



CLEAR LOGIC

Availability Guide

Marketing PN	Family	Package	Speed	AVAILABILITY		Altera Part Number
				ES	Prod'n	
CL7096LC68-10	CL7096	PLCC-68	10 ns	CALL	CALL	EPM7096LC68-10
CL7096LC68-12	CL7096	PLCC-68	12 ns	CALL	CALL	EPM7096LC68-12
CL7096LC68-15	CL7096	PLCC-68	15 ns	CALL	CALL	EPM7096LC68-15
CL7096LC68-7	CL7096	PLCC-68	7.5 ns	CALL	CALL	EPM7096LC68-7
CL7096LC84-10	CL7096	PLCC-84	10 ns	CALL	CALL	EPM7096LC84-10
CL7096LC84-12	CL7096	PLCC-84	12 ns	CALL	CALL	EPM7096LC84-12
CL7096LC84-15	CL7096	PLCC-84	15 ns	CALL	CALL	EPM7096LC84-15
CL7096LC84-7	CL7096	PLCC-84	7.5 ns	CALL	CALL	EPM7096LC84-7
CL7096LI68-15	CL7096	PLCC-84	15 ns	CALL	CALL	EPM7096LI68-15
CL7096LI84-15	CL7096	PLCC-84	15 ns	CALL	CALL	EPM7096LI84-15
CL7096QC100-10	CL7096	PQFP-100	10 ns	CALL	CALL	EPM7096QC100-10
CL7096QC100-12	CL7096	PQFP-100	12 ns	CALL	CALL	EPM7096QC100-12
CL7096QC100-15	CL7096	PQFP-100	15 ns	CALL	CALL	EPM7096QC100-15
CL7096QC100-7	CL7096	PQFP-100	7.5 ns	CALL	CALL	EPM7096QC100-7
CL7096QI100-15	CL7096	PQFP-100	15 ns	CALL	CALL	EPM7096QI100-15
CL7128ALC84-10	CL7128A	PLCC-84	10 ns	Q3 1999	Q4 1999	EPM7128ALC84-10
CL7128ALC84-7	CL7128A	PLCC-84	7.5 ns	Q3 1999	Q4 1999	EPM7128ALC84-7
CL7128ATC100-10	CL7128A	TQFP-100	10 ns	Q3 1999	Q4 1999	EPM7128ATC100-10
CL7128ATC100-7	CL7128A	TQFP-100	7.5 ns	Q3 1999	Q4 1999	EPM7128ATC100-7
CL7128ATC144-10	CL7128A	TQFP-144	10 ns	Q3 1999	Q4 1999	EPM7128ATC144-10
CL7128ATC144-7	CL7128A	TQFP-144	7.5 ns	Q3 1999	Q4 1999	EPM7128ATC144-7
CL7128ELC84-10	CL7128E	PLCC-84	10 ns	DEC-98	FEB-99	EPM7128ELC84-10
CL7128ELC84-12	CL7128E	PLCC-84	12 ns	DEC-98	FEB-99	EPM7128ELC84-12
CL7128ELC84-15	CL7128E	PLCC-84	15 ns	DEC-98	FEB-99	EPM7128ELC84-15
CL7128ELC84-20	CL7128E	PLCC-84	20 ns	DEC-98	FEB-99	EPM7128ELC84-20
CL7128ELC84-7	CL7128E	PLCC-84	7.5 ns	Q1 1999	Q1 1999	EPM7128ELC84-7
CL7128ELI84-20	CL7128E	PLCC-84	20 ns	DEC-98	MAR-99	EPM7128ELI84-20
CL7128EQC100-10	CL7128E	PQFP-100	10 ns	DEC-98	FEB-99	EPM7128EQC100-10
CL7128EQC100-10P	CL7128E	PQFP-100	10 ns	DEC-98	FEB-99	EPM7128EQC100-10P
CL7128EQC100-12	CL7128E	PQFP-100	12 ns	DEC-98	FEB-99	EPM7128EQC100-12
CL7128EQC100-15	CL7128E	PQFP-100	15 ns	DEC-98	FEB-99	EPM7128EQC100-15
CL7128EQC100-20	CL7128E	PQFP-100	20 ns	DEC-98	FEB-99	EPM7128EQC100-20
CL7128EQC100-7	CL7128E	PQFP-100	7.5 ns	Q1 1999	Q1 1999	EPM7128EQC100-7
CL7128EQC160-10	CL7128E	PQFP-160	10 ns	DEC-98	FEB-99	EPM7128EQC160-10
CL7128EQC160-12	CL7128E	PQFP-160	12 ns	DEC-98	FEB-99	EPM7128EQC160-12
CL7128EQC160-15	CL7128E	PQFP-160	15 ns	DEC-98	FEB-99	EPM7128EQC160-15

<p>ES: Parts are shippable, but have not yet been qualified Prod'n: Qualified and released to manufacturing</p>
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Marketing PN	Family	Package	Speed	AVAILABILITY		Altera Part Number
				ES	Prod'n	
CL7128EQC160-20	CL7128E	PQFP-160	20 ns	DEC-98	FEB-99	EPM7128EQC160-20
CL7128EQC160-7	CL7128E	PQFP-160	7.5 ns	Q1 1999	Q1 1999	EPM7128EQC160-7
CL7128EQI100-15	CL7128E	PQFP-100	15 ns	DEC-98	MAR-99	EPM7128EQI100-15
CL7128EQI100-20	CL7128E	PQFP-100	20 ns	DEC-98	MAR-99	EPM7128EQI100-20
CL7128SLC84-10	CL7128S	PLCC-84	10 ns	DEC-98	FEB-99	EPM7128SLC84-10
CL7128SLC84-15	CL7128S	PLCC-84	15 ns	DEC-98	FEB-99	EPM7128SLC84-15
CL7128SLC84-6	CL7128S	PLCC-84	6 ns	Q1 1999	Q1 1999	EPM7128SLC84-6
CL7128SLC84-7	CL7128S	PLCC-84	7.5 ns	Q1 1999	Q1 1999	EPM7128SLC84-7
CL7128SLI84-10	CL7128S	PLCC-84	10 ns	DEC-99	MAR-99	EPM7128SLI84-10
CL7128SQC100-10	CL7128S	PQFP-100	10 ns	DEC-98	FEB-99	EPM7128SQC100-10
CL7128SQC100-15	CL7128S	PQFP-100	15 ns	DEC-98	FEB-99	EPM7128SQC100-15
CL7128SQC100-6	CL7128S	PQFP-100	6 ns	Q1 1999	Q1 1999	EPM7128SQC100-6
CL7128SQC100-7	CL7128S	PQFP-100	7.5 ns	Q1 1999	Q1 1999	EPM7128SQC100-7
CL7128SQC160-10	CL7128S	PQFP-160	10 ns	DEC-98	FEB-99	EPM7128SQC160-10
CL7128SQC160-15	CL7128S	PQFP-160	15 ns	DEC-98	FEB-99	EPM7128SQC160-15
CL7128SQC160-6	CL7128S	PQFP-160	6 ns	Q1 1999	Q1 1999	EPM7128SQC160-6
CL7128SQC160-7	CL7128S	PQFP-160	7.5 ns	Q1 1999	Q1 1999	EPM7128SQC160-7
CL7128SQI100-10	CL7128S	PQFP-100	10 ns	DEC-98	MAR-99	EPM7128SQI100-10
CL7128SQI160-10	CL7128S	PQFP-160	10 ns	DEC-98	MAR-99	EPM7128SQI160-10
CL7128STC100-10	CL7128S	TQFP-100	10 ns	DEC-98	FEB-99	EPM7128STC100-10
CL7128STC100-15	CL7128S	TQFP-100	15 ns	DEC-98	FEB-99	EPM7128STC100-15
CL7128STC100-6	CL7128S	TQFP-100	6 ns	Q1 1999	Q1 1999	EPM7128STC100-6
CL7128STC100-7	CL7128S	TQFP-100	7.5 ns	Q1 1999	Q1 1999	EPM7128STC100-7
CL7128STI100-10	CL7128S	TQFP-100	10 ns	DEC-98	MAR-99	EPM7128STI100-10
CL7160ELC84-10	CL7160E	PLCC-84	10 ns	Q2 1999	Q2 1999	EPM7160ELC84-10
CL7160ELC84-12	CL7160E	PLCC-84	12 ns	Q2 1999	Q2 1999	EPM7160ELC84-12
CL7160ELC84-15	CL7160E	PLCC-84	15 ns	Q2 1999	Q2 1999	EPM7160ELC84-15
CL7160ELC84-20	CL7160E	PLCC-84	20 ns	Q2 1999	Q2 1999	EPM7160ELC84-20
CL7160ELI84-20	CL7160E	PLCC-84	20 ns	Q2 1999	Q3 1999	EPM7160ELI84-20
CL7160EQC100-10	CL7160E	PQFP-100	10 ns	Q2 1999	Q2 1999	EPM7160EQC100-10
CL7160EQC100-10P	CL7160E	PQFP-100	10 ns	Q2 1999	Q2 1999	EPM7160EQC100-10P
CL7160EQC100-12	CL7160E	PQFP-100	12 ns	Q2 1999	Q2 1999	EPM7160EQC100-12
CL7160EQC100-15	CL7160E	PQFP-100	15 ns	Q2 1999	Q2 1999	EPM7160EQC100-15
CL7160EQC100-20	CL7160E	PQFP-100	20 ns	Q2 1999	Q2 1999	EPM7160EQC100-20
CL7160EQC160-10	CL7160E	PQFP-160	10 ns	Q2 1999	Q2 1999	EPM7160EQC160-10
CL7160EQC160-10P	CL7160E	PQFP-160	10 ns	Q2 1999	Q2 1999	EPM7160EQC160-10P
CL7160EQC160-12	CL7160E	PQFP-160	12 ns	Q2 1999	Q2 1999	EPM7160EQC160-12
CL7160EQC160-15	CL7160E	PQFP-160	15 ns	Q2 1999	Q2 1999	EPM7160EQC160-15
CL7160EQC160-20	CL7160E	PQFP-160	20 ns	Q2 1999	Q2 1999	EPM7160EQC160-20
CL7160EQI100-15	CL7160E	PQFP-100	15 ns	Q2 1999	Q3 1999	EPM7160EQI100-15
CL7160EQI160-15	CL7160E	PQFP-160	15 ns	Q2 1999	Q3 1999	EPM7160EQI160-15



ES: Parts are shippable, but have not yet been qualified
Prod'n: Qualified and released to manufacturing

Marketing PN	Family	Package	Speed	AVAILABILITY		Altera Part Number
				ES	Prod'n	
CL7160SLC84-10	CL7160S	PLCC-84	10 ns	Q2 1999	Q2 1999	EPM7160SLC84-10
CL7160SLC84-7	CL7160S	PLCC-84	7.5 ns	Q2 1999	Q2 1999	EPM7160SLC84-7
CL7160SQC160-10	CL7160S	PQFP-160	10 ns	Q2 1999	Q2 1999	EPM7160SQC160-10
CL7160SQC160-7	CL7160S	PQFP-160	7.5 ns	Q2 1999	Q2 1999	EPM7160SQC160-7
CL7160STC100-10	CL7160S	TQFP-100	10 ns	Q2 1999	Q2 1999	EPM7160STC100-10
CL7160STC100-7	CL7160S	TQFP-100	7.5 ns	Q2 1999	Q2 1999	EPM7160STC100-7
CL7192EQC160-12	CL7192E	PQFP-160	12 ns	Q1 1999	Q2 1999	EPM7192EQC160-12
CL7192EQC160-12P	CL7192E	PQFP-160	12 ns	Q1 1999	Q2 1999	EPM7192EQC160-12P
CL7192EQC160-15	CL7192E	PQFP-160	15 ns	Q1 1999	Q2 1999	EPM7192EQC160-15
CL7192EQC160-20	CL7192E	PQFP-160	20 ns	Q1 1999	Q2 1999	EPM7192EQC160-20
CL7192EQI160-20	CL7192E	PQFP-160	20 ns	Q1 1999	Q2 1999	EPM7192EQI160-20
CL7192SQC160-10	CL7192S	PQFP-160	10 ns	Q1 1999	Q2 1999	EPM7192SQC160-10
CL7192SQC160-15	CL7192S	PQFP-160	15 ns	Q1 1999	Q2 1999	EPM7192SQC160-15
CL7192SQC160-7	CL7192S	PQFP-160	7.5 ns	Q1 1999	Q2 1999	EPM7192SQC160-7
CL7192SQI160-10	CL7192S	PQFP-160	10 ns	Q1 1999	Q2 1999	EPM7192SQI160-10
CL7256EQC160-12	CL7256E	PQFP-160	12 ns	Q1 1999	Q2 1999	EPM7256EQC160-12
CL7256EQC160-12P	CL7256E	PQFP-160	12 ns	Q1 1999	Q2 1999	EPM7256EQC160-12P
CL7256EQC160-15	CL7256E	PQFP-160	15 ns	Q1 1999	Q2 1999	EPM7256EQC160-15
CL7256EQC160-20	CL7256E	PQFP-160	20 ns	Q1 1999	Q2 1999	EPM7256EQC160-20
CL7256ERC208-12	CL7256E	RQFP-208	12 ns	Q1 1999	Q2 1999	EPM7256ERC208-12
CL7256ERC208-12P	CL7256E	RQFP-208	12 ns	Q1 1999	Q2 1999	EPM7256ERC208-12P
CL7256ERC208-15	CL7256E	RQFP-208	15 ns	Q1 1999	Q2 1999	EPM7256ERC208-15
CL7256ERC208-20	CL7256E	RQFP-208	20 ns	Q1 1999	Q2 1999	EPM7256ERC208-20
CL7256ERI208-20	CL7256E	RQFP-208	20 ns	Q1 1999	Q2 1999	EPM7256ERI208-20
CL7256SQC208-10	CL7256S	PQFP-208	10 ns	Q1 1999	Q2 1999	EPM7256SQC208-10
CL7256SQC208-15	CL7256S	PQFP-208	15 ns	Q1 1999	Q2 1999	EPM7256SQC208-15
CL7256SQC208-7	CL7256S	PQFP-208	7.5 ns	Q1 1999	Q2 1999	EPM7256SQC208-7
CL7256SRC208-10	CL7256S	RQFP-208	10 ns	Q1 1999	Q2 1999	EPM7256SRC208-10
CL7256SRC208-15	CL7256S	RQFP-208	15 ns	Q1 1999	Q2 1999	EPM7256SRC208-15
CL7256SRC208-7	CL7256S	RQFP-208	7.5 ns	Q1 1999	Q2 1999	EPM7256SRC208-7
CL7256SRI208-10	CL7256S	RQFP-208	10 ns	Q1 1999	Q2 1999	EPM7256SRI208-10
CL81188AQC208-2	CL81188A	PQFP-208	-2	*NOW*	OCT-98	EPF81188AQC208-2
CL81188AQC208-3	CL81188A	PQFP-208	-3	*NOW*	OCT-98	EPF81188AQC208-3
CL81188AQC208-4	CL81188A	PQFP-208	-4	*NOW*	OCT-98	EPF81188AQC208-4
CL81188AQC240-2	CL81188A	PQFP-240	-2	*NOW*	OCT-98	EPF81188AQC240-2
CL81188AQC240-3	CL81188A	PQFP-240	-3	*NOW*	OCT-98	EPF81188AQC240-3
CL81188AQC240-4	CL81188A	PQFP-240	-4	*NOW*	OCT-98	EPF81188AQC240-4
CL81188AQI208-3	CL81188A	PQFP-208	-3	NOV-98	DEC-98	EPF81188AQI208-3
CL81188AQI208-4	CL81188A	PQFP-208	-4	NOV-98	DEC-98	EPF81188AQI208-4
CL81188AQI240-4	CL81188A	PQFP-240	-4	NOV-98	DEC-98	EPF81188ARI240-4

ES: Parts are shippable, but have not yet been qualified
Prod'n: Qualified and released to manufacturing



Marketing PN	Family	Package	Speed	AVAILABILITY		Altera Part Number
				ES	Prod'n	
CL81188ARC240-2	CL81188A	PQFP-240	-2	NOV-98	JAN-99	EPF81188AQC240-2
CL81188ARC240-4	CL81188A	PQFP-240	-4	NOV-98	JAN-99	EPF81188AQC240-4
CL81500AQC240-2	CL81500A	PQFP-240	-2	CALL	CALL	EPF81500AQC240-2
CL81500AQC240-3	CL81500A	PQFP-240	-3	CALL	CALL	EPF81500AQC240-3
CL81500AQC240-4	CL81500A	PQFP-240	-4	CALL	CALL	EPF81500AQC240-4
CL81500AQC304-2	CL81500A	PQFP-304	-2	CALL	CALL	EPF81500ARC304-2
CL81500AQC304-3	CL81500A	PQFP-304	-3	CALL	CALL	EPF81500ARC304-3
CL81500AQC304-4	CL81500A	PQFP-304	-4	CALL	CALL	EPF81500ARC304-4
CL81500AQI240-3	CL81500A	PQFP-240	-3	CALL	CALL	EPF81500ARI240-3
CL8282ALC84-2	CL8282A	PLCC-84	-2	OCT-98	DEC-98	EPF8282ALC84-2
CL8282ALC84-3	CL8282A	PLCC-84	-3	OCT-98	DEC-98	EPF8282ALC84-3
CL8282ALC84-4	CL8282A	PLCC-84	-4	OCT-98	DEC-98	EPF8282ALC84-4
CL8282ALI84-4	CL8282A	PLCC-84	-4	NOV-98	DEC-98	EPF8282ALI84-4
CL8282ATC100-2	CL8282A	TQFP-100	-2	OCT-98	DEC-98	EPF8282ATC100-2
CL8282ATC100-3	CL8282A	TQFP-100	-3	OCT-98	DEC-98	EPF8282ATC100-3
CL8282ATC100-4	CL8282A	TQFP-100	-4	OCT-98	DEC-98	EPF8282ATC100-4
CL8282ATI100-3	CL8282A	TQFP-100	-3	NOV-98	DEC-98	EPF8282ATI100-3
CL8282AVLC84-2	CL8282AV	PLCC-84	-2	CALL	CALL	N/A
CL8282AVLC84-3	CL8282AV	PLCC-84	-3	CALL	CALL	N/A
CL8282AVLC84-4	CL8282AV	PLCC-84	-4	CALL	CALL	N/A
CL8282AVTC100-2	CL8282AV	TQFP-100	-2	CALL	CALL	N/A
CL8282AVTC100-3	CL8282AV	TQFP-100	-3	CALL	CALL	N/A
CL8282AVTC100-4	CL8282AV	TQFP-100	-4	CALL	CALL	EPF8282AVTC100-4
CL8452ALC84-2	CL8452A	PLCC-84	-2	*NOW*	*NOW*	EPF8452ALC84-2
CL8452ALC84-3	CL8452A	PLCC-84	-3	*NOW*	*NOW*	EPF8452ALC84-3
CL8452ALC84-4	CL8452A	PLCC-84	-4	*NOW*	*NOW*	EPF8452ALC84-4
CL8452ALI84-4	CL8452A	PLCC-84	-4	NOV-98	NOV-98	EPF8452ALI84-4
CL8452AQC160-2	CL8452A	PQFP-160	-2	*NOW*	*NOW*	EPF8452AQC160-2
CL8452AQC160-3	CL8452A	PQFP-160	-3	*NOW*	*NOW*	EPF8452AQC160-3
CL8452AQC160-4	CL8452A	PQFP-160	-4	*NOW*	*NOW*	EPF8452AQC160-4
CL8452AQI160-3	CL8452A	PQFP-160	-3	NOV-98	NOV-98	EPF8452AQI160-3
CL8452ATC100-3	CL8452A	TQFP-100	-3	*NOW*	*NOW*	EPF8452ATC100-3
CL8452ATC100-4	CL8452A	TQFP-100	-4	*NOW*	*NOW*	EPF8452ATC100-4
CL8636ALC84-3	CL8636A	PLCC-84	-3	*NOW*	*NOW*	EPF8636ALC84-3
CL8636ALC84-4	CL8636A	PLCC-84	-4	*NOW*	*NOW*	EPF8636ALC84-4
CL8636ALI84-4	CL8636A	PLCC-84	-4	NOV-98	NOV-98	EPF8636ALI84-4
CL8636AQC160-3	CL8636A	PQFP-160	-3	*NOW*	*NOW*	EPF8636AQC160-3
CL8636AQC160-4	CL8636A	PQFP-160	-4	*NOW*	*NOW*	EPF8636AQC160-4
CL8636AQC208-2	CL8636A	PQFP-208	-2	*NOW*	*NOW*	EPF8636AQC208-2
CL8636AQC208-3	CL8636A	PQFP-208	-3	*NOW*	*NOW*	EPF8636AQC208-3

ES: Parts are shippable, but have not yet been qualified
Prod'n: Qualified and released to manufacturing



Marketing PN	Family	Package	Speed	AVAILABILITY		Altera Part Number
				ES	Prod'n	
CL8636AQC208-4	CL8636A	PQFP-208	-4	*NOW*	*NOW*	EPF8636AQC208-4
CL8820ABC225-3	CL8820A	BGA-225	-3	CALL	CALL	EPF8820ABC225-3
CL8820ABC225-4	CL8820A	BGA-225	-4	CALL	CALL	EPF8820ABC225-4
CL8820AQC160-2	CL8820A	PQFP-160	-2	*NOW*	NOV-98	EPF8820AQC160-2
CL8820AQC160-3	CL8820A	PQFP-160	-3	*NOW*	NOV-98	EPF8820AQC160-3
CL8820AQC160-4	CL8820A	PQFP-160	-4	*NOW*	NOV-98	EPF8820AQC160-4
CL8820AQC208-2	CL8820A	PQFP-208	-2	*NOW*	NOV-98	EPF8820AQC208-2
CL8820AQC208-3	CL8820A	PQFP-208	-3	*NOW*	NOV-98	EPF8820AQC208-3
CL8820AQC208-4	CL8820A	PQFP-208	-4	*NOW*	NOV-98	EPF8820AQC208-4
CL8820AQI208-4	CL8820A	PQFP-208	-4	NOV-98	NOV-98	EPF8820ARI208-4
CL8820ATC144-2	CL8820A	TQFP-144	-2	*NOW*	NOV-98	EPF8820ATC144-2
CL8820ATC144-3	CL8820A	TQFP-144	-3	*NOW*	NOV-98	EPF8820ATC144-3
CL8820ATC144-4	CL8820A	TQFP-144	-4	*NOW*	NOV-98	EPF8820ATC144-4



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