

Hardware Features

Chip Type Industrial Grade Standard Grade Supplier Starchip Samsung Chip Codes SCM392G S3FS9FG **Electrical Characteristics** 1.6V to 5.5V 1.6V, 3V and 5V Operational Temperature Characteristics -40° to 105°C -25° to 85°C Memory Size available for program and data 136K/256K 340K/440K

NVRAM characteristics

Endurance cycles (min) @ 25° Min. 200MM read/write cycle
Data retention (min) @ 25° 25 Years

Vibration
Passes JESD22-B103

Sector/Bank erase time
1.5ms/3ms
1.5ms/0.4ms
1.5ms/0.4ms

Software Features

Platform

Technology2G/3G/4G/LTE2G/3G/4G/LTEUICCRelease 8Release 8Java Card2.2.1 or higher2.2.1 or higherGlobal Platform2.2.12.2.1

Supported Applications

SIM Release 4 Release 4
USIM Release 8 Release 8
ISIM Release 8 Release 8
HPSIM Release 8

OTA Capabilities

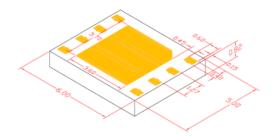
Remote File Management Release 8 Release 8
Remote Applet Management Release 8 Release 8

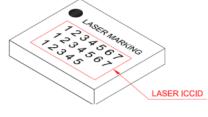
SIM Card Physical Characteristics

Embedded Form Factor (MFF2)

Module FormatMFF2 (QFN8) embedded.Size6 x 5mm*, (height: 0.75-0.82mm)StandardTS 102.671 - standardized formatFittingSoldered to circuit boardTransportationOn trays/reels/boxes

Technical Details (MFF2)







SIM Card Physical Characteristics



2FF - Mini SIM

Height: 25mm Width: 15mm Thickness: 0.76mm



3FF - Micro SIM

Height: 15mm Width: 12mm Thickness: 0.76mm



4FF - Nano SIM

Height: 12.3mm Width: 8.8mm Thickness: 0.67mm

Embedded SIM QNF8 Pinout

