

# Bill of Materials

SD346SQEVK

Project: SD346\_EVK\_REV\_F\_600090.PRJPCB  
Variant: SD346\_EVK\_REV\_D\_600090 0603 Coupling Caps

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Item	Designator	Manufacturer	Manufacturer Part Number	Distributor	Distributor Part Number	Quantity	Footprint	Value	Tolerance	Voltage	Power Rating	Description	Comment
1	X1	Citizen America Corporation	HCM49-27.000MABJ-UT	Digi-Key	300-8571-1-ND	1	CRYSTAL CITIZEN HCM49	27MHz	30 ppm			Crystal	27MHz
2	U10, U11, U12, U13, U14, U15	Fairchild Semiconductor	NC7SZ125M5X	Digi-Key	NC7SZ125M5XCT-ND	6	SOT- 23_5_lead LLP10					IC BUFFER	NC7SZ125M
3	U2, U3, U4, U5, U6, U7, U8, U9	National Semiconductor	LMS4684LD	Digi-Key	LMS4684LD-ND	8						Switch - Dual SPDT	LMS4684
4	U1	National Semiconductor	LMH0346SQ	National Semiconductor	LMH0346SQ	1	LLP_SQA24 B_					LMH0346 SQ 24-pin LLP package	LMH0346SQ
5	SO1, SO2, SO3, SO4, SO5	Keystone Electronics	2205	DigiKey	2205k-ND	5	standoff-4- 40					4-40 standoff	
6	SMA1, SMA2, SMA3, SMA4, SMA5, SMA6	Johnson Components	142-0701-851	Digi-Key	J658-ND	6	SMA JOHNSON 142-0701- 851		18.0GHz			SMA Connector (Jack)	SMA_EDGE_LAUNCH
7	S1	Tyco Electronics	ADE0804	Digi-Key	450-1366-ND	1	DIP_16			20 V	0.4 VA at 20 VDC	Switch	SW,DIP,8
8	RP3	Yageo Corporation	YC248-JR-0756KL	Digi-Key	YC248J-56KCT-ND	1	RES PAC 8 YAGEO	56.0k	5%	50 V	1/16 W per resistor	Resistor Array, Isolated, 56K	8 X 56K
9	RP1, RP2	Yageo Corporation	YC248-JR-076K8L	Digi-Key	YC248J-6.8KOHMCT-ND	2	RES PAC 8 YAGEO	6.8k	5%	50 V	1/16 W per resistor	Resistor Array, Isolated, 6.8K	8 X 6.8K
10	R28, R29, R30, R31, R32, R33	Vishay-Dale	CRCW04020000Z0ED	Digi-Key	541-0.0UCT-ND	6	0402_NEW ER	0		50 V	1/16 W	Resistor	WB_Resistor
11	R26	ROHM	MCR03EZPJ103	Digi-Key	RHM10KGCT-ND	1	0603_NEW ER	10k	5%	50 V	1/10 W	Resistor	10k
12	R24, R25	ROHM	MCR03EZPJ102	Digi-Key	RHM1.0KGCT-ND	2	0603_NEW ER	1.0K	5%	50 V	1/10 W	Resistor	1.0k
13	R14, R15, R16, R17, R18, R19, R20, R21, R22, R23	ROHM	MCR03EZPJ331	Digi-Key	RHM330GCT-ND	10	0603_NEW ER	330	5%	50 V	1/10 W	Resistor	330
14	R13	ROHM	MCR03EZPFX1000	Digi-Key	RHM100HCT-ND	1	0603_NEW ER	100	1%	50 V	1/10 W	Resistor	100
15	R8, R12, R27	Vishay-Dale	CRCW06030000Z0EA	Digi-Key	541-0.0GTR-ND	3	0603_NEW ER	0		75 V	1/10 W	Resistor	WB_Resistor
16	R1, R2, R3, R4, R5, R6, R7	ROHM	MCR03EZPJ300	Digi-Key	RHM30GCT-ND	7	0603_NEW ER	30	5%	50 V	1/10 W	Resistor	30
17	J3, J4	Tyco Electronics/Amp	1-87215-0	Digi-Key	A26564-ND	2	HEADER DIP2 1X2					Header	HEADER 1X2
18	J2	Tyco Electronics/Amp	87215-5	Digi-Key	A26578-ND	1	HEADER DIP16 2X8					Header	HEADER 8X2
19	J1	Tyco Electronics/Amp	87215-8	Digi-Key	A26582-ND	1	Header2x12					Header	HEADER 12X2
20	F1, F2, F3, F4, F5					5	Fiducial						fiducial
21	D3, D4, D5, D6	LITE-ON	LTST-C155KGJRKT	Digi-Key	160-1409-1-ND	4	LED_Dual			2 V		LED - Dual	LTST-C155KGJRKT
22	D2	LITE-ON	LTST-C190CKT	Digi-Key	160-1181-1-ND	1	LED_0603			2 V		LED	LTST-C190CKT
23	D1	LITE-ON	LTST-C190GKT	Digi-Key	160-1183-1-ND	1	LED_0603			2 V		LED	LTST-C190GKT
24	C13, C14, C15, C16	Panasonic	ECJ-1VB1H104K	Digi-Key	PCC2398CT-ND	4	0603_NEW ER	0.1uF	10%	50 V		Capacitor	0.1uF
25	C10, C11	Panasonic	ECJ-0EC1H390J	Digi-Key	PCC390CQCT-ND	2	0402_NEW ER	39pF	5%	50 V		Capacitor	39pF
26	C9	Panasonic	ECJ-1VB1C563K	Digi-Key	PCC1759CT-ND	1	0603_NEW ER	56 nF	10%	16 V		Capacitor	56nF
27	C3, C4, C5, C6, C7, C8	Panasonic	ECJ-1VB0J475K	Digi-Key	PCC2396CT-ND	6	0603_NEW ER	4.7 uF	10%	6.3 V		Capacitor	4.7 uF
28	C1, C2	TDK	C3216X7R1C475K	Digi-Key	445-1385-2-ND	2	1206	4.7 uF	10%	16 V		Capacitor	4.7uF
29	BJ3	Emerson	111-0703-001	Digi-Key	111-0703-001-ND	1	BANANA BINDING POST					Binding Post (Banana Jack)	BANANA JACK
30	BJ1, BJ2	Emerson	111-0702-001	Digi-Key	111-0702-001-ND	2	BANANA BINDING POST					Binding Post (Banana Jack)	BANANA JACK

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