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Altera Cyclone V SoC

Designator	Description	Manufacturer	PartNumber	Quantity
C1, C3, C16, C18, C30, C32, C44, C46	CAP, TA, 68uF, 16V, +/-20%, 0.05 ohm, SMD	Panasonic	16TQC68MYF	8
C2, C4, C17, C19, C31, C33, C45, C47	CAP, CERM, 47uF, 16V, +/-20%, X5R, 1210	MuRata	GRM32ER61C476ME15L	8
C5, C11, C20, C25, C34, C39, C48, C53	CAP, TA, 220uF, 6.3V, +/-20%, 0.009 ohm, SMD	Kemet	T520D227M006ATE009	8
C6, C7, C8, C9, C12, C13, C14, C15, C21, C22, C23, C24, C26, C27, C28, C29, C35, C36, C37, C38, C40, C41, C42, C43, C49, C50, C51, C52, C54, C55, C56, C57	CAP, CERM, 47uF, 6.3V, +/-20%, X5R, 1210	MuRata	GRM32ER60J476ME20L	32
C10, C61, C62, C72	CAP, CERM, 0.1uF, 50V, +/-10%, X7R, 0603	MuRata	GCM188R71H104KA57B	4
C58, C59, C60, C64, C65, C66, C67	CAP, CERM, 0.01uF, 50V, +/-5%, X7R, 0603	Kemet	C0603C103J5RACTU	7
C63	CAP, CERM, 100pF, 50V, +/-5%, C0G/NP0, 0603	AVX	06035A101JAT2A	1
C68, C70, C71, C74, C75, C76	CAP, CERM, 10uF, 6.3V, +/-20%, X5R, 0603	Kemet	C0603C106M9PACTU	6
C69	CAP, CERM, 1000pF, 100V, +/-5%, X7R, 0603	AVX	06031C102JAT2A	1
C73	CAP, CERM, 10pF, 50V, +/-5%, C0G/NP0, 0603	AVX	06035A100JAT2A	1
C77, C85	CAP, CERM, 47uF, 10V, +/-20%, X5R, 0805	MuRata	GRM21BR61A476ME15	2
C78, C79, C80, C81, C82, C83, C86, C87, C88, C89, C90, C91	CAP, CERM, 10uF, 10V, +/-10%, X5R, 0805	MuRata	GRM21BR61A106KE19L	12
C84, C92	CAP, CERM, 1uF, 50V, +/-10%, X7R, 0805	MuRata	GRM21BR71H105KA12L	2
D1	Diode, Zener, 5.1V, 300mW, SOD-523	Diodes Inc.	BZT52C5V1T-7	1
D2, D3, D4, D5, D6, D7, D8, D9, D10	Diode, Schottky, 30V, 0.2A, SOT-23	Diodes Inc.	BAT54-7-F	9

Designator	Description	Manufacturer	PartNumber	Quantity
J1, J2, J3, J4, J5, J6, J7, J8, J9, J10, J11, J12	TERMINAL BLOCK 5.08MM VERT 2POS, TH	On-Shore Technology	ED120/2DS	12
R1, R2, R9, R10, R15, R16, R21, R22	RES, 49.9 ohm, 1%, 0.1W, 0603	Vishay-Dale	CRCW060349R9FKEA	8
R3, R12, R17, R24	RES, 453 ohm, 1%, 0.1W, 0603	Vishay-Dale	CRCW0603453RFKEA	4
R4, R18	RES, 1.74k ohm, 1%, 0.1W, 0603	Vishay-Dale	CRCW06031K74FKEA	2
R5, R19	RES, 158k ohm, 1%, 0.1W, 0603	Vishay-Dale	CRCW0603158KFKEA	2
R6, R20	RES, 261k ohm, 1%, 0.1W, 0603	Vishay-Dale	CRCW0603261KFKEA	2
R7	RES, 68.1k ohm, 1%, 0.1W, 0603	Vishay-Dale	CRCW060368K1FKEA	1
R8	RES, 12.1k ohm, 1%, 0.1W, 0603	Vishay-Dale	CRCW060312K1FKEA	1
R11, R23	RES, 1.62k ohm, 1%, 0.1W, 0603	Vishay-Dale	CRCW06031K62FKEA	2
R13, R25	RES, 324k ohm, 1%, 0.1W, 0603	Vishay-Dale	CRCW0603324KFKEA	2
R14, R26	RES, 165k ohm, 1%, 0.1W, 0603	Vishay-Dale	CRCW0603165KFKEA	2
R27, R28, R29, R30, R33, R34, R35, R36	RES, 1.0k ohm, 5%, 0.1W, 0603	Vishay-Dale	CRCW06031K00JNEA	8
R31, R32	RES, 10k ohm, 5%, 0.1W, 0603	Vishay-Dale	CRCW060310K0JNEA	2
R37, R38	RES, 10.0k ohm, 1%, 0.1W, 0603	Vishay-Dale	CRCW060310K0FKEA	2
R39	RES, 100k ohm, 1%, 0.1W, 0603	Vishay-Dale	CRCW0603100KFKEA	1
R40	RES, 10 ohm, 5%, 0.1W, 0603	Vishay-Dale	CRCW060310R0JNEA	1
TP1, TP3, TP5, TP7, TP9, TP11, TP13, TP15	Test Point, Multipurpose, Orange, TH	Keystone	5013	8
TP2, TP4, TP6, TP8, TP10, TP12, TP14, TP16	Test Point, Multipurpose, Red, TH	Keystone	5010	8
U1, U3, U5, U7	6A SIMPLE SWITCHER Power Module with 2.95V-14.5V Input and Current Sharing in QFN Package, RUQ0047A	Texas Instruments	LMZ31506RUQ	4
U2, U4, U6, U8	3A SIMPLE SWITCHER Power Module with 4.5V-14.5V Input in QFN Package, RUQ0047A	Texas Instruments	LMZ31503RUQ	4
U9	IC, Single Schmitt-Trigger Inverter	TI	SN74LVC1G14DCK	1
U10, U11	36-V, 1-A, 4.17-µVRMS, RF LDO Voltage Regulator, RGW0020A	Texas Instruments	TPS7A4700RGW	2
U12	IC, Sink/Source DDR Termination Regulator	TI	TPS51200DRC	1

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