

Bill of Materials

TI DESIGNS

USB 2.0/3.0 Mass Storage Bridge for Automotive Infotainment Systems

Item	Quantity	Reference	Value	Part Number	PCB Footprint	Manufacturer	
1	1	CN1	10031569-001LF		CONN_10031569		
2	1	CN2	CONN HDR 7X2 JTAG TI XDS	XDS510 JTAG	CN_HDR_7X2	3M	
3	1	CN3	CONN DB9 FEMALE	SERIAL PORT	CN_DB9_FEMALE	ITT Cannon	
4	11	C1,C2,C6,C7,C25,C26,C27,	0.01uF		402		
5	9	C8,C29,C31,C58,C60,C61,C	22uF		805		
6	2	C9,C11	220uF		THCAP_2P5MM		
7	24	C10,C17,C22,C23,C24,C28,	0.1uF		402		
8	2	C12,C13	0.1uF		201		
9	1	C14	.1uF		402		
10	1	C15	.001uF		402		
11	3	C16,C18,C19	18pF		402		
12	1	C20	10uF		805		
13	4	C21,C32,C45,C56	1uF		402		
14	1	C30	1000uF		THCAP_5MM		
15	4	C63,C64,C65,C66	0.47uF		603		
16	1	C75	30pF		402		
17	15	D1,D2,D3,D4,D5,D6,D7,D8,	LED Green 0805		805		
18	1	D15	MBRS540T3		DIODE_SMC		
19	5	FB1,FB2,FB4,FB5,FB6	220 @ 100MHZ		603		
20	1	F1	PTC FUSE		FUSE_2920L		
21	1	J7	HDR4X1 M .1		HDR_4X1		
22	1	J8	Conn USB3_B_AK	USB3_UP0	09	MainSuper	
23	1	J9	HDR 12X2 M 1.X.1		hdr_thvt_2x12_100_m		
24	1	J10	HDR2X2 M .1X.1		hdr_thvt_2x2_100_m		
25	1	J11	2.1mm x 5.5mm	5V_SUPPLY	PJ-202AH		
26	1	J12	HDR1x3		eprt-head-00001-0000		
27	1	J13	HDR2X1 M .1		HDR_2X1		
28	5	J14,J15,J17,J18,J19	NOPOP		HDR_2X1		
29	3	LP1,LP2,LP3	LP		TP_RED		
30	1	L1	15uH		DR127		
31	1	L2	2.2uH		MM		
32	8	64,R73	4.7K		402		
33	24	,R39,R40,R41,R42,R45,R4	10K		402		
34	1	R11	90.9K		402		
35	10	,R62,R74,R75,R76	NOPOP		402		
36	1	R14	1M		402		

Item	Quantity	Reference	Value	Part_Number	PCB Footprint	Manufacturer	
37	15	.R25,R26,R27,R28,R29,R3	330		402		
38	1	R35	0		402		
39	1	R56	3.65K		402		
40	1	R58	3.16K		402		
41	1	R60	NOPOP		805		
42	3	R65,R71,R72	1K		402		
43	1	R66	400K		402		
44	1	R68	475K		402		
45	2	SW1,SW3	PB_SWITCH	BRD_RESETN	SW_MOM_2NO		
46	1	SW2	TS01CQE		0	C&K Div.	
47	5	U1,U2,U5,U6,U7	TPD2EUSB30_NOPOP		DRT_r_pdso_n3_sot23		
48	1	U3	TUSB9260APAPQ1		u_64_pap		
49	1	U4	Pm25LV512A		SOIC_8S		
50	1	U8	TPS5450		DDA_R-PDSO-G8		
51	1	U9	TPS2561DRC		DRC_S_PVSON_N10		
52	1	U10	TPS650061		RUK_s-pqfp-n20		
53	1	U11	MAX3221		U_16_PW	Texas Instruments	
54	1	XY1	40 MHz	ECS-400-20-30B-DU	ECX-53B		

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