Table 6.2 Verilog operators.

Operator type	Operator symbols	Operation performed	Number of operands
Bitwise	~	1's complement	1
	&	Bitwise AND	2
	|	Bitwise OR	2
	^	Bitwise XOR	2
	~^ or ^~	Bitwise XNOR	2
Logical	!	NOT	1
	&&	AND	2
	||	OR	2
Reduction	&	Reduction AND	1
	~&	Reduction NAND	1
	|	Reduction OR	1
	~|	Reduction NOR	1
	^	Reduction XOR	1
	~^ or ^~	Reduction XNOR	1
Arithmetic	+	Addition	2
	-	Subtraction	2
	-	2's complement	1
	*	Multiplication	2
	/	Division	2
Relational	>	Greater than	2
	<	Less than	2
	>=	Greater than or equal to	2
	<=	Less than or equal to	2
Equality	==	Logical equality	2
	!=	Logical inequality	2
Shift	>>	Right shift	2
	<<	Left shift	2
Concatenation	{,}	Concatenation	Any number
Replication	{{}}	Replication	Any number
Conditional	?:	Conditional	3