





















Order Qty	Value	Layout	Parts
300	1 10uF	C0603	C1
300	1 4.7uF	C0603	C2
1100	4 100uF	C1206	C3, C4, C5, C6
200	1 AM-1437	Solar cell	D1
300	1 LED	LED0603	D2
300	1 4.7uH	L-US	L1
300	1 PMOS	SOT23-3	Q1
550	2 MOSFET NP-CH	6-TSOP	Q2, Q3
1000	3 1K	R0603	R1, R2, R3
1250	4 100K	R0603	R4, R5, R7
DNP	1 100K	R0603	R6
1000	3 470K	R0603	R8, R9, R10
250	1 100K	R0603	R11
300	1 649K	R0603	R12
300	1 976K	R0603	R13
DNP	1 1K	R0603	R14
500	1 470	R0603	R14
300	1 MN1382S 2.0V	SOT23-3	U1
300	1 TC54VC 2.9V	SOT23-3	U2
300	1 MCP1640T	SOT23-6	U3

## Digikey Part #

## Coilcraft

445-7486-6-ND

490-3297-6-ND

478-3130-1-ND

???

160-1184-6-ND

EPL3012-472MLB

SI2305ADS-T1-GE3DKR-ND

SI3585DV-T1-E3DKR-ND

P1.00KHDKR-ND

P100KHDKR-ND

P100KHDKR-ND

P470KHDKR-ND

P100KHDKR-ND

P649KHDKR-ND

P976KHDKR-ND

P1.0KGDKR-ND

P470GDKR-ND

TC54VC2102ECB713DKR-ND

TC54VC2902ECB71DKR-ND

MCP1640T-I/CHYDKR-ND

## **Discription**

CAP CER 10UF 10V 10% X5R 0603 CAP CER 4.7UF 6.3V 10% X5R 0603 CAP TANT 100UF 6.3V 20% 1210

LED YELLOW CLEAR 0603 SMD 4.7 UH INDUCTOR MOSFET P-CH 8V 5.4A SOT23-3 MOSFET N/P-CH 20V 2A/1.5A 6-TSOP RES 1.00K OHM 1/10W 1% 0603 SMD RES 100K OHM 1/10W 1% 0603 SMD RES 100K OHM 1/10W 1% 0603 SMD RES 470K OHM 1/10W 1% 0603 SMD RES 100K OHM 1/10W 1% 0603 SMD RES 649K OHM 1/10W 1% 0603 SMD RES 976K OHM 1/10W 1% 0603 SMD RES 1.0K OHM 1/10W 5% 0603 SMD RES 470 OHM 1/10W 5% 0603 SMD IC VOLT DETECT 2.0V CMOS SMD IC VOLT DETECTOR 2.9V SOT23A IC BOOST SYNC ADJ 0.1A SOT23-6

## **Notes**

Much more expensive alternative at 1206 size for 100uF.

Any color LED

Using 470K that was tested, should work with 1M To use External Trigger solder R11 instead of R6

VREG = 3V (try to use <5mA) select R value appropriately

If supply low: TC54VC2102ECB713CT-ND is a tested alternative Not needed if not using external Trigger (R6 soldered)

869-1002-ND

MN1382SCPCT-ND