



Microsemi FPGAs and cSoCs		Microsemi Switching and Linear DC-DC Regulators and Controllers							
CORE	IO	Output Voltage	Input Supply Rail	Output Current					
				<500 mA	≤1 A	≤2 A	≤3 A	≤5A	>5A
SmartFusion2 IGLOO 2 ProASIC3L	SmartFusion2 IGLOO 2 ProASIC3L	1.2V	2.8V to 5.5V	LX8213-12(L) LX8211-00(L)	NX4108-12 NX4108 NX4110 LX7172 LX7186A(2.5V) LX7188 LX8240(L) NX2124/A	LX7104(4.5V) LX7172(1.2A/2.5V) LX7167(3V) NX7101 (4.75V) NX2124/A	NX7102(4.75V) LX7157B(3V) LX7167A (2.4A/3V) LX7169(3V) LX7175 (3V) LX7176(3V) NX2124/A	NX9548(4.5V) LX7165(3V) LX7165-xy(3V) LX7178(3V) LX7175(3V) LX7176A(4A/3V) LX7180A(4A/3V) NX2124/A	NX9548(4.5V) NX2124/A
			5V to 18V		NX9415(8V) NX2124/A NX2838(.8A/8V)	NX7101(4.75V) NX9415(8V) LX7104(4.5V) LX7167(3V) LX7172 NX2124/A NX2838(8V)	NX7102 NX9415(8V) NX2124/A NX2838(8V)	NX9415 (8V) NX2124/A NX2837 (5A/9V) NX2838 (8V)	NX9548(4.5V) NX2124/A NX2138(4.5V) NX2139(4.5V) NX2147(4.5V) NX2155H(8V) NX2423(4.5V) NX2837(9V) NX2838(8V) LX9610(8V) LX1675(4.5V) LX1752(4.5V) LX7302
			12V to 22V		NX2124/A NX2838(.8A/8V)	NX2124/A NX2838(.8A/8V)	NX2124/A NX2838 (.8A/8V)	NX9415 NX9548(4.5V) NX2124/A NX2155H(8V) NX2837(5A/9V) NX2838*(8V) LX1675	NX9548(4.5V) NX2124/A NX2138(4.5V) NX2139(4.5V) NX2147(4.5V) NX2155H(8V) NX2423(4.5V) NX2837(9V) NX2838*(8V) LX9610(8V) LX1675 LX1752(4.5V) LX7302(5V)
IGLOO ProASIC3 SmartFusion Fusion Axcelerator	SmartFusion2 IGLOO ProASIC3 SmartFusion Fusion Axcelerator	1.5V	2.8V to 5.5V	LX8213-00(L) LX8211-00(L)	NX4108-15 NX4108 NX4110 LX7172 LX7186A(2.5V) LX7188 LX8240(L) NX2124/A	LX7104(4.5V) LX7172(1.2A/2.5V) LX7167(3V) NX7101(4.75V) NX2124/A	NX7102 (4.75V) LX7157B(3V) LX7167A (2.4A/3V) LX7169(3V) LX7175(3V) LX7176(3V) NX2124/A	NX9548(4.5V) LX7165(3V) LX7165-xy(3V) LX7178(3V) LX7175(3V) LX7176A(4A/3V) LX7180A(4A/3V) NX2124/A	NX9548(4.5V) NX2124/A
			5V to 18V		NX9415(8V) NX2124/A NX2838(.8A/8V)	NX7101(4.75V) NX9415(8V) LX7104(4.5V) LX7167(3V) LX7172 NX2124/A NX2838(8V)	NX7102 NX9415(8V) NX2124/A NX2838(8V)	NX9415(8V) NX2124/A NX2837(5A/9V) NX2838(8V)	NX9548(4.5V) NX2124/A NX2138(4.5V) NX2139(4.5V) NX2147(4.5V) NX2155H(8V) NX2423(4.5V) NX2837(9V) NX2838(8V) LX9610(8V) LX1675(4.5V) LX1752(4.5V) LX7302
			12 to 22V		NX2124/A NX2838(.8A/8V)	NX2124/A NX2838(.8A/8V)	NX2124/A NX2838 (.8A/8V)	NX9415 NX9548(4.5V) NX2124/A NX2155H(8V) NX2837(5A/9V) NX2838*(8V) LX1675	NX9548(4.5V) NX2124/A NX2138(4.5V) NX2139(4.5V) NX2147(4.5V) NX2155H(8V) NX2423(4.5V) NX2837(9V) NX2838*(8V) LX9610(8V) LX1675 LX1752(4.5V) LX7302(5V)

NOTE: (L) = Linear, (x.xV) = Minimum input voltage x.xV, LX7302 is rated for 26V_{IN}, NX2838 is rated for 30V_{IN}, Regulators, Controllers, Power Module.

Analog Mixed Signal Group

Microsemi FPGAs and cSoCs		Microsemi Switching and Linear DC-DC Regulators and Controllers							
CORE	IO	Output Voltage	Input Supply Rail	Output Current					
				<500 mA	≤1 A	≤2 A	≤3 A	≤5A	>5A
	SmartFusion2 IGLOO 2 ProASIC3 SmartFusion Fusion Axcelerator	1.8V	2.8V to 5.5V	LX8213-00(L) LX8211-00(L)	NX4108-18 NX4108 NX4110 LX7172 LX7186A(2.5V) LX7167(3V) NX7101(4.75V) LX7188 LX8240(L) NX2124/A	LX7104(4.5V) LX7172(1.2A/2.5V) LX7167A LX7167(3V) NX7101(4.75V) NX2124/A	NX7102(4.75V) LX7157B(3V) LX7167A (2.4A/3V) LX7169(3V) LX7175(3V) LX7176(3V) NX2124/A	NX9548(4.5V) LX7165(3V) LX7165-xy(3V) LX7178(3V) LX7175(3V) LX7176A(4A/3V) LX7180A(4A/3V) NX2124/A	NX9548(4.5V) NX2124/A
			5V to 18V		NX9415(8V) NX2124/A NX2838(.8A/8V)	NX7101(4.75V) NX9415(8V) LX7104(4.5V) LX7167(3V) LX7172 NX2124/A NX2838(8V)	NX7102 NX9415(8V) NX2124/A NX2838(8V)	NX9415(8V) NX2124/A NX2837(5A/9V) NX2838(8V)	NX9548(4.5V) NX2124/A NX2138(4.5V) NX2139(4.5V) NX2147(4.5V) NX2155H(8V) NX2423(4.5V) NX2837(9V) NX2838(8V) LX9610(8V) LX1675(4.5V) LX1752(4.5V) LX7302
			12 to 22V		NX2124/A NX2838(.8A/8V)	NX2124/A NX2838(.8A/8V)	NX2124/A NX2838 (.8A/8V)	NX9415 NX9548(4.5V) NX2124/A NX2155H(8V) NX2837(5A/9V) NX2838*(8V) LX1675	NX9548(4.5V) NX2124/A NX2138(4.5V) NX2139(4.5V) NX2147(4.5V) NX2155H(8V) NX2423(4.5V) NX2837(9V) NX2838*(8V) LX9610(8V) LX1675 LX1752(4.5V) LX7302(5V)
SX-A eX	SmartFusion2 IGLOO 2 ProASIC3 SmartFusion Fusion Axcelerator SX-A eX	2.5V	2.8V to 5.5V	LX8213-00(L) LX8211-25(L)	NX4108 NX4110 LX7172 LX7186A(2.5V) LX7167(3V) NX7101(4.75V) LX7188 LX8240(L) NX2124/A	LX7104(4.5V) LX7172(1.2A/2.5V) LX7167A LX7167(3V) NX7101(4.75V) NX2124/A	NX7102(4.75V) LX7157B(3V) LX7167A (2.4A/3V) LX7169(3V) LX7175(3V) LX7176(3V) NX2124/A	NX9548(4.5V) LX7165(3V) LX7165-xy(3V) LX7178(3V) LX7175(3V) LX7176A(4A/3V) LX7180A(4A/3V) NX2124/A	NX9548(4.5V) NX2124/A
			5V to 18V		NX9415(8V) NX2124/A NX2838(.8A/8V)	NX7101(4.75V) NX9415(8V) LX7104(4.5V) LX7167(3V) LX7172 NX2124/A NX2838(8V)	NX7102 NX9415(8V) NX2124/A NX2838(8V)	NX9415(8V) NX2124/A NX2837(5A/9V) NX2838(8V)	NX9548(4.5V) NX2124/A NX2138(4.5V) NX2139(4.5V) NX2147(4.5V) NX2155H(8V) NX2423(4.5V) NX2837(9V) NX2838(8V) LX9610(8V) LX1675(4.5V) LX1752(4.5V) LX7302
			12 to 22V		NX2124/A NX2838(.8A/8V)	NX2124/A NX2838(.8A/8V)	NX2124/A NX2838 (.8A/8V)	NX9415 NX9548(4.5V) NX2124/A NX2155H(8V) NX2837(5A/9V) NX2838*(8V) LX1675	NX9548(4.5V) NX2124/A NX2138(4.5V) NX2139(4.5V) NX2147(4.5V) NX2155H(8V) NX2423(4.5V) NX2837(9V) NX2838*(8V) LX9610(8V) LX1675 LX1752(4.5V) LX7302(5V)

NOTE: (L) = Linear, (x.xV) = Minimum input voltage x.xV, LX7302 is rated for 26V_{IN}, NX2838 is rated for 30V_{IN}, Regulators, Controllers, Power Module.



Microsemi FPGAs and cSoCs		Microsemi Switching and Linear DC-DC Regulators and Controllers							
CORE	IO	Output Voltage	Input Supply Rail	Output Current					
				<500 mA	≤1 A	≤2 A	≤3 A	≤5A	>5A
MX	SmartFusion2 IGLOO 2 ProASIC3 SmartFusion Fusion Axcelerator SX-A eX MX	3.3V	2.8V to 5.5V	LX8213-33(L) LX8211-33(L)	NX4108-33 NX4108 NX4110 LX7172 LX7186A(2.5V) LX7188 LX8240(L) NX2124/A	LX7104(4.5V) LX7172(1.2A/2.5V) LX7167(3V) NX7101 4.75V NX2124/A	NX7102(4.75V) LX7157B(3V) LX7167A (2.4A/3V) LX7169(3V) LX7175(3V) LX7176(3V) NX2124/A	NX9548(4.5V) LX7165(3V) LX7165-xy(3V) LX7178(3V) LX7175(3V) LX7176A(4A/3V) LX7180A(4A/3V) NX2124/A	NX9548(4.5V) NX2124/A
			5V to 18V		LX13043(L) (4.5V-10V) NX9415 (8V) NX2124/A NX2838(.8A/8V)	NX7101(4.75V) NX9415 (8V) LX7104(4.5V) LX7167(3V) LX7172 NX2124/A NX2838(8V)	NX7102 NX9415 (8V) NX2124/A NX2838(8V)	NX9415(8V) NX2124/A NX2837(5A/9V) NX2838(8V)	NX9548(4.5V) NX2124/A NX2138(4.5V) NX2139(4.5V) NX2147(4.5V) NX2155H(8V) NX2423(4.5V) NX2837(9V) NX2838(8V) LX9610(8V) LX1675(4.5V) LX1752(4.5V) LX7302
			12 to 22V		NX2124/A NX2838(.8A/8V)	NX2124/A NX2838(.8A/8V)	NX2124/A NX2838 (.8A/8V)	NX9415 NX9548(4.5V) NX2124/A NX2155H(8V) NX2837(5A/9V) NX2838*(8V) LX1675	NX9548(4.5V) NX2124/A NX2138(4.5V) NX2139(4.5V) NX2147(4.5V) NX2155H(8V) NX2423(4.5V) NX2837(9V) NX2838*(8V) LX9610(8V) LX1675 LX1752(4.5V) LX7302(5V)
	SX-A eX MX	5V	5V to 18V		NX9415 (8V) NX2124/A NX2838(.8A/8V)	NX7101(4.75V) NX9415(8V) LX7104(4.5V) LX7167(3V) LX7172 NX2124/A NX2838(8V)	NX7102 NX9415(8V) NX2124/A NX2838(8V)	NX9415(8V) NX2124/A NX2837(5A/9V) NX2838(8V)	NX9548(4.5V) NX2124/A NX2138(4.5V) NX2139(4.5V) NX2147(4.5V) NX2155H(8V) NX2423(4.5V) NX2837(9V) NX2838(8V) LX9610(8V) LX1675 (4.5V) LX1752(4.5V) LX7302
			12 to 22V		NX2124/A NX2838(.8A/8V)	NX2124/A NX2838(.8A/8V)	NX2124/A NX2838 (.8A/8V)	NX9415 NX9548(4.5V) NX2124/A NX2155H(8V) NX2837(5A/9V) NX2838*(8V) LX1675	NX9548(4.5V) NX2124/A NX2138(4.5V) NX2139(4.5V) NX2147(4.5V) NX2155H(8V) NX2423(4.5V) NX2837(9V) NX2838*(8V) LX9610(8V) LX1675 LX1752(4.5V) LX7302(5V)

NOTE: (L) = Linear, (x.xV) = Minimum input voltage x.xV, LX7302 is rated for 26V_{IN}, NX2838 is rated for 30V_{IN}, Regulators, Controllers, Power Module.