

Item Number	Mounted	Unique Part name	Part Reference	Description	Manufacturer	Manufacturer Part Number	Remarks	Supplier	Supplier Code	PCB Footprint
1		CAPN_XXX_6N80_50V0_10T_X7R_0402	C1	Capacitor; 6.8 nF; 10 %; 50 V; X7R; 0402	Any Manufacturer	Any Man. Part Number		Any Supplier	Any Supp. Code	CAPC1005X55X65Y62C88N
2		CAPN_XXX_6N80_50V0_10T_X7R_0402	C2	Capacitor; 6.8 nF; 10 %; 50 V; X7R; 0402	Any Manufacturer	Any Man. Part Number		Any Supplier	Any Supp. Code	CAPC1005X55X65Y62C88N
3			C3	Capacitor; 82 nF; 5 %; 50 V; COG; 1206	Murata	GRM31C5C1H823JA01L		Digi-Key	490-1765-1-ND	CAPC3216X180X180Y120C290N
4			C4	Capacitor; 82 nF; 5 %; 50 V; COG; 1206	Murata	GRM31C5C1H823JA01L		Digi-Key	490-1765-1-ND	CAPC3216X180X180Y120C290N
5			C5	Capacitor; 100 nF; 5 %; 50 V; COG; 1206	TDK	CGA5L2C0G1H104J160AA		Farnell	2211074	CAPC3216X180X180Y120C290N
6			C6	Capacitor; 100 nF; 5 %; 50 V; COG; 1206	TDK	CGA5L2C0G1H104J160AA		Farnell	2211074	CAPC3216X180X180Y120C290N
7		CAPN_XXX_10N0_50V0_10T_X7R_0603	C7	Capacitor; 10 nF; 10 %; 50 V; X7R; 0603	Any Manufacturer	Any Man. Part Number		Any Supplier	Any Supp. Code	CAPC1608X95X95Y100C160N
8		CAPN_XXX_10N0_50V0_10T_X7R_0603	C8	Capacitor; 10 nF; 10 %; 50 V; X7R; 0603	Any Manufacturer	Any Man. Part Number		Any Supplier	Any Supp. Code	CAPC1608X95X95Y100C160N
9			C9	Capacitor; 22 µF; 10 %; 10 V; X5R; 1206	Murata	GRM31CR61A226KE19L		Farnell	1907515	CAPC3216X180X180Y120C290N
10			C10	Capacitor; 22 µF; 10 %; 10 V; X5R; 1206	Murata	GRM31CR61A226KE19L		Farnell	1907515	CAPC3216X180X180Y120C290N
11		CAPN_XXX_100N_16V0_10T_X7R_0402	C11	Capacitor; 100 nF; 10 %; 16 V; X7R; 0402	Any Manufacturer	Any Man. Part Number		Any Supplier	Any Supp. Code	CAPC1005X55X65Y62C88N
12		CAPN_XXX_2P20_50V0_4T6_COG_0402	C12	Capacitor; 2.2 pF; 4.55 %; 50 V; COG; 0402	Any Manufacturer	Any Man. Part Number		Any Supplier	Any Supp. Code	CAPC1005X55X65Y62C88N
13		RES_XXX_0R00_JMP_W010_0603	C13	Resistor; 0 Ω; jumper; 63 mW; 0603	Any Manufacturer	Any Man. Part Number	Mount Resistor	Any Supplier	Any Supp. Code	CAPC1608X95X95Y100C160N
14			C14	Capacitor; 2.2 nF; 5 %; 50 V; COG; 0603	Any Manufacturer	Any Man. Part Number		Any Supplier	Any Supp. Code	CAPC1608X95X95Y100C160N
15			C15	Capacitor; 10 nF; 5 %; 25 V; COG; 0603	KEMET	C0603C103J3GACTU		Farnell	1457729	CAPC1608X95X95Y100C160N
16			C16	Capacitor; 1 nF; 10 %; 25 V; COG 0603	KEMET	C0603C102K3GACTU		Farnell	1167782	CAPC1608X95X95Y100C160N
17		CAPN_XXX_22N0_50V0_10T_X7R_0603	C17	Capacitor; 22 nF; 10 %; 50 V; X7R; 0603	Any Manufacturer	Any Man. Part Number		Any Supplier	Any Supp. Code	CAPC1608X95X95Y100C160N
18		CAPN_XXX_22N0_50V0_10T_X7R_0603	C18	Capacitor; 22 nF; 10 %; 50 V; X7R; 0603	Any Manufacturer	Any Man. Part Number		Any Supplier	Any Supp. Code	CAPC1608X95X95Y100C160N
19			C19	Capacitor; 100 µF; 20 %; 6.3 V; X5R; 1206	Murata	GRM31CR60J107ME39L		Farnell	1735535	CAPC3216X170X180Y125C290N
20		CAPN_XXX_10N0_50V0_10T_X7R_0805	C20	Capacitor; 10 nF; 10 %; 50 V; X7R; 0805	Any Manufacturer	Any Man. Part Number		Any Supplier	Any Supp. Code	CAPC2013X145X115Y145C180N
21			D1	Diode; Schottky; 30 V; 200 mA	NXP	1P5765B10		Farnell	1081179	SOD2513X110X90Y50C260N
22			D2	Diode; Zener; 5.6 V; 300 mW	NXP	BZX384-B5V6		Farnell	2319171	SOD2513X110X50Y90C260N
23			E1	Solder Pad; 4x4mm; SMT	N.L.C.	N.L.C.		N.L.C.	N.L.C.	SP_SQR_0400
24			E2	Solder Pad; 4x4mm; SMT	N.L.C.	N.L.C.		N.L.C.	N.L.C.	SP_SQR_0400
25			G1	Crystal; 32.786kHz; SMT	Yoketant	S3215C-032768-12-20-NA		NXP	Customer Delivers Component	XTAL_CIT_CM315_SMT
26	NM		G2	Crystal; 32.786kHz; SMT	Abracon	AB26TRQ-32.768kHz-T		Mouser	815-AB26TRQ-32.7-T	XTAL_ABR_AB26TRQ_SMT
27		LED_KBR_KPHHS-1005MGCK_0402_GREEN	H1	LED; 2.1 V; 30 mA; GREEN	Kingbright	KPHHS-1005MGCK		Farnell	2290341	LED_KBR_KPHHS-1005_SMT
28		LED_KBR_KPHHS-1005SURCK_0402_RED	H2	LED; 1.95 V; 30 mA; RED	Kingbright	KPHHS-1005SURCK		Farnell	2001787	LED_KBR_KPHHS-1005_SMT
29			N1	NXQ1TXH5	NXP	NXQ1TXH5		NXP	Customer Delivers Component	QFN50P500X500X85-33X85Y27C510N_NXP
30		RES_PAN_1R00_5T0_OW10_0402_ERJ2GE	R1	Resistor; 1 Ω; 5 %; 100 mW; 0402	Panasonic	ERJ2GEJ1ROX		Farnell	2059191	RESC1005X40X62Y58C94N
31		RES_PAN_1R00_5T0_OW10_0402_ERJ2GE	R2	Resistor; 1 Ω; 5 %; 100 mW; 0402	Panasonic	ERJ2GEJ1ROX		Farnell	2059191	RESC1005X40X62Y58C94N
32		RES_XXX_1K00_1T0_W063_0603	R3	Resistor; 1 kΩ; 1 %; 63 mW; 0603	Any Manufacturer	Any Man. Part Number		Any Supplier	Any Supp. Code	RESC1608X84X100Y80C170N
33		RES_XXX_1K00_1T0_W063_0603	R4	Resistor; 1 kΩ; 1 %; 63 mW; 0603	Any Manufacturer	Any Man. Part Number		Any Supplier	Any Supp. Code	RESC1608X84X100Y80C170N
34		RES_XXX_100K_1T0_W063_0603	R5	Resistor; 100 kΩ; 1 %; 63 mW; 0603	Any Manufacturer	Any Man. Part Number		Any Supplier	Any Supp. Code	RESC1608X84X100Y80C170N
35	NM		R6	Resistor; NTC; 100 kΩ; 1 %; 4250K	Murata	NXFT15WF104FA2B050		Mouser	81-NXFT15WF104FA2B050	RESNTC_MUR_NXFT15WF104FA2B050_TH_THT_ISO
36		RES_XXX_390K_1T0_W063_0603	R7	Resistor; 390 kΩ; 1 %; 63 mW; 0603	Any Manufacturer	Any Man. Part Number		Any Supplier	Any Supp. Code	RESC1608X84X100Y80C170N
37		RES_XXX_47K0_1T0_OW10_0603	R8	Resistor; 47 kΩ; 1 %; 100 mW; 0603	Any Manufacturer	Any Man. Part Number		Any Supplier	Any Supp. Code	RESC1608X84X100Y80C170N
38		RES_XXX_43K0_1T0_W063_0603	R9	Resistor; 43 kΩ; 1 %; 63 mW; 0603	Any Manufacturer	Any Man. Part Number		Any Supplier	Any Supp. Code	RESC1608X84X100Y80C170N
39		RES_XXX_130K_1T0_OW10_0805	R10	Resistor; 130 kΩ; 1 %; 100 mW; 0805	Any Manufacturer	Any Man. Part Number		Any Supplier	Any Supp. Code	RESC2013X84X145Y95C200N
40		RES_XXX_390K_1T0_W063_0603	R11	Resistor; 390 kΩ; 1 %; 63 mW; 0603	Any Manufacturer	Any Man. Part Number		Any Supplier	Any Supp. Code	RESC1608X84X100Y80C170N
41	NM	RES_XXX_1K00_1T0_W063_0603	R12	Resistor; 1 kΩ; 1 %; 63 mW; 0603	Any Manufacturer	Any Man. Part Number		Any Supplier	Any Supp. Code	RESC1608X84X100Y80C170N
42		RES_XXX_1K80_1T0_W063_0603	R13	Resistor; 1.8 kΩ; 1 %; 63 mW; 0603	Any Manufacturer	Any Man. Part Number		Any Supplier	Any Supp. Code	RESC1608X84X100Y80C170N
43		RES_XXX_27K0_1T0_W063_0603	R14	Resistor; 27 kΩ; 1 %; 63 mW; 0603	Any Manufacturer	Any Man. Part Number		Any Supplier	Any Supp. Code	RESC1608X84X100Y80C170N
44		RES_XXX_15K0_1T0_W063_0603	R15	Resistor; 15 kΩ; 1 %; 63 mW; 0603	Any Manufacturer	Any Man. Part Number		Any Supplier	Any Supp. Code	RESC1608X84X100Y80C170N
45		RES_XXX_15K0_1T0_W063_0603	R16	Resistor; 15 kΩ; 1 %; 63 mW; 0603	Any Manufacturer	Any Man. Part Number		Any Supplier	Any Supp. Code	RESC1608X84X100Y80C170N
46		RES_XXX_180K_1T0_W063_0603	R17	Resistor; 180 kΩ; 1 %; 63 mW; 0603	Any Manufacturer	Any Man. Part Number		Any Supplier	Any Supp. Code	RESC1608X84X100Y80C170N
47		RES_XXX_1M00_1T0_W063_0603	R18	Resistor; 1 MΩ; 1 %; 63 mW; 0603	Any Manufacturer	Any Man. Part Number		Any Supplier	Any Supp. Code	RESC1608X84X100Y80C170N
48	NM	RES_XXX_0R00_JMP_W010_0603	R23	Resistor; 0 Ω; jumper; 63 mW; 0603	Any Manufacturer	Any Man. Part Number		Any Supplier	Any Supp. Code	SHORT_OPEN_0603
49		RES_XXX_0R00_JMP_W010_0603	R24	Resistor; 0 Ω; jumper; 63 mW; 0603	Any Manufacturer	Any Man. Part Number	Mount Resistor	Any Supplier	Any Supp. Code	SHORT_OPEN_0603
50	NM	RES_XXX_0R00_JMP_W010_0603	R25	Resistor; 0 Ω; jumper; 63 mW; 0603	Any Manufacturer	Any Man. Part Number	Open	Any Supplier	Any Supp. Code	SHORT_OPEN_0603
51		RES_XXX_0R00_JMP_W010_0603	R26	Resistor; 0 Ω; jumper; 63 mW; 0603	Any Manufacturer	Any Man. Part Number	Mount Resistor	Any Supplier	Any Supp. Code	SHORT_OPEN_0603
52	NM	RES_XXX_0R00_JMP_W010_0603	R27	Resistor; 0 Ω; jumper; 63 mW; 0603	Any Manufacturer	Any Man. Part Number	Open	Any Supplier	Any Supp. Code	SHORT_OPEN_0603
53		RES_XXX_0R00_JMP_W010_0603	R28	Resistor; 0 Ω; jumper; 63 mW; 0603	Any Manufacturer	Any Man. Part Number	Mount Resistor	Any Supplier	Any Supp. Code	SHORT_OPEN_0603
54			X1	Connector; Micro USB-AB; 5-way	FCI	10104111-0001LF		Farnell	2293755	CONS_FCI_10104111-0001LF_9PFR_UL
55	NM	CONT_MOL_22-28-4020_2PMS_L	X2	Header; Straight; 1x2-way; 2.54mm	Molex	22-28-4020		Farnell	1550559	CONT_MOL_22-28-4020_2PMS_L_ISO