

	Binary	Scientific notation	Decimal
Not a Number	1 111 nonzero		
Negative infinity	1 111 0000		$-\infty$
Negative normalized	1 110 1111	-1.1111×2^3	-15.5
	1 110 1110	-1.1110×2^3	-15.0

	1 011 0001	-1.0001×2^0	-1.0625
	1 011 0000	-1.0000×2^0	-1.0
	1 010 1111	-1.1111×2^{-1}	-0.96875

	1 001 0001	-1.0001×2^{-2}	-0.265625
	1 001 0000	-1.0000×2^{-2}	-0.25
Negative denormalized	1 000 1111	-0.1111×2^{-2}	-0.234375
	1 000 1110	-0.1110×2^{-2}	-0.21875

	1 000 0010	-0.0010×2^{-2}	-0.03125
	1 000 0001	-0.0001×2^{-2}	-0.015625
Negative zero	1 000 0000		-0.0
Positive zero	0 000 0000		+0.0
Positive denormalized	0 000 0001	0.0001×2^{-2}	0.015625
	0 000 0010	0.0010×2^{-2}	0.03125

	0 000 1110	0.1110×2^{-2}	0.21875
	0 000 1111	0.1111×2^{-2}	0.234375
Positive normalized	0 001 0000	1.0000×2^{-2}	0.25
	0 001 0001	1.0001×2^{-2}	0.265625

	0 010 1111	1.1111×2^{-1}	0.96875
	0 011 0000	1.0000×2^0	1.0
	0 011 0001	1.0001×2^0	1.0625

	0 110 1110	1.1110×2^3	15.0
	0 110 1111	1.1111×2^3	15.5
Positive infinity	0 111 0000		$+\infty$
Not a Number	0 111 nonzero		