















Comment	Description	Designator	Footprint	LibRef	Quantity
		C1, C2, C3, C4, C5, C6, C7, C8, C9, C10,			
	1	C11, C12, C23, C28, C31, C32, C37, C47,			
0.1uF	1	C48, C49, C53, C59,			
		C60, C64, C70, C73, C74, C75, C76, C77,			
	1	C146, C151, C159,			
		C160, C161, C162, C165, C166, C167,			
	Capacitor	C168, C169, C173,	0402	CAP	
		C174, C175, C185, C186, C187, C190,	ĺ		
	1	C193, C196, C199,			
	1	C203, C204, C205, C206, C208, C209,			
	1	C211, C214, C215, C216, C220, C233,			
		C239, C259, C260,			
	1	C261, C267, C282, C283			
0.01uF		C13, C14, C15, C16,			
	1	C17, C22, C39, C40, C41, C42, C43, C52,			
	1	C55, C56, C62, C63,			
	1	C66, C68, C72, C90, C91, C92, C93, C94,			
	Capacitor	C95, C96, C97, C98, C99, C100, C101.	0402	CAP	
	1	C102, C103, C104,			
		C105, C106, C107, C108, C109, C110,			
		C111, C112, C113,			
		C147, C149, C176, C177, C178, C179			
1nF		C18, C19, C20, C27,			
		C34, C44, C45, C46, C50, C51, C57, C58,			
	Capacitor	C61, C65, C67, C71, C114, C115, C116,	0402	CAP	
	1	C117, C180, C181,			
		C182, C183 C26, C30, C195,	 		
10uF/6.3V	Capacitor	C198, C201, C207,	0603	CAP	
		C210, C271, C276, C277			
		C170, C171, C189,			
10uF/10V 8200pF	Capacitor	C192, C202, C217, C218, C231, C232,	0603	CAP	
		C265, C266, C272,			
	Capacitor	C279, C280, C281 C234	0402	CAP	
22uF/4V	Capacitor	C235, C278	0603	CAP	
LuF	Capacitor	C238	0402	CAP	
18pF	Capacitor	C262, C263, C268, C269, C273, C274	0402	CAP	
50ohm 3A		L1, L4, L5, L13, L14,	0603	INDUCTOR1	
BEAD		L15, L16, L18 L2, L7, L11, L12	0402	INDUCTOR1	
L.SuH		L20	SPM6530	INDUCTOR1	
2.2uH		L21, L22, L23, L24, L25, L26	0806	INDUCTOR1	
OSC_25MHz		OSC1, OSC2, OSC3	SMD4	HEADER 2X2	
OSC_24MHz		OSC4	SMD4	HEADER 2X2	
240/1%		R1, R28	0402	RES2	
2K/1%		R2, R30, R31, R32, R33	0402	RES2	
1K		R3, R4, R6, R12, R79, R80	0402	RES2	
1		R5, R13, R14, R93,	0402	RES2	
		R153 R7, R8, R9, R10, R11,	F	-	
10K		R15, R17, R18, R19, R20, R24, R25, R39, R40, R58, R59, R67,	0402	RES2	
		R72, R73 R27, R41, R45, R46,			
1.7K		R47, R48, R49, R50, R54, R55, R56, R57	0402	RES2	
DNI		R29, R42, R43, R44,			
	1	R61, R62, R63, R64, R114, R117, R118,	0402	RES2	
		R139, R140, R141,	0402	ne52	
		R142, R150, R151, R152			
1.99K/1%		R65	0402	RES2	
22/1%		R70 R71	0402	RES2 RES2	
12K/1% 100K		R74, R96, R115,	0402	RES2 RES2	
		R116, R138			
22.1K/1% 320/1%		R75, R98 R77	0402	RES2 RES2	
9.68K/1%		R97	0402	RES2	
301K/1%		R119	0603	RES2	
200K/1%		R120, R122, R129, R133, R134, R135	0603	RES2	
475K/1%		R121	0603	RES2	
909K/1%		R123, R126	0603	RES2	
534K/1%		R124, R130	0603	RES2	
500K 267K/1%		R125, R132, R137 R127	0402	RES2 RES2	
150K/1%		R128	0603	RES2	
453K/1%		R131	0603	RES2	
402K/1%		R136	0603	RES2	
19.9/1%		R143, R144, R145, R146, R147, R148	0402	RES2	
HRM-02	DIP Switch Cyclone V SX Family	SW1, SW2, SW3	SW-2	SW DIP-2	
SCSXFC6C6U23C6N	FPGA, 1.07 to 1.13 V Supply, 145 I/O Pins, 6 PLLs, 672-Pin UBGA, Speed Grade 6, Commercial	U1	UBGA672	SCSXFC6C6U23C6N	
	Grade, RoHS Compliant				
MT42L128M32D1LF		U3	FBGA168	Component_1	
525FL512S		U4	TBGA-24	HEADER 25	
M25P64VME CS79021RN	8 Pin Header	US U6	VDFPN8 OFN48	8 HEADER HEADER 25X2	
USB3300-EZK		U7	QFN48 QFN32	HEADER 25X2 HEADER 16X2	
NCP1532	Connector	U8, U9, U10	UDFN10	CON10	
rssa3359	Connector	U13, U14	DCU8	CON8	
	Connector	U15 U17, U18, U19	SOT-553 TSFP-3	CON6 HEADER 3	
		U1/, U18, U19	Lahtrid		
SN74AVC1T45DRLR ESD5V3U2U-03F TPS25S3DRVR			DRV6	HEADER 7	
		U20 U22	DRV6 RSA16	HEADER 7 16PIN	
ESDSV3U2U-03F FPS2SS3DRVR	Connector	U20			