

Color	Wavelength	v1 P/N	DK	v2 Wavelength	v2 P/N	LCSC	Price @ 100
UV	456	150224BS73100	https://www.digik	415	P2-0805UVTCS2-0.8T		0.0142
Deep Blue	465	APT2012QBC/D	https://www.digik	465	E6C0805QBAC1UDA		0.0168
Blue	470	QBLP631-IB		472	XL-TD2012UBC		0.0277
Teal	496	SMLD12E3N1WT86					
Emerald	505	SMLD12E2N1WT86		505	SMLD12E2N1WT86		0.4178
Green	525	QBLP631-IG		520	E6C0805VGAC1UDA		0.015
Yellow-Greener	560	SML-M13PTT86		560	SML-H12P8TT86		0.1049
Yellow-Green	570	QBLP631-AG		570	E6C0805YGAC1UDA		0.015
Yellow	590	QBLP631-Y		590	E6C0805UYAC1UDA		0.015
Amber	605	QBLP631-O		605	LTST-C171KFKT		0.0212
Red	625	QBLP631-R		620	E6C0805URAC1UDA		0.015
Deep Red		4		640	APT2012SRCPRV		0.0906
Soft White	3000K	QBLP675-IW-WW			HL-A-3014H416W-S1-08HL-HR3		0.0103
Cool White	4000K	QBLP675-IW-NW			HL-A-3014H416W-S1-08HL-HR3		0.0103
Bright White	6000K	QBLP675-IW-CW			HL-A-3014H416W-S1-08HL-HR3		0.0103
Daylight	11000K	QBLP661-IW5-CW			HL-PSC-2012H233W(9000-16000K)		0.0103
							0.7944

Designed P/N	JLC P/N	Description	Designator	QTY	Change from v1?
CGA3E1X7R1C105M080	CL10A105KB8NNNC	CAP CER 1UF 16V X7R 0603	C1, C2, C3, C4, C6	5	
CGA3E2X7R1H104K080	CC0603KRX7R9BB104	CAP CER 0.1UF 50V X7R 0603	C5, C7	2	
SMLD12E2N1WT86	KT-0603W	LED	D18	1	
QBLP631-R	KT-0603R	LED	D19	1	
ESD7002WTT1G	H5VUT2U	Clamp - Ipp Tvs Diode Surface Mount SC-70	D17	1	5V TVS
BSS84AK,215	MDD2301	P-Channel Trench MOSFET, -50 V, -0.18 A, 250 mA	Q1	1	
CRCW060310K0FKEC	0603WAF1002T5E	RES SMD 10K OHM 1% 1/10W 0603	R6, R10	2	
CRCW060333R0FKEA	0603WAF330JT5E	RES SMD 33 OHM 1% 1/10W 0603	R3, R4	2	
CRCW060333K65FKEA	0603WAF4301T5E	RES SMD 3.65K OHM 1% 1/10W 0603	R5	1	Using a 4.3k
ERJ-3EKF9092V	0603WAF9102T5E	RES SMD 90.9K OHM 1% 1/10W 0603	R7	1	Using 91k
ERJ-3EKF1001V	0603WAF1001T5E	RES SMD 1K OHM 1% 1/10W 0603	R8, R9	2	
ERJ-3GEY0R00V	0603WAF0000T5E	RES SMD 0 OHM JUMPER 1/10W 0603	R12	1	
LP5018RSMR	AW21024	LED DRIVER	U1	1	
AP22653AW6-7	AP22653AW6-7	Integrated Circuit	U2	1	
PY32F002BF15U	PY32F002BF15U		U3	1	

https://www.lcsc.com/product-detail/Pin-Headers_Samtec-FTSH-107-01-L-DV-K_C5307809.html		
https://www.adafruit.com/product/2430#technical-details		