

Table 19-12. Examples of UBRRn Settings for Commonly Used Oscillator Frequencies

Baud Rate (bps)	$f_{osc} = 16.0000\text{MHz}$			
	U2Xn = 0		U2Xn = 1	
	UBRRn	Error	UBRRn	Error
2400	416	−0.1%	832	0.0%
4800	207	0.2%	416	−0.1%
9600	103	0.2%	207	0.2%
14.4k	68	0.6%	138	−0.1%
19.2k	51	0.2%	103	0.2%
28.8k	34	−0.8%	68	0.6%
38.4k	25	0.2%	51	0.2%
57.6k	16	2.1%	34	−0.8%
76.8k	12	0.2%	25	0.2%
115.2k	8	−3.5%	16	2.1%
230.4k	3	8.5%	8	−3.5%
250k	3	0.0%	7	0.0%
0.5M	1	0.0%	3	0.0%
1M	0	0.0%	1	0.0%
Max. ⁽¹⁾	1Mbps		2Mbps	

Note: 1. UBRRn = 0, error = 0.0%