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Comment 0.1 uF	Description CAP CER 0.1UF 10V X5R 0402, CAP CER 0	Designator C1, C3, C5, C6, C60, C6	Footprint CAP 0402 1005	LibRef LMK105BI104MC-F. 8	Quantity
0.1 μr 4.7 μF	CAP CER 4.7UF 10V X5R 0402, CAP CER 0	C2, C4, C67, C68	CAP 0402_1005	CLOSA475KP5NRNC, C	4
4.7 μF	CAP CER 1.70F 10V X5R 0402, CAP CER 1UI	C7, C13	CAP 0402_1005	LMK105BJ105KPLF, EN	2
10000 pF	CAP, MLCC, 0402/1005, 10V, X7R,, CAP C		CAP 0402_1005	LMF105B7103KVHF, T	6
33 pF	CAP CER 33PF 50V CH 0402	C9	CAP 0402 1005	UMK105CH330JVHF	1
4700 pF	CAP CER 4700PF 50V X7R 0402	C10, C44, C48	CAP 0402_1005	0402B472J500CT	3
680 pF	CAP CER 680PF 50V NP0 0402	C11	CAP 0402_1005	C1005NP01H681J050	1
15 pF	CAP CER 15PF 50V COG/NP0 0402	C12	CAP 0402_1005	CBR04C150J5GAC	1
10 μF	CAP CER 10UF 50V X5R 0805	C14, C15, C25, C26, C2	CAP 0805_2012	GRM21BR61H106KE4	15
33 μF	CAP TANT 33UF 20% 35V 2917	C16, C32, C53	CAP POL 2917_7343	T495X336M035ATE17	3
0.1 μF	CAP CER 0.1UF 50V X7R 0603	C17	CAP 0603_1608	C0603C104K5RAC741	1
100 pF	CAP CER 100PF 50V COG/NP0 0603	C18, C20, C21	CAP 0603_1608	C0603C101K5GACAUT	3
0.47 μF	CAP CER 0.47UF 50V X7R 0805	C19	CAP 0805_2012	C0805C474K5RACAUT	1
2.2 μF	CAP CER 2.2UF 35V X5R 0603	C22	CAP 0603_1608	GRM188R6YA225KA1	1
1 μF	CAP CER 1UF 35V X7R 0603	C23	CAP 0603_1608	GMJ107CB7105KAHR	1
4.7 μF	CAP CER 4.7UF 35V X5R 0603	C24	CAP 0603_1608	C1608X5R1V475K080	1
10 μF	CAP CER 10UF 10V X5R 0402	C30, C54, C55, C65	CAP 0402_1005	CL05A106MP8NUB8	4
1000 pF 0.047 μF	CAP CER 1000PF 50V NP0 0402 CAP CER 0.047UF 25V X7R 0603	C33	CAP 0402_1005 CAP 0603 1608	UMK105CG102JVHF	1
10000 pF	CAP CER 0.0470F 25V X7R 0603 CAP CER 10000PF 50V NP0 0603	C35, C36 C37, C42	CAP 0603_1608	C0603C473K3RACAUT CGA3E2NP01H103J08	2
150 pF	CAP CER 10000PF 50V NP0 0803 CAP CER 150PF 50V COG/NPO 0603	C38, C41	CAP 0603_1608	CC0603KRNP09BN15	2
0.033 uF	CAP CER 130PF 30V COG/NPO 0603	C39, C40	CAP 0603_1608	C0603C333K5RACAUT	2
220 pF	CAP CER 0.0330F 30V X/R 0603 CAP CER 220PF 16V X/R 0402	C56, C57	CAP 0603_1608 CAP 0402_1005	8.85012E+11	2
22 μF	CAP CER 22UF 35V X5R 0805	C58, C59, C70, C71, C7	CAP 0805_2012	C2012X5R1V226M125	6
100 μF	CAP TANT 100UF 20% 10V 1411	C72, C73, C74, C78, C7	CAP POL 1411_3528	ATCC-211B-010-107M	6
White	0805 LED WHITE, YELLOW DIFFUSED	D1, D2, D3, D4, D5, D6		QBLP631-IW5	12
BZT52B3V3S_R9		D11, D14	DIO_BZT52B3V3S_R9	BZT52B3V3S_R9	2
DMN67D8L-7	MOSFET N-CH 60V 210MA SOT23	IC1	DIODES SOT-23-3	DMN67D8L-7	1
CP2102N-A02-GQFN2	IC USB TO UART BRIDGE QFN28	IC2	SILICON LABS QFN-28	CP2102N-A02-GQFN2	1
TSM-102-01-L-SV		J5, J6, J7, J8, J10	TSM-102-01-L-SV	TSM-102-01-L-SV	5
C2982481	5A 1 Surface Mount 16 Female -55°C~+8	J11	GT-USB-7079A	GT-USB-7079A	1
4.7uH	BMQADY1010404R7MA1	L1	BMQADY1010404R7N	BMQADY1010404R7N	1
74437324022	LHMI Inductor 4020 2.2uH 5.0A 27.0mOl	L2	IND_74437324022	74437324022	1
744314330		L3	IND_744314330	744314330	1
LIGHT PIPE	Light Pipe Dialight 515-1069F	LP1	Dialight 515-1069F	Dialight 515-1069F	1 4
AON6362 CSD15380F3T	30V N-Channel MOSFET	Q1, Q2, Q3, Q4 O5, O6, O7, O8	DFN 5x6	AON6362 CSD15380F3T	4
0 Ohms	20-V N-Channel FemtoFET MOSFET 3-PIC RES SMD 0 OHM JUMPER 1/5W 0402	A0) A0) A.) A0	TRXDFN69X60X35-3N RES 0402 1005		12
22 Ohms	RES SMD 0 OHM JOMPER 1/5W 0402	R1, R2, R6, R11, R12, R R3, R4, R5	RES 1206 3216	CRCW04020000Z0EDH HRG3216Q-22R0-D-T	12
100 kOhms	RES 100K OHM 0.1% 1/16W 0603	R7	RES 0603 1608	RNCS0603BKE100K	3
2.2 kOhms	RES 2.2K OHM 0.1% 1/10W 0402, RES 2.2	R9, R40, R41, R43, R44	RES 0402 1005	TNPW04022K20BYEP,	5
1 kOhms	RES SMD 1K OHM 5% 1/16W 0402, RES 2.3	R10	RES 0402_1005	AF0402JR-071KL	1
150 kOhms	RES 150K OHM 5% 1/16W 0402	R13	RES 0402_1005	RC0402JR-07150KL	1
100 kOhms	RES SMD 100K OHM 1% 1/16W 0402	R14, R46, R47, R64, R6	RES 0402_1005	RT0402FRE07100KL	7
300 kOhms	RES 300K OHM 1% 1/16W 0402	R15	RES 0402_1005	RC0402FR-07300KL	1
2 MOhms	RES 2M OHM 5% 1/16W 0402	R16	RES 0402_1005	RMCF0402JT2M00	1
10 kOhms	RES 10K OHM 5% 1/16W 0402	R17, R20, R21, R22, R4	RES 0402_1005	RC0402JR-1310KL	12
40.2 kOhms	RES 40.2K OHM 1% 1/16W 0402	R18	RES 0402_1005	RC0402FR-0740K2L	1
15 kOhms	RES 15K OHM 1% 1/16W 0402	R19, R39	RES 0402_1005	RC0402FR-1315KL	2
383 kOhms	RES SMD 383K OHM 1% 1/10W 0402	R23	RES 0402_1005	ERJ-2RKF3833X	1
5 mOhms	RES 0.005 OHM 5% 1W 1206	R24, R31	RES 1206_3216	PMR18EZPJU5L0	2
220 kOhms	RES 220K OHM 1% 1/16W 0402	R25	RES 0402_1005	RC0402FR-07220KL	1
10 Ohms	RES SMD 10 OHM 1% 1/10W 0603	R26, R27, R28	RES 0603_1608	ERJ-3EKF10R0V	3
30.1 kOhms	RES 30.1K OHM 1% 1/16W 0402	R29	RES 0402_1005	RC0402FR-0730K1L	1
191 kOhms	RES SMD 191K OHM 1% 1/10W 0402	R30	RES 0402_1005	ERJ-2RKF1913X	1
4.99 Ohms	RES 4.99 OHM 1% 1/10W 0603	R32, R33	RES 0603_1608	RC0603FR-074R99L	2
10 kOhms 22.1 kOhms	RES 10K OHM 5% 0.01W 0603 RES 22.1K OHM 1% 1/10W 0603	R34, R35, R36, R37, R3 R48	RES 0603_1608 RES 0603_1608	CR0603-JW-103EAS RMCF0603FT22K1	5
1 MOhms	RES SMD 1M OHM 0.1% 1/10W 0603	R48 R50	RES 0603_1608 RES 0603_1608	RT0603BRD071ML	1
47.5 kOhms	RES 47.5K OHM 1% 1/16W 0402	R56	RES 0402 1005	RC0402FR-0747K5L	1
51.1 kOhms	RES SMD 51.1K OHM 1% 1/16W 0402	R57	RES 0402_1005	CR0402-FX-5112GLF	1
2.2 Ohms	RES 2.2 OHM 5% 1/16W 0402	R58, R60	RES 0402_1005	RC0402JR-072R2L	2
6.49 kOhms	RES 6.49K OHM 1% 1/16W 0402	R59	RES 0402_1005	RC0402FR-076K49L	1
15.4 kOhms	RES 15.4K OHM 1% 1/16W 0402	R62	RES 0402_1005	RC0402FR-0715K4L	1
60.4 kOhms	RES SMD 60.4K OHM 1% 1/10W 0603	R73, R74	RES 0603_1608	CRCW060360K4FKEA	2
DU.4 KUIIIIIS		TP1, TP2, TP3, TP4, TP	KEYSTONE_5016	5016	6
5016				STM32F030F4P6	1
	Value-line Arm-based 32-bit MCU with u	U1	TSOP65P640X120-20N	311013210301410	
5016	Value-line Arm-based 32-bit MCU with u I2C 1- to 5-Cell Buck-Boost Battery Charg	U1 U2	QFN40P400X400X80_	BQ25731RSNR	1
5016 STM32F030F4P6					1
5016 STM32F030F4P6 BQ25731RSNR	I2C 1- to 5-Cell Buck-Boost Battery Charg	U2	QFN40P400X400X80_	BQ25731RSNR	1 1
5016 STM32F030F4P6 BQ25731RSNR TPS25750DRJKR	I2C 1- to 5-Cell Buck-Boost Battery Charg USB, Type-C Controller PMIC 38-WQFN (- EEPROM Memory IC 256Kb (32K x 8) IÂ ² C	U2 U3 U4 U5	QFN40P400X400X80_ IC_TPS25750DRJKR	BQ25731RSNR TPS25750DRJKR	
5016 STM32F030F4P6 BQ25731RSNR TPS25750DRJKR TVS2200DRVR CAT24C256WI-G CSD87330Q3D	I2C 1- to 5-Cell Buck-Boost Battery Charg USB, Type-C Controller PMIC 38-WQFN (U2 U3 U4 U5 U6, U8	QFN40P400X400X80 IC_TPS25750DRJKR SON65P200X200X80-3 SOIC127P600X175-8N Q3D	BQ25731RSNR TPS25750DRJKR TVS2200DRVR CAT24C256WI-G CSD87330Q3D	
5016 STM32F030F4P6 BQ25731RSNR TPS25750DRJKR TVS2200DRVR CAT24C256WI-G	I2C 1- to 5-Cell Buck-Boost Battery Charg USB, Type-C Controller PMIC 38-WQFN (- EEPROM Memory IC 256Kb (32K x 8) IÂ ² C	U2 U3 U4 U5	QFN40P400X400X80 IC_TPS25750DRJKR SON65P200X200X80-7 SOIC127P600X175-8N	BQ25731RSNR TPS25750DRJKR TVS2200DRVR CAT24C256WI-G	