



PRODUCT SELECTION GUIDE

WIRE LINE CLOCK and TIMING SOLUTIONS

rev 2.1

Multigig Part Number	Output Voltage	Input	Input Freq	# of Outputs	Output Type	Output Freq	Package	Device Category	Applications
LVC MOS									
<u>MQC840001</u>	3.3	XTAL	26.5625	1	LVC MOS	106.25, 212.5	8 TSSOP	LVC MOS SYNTHESIZER	FC
<u>MQC840002-01A</u>	3.3	XTAL	25	2	LVC MOS	62.5,125,156.25	16TSSOP	LVC MOS SYNTHESIZER	GBE,sRIO
<u>MQC840004-11</u>	3.3 or 2.5	XTAL	25	4	LVC MOS	125,62.5	20 TSSOP	LVC MOS SYNTHESIZER	10GBE,XAU1,sRIO
<u>MQC840021</u>	3.3	XTAL	25	1	LVC MOS	125	8 TSSOP	LVC MOS SYNTHESIZER	10GBE,GBE
<u>MQC840051A</u>	3.3	XTAL	20.141601, 19.53125,19.44	1	LVC MOS	77.6-81.2,155.2-162.4	8 TSSOP	LVC MOS SYNTHESIZER	FC,SONET/SDH
<u>MQC140100</u>	3.3	CLK	1MHz - 250MHz	4	LVC MOS	1MHz - 250MHz	16 SOIC,SSOP	NZDB 1:4	ALL
<u>MQC160100</u>	3.3	CLK	1MHz - 250MHz	6	LVC MOS	1MHz - 250MHz	16 SOIC,SSOP	NZDB 1:6	ALL
<u>MQC180100</u>	3.3	CLK	1MHz - 250MHz	8	LVC MOS	1MHz - 250MHz	20 SOIC,SSOP	NZDB 1:8	ALL
<u>MQC1A0100</u>	3.3 or 2.5	CLK	1MHz - 250MHz	10	LVC MOS	1MHz - 250MHz	20 SOIC,SSOP	NZDB 1:10	ALL
<u>MQC1A0110</u>	3.3 or 2.5	3.3	1MHz - 400MHz	10	LVC MOS	1MHz - 400MHz	20 SOIC,SSOP	NZDB 1:10	ALL



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LVDS									
<u>MQC844001</u>	3.3 or 2.5	XTAL	26.5625	1	LVDS	106.25	8 TSSOP	LVDS Synthesizer PHY	FC
<u>MQC844001-125</u>	3.3 or 2.5	XTAL	25	1	LVDS	125	8 TSSOP	LVDS Synthesizer PHY	10GBE
<u>MQC844001-155</u>	3.3 or 2.5	XTAL	38.88	1	LVDS	155.52	8 TSSOP	LVDS Synthesizer PHY	SONET/SDH
<u>MQC844001-156</u>	3.3 or 2.5	XTAL	25	1	LVDS	156.25	8 TSSOP	LVDS Synthesizer PHY	10GBE,GBE
<u>MQC844001-187</u>	3.3 or 2.5	XTAL	25	1	LVDS	187.5	8 TSSOP	LVDS Synthesizer PHY	12GBE
<u>MQC844001-187A</u>	3.3 or 2.5	XTAL	23.4375	1	LVDS	187.5	8 TSSOP	LVDS Synthesizer PHY	12GBE
<u>MQC844021-01</u>	3.3 or 2.5	XTAL	25	1	LVDS	125	8 TSSOP	LVDS Synthesizer PHY	10GBE
<u>MQC844021-155</u>	3.3 or 2.5	XTAL	38.88	1	LVDS	155.52	8 TSSOP	LVDS Synthesizer PHY	SONET/SDH
<u>MQC844021-156</u>	3.3 or 2.5	XTAL	25	1	LVDS	156.25	8 TSSOP	LVDS Synthesizer PHY	10GBE,GBE
<u>MQC844021-212</u>	3.3 or 2.5	XTAL	26.5625	1	LVDS	212.5	8 TSSOP	LVDS Synthesizer PHY	FC



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LVDS									
<u>MQC844021-187</u>	3.3 or 2.5	XTAL	25	1	LVDS	187.5	8 TSSOP	LVDS Synthesizer PHY	12GBE
<u>MQC844021-187A</u>	3.3 or 2.5	XTAL	23.4375	1	LVDS	187.5	8 TSSOP	LVDS Synthesizer PHY	12GBE



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LVPECL									
<u>MQC9229</u>	3.3	XTAL/REF	10-20	1	LVPECL	25-400	32 TQFP	LVPECL Synthesizer MEMORY (DDR_QDR)	SDR/QDR Mem Buffer
<u>MQC9230</u>	3.5	XTAL/REF	10-20	1	LVPECL	50-800	32 TQFP	LVPECL Synthesizer MEMORY (DDR_QDR)	SDR/QDR Mem Buffer
<u>MQC213040</u>	2.5	XTAL	40	2	LVPECL	50,100,106.25	16 QFN	LVPECL Synthesizer PHY	SAS, FC
<u>MQC843011</u>	3.3	XTAL	26.5625	1	LVPECL	100,106.25	8 TSSOP	LVPECL Synthesizer PHY	FC,SATA
<u>MQC843021</u>	3.3	XTAL	25	1	LVPECL	125	8 TSSOP	LVPECL Synthesizer PHY	10GBE,GBE
<u>MQC843022</u>	3.3	XTAL	25	1	LVPECL	62.5,125	8 TSSOP	LVPECL Synthesizer PHY	10GBE,GBE
<u>MQC213300</u>	3.3	XTAL	25	1	LVPECL	312.5	8 TSSOP	LVPECL Synthesizer PHY	10GBE
<u>MQC843001</u>	3.3	XTAL	26.5625	1	LVPECL	106.25,212.5	8 TSSOP	LVPECL Synthesizer PHY	SAS, FC
<u>MQC843001-155</u>	3.3	XTAL	38.88	1	LVPECL	77.76,155.52	8 TSSOP	LVPECL Synthesizer PHY	SONET/SDH
<u>MQC843001-156</u>	3.3	XTAL	25	1	LVPECL	62.5,125	8 TSSOP	LVPECL Synthesizer PHY	10GBE,GBE



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LVPECL									
<u>MQC843001-187</u>	3.3	XTAL	25	1	LVPECL	93.75,187.5	8 TSSOP	LVPECL Synthesizer PHY	10GBE,GBE
<u>MQC843001-187A</u>	3.3	XTAL	23.4375	1	LVPECL	93.75,187.5	8 TSSOP	LVPECL Synthesizer PHY	10GBE,GBE



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Mixed Outputs (LVPECL, LVDS)									
<u>MQC249125</u>	3.3	XTAL	25	2+2	LVPECL, LVDS	62.5,125	16 QFN	LVPECL Synthesizer PHY	10GBE,GBE
<u>MQC249106</u>	3.3	XTAL	26.5625	2+2	LVPECL, LVDS	106.25,212.5	16 QFN	LVPECL Synthesizer PHY	FC
<u>MQC249156</u>	3.3	XTAL	25	2+2	LVPECL, LVDS	78.125,156.25	16 QFN	LVPECL Synthesizer PHY	SONET/SDH
<u>MQC249187</u>	3.3	XTAL	25	2+2	LVPECL, LVDS	93.75,187.5	16 QFN	LVPECL Synthesizer PHY	12GBE,FC
<u>MQC249187A</u>	3.3	XTAL	23.4375	2+2	LVPECL, LVDS	93.75,187.5	16 QFN	LVPECL Synthesizer PHY	12GBE,FC