

# Bill of Materials

Project: ALI3SHARP7-V2  
 Project Name: ALI3-Sharp7  
 Revision: 01  
 Variant: 0



Report Date: 30-Jun-15 30-Jun-15

#	Quantity	Designator	Description	Manufacturer 1	Manufacturer Part Number 1	Fitted	Notes
1	6	C1, C2, C13, C14, C16, C17	CAP CER 0.1UF 50V 10% X7R 0603	AVX	06035C104KAT2A		
2	1	C3	CAP CER 1000PF 50V 10% X7R 0603	AVX	06035C103KAT2A		
3	2	C4, C5	CAP CER 10UF 25V 20% X7R 1210	AVX	12103C106MAT2A		
4	2	C6, C7	CAP CER 10UF 6.3V 10% X7R 0805	Taiyo	JMK212B7106KG-T		
5	2	C8, C9	CAP CER 2.2UF 25V 10% X5R 0805	AVX	08053D225KAT2A		
6	3	C10, C11, C12	CAP CER 1UF 25V 10% X7R 0805	AVX	08053C105KAT2A		
7	1	C15	CAP TANT 47UF 25V 10% 2917	AVX	TAJD476K025RNJ		
8	1	CON1	LVDS Connector, 1mm Pitch, 32P, Bottom Contact	JAE	FI-XB30SSRLA-HF16		
9	1	CON2	Mini Display Port Sink	ADAMTECH	MDPC-S-RA		
10	1	CON3	FFC & FPC Connectors 0.5 FFC/FPC ZIF E02 HsgAssy8CktEmbsTpPkg	Molex	52893-0895		
11	1	CON4	CONN POWER JACK 2.5X5.5MM HI CUR	CUI	PJ-002BH-SMT		
12	1	CON5	8P FPC Connector 0.5mm Bottom Contact SMD	TE	1734592-8	DNP	
13	3	D1, D2, D4	DIODE SCHOTTKY 30V 2A SOD123L	OnSemi	MBR230LSFT1G		
14	1	D3	DIODE SCHOTTKY 60V 1A SMA	OnSemi	MBRA160T3G		
15	1	J1	CONN HEADER BRKWAY 6POS SGL .100	TE	5-146280-6	DNP	
16	1	J2	CONN HEADER BRKWAY 4POS SGL .100	TE	5-146280-4	DNP	
17	1	L1	INDUCTOR 6.8UH 1.2A SMD	Bourns	SRR0603-6R8ML		
18	1	L2	INDUCTOR PWR 10UH 20% SHIELD SMD	Bourns	SRR0604-100ML		
19	4	M1, M2, M3, M4	Mounting Hole			DNP	
20	3	R1, R3, R15	RES 10.0K OHM 1/10W 1% 0603 SMD	Vishay	CRCW060310K0FKEA		
21	1	R2	RES 30.9K OHM 1/10W 1% 0603 SMD	Vishay	CRCW060330K9FKEA		
22	1	R4	RES 51 OHM 1/10W 5% 0603 SMD	Vishay	CRCW060351R0JNEA		
23	2	R5, R6	RES 1.00K OHM 1/10W 1% 0603 SMD	Vishay	CRCW06031K00FKEA		
24	1	R7	RES 49.9K OHM 1/10W 1% 0603 SMD	Vishay	CRCW060349K9FKEA		
25	3	R8, R9, R10	RES 0.0 OHM 1/10W JUMP 0603 SMD	Vishay	CRCW0603000Z0EA		
26	1	R14	RES 0.0 OHM 1/10W JUMP 0603 SMD	Vishay	CRCW0603000Z0EA	DNP	
27	3	R11, R12, R13	RES 4.7K OHM 1/10W 5% 0603 SMD	Vishay	CRCW06034K70JNEA		
28	1	REG1	IC REG BUCK ADJ 1A 6TSOT	NS	LMR12010XMK		
29	1	U1	IC LED DRIVR WHITE BCKLGT 16-QFN	TI	TPS61181RTER		

Approved