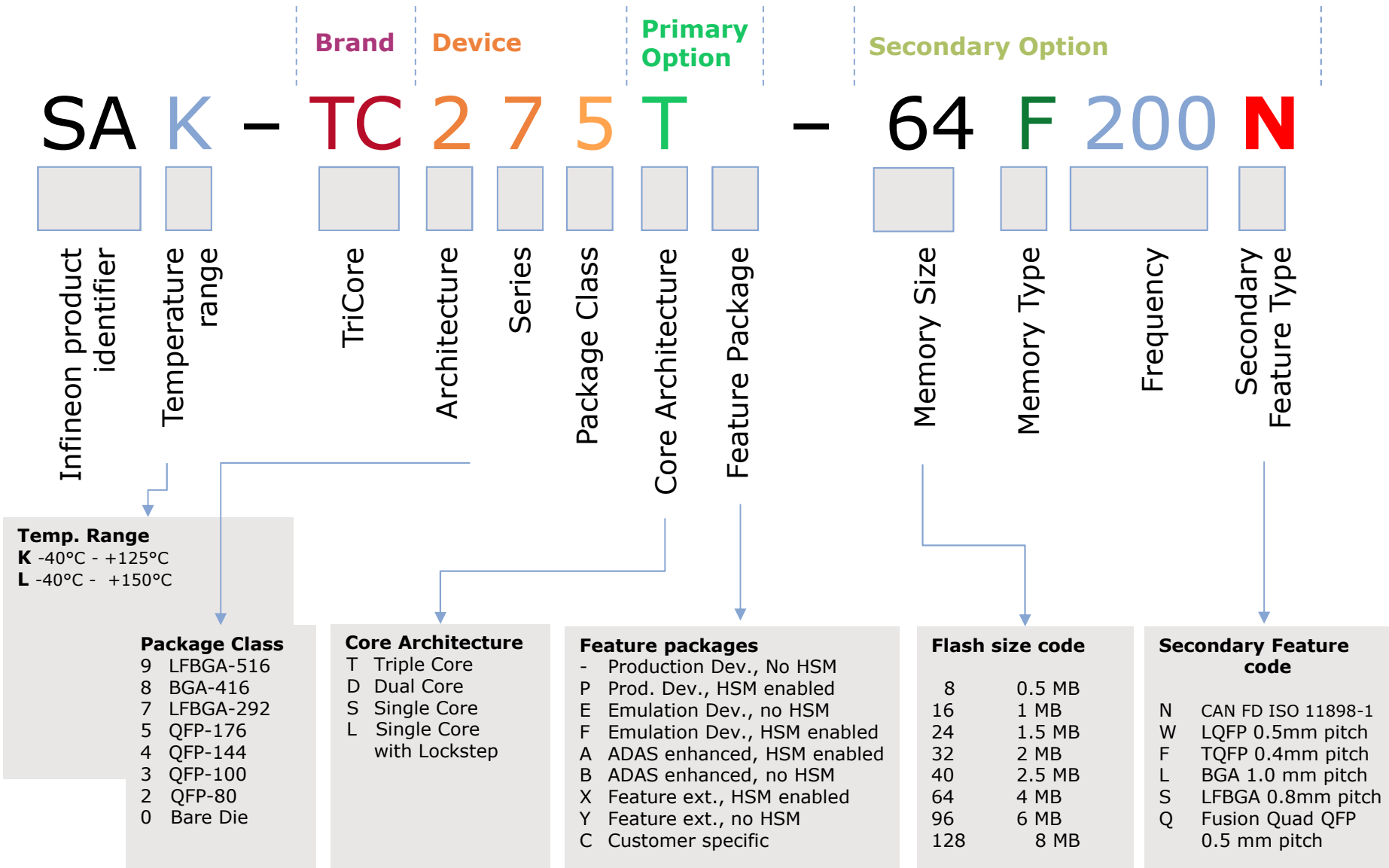


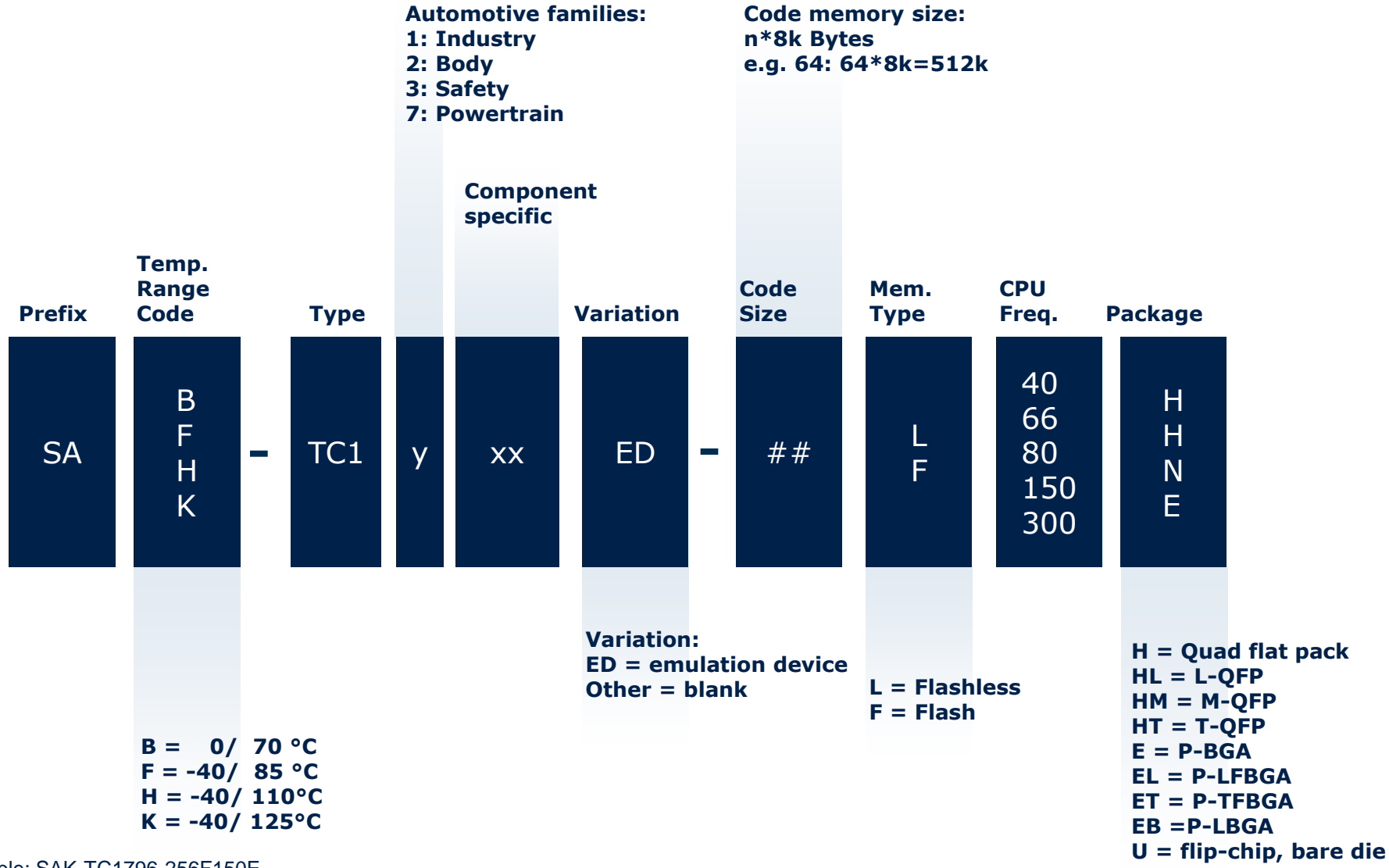
AURIX™ Product Naming



Naming Convention for **TriCore®** Family



Example: SAK-TC1796-256F150E



Example: SAK-TC1796-256F150E

Naming Convention for **XMC4000** Family



Example: XMC4500–F144K1024 AC

| Family | Core | Feature | | | Package | Pins | Temp. | Flash [kB] | Step |
|--------|------|---------|---|-----|-------------|------|-------------|------------|----------------|
| XMC | 4 | 5 | 0 | 0 | E F Q | 144 | K X F | 1024 | AA AB AC |
| | | 4 | | 768 | | | | | |
| | | 2 | | 512 | | | | | |
| | | 1 | | 256 | | | | | |
| | | 8 | | 128 | | | | | |
| | | | | | | | 64 | | |

Silicon Version
 AA = 01
 AB = 02
 AC = 03

K = -40° to 125°C
 X = -40° to 105°C
 F = -40° to 85°C

E = LFBGA | F = LQFP | Q = VQFN

0 = Full Featured < > 8 = Feature Subset

1 = Baseline < > 5 = High-End

ARM® Cortex™-M4 with built in DSP, SPFPU, DMA and MPU

XMC := Industrial Microcontroller Family based on ARM® Cortex™-M Processors

Naming Convention for **XMC1000** Family



Example: XMC1302-T038X0200 AA

| Family | Core | Feature | | | Package | Pins | Temp. | Flash [kB] | Step |
|--------|------|---------|---|---|---------|------|-------|------------|------|
| XMC | 1 | 3 | 0 | 2 | Q | 40 | X | 200 | AA |
| | | 2 | | 1 | T | 38 | | 128 | |
| | | 1 | | 0 | | 28 | F | 64 | |
| | | | | | | 24 | | 32 | |
| | | | | | | 16 | | 16 | |
| | | | | | | | | 8 | |

Silicon Version
AA = 01

X = -40° to 105°C
F = -40° to 85°C

Q = VQFN | T = TSSOP

2 = Full Featured < > 0 = Feature Subset

1 = Baseline < > 3 = High-End

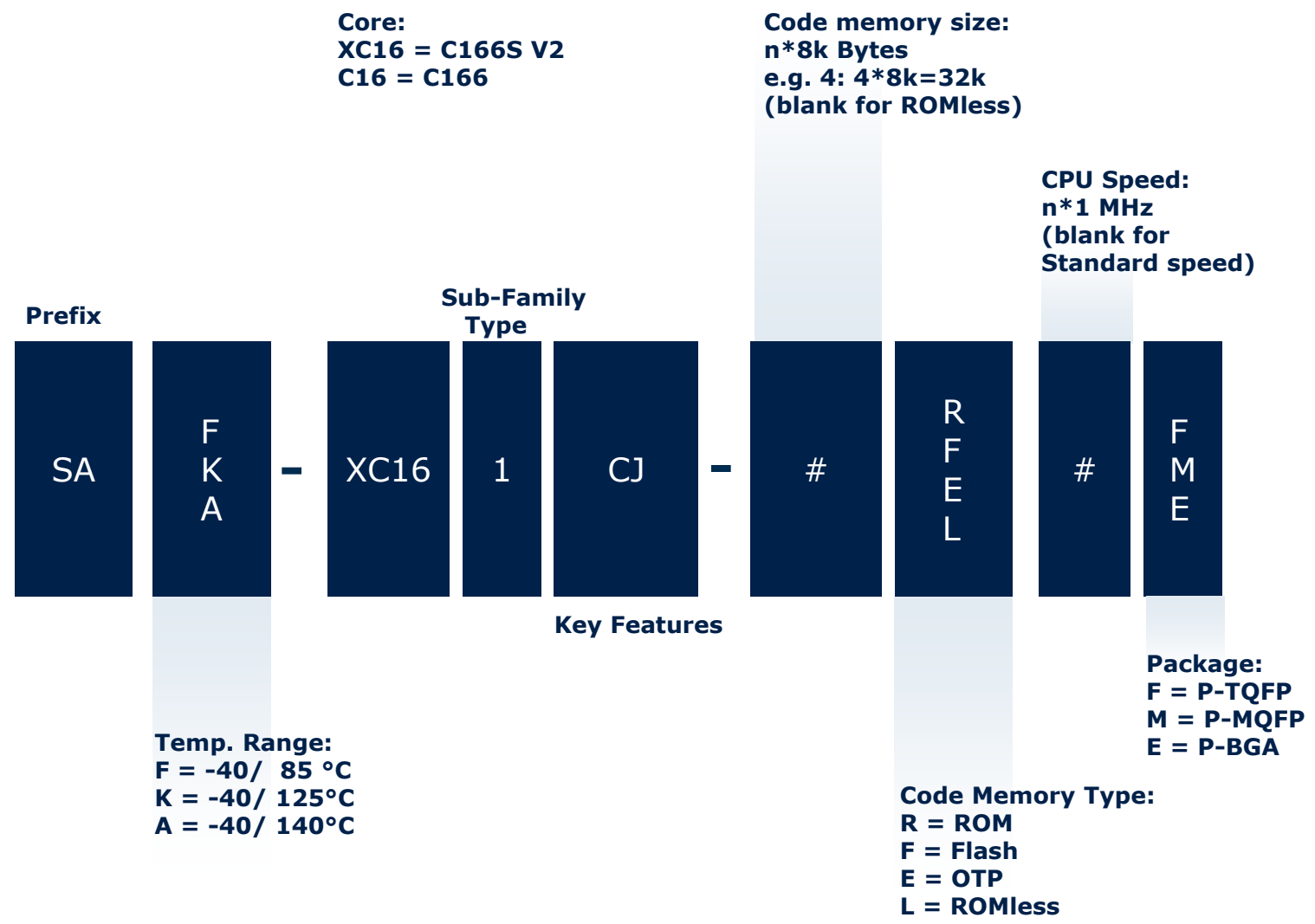
ARM® Cortex™-M0

XMC := Industrial Microcontroller Family based on ARM® Cortex™-M Processors

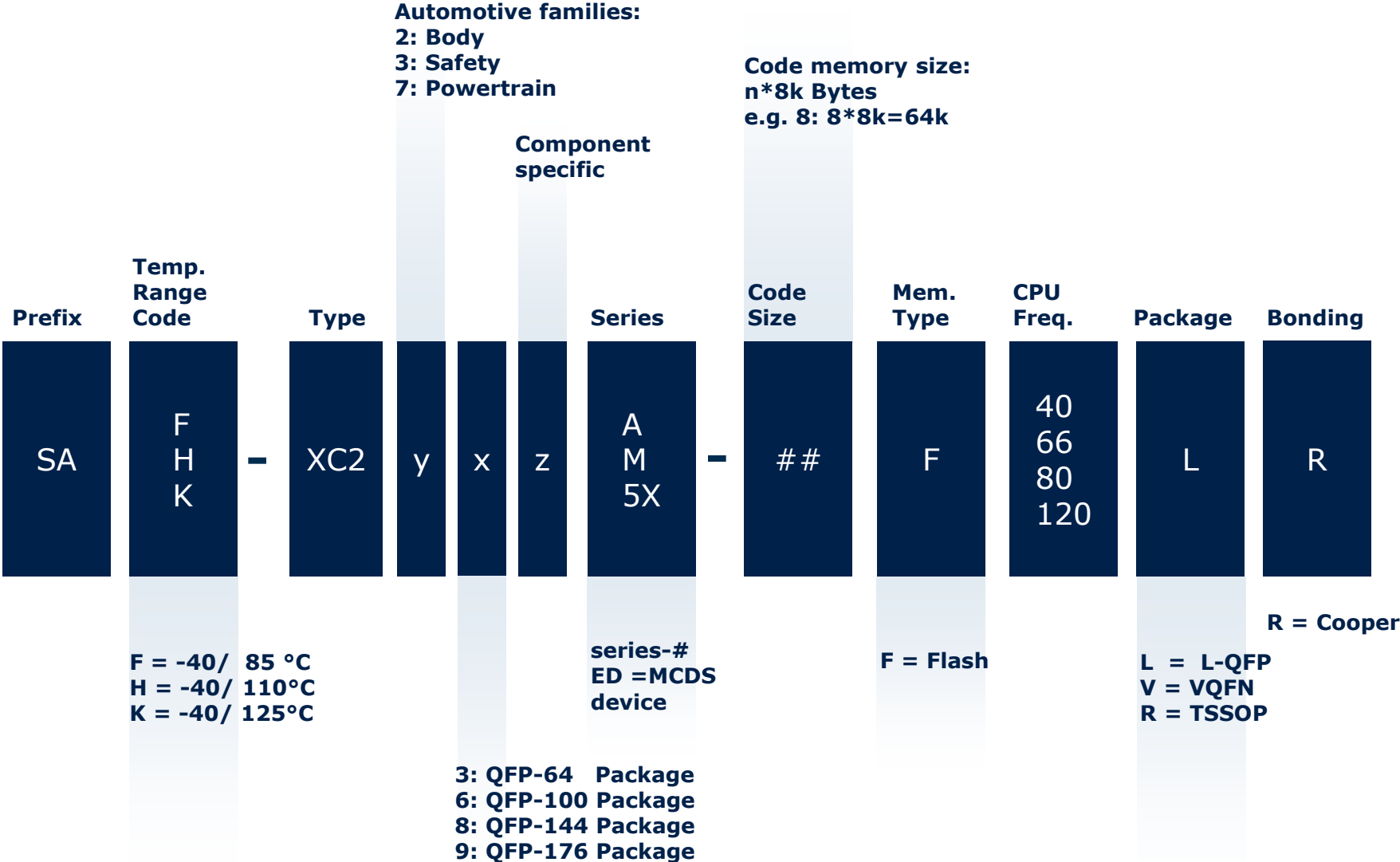
Naming Convention for **16-bit** Family



Example: SAF-XC161CJ-14F20F



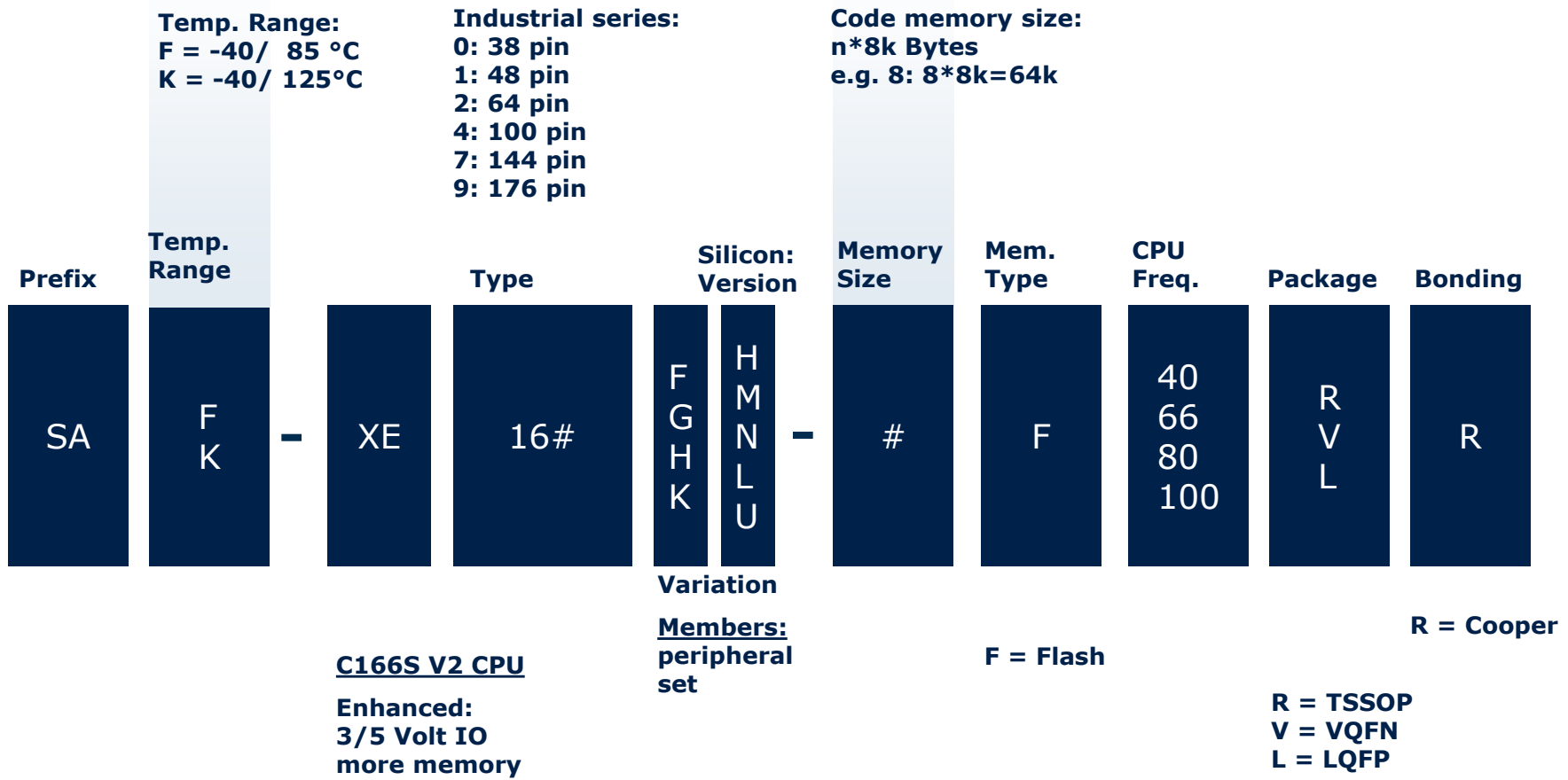
Naming Convention for XC2000 Family



Naming Convention for XE166 Family



Example: SAF-XE167F-96F80L



Naming Convention for **XC800** Family



XC800 Family product
+
2 digits: component specific

Code memory size:
n*4k Bytes
e.g. 4: 4*4k=16k

5V = 5V Supply
3V3 = 3V Supply

F = Flash
R = ROM



F = -40°C-85°C
X = -40°C-105°C
K = -40°C-125°C
A = -40°C-140°C
L = -40°C-150°C

C = CAN
L = LIN
M = MDU

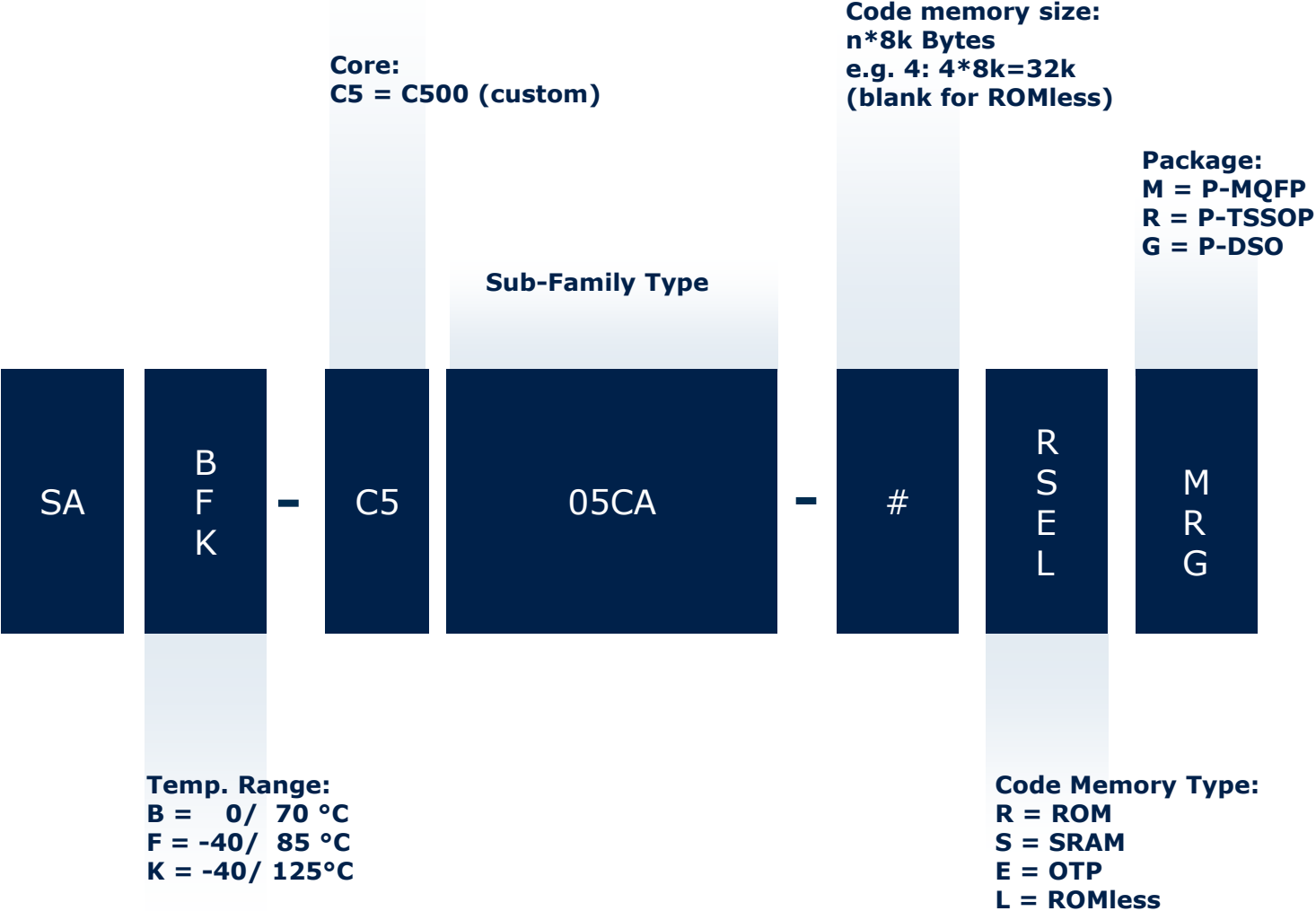
R = TSSOP
F = T/LQFP
G = P-DSO
V = VQFN

A = Automotive
I = Industrial

Naming Convention for C500 Family



Example: SAB-C505CA-4EM



Mouser Electronics

Authorized Distributor

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[FX164CM16F40FBAXT](#) [SAF-XC161CJ-16F40F BB](#) [SAF-XC164CS-32F40F BB-A](#) [SAF-XC167CI-32F40F BB-A](#) [SAF-](#)
[XC888C-8FFI 3V3 AC](#) [FX164CS32F40FBAXT](#) [FX167CI32F40FBAXT](#) [XC164CS32F40FBBAFXQMA1](#)
[FX164CS32F40FBAXP](#) [KX164CS16F40FBBXP](#) [KX164CS32F20FBAXT](#)