

Item #	Qty	Ref Des	Manufacturer	Mfg Part #	Distributor	Description	Package	Type	DNS	NS
1	1	A1	Fractus	FR05_S1_N_0_110	RichardsonRFPD		FR05_S1_N_0_110	smt	FALSE	FALSE
2	17	C1-2 C9 C12-13 C16-17 C23 C26-31 C41 C43 C55	Murata	GRM033R60J104KE19D	Digikey	100nF	C0201	fine pitch	FALSE	FALSE
3	12	C3 C8 C10-11 C14 C20-21 C24 C36 C42 C50 C52	TDK Corporation	C0603X5R0J105M030BC	Digikey	1uF	C0201	fine pitch	FALSE	FALSE
4	3	C4-5 C15	TDK Corporation	C1005X5R0J475M050BC	Digikey	4.7uF	C0402	smt	FALSE	FALSE
5	2	C6 C46	TDK	C0603C0G1E1R2B030BF	Digikey	1.2pF	C0201	fine pitch	FALSE	FALSE
6	2	C18 C25	Samsung Electro-Mechanics America, Inc	CL05A106MP5NUNC	Digikey	10uF	C0402	smt	FALSE	FALSE
7	1	C19	TDK Corporation	C1608X5R0J226M080AC	Digikey	22uF	C0603	smt	FALSE	FALSE
8	2	C22 C48	Johanson Technology Inc	250R05L180GV4T	Digikey	18pF	C0201	fine pitch	FALSE	FALSE
9	2	C32-33	AVX Corporation	02013A220GAT2A	Digikey	22pF	C0201	fine pitch	FALSE	FALSE
10	2	C34-35	Johanson Technology Inc	250R05L150GV4T	Digikey	15pF	C0201	fine pitch	FALSE	FALSE
11	1	C39	Murata	C0603X7R1E102K030BA	Digikey	1nF	C0201	fine pitch	FALSE	FALSE
12	1	C40	Murata	GRM033R60J333KE01D	Digikey	33nF	C0201	fine pitch	FALSE	FALSE
13	1	C44	TDK	C0603X5R1E222K030BA	Digikey	2.2nF	C0201	fine pitch	FALSE	FALSE
14	1	C47	TDK	C0603C0G1E1R8C030BF	Digikey	1.8pF	C0201	fine pitch	FALSE	FALSE
15	1	C51	Kemet	C1206C107M9PACTU	Digikey	100uF	C1206	smt	FALSE	FALSE
16	2	C53-54	TDK Corporation	C0603X5R0J474M030BC	Digikey	470nF	C0201	fine pitch	FALSE	FALSE
17	2	D0 D4	Rohm Semiconductor	SML-P11UTT86	Digikey	LEDD0402	D0402	smt	FALSE	FALSE
18	3	D1-3	Rohm Semiconductor	SMLP36RGB2W3	Digikey		SMLP36	smt	FALSE	FALSE
19	1	D5	Panasonic Electronic Components	LNJ847W83RA	Digikey	LEDD0402	D0402	smt	FALSE	FALSE
20	1	D6	Panasonic Electronic Components	LNJ347W83RA	Digikey	LEDD0402	D0402	smt	FALSE	FALSE
21	1	D10	Rohm Semiconductor	RB161M-20TR	Digikey	BAT54WSSOD-123F	SOD-123F	smt	FALSE	FALSE
22	1	J1	Hirose Electric Co Ltd	ZX62WD1-B-5PC	Digikey	USB-5PINZX62WD1-B-5PC	ZX62WD1-B-5PC	smt	FALSE	FALSE
23	1	J2	Harwin Inc	M40-3100345R	Digikey	CON-6SOCKET	M40-3100345R	smt	FALSE	FALSE
24	1	L1	TDK	MLG0603P8N2J	Digikey	8.2nH	L0201	fine pitch	FALSE	FALSE
25	1	L2	TDK	MLG0603P5N6S	Digikey	5.6nH	L0201	fine pitch	FALSE	FALSE
26	1	L3	TDK	MLG0603S3N9S	Digikey	3.9nH	L0201	fine pitch	FALSE	FALSE
27	2	L4 L9	TDK Corporation	MPZ0603S220C	Digikey	Ferrite Bead	L0201	fine pitch	FALSE	FALSE
28	1	L6	Taiyo Yuden	HKQ0603S7N5H-T	Digikey	7.5nH	L0201	fine pitch	FALSE	FALSE
29	1	L7	WURTH	74479775210	Digikey	1uH	L0805	smt	FALSE	FALSE
30	2	R1 R9	Panasonic Electronic Components	ERJ-1GEF4701C	Digikey	4.7k	R0201	smt	FALSE	FALSE
31	6	R2 R7 R15 R31-33	Yageo	RC0201FR-07100KL	Digikey	100k	R0201	smt	FALSE	FALSE
32	1	R3	Panasonic Electronic Components	ERJ-1GEF1503C	Digikey	152.4k	R0201	smt	FALSE	FALSE
33	1	R4	Panasonic Electronic Components	ERJ-1GEJ105C	Digikey	1M	R0201	smt	FALSE	FALSE
34	2	R5 R14	Panasonic Electronic Components	ERJ-1GE0R00C	Digikey	0 (OPT) (do not stuff)	R0201	smt	TRUE	FALSE
35	1	R6	Panasonic Electronic Components	ERJ-1GEF24R9C	Digikey	25	R0201	smt	FALSE	FALSE
36	1	R8	Panasonic Electronic Components	ERJ-1GEF1242C	Digikey	12.4k	R0201	smt	FALSE	FALSE
37	1	R10	Panasonic Electronic Components	ERJ-1GEF3922C	Digikey	39.2k	R0201	smt	FALSE	FALSE
38	1	R11	Panasonic	ERJ-1GEF2202C	Digikey	22k	R0201	smt	FALSE	FALSE
39	1	R12	Yageo	RC0201FR-07100KL	Digikey	100k (do not stuff)	R0201	smt	TRUE	FALSE
40	3	R17 R20 R23	Panasonic Electronic Components	ERJ-1GEF51R0C	Digikey	50	R0201	smt	FALSE	FALSE
41	1	R25	Panasonic Electronic Components	ERJ-1GE0R00C	Digikey	0	R0201	smt	FALSE	FALSE
42	2	R27-28	Panasonic Electronic Components	ERJ-1GEF15R0C	Digikey	15	R0201	smt	FALSE	FALSE
43	1	U1	Energy Micro	EFM32LG330F256	Digikey		QFN64	fine pitch	FALSE	FALSE
44	1	U2	Nordic Semiconductor	nRF8001-R2Q32-T	Mouser		QFN-32	fine pitch	FALSE	FALSE
45	1	U3	ST	LIS3DHTR	Digikey		LGA16_3X3	fine pitch	FALSE	FALSE
46	1	U4	Freescale Semiconductor	MAG3110FCR1	Digikey		DFN10-2X2	fine pitch	FALSE	FALSE
47	1	U5	Texas Instruments	LP5523TMX/NOPB	Digikey		WL-CSP-25	fine pitch	FALSE	FALSE
48	1	U6	Diodes Inc	DMC2990UDJ-7	Digikey		SOT963	fine pitch	FALSE	FALSE
49	1	U7	Microchip	MCP73832-2ACI/MC	Mouser		DFN8	fine pitch	FALSE	FALSE
50	1	U8	NXP Semiconductors	IP4059CX5/LF,135	Digikey		WLCPSP5	fine pitch	FALSE	FALSE
51	1	U9	Fairchild Semiconductor	FPF1005	Digikey		MICROFET-2X2-6L	smt	FALSE	FALSE
52	1	U10	STMicroelectronics	STM6519AHARUB6F	Digikey		UDFN6	fine pitch	FALSE	FALSE
53	1	U11	Texas Instruments	TPS78222DRVR	Digikey		S-PWSON-N6	smt	FALSE	FALSE
54	1	U12	Texas Instruments	TPS62080ADSGT	Mouser		S-PWSON-N8	fine pitch	FALSE	FALSE
55	1	U13	NXP Semiconductor	NX3L1T53GM,125	Digikey		SOT902-2	fine pitch	FALSE	FALSE
56	1	U14	Fairchild Semiconductor	FD6MA2P857	Digikey	(do not stuff)	MO-229	smt	TRUE	FALSE
57	1	U16	Winbond	W25Q16DWBYIG	Arrow		WLBGA-8	fine pitch	FALSE	FALSE
58	1	U17	Analog Devices	ADP151ACBZ-1.8-R7	Digikey		CB-4-3	fine pitch	FALSE	FALSE
59	1	U18	NXP Semiconductors	NTB0104GU12,115	Digikey		XQFN12	fine pitch	FALSE	FALSE
60	1	X1	AVX Corp/Kyocera Corp	ST3215SB32768B0HPWB3	Digikey	32kHz	9HT10	smt	FALSE	FALSE
61	1	X2	TXC CORPORATION	7V-16.000MAAE-T	Digikey	16MHz	XTAL2520	smt	FALSE	FALSE
62	1	X4	Abracon Corporation	ABM11-48.000MHZ-D2X-T3	Digikey	48MHz	ABM11	smt	FALSE	FALSE