

TABLE 1 SAMPLE SCALING, MULTIPLIER, AND BIT-SHIFT VALUES

Desired scaling value	Multiplier	Bit shift	Actual scaling value	Absolute error
1.5	3	-1	1.5	0
0.1428	73	-9	0.1425	0.0003
10	3	-5	0.09375	0.00625
10	102	-10	0.09961	0.00039