

# Z80 Family Part Numbering

## Z84C0010PEC

### Environmental

C	Plastic Standard
E	Hermetic Standard
A	Hermetic Stressed
B	Mil STD-833 Class B Processing
D	Plastic Stressed
J	JAN 38510 Military
G	ROHS Compliant Plastic (All others not ROHS Comp)

### Temperature

S	0 to +70C
E	-40 to +85C
M	-55 to +125C
MB	-55 to +125C (With Mil STD-883 Class B Processing)

### Style

A	Hermetic, Stressed
C	Ceramic
D	CerDIP
E	Hermetic
P	PDIP-40
A	LQFP-44 (10x10mm with 12.0mm footprint)
F	PQFP-44 (10x10mm with 13.9mm footprint)
V	PLCC-44

### Frequency

0004	4MHz (Same as Z80A, Z8400A)
0006	6MHz (Same as Z80B, Z8400B, Rated to 6.17MHz)
0008	8MHz
0010	10MHz
0020	20MHz
1004	4MHz DMA Controller (NMOS and CMOS)
1006	6MHz DMA Controller (CMOS only)
1008	8MHz DMA Controller (CMOS only)
2004	4MHz PIO (NMOS and CMOS)
2006	6MHz PIO (CMOS only)
2008	8MHz PIO (CMOS Only)

### Prefix/Process

Z8400*	NMOS 2.5MHz Z80 (Before numbering change)
Z8400A*	NMOS 4MHz Z80A (Before numbering change)
Z8400B*	NMOS 6MHz Z80B (Before numbering change)
Z084	Prefix for depletion mode NMOS
Z84C	Prefix for CMOS

### \* Z8400 temperature grades

B1	Plastic	0 to +70C
B6	Plastic	-40 to +85C
C1	PLCC	0 to +70C
C6	PLCC	-40 to +85C
D1	Ceramic	0 to +70C
D6	Ceramic	-40 to +85C
D2	Ceramic	-55 to +125C
F1	Frit-Ceramic	0 to +70C
F6	Frit-Ceramic	-40 to +85C