

Bill of Materials

SD356EVK Evaluation Board

Project: 600057.PrjPCB
 Variant: Standard Build
 Revision: B



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Item	Designator	Manufacturer	Manufacturer Part Number	Distributor	Distributor Part Number	Quantity	Footprint	Value	Tolerance	Voltage	Power Rating	Description	Comment
1	BJ1, BJ2	Emerson	111-0702-001	Digi-Key	111-0702-001-ND	2	BANANA BINDING POST					Binding Post (Banana Jack)	BANANA JACK (Red)
2	BJ3	Emerson	111-0703-001	Digi-Key	111-0703-001-ND	1	BANANA BINDING POST					Binding Post (Banana Jack)	BANANA JACK (Black)
3	C1, C2	TDK	C3216X7R1C475K	Digi-Key	445-1385-2-ND	2	1206	4.7 uF	10%			Capacitor	4.7uF
4	C3, C4, C5, C6, C7, C8, C9, C10, C11, C12, C13, C14, C15, C16, C17, C18	Panasonic	ECJ-0EB1A105M	Digi-Key	PCC2364CT-ND	16	0402_NEW ER	1uF	20%			Capacitor	1uF
5	C19	Panasonic	ECJ-1VB1C563K	Digi-Key	PCC1759CT-ND	1	0603_NEW ER	56 nF	10%			Capacitor	56nF
6	C20, C21	Panasonic	ECJ-0EC1H390J	Digi-Key	PCC390CQCT-ND	2	0402_NEW ER	39pF	5%			Capacitor	39pF
7	C22, C23, C24, C25, C26, C27, C28, C29, C30, C31, C32	Panasonic	ECJ-1VB1H104K	Digi-Key	PCC2398CT-ND	11	0603_NEW ER	0.1uF	10%			Capacitor, Open - Do Not Stuff	0.1uF, Open
8	D1, D2	LITE-ON	LTST-C190GKT	Digi-Key	160-1183-1-ND	2	LED_0603					LED	LTST-C190GKT
9	D3	LITE-ON	LTST-C190CKT	Digi-Key	160-1181-1-ND	1	LED_0603					LED	LTST-C190CKT
10	D4, D5, D6, D7, D8, D9	LITE-ON	LTST-C155KGJRKT	Digi-Key	160-1409-1-ND	6	LED_Dual					LED - Dual	LTST-C155KGJRKT
11	F1, F2, F3, F4, F5, U1					6	Fiducial, LLP_SQ448 PIN					Rectlocker with 4:1 Mux	fiducial, LMH0356
12	J1	Tyco Electronics/Amp	87215-8	Digi-Key	A26582-ND	1	HEADER DIP24 2X12					Header	HEADER 12X2
13	J2	Tyco Electronics/Amp	87215-5	Digi-Key	A26578-ND	1	HEADER DIP16 2X8					Header	HEADER 8X2
14	J3, J5	Tyco Electronics/Amp	1-87215-0	Digi-Key	A26564-ND	2	HEADER DIP2 1X2					Header	HEADER 1X2
15	R1, R2, R3, R4, R5, R6, R7, R8, R9	ROHM	MCR03EJPJ300	Digi-Key	RHM30GCT-ND	9	0603_NEW ER	30	5%			Resistor	30
16	R10, R14, R16, R35	ROHM	MCR03EJPJ000	Digi-Key	RHM0.0GCT-ND	4	0603_NEW ER	0	Max. 50 mOhm			Resistor	0
17	R17, R18, R19, R20, R21, R22, R23, R24, R25, R26, R27, R28, R29, R30, R31, R32, R33, R34	ROHM	MCR03EJPJ331	Digi-Key	RHM330GCT-ND	15	0603_NEW ER	330	5%			Resistor	330
18	R32, R33, R34	ROHM	MCR03EJPJ103	Digi-Key	RHM10KCT-ND	3	0603_NEW ER	10k	5%			Resistor	10k
19	RP1, RP2	Yageo Corporation	YC248-JR-076K8L	Digi-Key	YC248J-6.8KOHMCT-ND	2	RES PAC 8 YAGEO	3.6k	5%			Resistor Array, Isolated, 6.8K	8 X 6.8K
20	RP3	Yageo Corporation	YC248-JR-0756KL	Digi-Key	YC248J-56KCT-ND	1	RES PAC 8 YAGEO	56.0k	5%			Resistor Array, Isolated, 56K	8 X 56K
21	S1	Tyco Electronics	ADE0804	Digi-Key	450-1366-ND	1	DIP_16					Switch	SW_DIP.8
22	SMA1, SMA2, SMA3, SMA4, SMA5, SMA6, SMA7, SMA8, SMA9, SMA10, SMA11, SMA12, SMA13, SMA14, SMA15, SMA16	Johnson Components	142-0701-851	Digi-Key	J658-ND	16	SMA JOHNSON 142-0701-851		18.0GHz			SMA Connector (Jack)	SMA_EDGE_LAUNCH
23	SMA17	Amphenol RF	ARFX1231-ND	Digi-Key	901-144-8RFX	1	SMA_SURF MT		4GHz			Connector - SMA (Jack)	SMA_THRU
24	SO2, SO3, SO4, SO5, SO6, SO7	Keystone Electronics	2205	DigiKey	2205k-ND	6	standoff-4-40						4-40 standoff
25	U2, U3, U4, U5, U6, U16, U17, U18	National Semiconductor	LMS4684LD	Digi-Key	LMS4684LD-ND	8	LLP10					Switch - Dual SPDT	LMS4684
26	U7, U8, U9, U10, U11, U12, U13, U14, U15	Fairchild Semiconductor	NC7SZ125MSX	Digi-Key	NC7SZ125MSXCT-ND	9	SOT-23_5_lead					IC BUFFER	NC7SZ125M
27	X1	Citizen America Corporation	HCM49-27.000MABJ-UT	Digi-Key	300-8571-1-ND	1	CRYSTAL CITIZEN HCM49	27MHz	30 ppm			Crystal	27MHz