

Bill of Materials

RGB_Test

Source Data From: RGB T.PrjPcb
 Project: RGB T.PrjPcb
 Variant: None

Creation Date: 2019/9/16 15:24:37
 Print Date: 19-Jan-20 10:45:28 AM

Footprint	Comment	LibRef	Designator	Description	Quantity
0603_1.6x0.8x0.8mm_Reflow Soldering	10V, 100nF	885012206020	C1, C4, C5, C8, C9, C10, C11, C12, C13, C14, C15	WCAP-CSGP Ceramic Capacitors, 0603, X7R, 10V, 100nF	11
1206_3.2x1.6x1.6mm	25V, 10uF	885012108021	C2	WCAP-CSGP Ceramic Capacitors, 1206, X5R, 25V, 10uF	1
1206_3.2x1.6x1.6mm	25V, 4.7uF	885012108020	C3	WCAP-CSGP Ceramic Capacitors, 1206, X5R, 25V, 4.7uF	1
1206_3.2x1.6x1.6mm	10V, 10uF	885012208018	C6	WCAP-CSGP Ceramic Capacitors, 1206, X7R, 10V, 10uF	1
1206_3.2x1.6x0.8mm	10V, 100nF	885012208009	C7	WCAP-CSGP Ceramic Capacitors, 1206, X7R, 10V, 100nF	1
1206_3.2x1.6x0.8mm	6.3V, 1uF	885012208009	C16	WCAP-CSGP Ceramic Capacitors, 1206, X7R, 10V, 100nF	1
ONSC-SOD-323-2-477-02_V	BAS16H	BAS16H	D1	Schottky Barrier Diode, 2-Pin SOD-323, Pb-Free, Tape and Reel	1
ONSC-SOT-23-3-318-08_V	SM05T1G	SM36T1G	D2		1
ONSC-DFN-5-488AA_G_V	MRVB440MFST1G	NTS560	D3, D4		2
694106106102	694106106102	694106106102	J1	DC Power Jack Connector with 4 soldering pads & Pegs WR-DC, Male, Right Angled, SMT, 5 A, 24 V	1
623310235521	1.27 mm_SMD_Vertical_10 pin	623310235521	J5	Pin Header WR-PHD, pitch 1.27 mm, SMD, Vertical, dual row, 10 pin	1
WE-MAPI_4020	2.2 uH, 4.7 A	74438356022	L1	SMT Shielded Power Inductor WE-MAPI, size 4020, 2.2 uH, 4.7 A	1
LRTB	LRTB GVSG	LRTB GVSG	LED11, LED12, LED13, LED14, LED21, LED22, LED23, LED24, LED31, LED32, LED33, LED34, LED41, LED42, LED43, LED44		16
0603_R	10KΩ (1002) ±1%	0603 10KΩ (1002) 1%	R1, R4, R5, R12, R13, R14, R18, R20, R21	Chip Resistor	9
0603_R	0Ω (0R0) ±1%	0603 0Ω (0R0) 1%	R2	Chip Resistor	1
0603_R	68Ω (68R0) ±1%	0603 68Ω (68R0) 1%	R6, R7, R8, R9, R23, R24	Chip Resistor	6
0603_R	10Ω (10R0) ±1%	0603 10Ω (10R0) 1%	R11	Chip Resistor	1
0603_R	100KΩ (1003) ±1%	0603 100KΩ (1003) 1%	R15, R22	Chip Resistor	2
0603_R	4.7KΩ (4701) ±1%	0603 4.7KΩ (4701) 1%	R16, R17	Chip Resistor	2
0603_R	2KΩ (2001) ±1%	0603 2KΩ (2001) 1%	R25, R26, R27, R28	Chip Resistor	4
434133025816	434133025816	434133025816	SW1	4.2x3.2mm J-Bend SMD Tact Switch WS-TASV, height 2.5 mm, 160 gf	1
416131160804	416131160804	416131160804	SW2	SMD Dip Switch WS-DISV, Small Compact, Flat Actuator, with Top Tape, pitch 1.27mm, 4pin	1
NCV891330	NCV891330PD33R2G	NCV891330	U1		1
QFN-24_4x4x05P	PCA9655EMTTXG	PCA9655_WQFN	U2		1
NCV7685	NCV7685G	NCV7685G	U3, U4, U5, U6		4
SIP_RSL10 - B	RSL10-SIP	RSL10-SIP	U7		1
SOT563	NCV8170	NCV8170	U8		1

Approved	Notes