Not Acceptable												
Absolute Minimum Required												
Acceptable												
Enough for Good Operation												
Clock Frequency [MHz]	8-	20+	40+	200+								
Amount of Program Flash [KBytes]	10-	128+	1024+	2048+								
Amount of RAM [KBytes]	2.87-	16+	32+	512+								
Timers	1-	2	3	4								
UART Controllers	0	1	2	3								
SPI Controllers	0	1	2	3								
DMA Channels	0	1	2	3								
ADC Modules	0	1	1	1								
Pins	144+	100+	64+	44+								
MCU Programming Expertise	Low	Medium	Good	Complete								
ASM Programming Expertise	Low	Medium	Good	Complete								
IDE/Toolchain Usage Expertise	Low	Medium	Good	Complete								
	Clock Freq.	Program Flash	RAM	Timers	UART	SPI	DMA	ADC	Pins	MCU Programming Expertise	ASM Programming Expertise	IDE/Toolchain Usage Expertise
Microchip PIC16F84A	20	14	68 bytes	1	(	)	0	0	0	18 Complete	Complete	Complete
Microchip PIC16F877A	20	109	2,87	3	•		1	0	1	40 Complete	Complete	Complete
Microchip PIC32MX250F128D (MIPS32 4K)	40	128	32	5	2	2	2	2	1	44 Complete	Complete	Complete
Microchip PIC32MZ2048EFH144 (MIPS32 4K)	252	2048	512	9	6	3	6	8	1 1	44 Complete	Complete	Complete
Microchip SAM E70/S70 (ARM Cortex M7)	300	2048	384	4	3	3	2	2	2	64 Medium	Medium	Good
Renesas RX72N	240	4 MB	1 MB	15+	(	)	3	8	1 1	00 Low	Low	Low
Motivation:												
MX is easier to mount and program than MZ												