

8ch LED Indicator BOM								
Item #	Reference Designator	Qty	Manufacturer	Mfg Part #	Description / Value	Package/Footprint	Type	Instructions / Notes
1	C1 C2 C3 C5 C6 C7 C8 C9 C10 C11 C12	11	Samsung	CL21B104KBCNNWC	CAP CER 0.1UF 50V X7R 0805	0805	SMD	
2	C4	1	Nichicon	UWR1A101MCL1GB	CAP ALUM 100UF 20% 10V SMD	5.3x5.3mm	SMD	
3	D1 D2 D3 D4 D5 D6 D7 D8	8	OPSCO Optoelectronics	SK6812SMINI	SMD,3.5x3.7mm RGB LEDs(Built-in IC) ROHS	4POS LED	SMD	
4	J2	1	Sullins	PREC002SAAN-RC	Connector Header Through Hole 2 position 0.1"	2POS	THRU-HOLE	
5	J1	1	Sullins	PREC003SAAN-RC	Connector Header Through Hole 3 position 0.1"	3POS	THRU-HOLE	
6	J4	1	Sullins	PREC004SAAN-RC	Connector Header Through Hole 4 position 0.1"	4POS	THRU-HOLE	
7	J3	1	Sullins	PREC008SAAN-RC	Connector Header Through Hole 8 position 0.1"	8POS	THRU-HOLE	
8	Q1 Q2 Q3 Q4 Q5 Q6 Q7 Q8	8	Good-Ark Semiconductor	BSS138	MOSFET, N-CH, SINGLE, 0.22A, 50V	SOT-23	SMD	
9	R5 R6	2	Panasonic	ERJ-6GEYJ102V	RES SMD 1K OHM 5% 1/8W 0805	0805	SMD	
10	R1 R2 R3 R4 R7 R8 R9 R10 R11 R12 R13 R14 R15 R16 R17 R18	16	Panasonic	ERJ-6GEYJ103V	RES SMD 10K OHM 5% 1/8W 0805	0805	SMD	
11	SW1	1	C&K	PTS636 SP50 SMTR LFS	SWITCH TACTILE SPST-NO 0.05A 12V	Gull Wing 6x3.5mm	SMD	
12	U1	1	Microchip	ATTINY804-SSNR	IC MCU 8BIT 8KB FLASH 14SOIC	14SOIC	SMD	