



Bill of Materials for the CCRGEVB Evaluation Board 2.0

Designator	Quantity	Description	Value	Tolerance	Footprint	Manufacturer Part Number	Manufacturer	Substitution Allowed	Lead Free
R1, R2	2	Resistor SMD	4.7k	1%	0603	Any	Any	Yes	Yes
R3	1	Resistor SMD	1R00	1%	1206	Any	Any	Yes	Yes
R4	1	Resistor SMD	10R0	1%	1210	Any	Any	Yes	Yes
R5	0	Resistor SMD	-	-	-	-	-	-	-
R6	1	Resistor SMD	12R1	1%	1210	Any	Any	Yes	Yes
R7	1	Resistor SMD	1R07	1%	1210	Any	Any	Yes	Yes
D1 - D4	4	Ultrafast Power Rectifier	MURA160T3G	-	SMA	MURA160T3G	ON semiconductor	No	Yes
D5 - D7	3	Top View LED	STW8T16C	-	See Datasheet	STW8T16C	Seoul Semiconductor	Yes	Yes
D8-D10	3	Top View LED	STW8B12C	-	See Datasheet	STW8B12C	Seoul Semiconductor	No	Yes
D11-D13	3	Top View LED	SZ5-M0-WW-C8	-	See Datasheet	SZ5-M0-WW-C8	Seoul Semiconductor	No	Yes
TP4,TP7-12	7	Test Point Loop	-	-	SMT	5015	Keystone Electronics	Yes	Yes
Q1	1	40V, 4.0A Low VceSat NPN Transistor	NSS40201	-	SOT-23	NSS40201LT1G	ON semiconductor	No	Yes
CCR1	1	45V, 20mA Constant Current Regulator	NSI45020	-	SOD-123	NSI45020AT1G	ON semiconductor	No	Yes
CCR2	1	45V, 30mA Constant Current Regulator	NSI45030	-	SOD-123	NSI45030AT1G	ON semiconductor	No	Yes
CCR3	1	45V, 30mA Constant Current Regulator	NSI45030	-	SOT-223	NSI45030AZT1G	ON semiconductor	No	Yes
CCR4	1	45V, 35-70mA Constant Current Regulator	NSI45035	-	SOT-223	NSI45035JZT1G	ON semiconductor	No	Yes
CCR5	1	45V, 90-160mA Constant Current Regulator	NSI45090	-	DPAK	NSI45090JDT4G	ON semiconductor	No	Yes
CCR6	1	50V, 350mA Constant Current Regulator	NSI50350	-	DPAK	NSI50350ADT4G	ON semiconductor	No	Yes
CCR7	1	50V, 150-350mA Constant Current Regulator	NSI50150	-	DPAK	NSI50150ADT4G	ON semiconductor	No	Yes
J1 - J21	21	2 Pin Header .1" SP	-	-	2.54mm	Any	Any	Yes	Yes
SW1	1	Toggle Switch SPDT .300" Silver Right Angle	-	-	-	M2T12S4A5W30-RO	NKK Switches	Yes	Yes
PWR1, PWR2, PWM, GND, GND2	5	Terminal PC Test Point Loop	-	-	-	4952	Keystone Electronics	Yes	Yes
Jumper	10	RM 2.54 mm, PCB pin's (2)	Jumper - PCB pin's	-	2.54mm	S9001-ND	Sullins Connector Solutions	Yes	Yes