

# PIC18F8722 FAMILY

**TABLE 1-2: DEVICE FEATURES (PIC18F8527/8622/8627/8722)**

Features	PIC18F8527	PIC18F8622	PIC18F8627	PIC18F8722
Operating Frequency	DC – 40 MHz	DC – 40 MHz	DC – 40 MHz	DC – 40 MHz
Program Memory (Bytes)	48K	64K	96K	128K
Program Memory (Instructions)	24576	32768	49152	65536
Data Memory (Bytes)	3936	3936	3936	3936
Data EEPROM Memory (Bytes)	1024	1024	1024	1024
Interrupt Sources	29	29	29	29
I/O Ports	Ports A, B, C, D, E, F, G, H, J	Ports A, B, C, D, E, F, G, H, J	Ports A, B, C, D, E, F, G, H, J	Ports A, B, C, D, E, F, G, H, J
Timers	5	5	5	5
Capture/Compare/PWM Modules	2	2	2	2
Enhanced Capture/Compare/PWM Modules	3	3	3	3
Enhanced USART	2	2	2	2
Serial Communications	MSSP, Enhanced USART	MSSP, Enhanced USART	MSSP, Enhanced USART	MSSP, Enhanced USART
Parallel Communications (PSP)	Yes	Yes	Yes	Yes
10-bit Analog-to-Digital Module	16 Input Channels	16 Input Channels	16 Input Channels	16 Input Channels
Resets (and Delays)	POR, BOR, RESET Instruction, Stack Full, Stack Underflow (PWRT, OST), MCLR (optional), WDT	POR, BOR, RESET Instruction, Stack Full, Stack Underflow (PWRT, OST), MCLR (optional), WDT	POR, BOR, RESET Instruction, Stack Full, Stack Underflow (PWRT, OST), MCLR (optional), WDT	POR, BOR, RESET Instruction, Stack Full, Stack Underflow (PWRT, OST), MCLR (optional), WDT
Programmable High/Low-Voltage Detect	Yes	Yes	Yes	Yes
Programmable Brown-out Reset	Yes	Yes	Yes	Yes
Instruction Set	75 Instructions; 83 with Extended Instruction Set enabled	75 Instructions; 83 with Extended Instruction Set enabled	75 Instructions; 83 with Extended Instruction Set enabled	75 Instructions; 83 with Extended Instruction Set enabled
Packages	80-pin TQFP	80-pin TQFP	80-pin TQFP	80-pin TQFP