

SQF and SQRam

Part Number Naming Rule

2021.Aug



Naming Rule – SQFlash

Model Name:
SQFlash

SQF-xxxxx-xxxx-xxx

Flash type:

S → SLC	E → 3D eTLC
M → MLC	C → 3D cTLC
U → UltraMLC	Z → 3D sTLC (1-bit)
T → 2D TLC	W → 3D TLC (2-bit)
V → 3D TLC	

Channel type:

(After S11, E8: Flash IC Q'ty)

1 → Single Channel
2 → Dual Channel
4 → Quad Channel
5 → 5 Channel
8 → 8 Channel
9 → 9 Channel
A → 10 Channel
F → 16 Channel

Example: SQF-S25S4-32G-S9C

Brand:

- → Toshiba
A → Intel
B → Sandisk
C → Micron
D → Hynix
E → YMTC JGS
F → WD
H → Samsung

Capacity:
256M~8T

Others support:

- → Normal (BiCS3, B16)
A → w/ OPAL (E8 only)
R → Retail package
C, D, E → New Flash gen. After (BiCS4, B27) of 3D TLC

Form Factor:

P10 → CF	CUS → uPCIe SSD
P25 → 2.5" PATA SSD	FU5 → UFS,153B
PDM → PATA DOM	S10 → CFast
ISD → Industrial SD	S25 → 2.5" SATA
MSD → MicroSD	SMS → mSATA
UPD → USB PenDrive	SHM → Half-size mSATA
UDM → USB DOM	SDM → SATA DOM
C25 → 2.5" PCIe/U.2 (SFF-8639)	SLM → Half Slim
C3A → M.2 2230 (AE Key)	S4B → M.2 2242 (BM Key)
C4M → M.2 2242 (M Key)	S6B → M.2 2260 (BM Key)
C8M → M.2 2280 (M Key)	S8B → M.2 2280 (BM Key)
C8B → M.2 2280 (BM Key)	SUS → uSATA SSD
CBM → M.2 22110 (M Key)	MMC → eMMC,100B
CMS → Full-size MiniPCIe	MM5 → eMMC,153B
CFX → CFexpress	

Temperature:

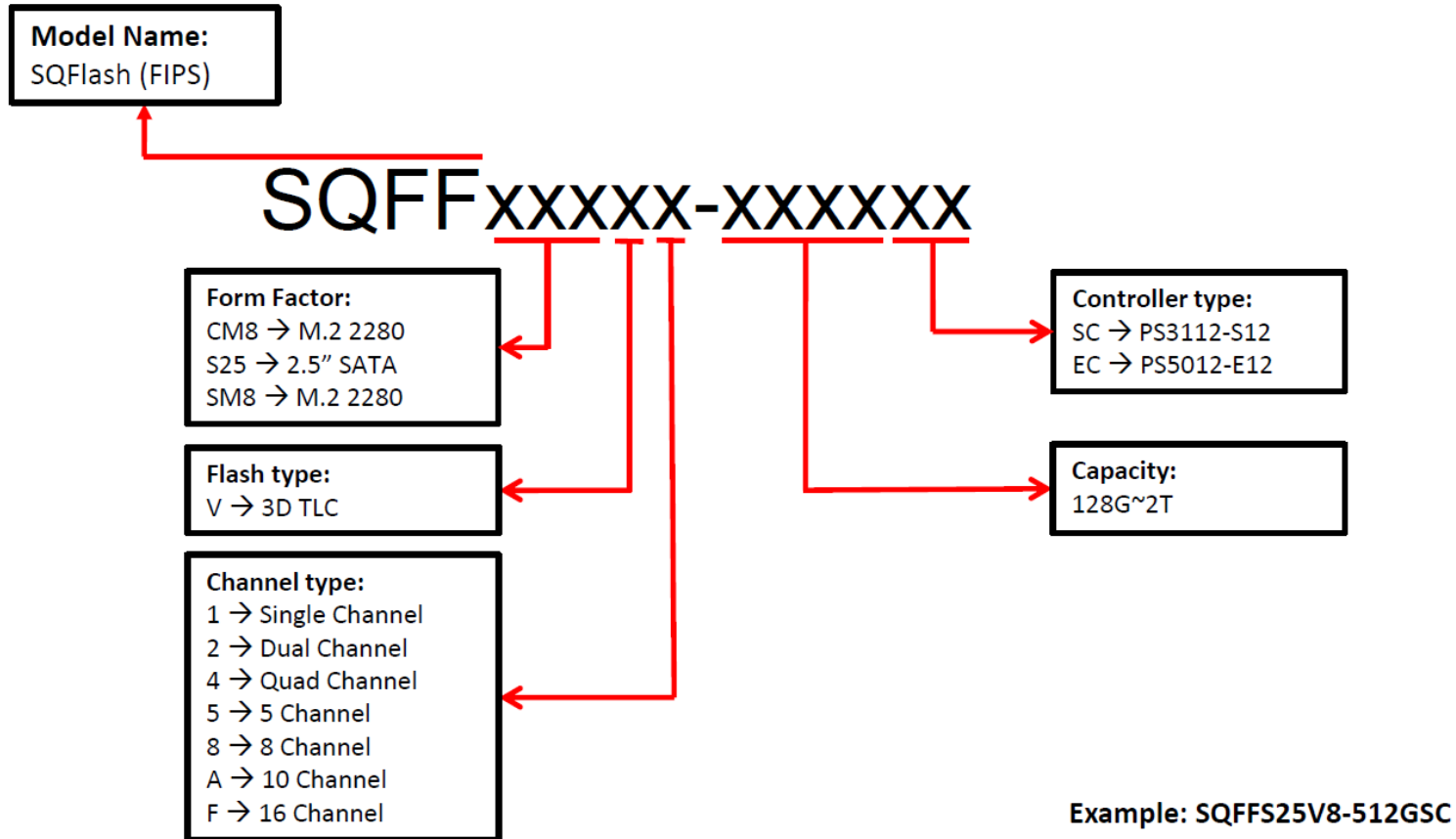
C → Commercial Temp (0~70°C)
E → Extended (or Auto Grade3) Temp (-40~85°C)
If Form Factor is 'MMC' or 'MM5', please follow as below
I → Industrial Temp (-40~85°C)
E → Auto Grade3 Temp (-40~85°C)
A → Auto Grade2 Temp (-40~105°C)

Controller type:

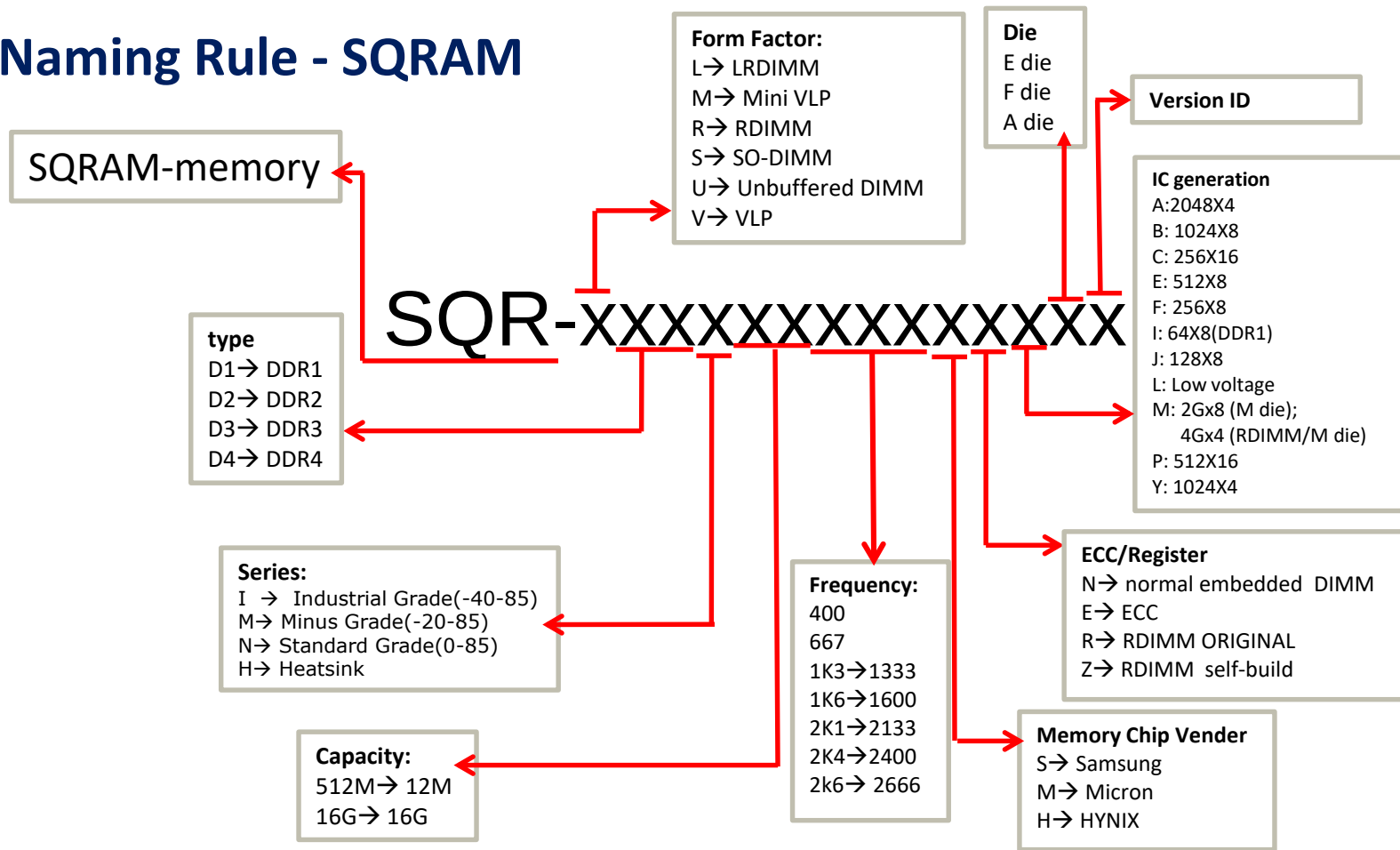
P8 → PS3016-P8	SB → PS3111-S11	E7 → PS5007-E7
P9 → PS3016-P9	SC → PS3112-S12	E8 → PS5008-E8/E8T
S8 → PS3108-S8	M5 → PS8225	EC → PS5012-E12
S9 → PS3109-S9	21 → PS8210	ED → PS5013-E13T
SA → PS3110-S10	D1 → PS8131	EI → PS5018-E18

Note. After E13, S17 (since 2021/1/1) project, the definition of M.2 form factor will be changed.

Naming Rule – SQFlash (FIPS)



Naming Rule - SGRAM



PN: SQR-SD4I4G2K4SEEEB