

Source: C:\Users\LaptopNew\Documents\KiCAD Projects\AS_1001_TLG_IGTsmall_button\SC_1001_TLG_IGTsmall_button.sch

Date: 7/28/2020 16:23

Tool: Eeschema (5.1.6)-1

Generator: C:\Program Files\KiCad\bin\scripting\plugins\bom_csv_grouped_by_value_with_fp.py

Component Count: 41

<u>Item</u>	<u>Qty</u>	<u>Reference</u>	<u>Value</u>	<u>Part No.</u>	<u>Description</u>	<u>Manuf #1</u>	<u>Manuf #1 P/N</u>
1	1	C1,	1 uF 25V	CC_0805X7R105K025V	Chip Capacitor, 0805, X7R, 1.0 uF, 10%, 25V	Kemet	C0805C105K3RACTU
2	1	C2,	1 uF	CC_0402X7R105K6P3V	Chip Capacitor, 0402, X7R, 1.0 uF, 10%, 6.3V	Murata	GRM155R70J105KA12D
3	1	C3,	6.8 uF	CC_1206TAN685M010V	Chip Capacitor, 1206, Tantalum, 10uF, 20%, 10V	Kemet	T491A685M010AT
4	2	C4, C6	0.1 uF	CC_0402X7R104K6P3V	Chip Capacitor, 0402, X7R, 0.1 uF, 10%, 6.3V	Yageo	CC0402KRX7R5BB104
5	1	C5,	3300 pF	CC_0402X7R332K025V	Chip Capacitor, 0402, X7R, 3300 pF, 10%, 25V	Kemet	C0402C332K3RACTU
6	2	C7, C8	C_TBD	C_TBD	Chip Capacitor, Do Not Install		
7	1	D1,	D_HSDL-9100-024	DI_HSDL_9100	Proximity Sensor Diode	Broadcom	HSDL-9100-024
8	1	D3,	LED Green	DI_LED_0805_GRN	Diode, LED, SMT, Green, 0805	Lite-On	LTST-C171GKT
9	1	D2,	LED Yellow	DI_LED_0805_YEL	Diode, LED, SMT, Yellow, 0805	Lite-On	LTST-C170KSKT
10	1	FB2	Ferrite_Bead_Small	ID_TDK_MMZ1005B601C	Chip Ferrite Bead, 0402, 200 mA, 600 ohms @100 MHz	TDK	MMZ1005B601C
11	1	FB3	FB_TBD	FB_TBD	Chip Ferrite Bead, Do Not Install		
12	1	J1,	Conn_01x02_Female	CN_TBD	Connector, TBD, Do Not Install		
13	1	J3,	Conn_01x03_Female	CN_TBD	Connector, TBD, Do Not Install		
14	1	Q1,	Q_DMP3098LDM	IC_DMP3098LDM	P-Channel, Single, VDS 30V, Rdson 65mOhm	Diodes Inc	DMP3098LDM-7
15	8	R1, R2, R8, R9, R10, R11, R17, R18	TBD	CR_TBD	Chip Resistor, TBD, Do Not Install		
16	1	R3	49.9k	CR_0402F4992	Chip Resistor, 0402, 1%, 49.9 K Ohm, 1/16W	Yageo	AC0402FR-0749K9L
17	5	R4, R15, R16	10k	CR_0402F1002	Chip Resistor, 0402, 1%, 10.0 K Ohm, 1/16W	Yageo	AC0402FR-0710KL
18	1	R14	510	CR_0402F5100	Chip Resistor, 0402, 1%, 510 Ohm, 1/10W	Yageo	RC0402FR-07510RL
19	1	R5	0	CR_0402F000	Chip Resistor, 0402, 1% 0 ohm,	Yageo	RC0402JR-070RL
20	1	R6,	100k	CR_0402F1003	Chip Resistor, 0402, 1%, 100K Ohm, 1/16W	Yageo	RC0402FR-07100KL
21	1	R7,	10	CR_0402F10R0	Chip Resistor, 0402, 1%, 10.0 Ohm, 1/16W	Yageo	RC0402FR-0710RL
22	2	R12, R13	150	CR_0402F1500	Chip Resistor, 0402, 1%, 150 Ohm, 1/16W	Yageo	RC0402FR-07150RL
23	2	R19,R20	2.2k	CR_0402F2201	Chip Resistor, 0402, 1%, 2.2 K Ohm, 1/16W	Yageo	AC0402FR-072K2L
24	1	TC1,	TC2030-MCP-FP	CN_TBD	Connector, TBD, Do Not Install		
25	1	U1,	MCP1703A	IC_MCP1703A	Voltage Regulator, LDO, 2.8V, 250 mA, Low Noise, SOT-23A	Microchip	MCP1703T-2802E/CB
26	1	U2	IC_TLP3475R	IC_TLP3475R	SSR photorelay, SPST, NO	Toshiba	TLP3475R
27	1	U3	IC_TBD	IC_TBD	IC, TBD, Do Not Install		
28	1	U4,	PIC16F18346-SS_0	IC_PIC16F18346_20SSOP	PIC Microcontroller 16F 8-bit	Microchip	PIC16F18346T-I/SS
29	1	U5,	IC_APDS_9700_20	IC_APDS_9700_20	Proximity Sensor Diode Driver	Broadcom	APDS-9700-020
30	1	U6,	IC_TBD	IC_VL6180XV0NR_1	Laser Range Finder	ST	VL6180V1NR/1
31	1	Wire Red	6820 RD005	HW_Wire_28AWG_Red	Hook up wire, 28awg solid, Red	Alpha Wire	6820 RD005
32	1	Wire Black	6820 BK005	HW_Wire_28AWG_Black	Hook up wire, 28awg solid, Black	Alpha Wire	6820 BK005
33	1	Wire Green	6820 GR005	HW_Wire_28AWG_Green	Hook up wire, 28awg solid, Green	Alpha Wire	6820 GR005
34	1	Wire White	6820 WH005	HW_Wire_28AWG_White	Hook up wire, 28awg solid, White	Alpha Wire	6820 WH005
35	1	Wire Blue	6820 BL005	HW_Wire_28AWG_Blue	Hook up wire, 28awg solid, Blue	Alpha Wire	6820 BL005