system, or to affect the safety of effectiveness of that device or system.

Life support devices or systems are intended to be implanted in the human body, or to support and/or maintain and sustain and/or protect human life. If they fail, it is reasonable to assume that the health of the user or other persons may be endangered.

Scan QR code and explore offering
www.infineon.com/hirelmemory