

Microsemi Step Down Switchers

XILINX FPGAs	Output Voltage	Input Voltage	Output Current						>10A	>20A
			≤1A	≤2A	≤3A	≤5A	≤10A			
Virtex®-7/6 Kintex™-7 Artix™-7	0.9V	2.8V to 5.5V	NX4108 NX4110 LX7172 LX7186A(2.5V) LX7188 LX8240 (LDO, 4.2V max) NX2124/A*	LX7104(4.5V) LX7172(1.2A/2.5V) LX7167A(3V) NX2124/A*	LX7167A(2.4A/3V) LX7169(3V) LX7175(3V) LX7176(3V) LX7176A(4A/3V) LX7180A(4A/3V) NX2124/A*	NX9548(4.5V) LX7165-01(3V) LX7178(3V) LX7175 (3.5A/3V) LX7176A (4A/3V) LX7180A (4A/3V) NX2124/A*	NX9548(4.5V) NX2124/A*	NX2124/A*	NX2124/A*	
		4.5V to 18V	NX9415(8V) NX2124/A* NX2838(8V)	NX9415(8V) LX7104 NX2124/A* NX2838(8V)	NX9415(8V) NX2124/A* NX2838(8V)	NX9415(8V) NX9548 NX2124/A* NX2838(8V)	NX9548* LX9610* (8V, 12A) LX1752 LX1675 NX2139* NX2147* NX2155H*(8V) NX2838(8V)	LX9610*(8V, 12A) LX1675 NX2124/A* NX2139* NX2147* NX2155H*(8V)	NX2124/A* NX2155H(8V) NX2423 LX7302(5V)	
		2V to 24V				NX2838*	NX2838* LX1675	LX1675 NX2124/A*	NX2124/A* LX7302(5V)	
Virtex®-7/6/5 Kintex™-7 Artix™-7 Spartan®-6	1.0V	2.8V to 5.5V	NX4108 NX4110 LX7172 LX7186A(2.5V) LX7188 LX8240 (LDO, 4.2V max) NX2124/A*	LX7104(4.5V) LX7172(1.2A/2.5V) LX7167A(3V) NX2124/A*	LX7167A(2.4A/3V) LX7169(3V) LX7175(3V) LX7176(3V) LX7176A(4A/3V) LX7180A(4A/3V) NX2124/A*	NX9548(4.5V) LX7165-01(3V) LX7178(3V) LX7175 (3.5A/3V) LX7176A (4A/3V) LX7180A (4A/3V) NX2124/A*	NX9548(4.5V) NX2124/A*	NX2124/A*	NX2124/A*	
		4.5V to 18V	NX9415(8V) NX2124/A* NX2838(8V)	NX9415(8V) LX7104 NX2124/A* NX2838(8V)	NX9415(8V) NX2124/A* NX2838(8V)	NX9415(8V) NX9548 NX2124/A* NX2838(8V)	NX9548* LX9610* (8V, 12A) LX1752 LX1675 NX2139* NX2147* NX2155H*(8V) NX2838(8V)	LX9610*(8V, 12A) LX1675 NX2124/A* NX2139* NX2147* NX2155H*(8V)	NX2124/A* NX2155H(8V) NX2423 LX7302(5V)	
		2V to 24V				NX2838*	NX2838* LX1675	LX1675 NX2124/A*	NX2124/A* LX7302(5V)	

NOTE: Regulators, Controllers, Power Module, (x.xV) = Minimum input voltage x.xV, **Maximum input voltage can be higher than the boundary listed

Microsemi Step Down Switchers (continued)

XILINX FPGAs	Output Voltage	Input Voltage	Output Current						
			≤1A	≤2A	≤3A	≤5A	≤7A	>10A	>20A
Spartan®-6/3	1.2V	2.8V to 5.5V	NX4108-12 NX4110 LX7172 LX7186A(2.5V) LX7188 LX8240 (LDO, 4.2V max) NX2124/A*	LX7104(4.5V) LX7172(1.2A/2.5V) LX7167A(3V) NX2124/A*	LX7167A(2.4A/3V) LX7169(3V) LX7175(3V) LX7176(3V) LX7176A(4A/3V) LX7180A(4A/3V) NX2124/A*	NX9548(4.5V) LX7165-01(3V) LX7178(3V) LX7175(3.5A/3V) LX7176A(4A/3V) LX7180A(4A/3V) NX2124/A*	NX9548(4.5V) NX2124/A*	NX2124/A*	NX2124/A*
		4.5V to 18V	NX9415(8V) NX2124/A* NX2838(8V)	NX9415(8V) LX7104 NX2124/A* NX2838(8V)	NX9415(8V) NX2124/A* NX2838(8V)	NX9415(8V) NX9548 NX2124/A* NX2838(8V)	NX9548* LX9610* (8V, 12A) LX1752 LX1675 NX2139* NX2147* NX2155H*(8V) NX2838(8V)	LX9610* (8V, 12A) LX1675 NX2124/A* NX2139* NX2147* NX2155H*(8V)	NX2124/A* NX2155H(8V) NX2423 LX7302(5V)
		2V to 24V				NX2838*	NX2838* LX1675	LX1675 NX2124/A*	NX2124/A* LX7302(5V)
CoolRunner™-II	1.8V	2.8V to 5.5V	NX4108-18 NX4110 LX7172 LX7186A(2.5V) LX7188 LX8240 (LDO, 4.2V max) NX2124/A*	LX7104(4.5V) LX7172(1.2A/2.5V) LX7167A(3V) NX2124/A*	LX7167A(2.4A/3V) LX7169(3V) LX7175(3V) LX7176(3V) LX7176A(4A/3V) LX7180A(4A/3V) NX2124/A*	NX9548(4.5V) LX7165-01(3V) LX7178(3V) LX7175(3.5A/3V) LX7176A(4A/3V) LX7180A(4A/3V) NX2124/A*	NX9548(4.5V) NX2124/A*	NX2124/A*	NX2124/A*
		4.5V to 18V	NX9415(8V) NX2124/A* NX2838(8V)	NX9415(8V) LX7104 NX2124/A* NX2838(8V)	NX9415(8V) NX2124/A* NX2838(8V)	NX9415(8V) NX9548 NX2124/A* NX2838(8V)	NX9548* LX9610* (8V, 12A) LX1752 LX1675 NX2139* NX2147* NX2155H*(8V) NX2838(8V)	LX9610* (8V, 12A) LX1675 NX2124/A* NX2139* NX2147* NX2155H*(8V)	NX2124/A* NX2155H(8V) NX2423 LX7302(5V)
		2V to 24V				NX2838*	NX2838* LX1675	LX1675 NX2124/A*	NX2124/A* LX7302(5V)

NOTE: Regulators, Controllers, Power Module, (x.xV) = Minimum input voltage x.xV, **Maximum input voltage can be higher than the boundary listed