Variant: 001 Generated: 10/3/2024 3:24 PM TID #: N/A

## PMP41115 REV Bill of Materials



Item #		Quantity	Value	PartNumber	Manufacturer	Description	
1	Designator C1, C15	Quantity 2	0.1uF	C1005X5R1H104K050BB	TDK	Description  CAP, CERM, 0.1 uF, 50 V, +/- 10%, X5R, 0402	PackageReference 0402
2	C2, C11	2	0.1uF	GRM188R72A104KA35J	MuRata	CAP, CERM, 0.1 uF, 100 V, +/- 10%, X7R, 0603	0603
3	C3, C80	2	4.7µF	C2012X5R2A475K125AC	TDK	4.7 μF ±10% 100V Ceramic Capacitor X5R 0805 (2012 Metric)	0805
5	C4, C5 C6, C32, C33,	9	0.01uF	C0603X103K1RACTU HMK107B7104KAHT	Kemet	CAP, CERM, 0.01 uF, 100 V, +/- 10%, X7R, 0603	0603
5	C34, C35, C38,	9	0.1uF	HMK10/B/104KAH1	Taiyo Yuden	CAP, CERM, 0.1 µF, 100 V,+/- 10%, X7R, AEC-Q200 Grade 1, 0603	0603
	C39, C44, C50						
6	C8, C9	2	220pF	CGA1A2X7R1H221K030BA	TDK	CAP, CERM, 220 pF, 50 V, +/- 10%, X7R, AEC-Q200 Grade 1, 0201	0201
7	C10	1	0.1uF	8.85012E+11	Wurth Elektronik	CAP, CERM, 0.1 uF, 16 V, +/- 10%, X7R, 0402	0402
8	C12	1	0.1uF	CGA2B3X7R1H104K050BB	TDK	CAP, CERM, 0.1 uF, 50 V, +/- 10%, X7R, AEC-Q200 Grade 1, 0402	0402
9	C13, C14	3	10uF	GRM188R61E106MA73D CL05A106MP5NUNC	MuRata Samsung Electro-Mechanics	CAP, CERM, 10 uF, 25 V, +/- 20%, X5R, 0603	0603
10	C16, C17, C18 C19, C20, C28	3	10uF 1uF	C2012X7S2A105K125AB	TDK	CAP, CERM, 10 uF, 10 V, +/- 20%, X5R, 0402 CAP, CERM, 1 uF, 100 V, +/- 10%, X7S, 0805	0402 0805
12	C21	1	2.2uF	C3216X7S2A225K160AB	TDK	CAP, CERM, 1 dr , 100 V, +/- 10%, X7S, 1206	1206
13	C22	1	0.1uF	GRM155R62A104KE14D	MuRata	CAP, CERM, 0.1 uF, 100 V, +/- 10%, X5R, 0402	0402
14	C23	1	1μF	0402YD105KAT2A	AVX	CAPACITOR, X5R, 0402, 16V, 1UF	0402
15	C24	1	10pF	C0402C100C8GACTU	Kemet	CAP, CERM, 10 pF, 10 V,+/- 2.5%, C0G/NP0, 0402	0402
16	C25, C26	2	22uF	CL10A226MP8NUNE	Samsung Electro-Mechanics	CAP, CERM, 22 uF, 10 V, +/- 20%, X5R, 0603	0603
17	C27 C29, C30	2	2.2uF 0.47uF	CGA3E3X5R1A225K080AB C0603C474K4RACTU	TDK Kemet	CAP, CERM, 2.2 uF, 10 V, +/- 10%, X5R, AEC-Q200 Grade 3, 0603 CAP, CERM, 0.47 uF, 16 V, +/- 10%, X7R, 0603	0603
19	C31, C56	2	4.7μF	GCJ32DC72A475KE01L	Murata	4.7uF ±10% 100V Ceramic Capacitor X7S 1210 (3225 Metric)	1210
20	C36, C37	2	33pF	06031A330JAT2A	AVX	CAP, CERM, 33 pF, 100 V, +/- 5%, C0G/NP0, 0603	0603
21	C40, C41	2	0.1uF	06033C104KAT2A	AVX	CAP, CERM, 0.1 uF, 25 V, +/- 10%, X7R, 0603	0603
22	C42	1	100pF	GCM1885C2A101JA16D	MuRata	CAP, CERM, 100 pF, 100 V, +/- 5%, C0G/NP0, AEC-Q200 Grade 1, 0603	0603
	C43, C46	_	17.5	CGA4J1X7R1E475K125AE	TDV O	Cap Ceramic 4.7uF 25V X7R 10% Pad SMD 0805 +125°C Automotive T/R	0805
23	C43, C46	2	4.7µF	CGA4J1X/R1E4/5K125AE	TDK Corporation	Cap Ceramic 4.7ur 25V X7R 10% Pad SMD 0805 +125 C Automotive 1/R	0805
24	C45, C49, C53,	5	1uF	08051C105K4Z2A	AVX	CAP, CERM, 1 µF, 100 V,+/- 10%, X7R, AEC-Q200 Grade 1, 0805	0805
	C59, C64						
25	C47, C52	2	10μF	C3225X7R2A106K250AC	TDK	10 μF ±10% 100V Ceramic Capacitor X7R 1210 (3225 Metric)	1210
26	C48, C51, C55,	4		PCR1J101MCL1GS	Nichicon	100uF 63V Polymer ALUM Electrolytic Capacitor, CR Series 4000h	SMD_RADIAL
27	C60	,	100eF	CCA2E2C0C2A404 1000A7	TDV	10.3x10.3x12.6mm	0000
27	C54	1	100pF	CGA3E2C0G2A101J080AA	TDK	Multilayer Ceramic Capacitors MLCC - SMD/SMT CGA 0603 100V 100pF C0G 5% AEC-Q200	0603
28	C57, C62	2	56uF	EEHZC1J560P	Panasonic	CAP, Polymer Hybrid, 56 uF, 63 V, +/- 20%, 30 ohm, 10x10 SMD	10x10
29	D3, D4	2		V1FM10-M3/H	Vishay	Diode Schottky 1A Surface Mount DO-219AB (SMF)	DO-219AB
30	J1	1		DX07S024JJ2R1300	JAE Electronics	Receptacle, USB 3.1 Type C, R/A, Gold, SMT	Receptacle, USB 3.
							Type C, R/A, SMT
31	J2	1	1	SSW-106-01-T-S	Samtec	Receptacle, 6x1, 2.54mm, Tin, TH	Receptacle, 6x1,
20	12			PEC05DAAN	Culling Coppe of C-1-1-	Header 100ml 512 Tip TH	2.54mm, TH Header, 5x2, 100mil.
32	J3	1		FECUSUAAN	Sullins Connector Solutions	Header, 100mil, 5x2, Tin, TH	Header, 5x2, 100mil, Tin
33	JP1	1		PEC03SAAN	Sullins Connector Solutions	Header, 100mil, 3x1, Tin, TH	Header, 3 PIN.
	<u> </u>	ш.	<u></u>				100mil, Tin
34	L1	1	22 ohm	742792021	Wurth Elektronik	Ferrite Bead, 22 ohm @ 100 MHz, 6 A, 0805	0805
35	L2	1	10uH	CMLB135T-100MS	Cyntec	Power Choke Coil 10uH 20% 9A 22mOhm	SMT2_13MM45_12l
36	Q1	1	60V	CSD18543Q3A	Texas Instruments	MOSEET N-CH 60 V 35 A DNH0008A (VSONP-8)	m6 DNH0008A
37	Q2, Q3, Q9	3	60V	2N7002DW	Fairchild Semiconductor	MOSFET, N-CH, 60 V, 35 A, DNH0008A (VSONP-8) MOSFET, 2-CH, N-CH, 60 V, 0.115 A, SOT-363	SOT-363
38	Q4, Q5, Q6, Q7	4	004	SIR880BDP-T1-RE3	Vishay	N-Channel 80 V 18.6A (Ta), 70.6A (Tc) 5W (Ta), 71.4W (Tc) Surface	SO-8
	a-1, a0, a0, a1	-		OITOGODDI TTTLEO	Violity	Mount PowerPAK® SO-8	000
39	R1, R2	2	1.00k	ERJ-2RKF1001X	Panasonic	RES, 1.00 k, 1%, 0.1 W, 0402	0402
40	R3, R4, R6, R7	4	2.20k	RC0402FR-072K2L	Yageo America	RES, 2.20 k, 1%, 0.063 W, 0402	0402
41	R5, R8	2	10.0k	CRCW040210K0DHEDP	Vishay-Dale	RES, 10.0 k, 0.5%, 0.063 W, 0402	0402
42	R10, R11	2		CRCW02010000Z0ED			
40	D40	-	4001		Vishay-Dale	RES, 0, 5%, 0.05 W, 0201	0201
43	R12	1	100k	RC0201FS-7D100KL	Yageo America	RES, 100 k, 1%, 0.05 W, 0201	0201
44	R13, R16	1 2 3	470	RC0201FS-7D100KL RT0603BRD07470RL	Yageo America Yageo America	RES, 100 k, 1%, 0.05 W, 0201 RES, 470, 0.1%, 0.1 W, 0603	0201 0603
	R13, R16 R14, R15, R62 R18, R20, R22,	1 2 3 17		RC0201FS-7D100KL	Yageo America	RES, 100 k, 1%, 0.05 W, 0201	0201
44 45 46	R13, R16 R14, R15, R62 R18, R20, R22, R23, R26, R27, R48, R60, R66, R98, R99, R100, R103, R104, R107, R109, R110	3 17	470	RC0201FS-7D100KL RT0603BRD07470RL RC0603FR-07100KL RC0402JR-070RL	Yageo America Yageo America Yageo America	RES, 100 k, 1%, 0.05 W, 0.201 RES, 470, 0.1%, 0.1 W, 0603 RES, 100 k, 1%, 0.1 W, 0603 RES, 0, 5%, 0.063 W, 0402	0201 0603 0603 0402
44 45 46	R13, R16 R14, R15, R62 R18, R20, R22, R23, R26, R27, R48, R60, R66, R98, R99, R100, R103, R104, R107, R109, R110	3 17 2	470 100k 0	RC0201FS-7D100KL RT06038RD07470RL RC0603FR-07100KL RC0402JR-070RL	Yageo America Yageo America Yageo America Yageo America	RES. 100 k, 1%, 0.05 W, 0.001 RES. 470, 0.1%, 0.1 W, 0603 RES. 100 k, 1%, 0.1 W, 0603 RES. 0, 5%, 0.063 W, 0402	0201 0603 0603 0402
44 45 46 47 48	R13, R16 R14, R15, R62 R18, R20, R22, R23, R26, R27, R48, R60, R66, R98, R99, R100, R103, R104, R107, R109, R110	3 17 2 1	470 100k 0 0	RC0201FS-7D100KL RT0603BRD07470RL RC0603FR-07100KL RC0402JR-070RL RC0603JR-070RL	Yageo America Yageo America Yageo America Yageo Yageo America	RES, 100 k, 1%, 0.05 W, 0.201 RES, 470, 0.1%, 0.1 W, 0603 RES, 100 k, 1%, 0.1 W, 0603 RES, 0, 5%, 0.063 W, 0402 RES, 0, 5%, 0.1 W, 0603 RES, 0, 5%, 0.1 W, 0603 RES, 0, 6%, 0.1 W, 0603	0201 0603 0603 0402 0603
44 45 46 47 48 49	R13, R16 R14, R15, R62 R18, R20, R22, R23, R26, R27, R48, R60, R66, R98, R99, R100, R103, R104, R107, R109, R110 R21, R25 R24	3 17 2 1	0 60.4k 19.6k	RC0201FS-7D100KL RT0603BR00740RL RC0603FR-07100KL RC0402JR-070RL  RC0603JR-070RL  RC0603JR-070RL  RC0603JR-070RL RC0603JR-070RL RC0603JR-070RL RC060CJR-070RL	Yageo America	RES. 100 k, 1%, 0.05 W, 0.001 RES. 470, 0.1%, 0.1W, 0.603 RES. 100 k, 1%, 0.1 W, 0.603 RES. 0, 5%, 0.063 W, 0.402  RES. 0, 5%, 0.1 W, 0.603 RES. 0.6 4 k, 0.1%, 0.1 W, 0.603 RES. 10.6 k, 1%, 0.18, 0.063 W, 0.402	0201 0603 0603 0402 0402
44 45 46 47 48	R13, R16 R14, R15, R62 R18, R20, R22, R23, R26, R27, R48, R60, R66, R98, R99, R100, R103, R104, R107, R109, R110	3 17 2 1	470 100k 0 0	RC0201FS-7D100KL RT0603BRD07470RL RC0603FR-07100KL RC0402JR-070RL RC0603JR-070RL	Yageo America Yageo America Yageo America Yageo Yageo America	RES, 100 k, 1%, 0.05 W, 0.201 RES, 470, 0.1%, 0.1 W, 0603 RES, 100 k, 1%, 0.1 W, 0603 RES, 0, 5%, 0.063 W, 0402 RES, 0, 5%, 0.1 W, 0603 RES, 0, 5%, 0.1 W, 0603 RES, 0, 6%, 0.1 W, 0603	0201 0603 0603 0402 0603 0603
44 45 46 47 48 49 50 51	R13, R16 R14, R15, R62 R18, R20, R22, R23, R26, R27, R48, R60, R66, R98, R99, R100, R103, R104, R107, R109, R110 R21, R25 R24 R28 R29 R30, R33	2 1 1 1 1 2	0 60.4k 19.6k 10.0k	RC0201FS-7D100KL RT0603BRD0740RL RC0603FR-07100KL RC0402JR-070RL  RC0603JR-070RL RT0603JR-070RL RT0603BRD0760K4L CRC0W040219K6FKED ERJ-2RKF1002X WSL25125L000FEA	Yageo America Vishay-Dale Panascoric Vishay	RES, 100 k, 1%, 0.05 W, 0.201 RES, 470, 0.1%, 0.1 W, 0603 RES, 100 k, 1%, 0.1 W, 0603 RES, 0, 5%, 0.063 W, 0402  RES, 0, 5%, 0.1 W, 0603 RES, 10, 6 k, 1%, 0.1 W, 0603 RES, 10, 6 k, 1%, 0.063 W, 0402 RES, 10, 6 k, 1%, 0.163 W, 0402 Res Metal Strip 2512 0.005 Ohm 1% 1W 110ppm/C Molded SMD SMD Emboosed Plastic T/R	0201 0603 0603 0402 0603 0402 0603 0603 0402 0402 2512
44 45 46 47 48 49 50	R13, R16 R14, R15, R62 R18, R20, R22, R23, R26, R27, R48, R60, R66, R98, R99, R100, R103, R104, R107, R109, R110 R21, R25 R24 R28 R29 R30, R33 R31, R32, R35,	3 17 2 1 1	470 100k 0 0 0 60.4k 19.6k	RC0201FS-7D100KL RT0603BRD0740RL RC0603FR-07100KL RC0402JR-070RL RC0603JR-070RL RT0603JR-070RL RT0603BRD0760K4L CRC0404219K6FKED EBJ-ZRKF1002X	Yageo America Yageo America Yageo America Yageo America  Yageo America  Yageo America Vistay-Dale Panasonic	RES. 100 k, 1%, 0.05 W, 0.001 RES. 470, 0.1%, 0.1 W, 0.603 RES. 100 k, 1%, 0.1 W, 0.603 RES. 0, 5%, 0.0 W, 0.003 RES. 0.0 k, 1%, 0.003 W, 0.003 RES. 0.0 k, 1%, 0.003 W, 0.003 RES. 0.0 k, 1%, 0.003 W, 0.003 RES. 10 k, 1%, 0.003 W, 0.003 RES. 10 k, 1%, 0.003 W, 0.003 RES. 10 k, 1%, 0.10 W, 0.003	0603 0603 0402 0402 0603 0402 0603 0402 0402
44 45 46 47 48 49 50 51	R13, R16 R14, R15, R82 R18, R20, R22, R23, R26, R27, R48, R60, R86, R98, R99, R100, R103, R104, R107, R109, R110 R21, R25 R24 R29 R30, R33, R33, R31, R32, R35, R36, R35, R35,	3 17 2 1 1 1 2	0 60.4k 19.6k 10.0k	RC0201FS-7D100KL RT0603BRD0740RL RC0603FR-07100KL RC0402JR-070RL RC0603JR-070RL RT0603JR-070RL RT0603BRD0760K4L CRCW040219K6FKED ERJ-2RKF1002X WSL25125L000FEA CRCW06031R0FKEB	Yageo America Yashay-Dale Panascoric Vishay	RES, 100 k, 1%, 0.05 W, 0.001 RES, 470, 0.1%, 0.1 W, 0603 RES, 100 k, 1%, 0.1 W, 0603 RES, 0, 5%, 0.063 W, 0402  RES, 0, 5%, 0.1 W, 0603 RES, 100 k, 1%, 0.1 W, 0603 RES, 104 k, 0.1%, 0.1 W, 0603 RES, 105 k, 1%, 0.063 W, 0402 Res Metal Strip 2512 0.005 Ohm % 1W 110ppm/C Molded SMD SMD Emboosed Plastic T/R RES Thick Film, 100, 1%, 0.1W, 100ppm/C, 0603	0201 0603 0603 0402 0603 0603 0603 0603 0603 0603 0603
44 45 46 47 48 49 50 51	R13, R16 R14, R15, R62 R18, R20, R22, R23, R26, R27, R48, R60, R66, R98, R99, R100, R103, R104, R107, R109, R110 R21, R25 R24 R28 R29 R30, R33 R31, R32, R35,	2 1 1 1 1 2	0 60.4k 19.6k 10.0k	RC0201FS-7D100KL RT0603BRD0740RL RC0603FR-07100KL RC0402JR-070RL  RC0603JR-070RL RT0603JR-070RL RT0603BRD0760K4L CRC0W040219K6FKED ERJ-2RKF1002X WSL25125L000FEA	Yageo America Vishay-Dale Panascoric Vishay	RES, 100 k, 1%, 0.05 W, 0.201 RES, 470, 0.1%, 0.1 W, 0603 RES, 100 k, 1%, 0.1 W, 0603 RES, 0, 5%, 0.063 W, 0402  RES, 0, 5%, 0.1 W, 0603 RES, 10, 6 k, 1%, 0.1 W, 0603 RES, 10, 6 k, 1%, 0.063 W, 0402 RES, 10, 6 k, 1%, 0.163 W, 0402 RES, 10, 6 k, 1%, 0.10 W, 0603 RES, 10, 6 k, 1%, 0.10 W, 0402 Res Metal Strip 2512 0.005 Ohm 1% 1W 110ppm/C Molded SMD SMD Emboosed Plastic T/R	0201 0603 0603 0402 0603 0402 0603 0603 0402 0402 2512
44 45 46 47 48 49 50 51	R13, R16 R14, R15, R62 R18, R20, R22, R23, R26, R27, R48, R60, R66, R98, R99, R100, R103, R104, R107, R109, R110 R21, R25 R24 R28 R29 R30, R33 R31, R32, R35, R36, R37, R43,	3 17 2 1 1 1 2	0 60.4k 19.6k 10.0k	RC0201FS-7D100KL RT0603BRD0740RL RC0603FR-07100KL RC0402JR-070RL RC0603JR-070RL RT0603JR-070RL RT0603BRD0760K4L CRCW040219K6FKED ERJ-2RKF1002X WSL25125L000FEA CRCW06031R0FKEB	Yageo America Yashay-Dale Panascoric Vishay	RES, 100 k, 1%, 0.05 W, 0.001 RES, 470, 0.1%, 0.1 W, 0603 RES, 100 k, 1%, 0.1 W, 0603 RES, 0, 5%, 0.063 W, 0402  RES, 0, 5%, 0.1 W, 0603 RES, 100 k, 1%, 0.1 W, 0603 RES, 104 k, 0.1%, 0.1 W, 0603 RES, 105 k, 1%, 0.063 W, 0402 Res Metal Strip 2512 0.005 Ohm % 1W 110ppm/C Molded SMD SMD Emboosed Plastic T/R RES Thick Film, 100, 1%, 0.1W, 100ppm/C, 0603	0201 0603 0603 0402 0603 0603 0603 0603 0603 0603 0603
44 45 46 47 48 49 50 51 52 53	R13, R16 R14, R15, R62 R18, R20, R22, R23, R26, R27, R48, R60, R66, R89, R99, R100, R103, R104, R107, R109, R110 R21, R25 R24 R28 R30, R33 R31, R32, R35, R36, R37, R43, R44, R49, R50, R54, R55	3 17 2 1 1 1 2 4 8	470 100k 0 0 60.4k 19.6k 10.0k 5m	RC0201FS-7D100KL RT0603BRD0740RL RC0603FR-07100KL RC0603JR-070RL RC0603JR-070RL RT0603BRD0760K4L CRC0W040219K6FKED ERJ-2RKF1002X WSL25125L000FEA CRC0W060310R0FKEB CRCW060310R0FKEB CRCW06037R-075K23L	Yageo America Yashay-Dale Panascoric Vishay Vishay Yageo	RES. 100 k, 1%, 0.05 W, 0.001 RES. 470, 0.1%, 0.1 W, 0603 RES. 100 k, 1%, 0.1 W, 0603 RES. 0, 5%, 0.1 W, 0603 RES. 0, 5%, 0.1 W, 0603 RES. 0.6 J, 0.0	0603 0603 0603 0603 0402 0603 0603 0603 0603 0603 0603
44 45 46 47 48 49 50 51 52 53	R13, R16 R14, R15, R62 R18, R20, R22, R18, R20, R22, R48, R60, R66, R98, R99, R100, R103, R104, R107, R109, R110 R21, R25 R28 R29 R29 R30, R33 R31, R32, R35, R36, R36, R37, R43, R44, R49, R50, R54, R55 R38	3 17 2 1 1 1 2 4 8	470 100k 0 0 60.4k 19.6k 10.0k 5m	RC0201FS-7D100KL RC0603FR-07100KL RC0603FR-07100KL RC0603JR-070RL RC0603JR-070RL RT0603BRD0700KL RT0603BRD0700KL CRCW0603BRD0700KL CRCW0603BRD0700KL CRCW0603BRD0700KL CRCW0603BRD0700KBL CRCW060310R0FKEB CRCW060310R0FKEB CRCW060310R0FKEB CRCW060310R0FKEB ER-3EKF1002V	Yageo America Yageo Yageo America Yageo Parascoric	RES. 100 k, 1%, 0.05 W, 0.021  RES. 470, 0.1%, 0.1 W, 0603  RES. 100 k, 1%, 0.1 W, 0603  RES. 0, 5%, 0.1 W, 0603  RES. 0, 5%, 0.1 W, 0603  RES. 0.0 4 k, 0.1%, 0.1 W, 0603  RES. 0.0 4 k, 0.1%, 0.1 W, 0603  RES. 0.0 1 k, 0.1 W, 0603  RES. 0.0 1 k, 0.1 W, 0603  RES. 10.0 k, 1%, 0.1 W, 0603  RES. 10.0 k, 1%, 0.1 W, 0603  Thick Fim Resistors - SMD 1/10 watt ZEROchm Jumper  RES. 10.2 k, 1%, 0.1 W, 0603  RES. 5.23 k, 1%, 0.1 W, 0603	0603 0603 0603 0603 0402 0402 0402 0402 2512 0603 0603
44 45 46 47 48 49 50 51 52 53 54 55 56	R13, R16 R14, R15, R62 R18, R20, R22, R18, R20, R22, R48, R60, R66, R107, R109, R100, R103, R104, R107, R109, R110 R21, R25 R24 R29 R29 R31, R32, R35, R31, R32, R35, R36, R34, R37, R43, R44, R49, R50, R54, R50, R58, R39 R39 R39	3 17 2 1 1 1 2 4 8	470 100k 0 0 60.4k 19.6k 10.0k 5m	RC0201FS-7D100KL RT06038RD0740FL RC0603FR-07100KL RC0603JR-070RL RT0603JR-070RL RT0603JR-070RL RT0603JR-070RL RT0603JR-070RL RT0603JR-070RL RT0603JR-070RL RT0603JR-070RL RT0603JR-070RL RT0603JR-070RL RT0603JR-075KEB CRCW0603J000Z0EA RC0603FR-075K23L ERJ-3EKF1002V RC0603FR-075K23L ERJ-3EKF1002V	Yageo America Yageo Yageo America Yageo Panasonic Vehay Yageo Panasonic Yageo Panasonic Yageo	RES. 100 k, 1%, 0.05 W, 0.001 RES. 470, 0.1%, 0.1 W, 0603 RES. 100 k, 1%, 0.1 W, 0603 RES. 0, 5%, 0.1 W, 0603 RES. 0, 5%, 0.1 W, 0603 RES. 0, 5%, 0.1 W, 0603 RES. 100 k, 1%, 0.63 W, 0402 RES. 100 k, 1%, 0.1 W, 0603	0603 0603 0603 0603 0603 0603 0603 0603
44 45 46 47 48 49 50 51 52 53 54 55 56 57	R13, R16 R14, R15, R62 R18, R20, R22, R23, R26, R27, R48, R60, R66, R98, R99, R109, R100, R103, R104, R107, R109, R110 R21, R25 R24 R24 R28 R29 R29 R30, R33 R31, R32, R35, R36, R36, R37, R43, R44, R49, R50, R46, R36 R39 R40 R40	3 17 2 1 1 1 2 4 8	470 100k 0 0 0 60.4k 19.6k 10.0k 5m 10 0 5.23k 10.0k 30.1k 1.00k	RC0201FS-7D100KL RC0603FR-07100KL RC0603FR-07100KL RC0603JR-070RL RC0603JR-070RL RT0603BRD0700KL RT0603BRD0700KL CRCW0603BRD0700KL CRCW0603BRD0700KL CRCW0603BRD0700KL CRCW0603BRD0700KBL CRCW060310R0FKEB CRCW060310R0FKEB CRCW060310R0FKEB CRCW060310R0FKEB ER-3EKF1002V	Yageo America Yageo Yageo America Yageo	RES, 100 k, 1%, 0.05 W, 0.021  RES, 470, 0.1%, 0.1 W, 0603  RES, 100 k, 1%, 0.1 W, 0603  RES, 0, 5%, 0.1 W, 0603  RES, 0, 5%, 0.1 W, 0603  RES, 0.5%, 0.1 W, 0603  RES, 10.0 k, 1%, 0.1 W, 0603  RES, 10.0 k, 1%, 0.06 3 W, 0402  RES, 10.0 k, 1%, 0.1 W, 0603  RES, 10.0 k, 1% 0.1 W, 0603	0603 0603 0603 0603 0603 0603 0603 0603
44 45 46 47 48 49 50 51 52 53 54 55 56	R13, R16 R14, R15, R62 R18, R20, R22, R18, R20, R22, R48, R60, R66, R107, R109, R100, R103, R104, R107, R109, R110 R21, R25 R24 R29 R29 R31, R32, R35, R31, R32, R35, R36, R37, R43, R44, R49, R50, R54, R50, R58, R39 R39 R39	3 17 2 1 1 1 2 4 8	470 100k 0 0 60.4k 19.6k 10.0k 5m	RC0201FS-7D100KL RC0603R0740RL RC0603FR-07100KL RC0603FR-07100KL RC0603JR-070RL RT0603BRD0700KL RT0603BRD0700K4L CRC0W004219K0FWED ERJ-2RKF1002X WSL2512L000FEA CRCW0603000020EA RC0603FR-075K23L ERJ-3EKF1002V RC0603FR-075K23L RC0603FR-075K23L RC0603FR-075K23L	Yageo America Yageo Panasonic Yeshay Veshay Veshay Veshay Veshay Yageo Veshay	RES. 100 k, 1%, 0.05 W, 0.001 RES, 470, 0.1%, 0.1 W, 0603 RES, 100 k, 1%, 0.1 W, 0603 RES, 0, 5%, 0.1 W, 0603 RES, 0.5%, 0.1 W, 0603 RES, 0.6 k, 0.1 W, 0603 RES, 0.6 k, 0.1 W, 0603 RES, 0.0 k, 1%, 0.603 W, 0.0402 RES, 10.0 k, 1%, 0.603 W, 0402 RES, 10.0 k, 1%, 0.603 W, 0402 RES, 10.0 k, 1%, 0.1 W, 0603 RES, 10.0 k, 1%, 0.1 W, 0603 RES, 10.0 k, 1%, 0.1 W, 1000 RES Thick Film 10.0 1%, 0.1 W, 1000pm/°C, 0603 Thick Film Resistors - SMD 1/10watt ZEROohm Jumper RES, 5.23 k, 1%, 0.1 W, 0603 RES, 10.0 k, 1%, 0.1 W, 0603 RES, 10.0 k, 1%, 0.1 W, 0603 RES, 30.1 k, 1%, 0.1 W, 0603 RES, 30.8 k, 1%, 0.1 W, 0603	0603 0603 0603 0603 0603 0603 0603 0603
44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60	R13, R16 R14, R15, R62 R18, R20, R22, R18, R20, R22, R48, R60, R66, R103, R104, R107, R109, R110 R21, R25 R24 R29 R29 R39, R39, R30, R31 R31, R32, R35, R31, R32, R35, R34, R37, R43, R44, R40, R50, R45, R50, R45, R50, R46, R47 R46 R47	3 17 2 1 1 1 2 4 8 8	470 100k 0 0 60.4k 19.6k 10.0k 5m 10 0 5.23k 11.00k 30.1k 1.00k 30.1k 1.00k 30.1k 1.00k	RC0201FS-7D100KL RC0603FR-07100KL RC0603FR-07100KL RC0603JR-070RL RC0603JR-070RL RT0603BRD0780K4L RT0603BRD0780K4L RT0603BRD0780K4L RT0603BRD0780K4L RT0603BRD0780K4L RT0603BRD0780K4L RT0603BRD0780K4L RT0603BRD0780K4L RT0603BRD0730K1 RT0603BRD0730K1 RT0603BRD0730K1 RT0603BRD0731K2L RT0603BRD0731K2L RT0603BRD0731K2L	Yageo America	RES. 100 k, 1%, 0.1 W, 0603 RES. 100 k, 1%, 0.1 W, 0603 RES. 100 k, 1%, 0.1 W, 0603 RES. 0, 5%, 0.1 W, 0603 RES. 0, 5%, 0.1 W, 0603 RES. 0, 5%, 0.1 W, 0603 RES. 100 k, 1%, 0.1 W, 0402 RES. 100 k, 1%, 0.1 W, 0603 RES. 301 k, 1%, 0.1 W, 0603 RES. 301 k, 1%, 0.1 W, 0603 RES. 312 k, 0.1 W, 0603	0603 0603 0603 0603 0603 0603 0603 0603 0603 0603 0603 0603 0603 0603 0603 0603
44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61	R13, R16 R14, R15, R62 R16, R20, R22, R18, R20, R22, R48, R60, R66, R67, R107, R109, R110, R103, R104, R107, R109, R110 R21, R25 R29 R30, R33 R31, R32, R35, R31, R32, R35, R34, R35, R34, R36, R37, R43, R44, R49, R50, R54, R55 R59 R59 R59 R59 R59 R59 R59 R59 R59	3 17 2 1 1 1 2 4 8 8	470 100k 0 0 60.4k 19.6k 10.0k 5m 10 0 5.23k 10.0k 30.1k 1.00k 30.1k 1.00k 30.3k 1.00k 30.3k 1.00k 30.3k 1.00k	RC0201FS-7D100KL RC0603FR-07100KL RC0603FR-07100KL RC0603FR-07100KL RC0603JR-070RL RT0603BRD0780K4L RT0603BRD0780K4L CRCW0603JR050FA GRC0603FR-075K2JL ER-1-3EKF1002V RC0603FR-075K2JL RC0603FR-075KZJL RC0603FR-0	Yageo America	RES. 100 k, 1%, 0.1 W, 0603 RES, 100 k, 1%, 0.1 W, 0603 RES, 100 k, 1%, 0.1 W, 0603 RES, 0, 5%, 0.1 W, 0603 RES, 0, 5%, 0.1 W, 0603 RES, 0, 5%, 0.1 W, 0603 RES, 100 k, 1%, 0.1 W, 0603 RES, 106 k, 1%, 0.1 W, 0603 RES, 106 k, 1%, 0.1 W, 0603 RES, 106 k, 1%, 0.1 W, 0603 RES, 108 k, 1%, 0.1 W, 0603 RES, 312 k, 10%, 0.1 W, 0603 RES, 10.1 K, 5%, 0.1 W, 0603 RES, 10.1 K, 5%, 0.1 W, 0603	0603 0603 0603 0603 0603 0603 0603 0603
44 45 46 47 48 49 50 51 52 53 55 56 57 58 59 60 61 62	R13, R16 R14, R15, R62 R18, R20, R22, R18, R20, R22, R48, R60, R66, R107, R109, R100, R103, R104, R107, R109, R110 R21, R25 R24 R29 R29 R39, R39, R30, R33, R31, R32, R35, R34, R37, R43, R44, R49, R50, R54, R57 R44 R45 R47 R45 R46 R47 R47 R45 R46 R47 R51 R52 R57	3 17 2 1 1 1 2 4 8 8	470 100k 0 0 0 90.4k 19.6k 10.0k 5m 10 0 5.23k 10.0k 30.1k 10.0k 30.1k 10.0k 30.1k 11.00k 30.1k 11.00k	RC0201FS-7D100KL RC0603FR-07100KL RC0603FR-07100KL RC0603JR-070RL RC0603JR-070RL RT0603BRD0780K4L RT0603BRD0780K4L RC0603JR-070RL RT0603BRD0780K4L RC0603FR-0750K4L RC0603FR-0750K4L RC0603FR-0750K4L RC0603FR-0750K2L RC0603BRD0731K2L RC0603BRD0731K2L RC0603BRD0731K2L	Yageo America	RES. 100 k, 1%, 0.05 W, 0.001 RES. 470, 0.1%, 0.1 W, 0.603 RES. 100 k, 1%, 0.1 W, 0.603 RES. 100 k, 1%, 0.1 W, 0.603 RES. 0. 5%, 0.1 W, 0.603 RES. 0. 5%, 0.1 W, 0.603 RES. 100 k, 1%, 0.1 W, 0.1 W, 100 ppm/°C, 0.603 Thick Film Resistors - SMD 1/10 watt ZEROohm Jumper RES. 5.23 k, 1%, 0.1 W, 0.603 RES. 100 k, 1%, 0.1 W, 0.603 RES. 100 k, 1%, 0.1 W, 0.603 RES. 13.1 k, 0.1 W, 0.603 RES. 30.1 k, 1%, 0.1 W, 0.603 RES. 30.1 k, 1%, 0.1 W, 0.603 RES. 31.2 k, 0.1 W, 0.003 RES. 31.2 k, 0.1 W, 0.003 RES. 31.2 k, 0.1 W, 0.603 RES. 31.7 k, 0.1 W, 0.603 RES. 31.7 k, 0.1 W, 0.003 RES. 31.7 k, 0.1 W, 0.603 RES. 31.7 k, 0.1 W, 0.603	0603 0603 0603 0603 0603 0603 0603 0603
44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61	R13, R16 R14, R15, R62 R16, R20, R22, R18, R20, R22, R48, R60, R66, R67, R107, R109, R110, R103, R104, R107, R109, R110 R21, R25 R29 R30, R33 R31, R32, R35, R31, R32, R35, R34, R35, R34, R35, R34, R35, R36, R34, R36, R36, R34, R36, R36, R34, R37, R43, R44, R49, R50, R46, R56 R48 R49 R46 R47 R47 R47 R47	3 17 2 1 1 1 2 4 8 8	470 100k 0 0 60.4k 19.6k 10.0k 5m 10 0 5.23k 10.0k 30.1k 1.00k 30.1k 1.00k 30.3k 1.00k 30.3k 1.00k 30.3k 1.00k	RC0201FS-7D100KL RC0603FR-07100KL RC0603FR-07100KL RC0603FR-07100KL RC0603JR-070RL RT0603BRD0780K4L RT0603BRD0780K4L CRCW0603JR050FA GRC0603FR-075K2JL ER-1-3EKF1002V RC0603FR-075K2JL RC0603FR-075KZJL RC0603FR-0	Yageo America	RES, 100 k, 1%, 0.1 W, 0603 RES, 100 k, 1%, 0.1 W, 0603 RES, 100 k, 1%, 0.1 W, 0603 RES, 0, 5%, 0.1 W, 0603 RES, 0, 5%, 0.1 W, 0603 RES, 0, 5%, 0.1 W, 0603 RES, 100 k, 1%, 0.1 W, 0603 RES, 105 k, 1%, 0.1 W, 0603 RES, 312 k, 10%, 0.1 W, 0603 RES, 315 k, 0.1 W, 0603	0603 0603 0603 0603 0603 0603 0603 0603
44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63	R13, R16 R14, R15, R62 R16, R20, R22, R18, R20, R22, R48, R60, R66, R67, R107, R109, R110, R103, R104, R107, R109, R110 R21, R25 R29 R30, R33 R31, R32, R35, R34, R32, R35, R34, R35, R34, R35, R34, R35, R36, R37, R43, R44, R49, R50, R56, R46 R46 R47 R51 R47 R51 R52 R57 R55	3 17 2 1 1 1 1 1 2 4 8 8	470 100k 0 0 0.4k 19.6k 10.0k 5m 10 0 5.23k 10.0k 30.1k 10.0k 30.1k 10.0k 30.1k 11.00k 31.2k 11.37k 30.5k 31.2k 11.37k 30.5k	RC0201FS-7D100KL RC0603JR-070RL RC0603JR-070RL RC0603JR-070RL RC0603JR-070RL RT0603BRD0706KL RT0603BRD0706KL RT0603BRD0706KL RC0603JR-070RL RT0603BRD0706KL CRCW06031R0FFKEB CRCW06031R0FFKEB CRCW06031R0FFKEB CRCW06031R0FFKEB CRCW0603R070FKEB CRCW0603R070FKEAC RT0603BRD073HKZL CRCW0603R1R0JR0KL RT0603BRD073HKZL CRCW0603R1R0JR0KL RT0603BRD073HKZL CRCW0603R1R0JR0KL RT0603BRD073HKZL CRCW0603R1R0JR0KL RT0603BRD073HKZL RT0603BRD073HKZL RT0603BRD073HKZL RT0603BRD073HKZL RT0603BRD073HKZL	Yageo America	RES. 100 k, 1%, 0.05 W, 0201 RES. 470, 0.1%, 0.1 W, 0603 RES. 100 k, 1%, 0.1 W, 0603 RES. 100 k, 1%, 0.1 W, 0603 RES. 0.5%, 0.1 W, 0603 RES. 0.6 k, 0.1 W, 0603 RES. 0.0 k, 1%, 0.1 W, 0603 RES. 0.0 k, 1%, 0.1 W, 0603 RES. 10.0 k, 1%, 0.1 W, 0603 RES. 30.1 k, 0.1 W, 0603 RES. 30.1 k, 0.1 W, 0.003	0603 0603 0603 0603 0603 0603 0603 0603
44 45 46 46 47 48 49 49 50 51 52 53 54 55 55 56 60 61 62 63 64 66 66	R13, R16 R14, R15, R62 R18, R20, R22, R18, R20, R22, R48, R60, R66, R27, R48, R60, R66, R107, R109, R110, R21, R25 R24 R29 R29 R31, R32, R35, R31, R32, R35, R31, R32, R35, R31, R32, R35, R36, R37, R43, R44, R57, R43, R44, R57, R43, R44, R57, R43, R47, R48, R51, R52, R54, R57, R58, R54, R57, R58, R57, R58, R57, R58, R58, R59, R59, R59, R59, R59, R59, R59, R59	3 17 2 1 1 1 1 2 4 8 8 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	470 100k 0 0 60.4k 19.6k 10.0k 5.23k 10.0k 5.23k 10.0k 30.1k 1.00k 31.2k 1.13.7k 30.5k 30.5k 30.5k 30.5k 30.5k 30.5k 30.5k 30.5k	RC0201FS-7D100KL RC0603FR-07100KL RC0603FR-07100KL RC0603FR-07100KL RC0603JR-070RL RT0603BRD0700KL RT0603BRD0700KL RT0603BRD0700KL RT0603BRD0700KL RC0603FR-0700KL RC0603FR-0700KL RC0603FR-075K23L RC0603FR-0730K1 RC0603FR-0730K1 RC0603FR-0730K1 RT0603BRD0730KSL	Yageo America	RES. 100 k, 1%, 0.1 W, 0603 RES. 100 k, 1%, 0.1 W, 0603 RES. 100 k, 1%, 0.1 W, 0603 RES. 0, 5%, 0.1 W, 0603 RES. 0, 0.1 W, 0.1 W, 0603 RES. 10, 0.1 W, 0.1 W, 0402 RES. 10, 0.1 W, 0.1 W, 0402 RES. 10, 0.1 W, 0.1 W, 0402 RES. 10, 0.1 W, 0.1 W, 0603 RES. 30, 1.1 W, 0.1 W, 0603	0201 0603 0603 0603 0603 0603 0603 0603 06
47 46 46 47 47 48 49 50 51 51 52 53 55 56 66 62 63 66 66 67	R13, R16 R14, R15, R62 R18, R20, R22, R18, R20, R22, R48, R60, R66, R17, R18, R19, R19, R107, R109, R100, R103, R104, R107, R109, R110, R21, R25 R24 R24 R25 R30, R33 R31, R32, R35, R36 R34, R37, R43, R44, R49, R50, R54, R55 R39 R40 R45 R47 R47 R46 R47 R47 R47 R47 R47 R48 R59	3 17 2 1 1 1 2 4 8 8 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	470 100k 0 0 0 00.4k 19.6k 19.6k 5.23k 10.0k 5.23k 11.00h 11.00h 31.2k 2.49k 13.7k 13.7k 13.0k 13.0k 13.0k	RC0201FS-70100KL RC0603JR-070RL RC0603JR-070RL RC0603JR-070RL RC0603JR-070RL RT0603BRD0700K4L RT0603BRD0700K4L CRCW0603BRD0700K4L CRCW0603BRD0700K4L CRCW0603BRD0700K4L CRCW06031000FE RSI-2RKF1002X RC0603FR-075K2JL ERJ-3EKF1002Y RC0603FR-075K2JL ERJ-3EKF1002Y RC0603FR-075K2JL ERJ-3EKF1002Y RC0603FR-075K2JL ERJ-3EKF1002Y RC0603FR-075K2JL ERJ-3EKF1002Y RC0603FR-075K2JL RT0603BRD0731K2L CRCW0603TR0073BRD0731K2L RT0603BRD0731K2L RT0603BRD0731K2L RT0603BRD0731K2L RT0603BRD0731K2L RT0603BRD0731K2L RT0603BRD0731K2L RC06W0603TR10WEA	Yageo America Yageo Yageo America Yageo	RES. 100 k, 1%, 0.05 W, 0.001 RES, 470, 0.1%, 0.1 W, 0.603 RES, 100 k, 1%, 0.1 W, 0.603 RES, 100 k, 1%, 0.1 W, 0.603 RES, 0.5%, 0.1 W, 0.603 RES, 0.5%, 0.1 W, 0.603 RES, 0.60 k, 0.1 W, 0.603 RES, 0.60 k, 0.1 W, 0.603 RES, 10.0 k, 1%, 0.603 W, 0.402 RES, 10.0 k, 1%, 0.1 W, 0.1 W, 100ppm/°C, 0.603 Thick Film Resistors - SMD 1/10watt ZEROchm Jumper RES, 5.23 k, 1%, 0.1 W, 0.603 RES, 30.1 k, 0.1 W, 0.003 RES, 30.1 k, 0.1 W, 0.603 RES, 30.1 k, 0.1 W, 0.603 RES, 30.1 k, 0.1 W, 0.003 Thick Film Resistors - SMD 1/8watt ZEROchm Jumper RES, 3.0 k, 0.1 W, 0.1 W, 0.603 Thick Film Resistors - SMD 1/8watt ZEROchm Jumper RES, 3.0 1 k, 0.1 W, 0	0603 0603 0603 0603 0603 0603 0603 0603
44 45 46 46 47 48 49 49 50 51 52 53 54 55 55 56 60 61 62 63 64 66 66	R13, R16 R14, R15, R62 R18, R20, R22, R18, R20, R22, R48, R60, R66, R17, R48, R60, R66, R107, R109, R110, R21, R25 R24 R29 R29 R31, R32, R35, R31, R32, R35, R31, R32, R35, R31, R32, R35, R36, R37, R43, R48, R50, R54, R55 R54 R57 R56 R57 R57 R58 R57 R58 R58 R59	3 17 2 1 1 1 2 4 8 8 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	470 100k 0 0 60.4k 19.6k 10.0k 5.23k 10.0k 5.23k 10.0k 30.1k 1.00k 31.2k 1.13.7k 30.5k 30.5k 30.5k 30.5k 30.5k 30.5k 30.5k 30.5k	RC0201FS-7D100KL RC0603FR-07100KL RC0603FR-07100KL RC0603FR-07100KL RC0603JR-070RL RT0603BRD0700KL RT0603BRD0700KL RT0603BRD0700KL RT0603BRD0700KL RC0603FR-0700KL RC0603FR-0700KL RC0603FR-075K23L RC0603FR-0730K1 RC0603FR-0730K1 RC0603FR-0730K1 RT0603BRD0730KSL	Yageo America	RES. 100 k, 1%, 0.1 W, 0603 RES. 100 k, 1%, 0.1 W, 0603 RES. 100 k, 1%, 0.1 W, 0603 RES. 0, 5%, 0.1 W, 0603 RES. 0, 0.1 W, 0.1 W, 0603 RES. 10, 0.1 W, 0.1 W, 0402 RES. 10, 0.1 W, 0.1 W, 0402 RES. 10, 0.1 W, 0.1 W, 0402 RES. 10, 0.1 W, 0.1 W, 0603 RES. 30, 1.1 W, 0.1 W, 0603	0201 0603 0603 0603 0603 0603 0603 0603 06
447 446 446 447 448 449 550 551 552 553 554 555 566 60 60 645 666 667 668	R13, R16 R14, R15, R62 R18, R20, R22, R23, R26, R27, R48, R60, R66, R107, R109, R100, R103, R104, R107, R109, R110 R21, R25 R29 R30, R33 R31, R32, R35, R36 R34, R37, R43, R36, R37, R43, R44, R49, R50, R54, R55 R44, R49, R50, R56, R56 R57, R58 R59 R59 R50 R51, R51, R52, R55 R57 R57 R58 R59	3 17 2 1 1 1 2 4 8 8 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	470 100k 0 0 0 0.4k 19.9k 110.0k 5m 10 0 5.23k 110.0k 31.2k 11.00k 31.2k 11.00k 31.2k 11.00k 31.2k 11.00k 31.2k 11.00k 31.2k 11.00k 31.	RC0201FS-7D100KL RC0603JR-070RL RC0603JR-070RL RC0603JR-070RL RT0603BRD0750KL RT0603BRD0750KL RT0603BRD0750KL RT0603BRD0750KL RT0603BRD0750K4L CRCW060310R0FKEB CRCW060310R0FKEB CRCW06030000Z0EA RC0603FR-075KZ3L ERL3EKF1002V RC0603FR-075KZ3L ERL3EKF1002V RC0603FR-075KZ3L ERL3EKF1002V RC0603FR-075KZ3L ERL3EKF1002V RC0603FR-075KZ3L ERL3EKF1002V RC0603FR-075KZ3L ERL3EKF1002V RC0603FR-075KZ3L CRCW06031R073KLL CRCW06031R073KLL CRCW06031R0073KLL CRCW0635R0073KLL RC0603FR-0710KSL	Yageo America Yageo Yeshay Veshay Veshay Veshay Yageo Yageo America	RES. 100 k, 1%, 0.05 W, 0.001 RES. 470, 0.1%, 0.1 W, 0.603 RES. 100 k, 1%, 0.603 W, 0.402 RES. 100 k, 1%, 0.1 W, 0.603 RES. 100 k, 1%, 0.1 W, 0.603 Thick Fifm Resistors - SMD 1/10 watt ZEROchrm Jumper RES. 5.23 k, 1%, 0.1 W, 0.603 RES. 301 k, 0.1 W, 0.003	0603 0603 0603 0603 0603 0603 0603 0603
44 45 46 47 48 49 50 51 51 52 53 55 56 60 61 62 63 64 65 66 67 68	R13, R16 R14, R15, R62 R18, R20, R22, R18, R20, R22, R48, R60, R66, R17, R48, R60, R66, R107, R109, R110, R21, R25 R24 R29 R29 R31, R32, R35, R31, R32, R35, R31, R32, R35, R31, R32, R35, R36, R37, R43, R48, R50, R54, R55 R54 R57 R56 R57 R57 R58 R57 R58 R58 R59	3 17 2 1 1 1 2 4 8 8 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	470 100k 0 0 0 00.4k 19.6k 19.6k 5.23k 10.0k 5.23k 11.00h 11.00h 31.2k 2.49k 13.7k 13.7k 13.0k 13.0k 13.0k	RC0201FS-70100KL RC0603JR-070RL RC0603JR-070RL RC0603JR-070RL RC0603JR-070RL RT0603BRD0700K4L RT0603BRD0700K4L CRCW0603BRD0700K4L CRCW0603BRD0700K4L CRCW0603BRD0700K4L CRCW06031000FE RSI-2RKF1002X RC0603FR-075K2JL ERJ-3EKF1002Y RC0603FR-075K2JL ERJ-3EKF1002Y RC0603FR-075K2JL ERJ-3EKF1002Y RC0603FR-075K2JL ERJ-3EKF1002Y RC0603FR-075K2JL ERJ-3EKF1002Y RC0603FR-075K2JL RT0603BRD0731K2L CRCW0603TR0073BRD0731K2L RT0603BRD0731K2L RT0603BRD0731K2L RT0603BRD0731K2L RT0603BRD0731K2L RT0603BRD0731K2L RT0603BRD0731K2L RC06W0603TR10WEA	Yageo America Yageo Yashay Vishay Vis	RES, 100 k, 1%, 0.1 W, 0603 RES, 100 k, 1%, 0.1 W, 0603 RES, 0, 5%, 0.1 W, 0603 RES, 0, 5%, 0.1 W, 0603 RES, 0.5%, 0.0 W,	0603 0603 0603 0603 0603 0603 0603 0603
447 446 446 447 448 449 550 551 552 553 554 555 566 60 60 645 666 667 668	R13, R16 R14, R15, R62 R16, R20, R22, R18, R20, R22, R48, R60, R66, R67, R68, R69, R103, R104, R107, R109, R110 R21, R25 R29 R30, R33 R31, R32, R35, R31, R32, R32, R31, R32, R35, R31, R32, R32, R31, R32, R35, R31, R32, R32, R31, R3	3 17 2 1 1 1 2 4 8 8 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	470 100k 0 0 0 00.4k 19.6k 110.0k 5m 10 0 5.23k 11.10.0k 30.1k 11.00Meg 383k 31.2k 1.1 13.7k 30.5k 13.05k 30.6k 13.05k	RC0201FS-7D100KL RC0603FR-07100KL RC0603FR-07100KL RC0603FR-07100KL RC0603FR-07100KL RC0603FR-070RL RC0603FR-070RL RC0603FR-070KL RC0603FR-070KL RC0603FR-070KL RC0603FR-075KSJL RC0603FR-075KSJL RC0603FR-0736KL	Yageo America Yageo Yashay Vishay Vishay Yageo Panasonic Yageo America	RES, 100 k, 1%, 0.1 W, 0603 RES, 100 k, 1%, 0.1 W, 0603 RES, 0, 5%, 0.1 W, 0603 RES, 0, 5%, 0.1 W, 0603 RES, 0.5%, 0.1 W, 0603 RES, 0.0 k, 1%, 0.0 R,	0603 0603 0603 0603 0603 0603 0603 0603
447 446 446 447 448 449 550 551 552 553 554 555 556 65 663 664 665 666 667 668	R13, R16 R14, R15, R62 R18, R20, R22, R18, R20, R22, R48, R60, R66, R67, R19, R19, R109, R103, R104, R107, R109, R103, R104, R107, R109, R103, R104, R107, R109, R103, R104, R21, R25 R24, R25 R30, R33, R31, R32, R35, R39, R31, R32, R35, R39, R39, R34, R37, R43, R44, R49, R50, R54, R55 R39, R39, R39, R39, R39, R39, R39, R39,	3 17 2 1 1 1 1 1 2 4 8 8	470 100k 0 0 60.4k 119.6k 10.0k 5.23k 10.0k 5.23k 10.0k 10.0k 5.23k 11.00k 30.1k 1.00k 31.2k 11.00k 31.2k 11.00k 31.2k 11.00k 31.2k 11.00k 31.2k	RC0201FS-7D100KL RC0603JR-070RL RC0603JR-070RL RC0603JR-070RL RC0603JR-070RL RT0603BRD0780K4L RT0603BRD0780K4L RT0603BRD0780K4L RT0603BRD0780K4L CRCW060310R0FKEB CRCW060310R0FKEB CRCW060310R0FKEB CRCW060310R0FKEB CRCW060310R0FKEB RC0603FR-0736K1 RC0603FR-0736K1 RT0603BRD0731K2L CRCW060310R0FKEB RT0603BRD0731K2L CRCW060310R0FKEB RT0603BRD0731K2L RT0603BRD0731K2L CRCW06031K0JR5K1 RT0603BRD0731K2L CRCW06031K0JR5K1 RT0603BRD0731K2L CRCW06031K0JR5K1 RT0603BRD0731K2L CRCW06031K0JR5K1 RT0603BRD0731K2L RC0603FR-073K6L	Yageo America	RES. 100 k, 1%, 0.10 W, 0603 RES. 100 k, 1%, 0.11 W, 0603 RES. 100 k, 1%, 0.11 W, 0603 RES. 100 k, 1%, 0.11 W, 0603 RES. 100 k, 1%, 0.12 W, 0603 RES. 100 k, 1%, 0.13 W, 0603 RES. 100 k, 1%, 0.14 W, 0603 RES. 100 k, 1%, 0.18 W, 0603 RES. 100 k, 1%, 0.0603 W, 0603	0603 0603 0603 0603 0603 0603 0603 0603
44 45 46 47 48 48 49 50 51 52 53 55 56 60 60 61 62 63 64 65 66 66 67 70 71	R13, R16 R14, R15, R62 R16, R20, R22, R23, R26, R27, R48, R60, R66, R67, R68, R103, R104, R107, R109, R110 R21, R25 R29 R30, R33, R34 R31, R32, R35, R34, R37, R43, R44, R49, R50, R54, R55 R57, R58, R59, R69, R67, R68, R69, R71 R67, R69, R69, R71 R67, R69, R69, R71 R67, R69, R69, R71 R67, R69, R69, R71 R67, R68, R69, R71 R67, R108	3 17 2 1 1 1 1 2 1 1 1 1 1 1 1 1 1 1 1 1	470 100k 0 0 0 60.4k 19.6k 110.0k 5m 10 0 5.23k 11.10.0k 30.1k 11.00Neg 38.3k 1.1 1.00Neg 38.3k 1.00k 1.00k 2.49k	RC0201FS-7D100KL RC0603FR-07100KL RC0603FR-07100KL RC0603FR-07100KL RC0603FR-07100KL RC0603FR-070RL RT0603BRD0780KL RT0603BRD0780KL RT0603BRD0780KL RC0603FR-0750KL RC0603FR-0750KSL RC0603FR-0750KSL RC0603FR-0750KSL RC0603FR-0730K1L RC0603FR-0730K1 RC0603FR-0730K1 RC0603FR-0730K1 RC0603FR-0730K1 RC0603FR-0730K1 RC0603FR-0730K1 RC0603FR-0730K1 RC0603FR-0730K1 RRC0603FR-0730K1 RRC	Yageo America Yageo Yashay Vishay Vishay Yageo Panasonic Yageo America	RES. 100 k, 1%, 0.19 W, 0603 RES. 100 k, 1%, 0.1 W, 0603 RES. 31 k, 10 k, 0.1 W, 0603 RES. 31 k, 0.1 W, 0603 RES. 31 k, 0.1 W, 0603 RES. 31 k, 0.1 W, 0.1 W, 0.003 RES. 31 k, 0.1 W, 0.003 RES. 31 k, 0.1 W, 0.003 RES. 31 k, 0.1 W, 0.003	0603 0603 0603 0603 0603 0603 0603 0603
47 46 46 47 48 49 50 51 51 52 53 55 56 66 67 68 69 70 71 72 73	R13, R16 R14, R15, R62 R18, R20, R22, R18, R20, R22, R48, R60, R66, R50, R66, R103, R104, R107, R109, R110 R21, R25 R24 R29 R30, R33 R31, R32, R35, R36, R37, R43, R44, R49, R50, R54, R55 R38 R39 R40 R45 R47 R55 R67 R68 R67 R67 R68 R69 R67 R67 R69 R67 R67 R71 R71 R71 R71 R108 R105, R106 R101, R102 R105, R106 R105, R106 R101, R102 R105, R106 R105, R106 R101, R102 R105, R106	3 17 2 2 1 1 1 1 2 4 8 8 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	470 100k 0 0 0 60.4k 19.6k 110.0k 5m 10 0 5.23k 11.10.0k 30.1k 11.00Neg 38.3k 1.1 1.00Neg 38.3k 1.00k 1.00k 2.49k	RC0201FS-7D100KL RC0603JR-070RL RC0603JR-070RL RC0603JR-070RL RC0603JR-070RL RT0603BRD0750KL RT0603BRD0750KL RT0603BRD0750KL RC0603JR-070RL RT0603BRD0750K4L CRCW060310R0FKEB CRCW060310R0FKEB CRCW060310R0FKEB CRCW060300020EA RC0603FR-073KC3 RC0603FR-073KC1 RT0603BRD073JKC1 RT060	Yageo America	RES. 100 k, 1%, 0.10 W, 0603 RES. 100 k, 1%, 0.11 W, 0603 RES. 100 k, 1%, 0.11 W, 0603 RES. 100 k, 1%, 0.11 W, 0603 RES. 100 k, 1%, 0.12 W, 0603 RES. 100 k, 1%, 0.13 W, 0603 RES. 100 k, 1%, 0.14 W, 0603 RES. 100 k, 1%, 0.18 W, 0603 RES. 100 k, 1%, 0.063 W, 0602	0603 0603 0603 0603 0603 0603 0603 0603
44 45 46 47 48 49 50 51 52 53 54 55 56 67 68 68 69 69 70 77 77	R13, R16 R14, R15, R62 R18, R20, R22, R28, R20, R22, R28, R27, R48, R60, R66, R66, R107, R109, R103, R104, R107, R109, R103, R104, R107, R109, R103, R104, R21, R25 R24 R25 R26 R27 R30, R33 R31, R32, R35, R39 R31, R32, R35, R39 R34, R37, R43, R37, R43, R37, R43, R50, R54, R55 R34, R55 R35, R36, R56, R56 R47 R45 R47 R45 R46 R47 R47 R56 R67 R68 R67 R68 R67 R67 R68 R67 R67 R68 R69 R70 R71 R71 R687, R108 R101, R102 R71, R108 R101, R102 R101, R102 R105, R106	3 17 2 1 1 1 1 2 2 8 8 1 1 1 1 1 1 1 1 1 1 1	470 100k 0 0 0 60.4k 19.6k 110.0k 5m 10 0 5.23k 11.10.0k 30.1k 11.00Neg 38.3k 1.1 1.00Neg 38.3k 1.00k 1.00k 2.49k	RC0201FS-7D100KL RC0603JR-070RL RC0603JR-070RL RC0603JR-070RL RC0603JR-070RL RT0603BRD0780K4L RT0603BRD0780K4L RT0603BRD0780K4L RT0603BRD0780K4L CRCW060310R0FKEB CRCW060310R0FKEB CRCW060310R0FKEB CRCW060310R0FKEB CRCW060310R0FKEB RC0603FR-0736K1 RC0603FR-0736K1 RT0603BRD0731K2L CRCW060310R0FKEB RT0603BRD0731K2L CRCW060310R0FKEB RT0603BRD0731K2L RT0603BRD0731K2L CRCW06031K0JR5K1 RT0603BRD0731K2L CRCW06031K0JR5K1 RT0603BRD0731K2L CRCW06031K0JR5K1 RT0603BRD0731K2L CRCW06031K0JR5K1 RT0603BRD0731K2L RC0603FR-073K6L	Yageo America	RES. 100, k, 1%, 0.05 W, 0201 RES. 470, 0.1%, 0.1 W, 0603 RES. 100, k, 1%, 0.63 W, 0402 RES. 10.0 k, 1%, 0.63 W, 0402 RES. 10.0 k, 1%, 0.1 W, 0603 RES. 100, k, 1%, 0.1 W, 0603 RES. 301, k, 1%, 0.1 W, 0603 RES. 300, k, 1	0603 0603 0603 0603 0603 0603 0603 0603
47 46 46 47 48 49 50 51 51 55 55 56 67 67 68 68 68 68 68 68 68 68 68 68 68 68 68	R13, R16 R14, R15, R62 R18, R20, R22, R18, R20, R22, R48, R60, R66, R27, R48, R60, R66, R107, R109, R100, R103, R104, R107, R109, R110 R21, R25 R24 R28 R29 R39, R30, R33 R31, R32, R35, R36 R34, R37, R43, R44, R49, R50, R54, R55 R58 R39 R40 R45 R47 R57 R58 R67 R67 R67 R67 R67 R67 R77 R77 R77 R77	3 17 2 1 1 1 1 2 4 8 8 8 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	470 100k 0 0 0 60.4k 19.6k 110.0k 5m 10 0 5.23k 11.10.0k 30.1k 11.00Neg 38.3k 1.1 1.00Neg 38.3k 1.00k 1.00k 2.49k	RCO201FS-7D100KL RCO203FS-7D100KL RCO603JR-070RL RCO603JR-070RL RCO603JR-070RL RT0603BRD0750KL RT0603BRD0750KL RT0603BRD0750KL RT0603BRD0750KL RCO603JR-070RL RT0603BRD0750KL RCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC	Yageo America Ya	RES. 100 k, 1%, 0.1W, 0603 RES. 100 k, 1%, 0.1W, 0603 RES. 0, 5%, 0.1W, 0603 RES. 100 k, 1%, 0.1W, 0603 RES. 100 k, 1%, 0.0E3 W, 0.0E3 RES. 100 k, 1%, 0.1W, 0603 RES. 100 k, 1%, 0.0E3 W, 0603 RES. 100 k, 0.0E3 W, 0603	0201 0603 0603 0603 0603 0603 0603 0603 06
44 45 46 46 47 48 49 50 50 51 51 52 53 55 56 66 67 68 69 70 71 71 72 73	R13, R16 R14, R15, R62 R18, R20, R22, R18, R20, R22, R48, R60, R66, R50, R66, R103, R104, R107, R109, R110 R21, R25 R24 R29 R30, R33 R31, R32, R35, R36, R37, R43, R44, R49, R50, R54, R55 R38 R39 R40 R45 R47 R55 R67 R68 R67 R67 R68 R69 R67 R67 R69 R67 R67 R71 R71 R71 R71 R108 R105, R106 R101, R102 R105, R106 R105, R106 R101, R102 R105, R106 R105, R106 R101, R102 R105, R106	3 17 2 2 1 1 1 1 2 4 8 8 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	470 100k 0 0 0 60.4k 19.6k 110.0k 5m 10 0 5.23k 11.10.0k 30.1k 11.00Neg 38.3k 1.1 1.00Neg 38.3k 1.00k 1.00k 2.49k	RC0201FS-7D100KL RC0603JR-070RL RC0603JR-070RL RC0603JR-070RL RC0603JR-070RL RT0603BRD0750KL RT0603BRD0750KL RT0603BRD0750KL RC0603JR-070RL RT0603BRD0750K4L CRCW060310R0FKEB CRCW060310R0FKEB CRCW060310R0FKEB CRCW060300020EA RC0603FR-073KC3 RC0603FR-073KC1 RT0603BRD073JKC1 RT060	Yageo America	RES. 100 k, 1%, 0.1 W, 0603 RES. 100 k, 1%, 0.63 W, 0402 RES. 100 k, 1%, 0.63 W, 0402 RES. 100 k, 1%, 0.1 W, 0603 RES. 100 k, 1%, 0.1 W, 0603	0201 0603 0603 0603 0603 0603 0603 0603 06
47 46 46 47 48 48 49 50 51 52 53 55 55 56 66 66 66 67 68 68 69 69 77 77 77	R13, R16 R14, R15, R62 R18, R20, R22, R18, R20, R22, R48, R60, R66, R58, R98, R99, R100, R103, R104, R107, R109, R110 R21, R25 R29 R30, R33 R31, R32, R35, R36, R37, R43, R44, R49, R50, R54, R55 R39 R44, R49, R50, R54, R55 R57 R67, R68, R69, R77 R61 R63, R64 R65, R68, R69, R70 R71 R108 R105, R106 R101, R102 R105, R106 U1 U2 U3	3 17 2 2 1 1 1 1 2 8 8 8 1 1 1 1 1 1 1 1 1 1	470 100k 0 0 0 60.4k 19.6k 110.0k 5m 10 0 5.23k 11.10.0k 30.1k 11.00Neg 38.3k 1.1 1.00Neg 38.3k 1.00k 1.00k 2.49k	RC0201FS-7D100KL RC0603JR-070RL RC0603JR-070RL RC0603JR-070RL RC0603JR-070RL RT0603BRD0700KL RT0603BRD0700KL RT0603BRD0700KL RC0603JR-070RL RT0603BRD0700KL RC0603GRD0700KL RC0603GRD0700KL CRCW0603000020EA RC0603FR-075K23L ERJ-3EKF1002V RC0603FR-075K23L ERJ-3EKF1002V RC0603FR-075K23L RC0603FR-075K25L RC0603FR-07	Yageo America Yageo Panasonic Yeshay Veshay Veshay Veshay Veshay Yageo America Yageo Veshay V	RES. 100 k, 1%, 0.05 W, 0.001 RES. 470.0 1.4%, 0.1 W, 0.603 RES. 100 k, 1%, 0.603 W, 0.402 RES. 100 k, 1%, 0.603 W, 0.402 RES. 100 k, 1%, 0.603 W, 0.402 RES. 100 k, 1%, 0.1 W, 0.603 RES. 100	0603 0603 0603 0603 0603 0603 0603 0603
44 45 46 47 48 48 49 49 50 51 51 52 53 55 56 60 61 62 63 64 66 67 70 77 73 74	R13, R16 R14, R15, R82 R14, R15, R82 R18, R20, R22, R48, R80, R86, R27, R48, R80, R86, R103, R104, R107, R109, R110 R21, R25 R24 R29 R30, R33 R31, R32, R35, R31, R32, R32, R31, R32, R32, R31, R32, R32, R31, R32, R32,	3 17 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	470 100k 0 0 0 60.4k 19.6k 110.0k 5m 10 0 5.23k 11.10.0k 30.1k 11.00Neg 38.3k 1.1 1.00Neg 38.3k 1.00k 1.00k 2.49k	RC0201F8-7D100KL RC0603F8-07100KL RC0603F8-07100KL RC0603F8-07100KL RC0603F8-07100KL RC0603F8-070RL RT0603BRD0700KL RT0603BRD0700KL RT0603BRD0700KL RT0603BRD0700KL CRCW06031000FEA CRCW060310R6FKEB CRCW060310R0713KL CRCW060310R0713KL RC0603FR073KSL RC0603FR073	Yageo America Yageo Parascoric Vishay	RES. 100 k, 1%, 0.1W, 0603 RES. 100 k, 0.1W, 0603 RES. 100 k, 1%, 0.0W, 0003 RES. 100 k, 1%, 0.0W, 000	0201 0603 0603 0603 0603 0603 0603 0603 06
47 46 46 47 48 48 49 50 51 51 52 53 55 56 57 57 58 60 61 62 62 63 64 66 67 70 77 73 74 75	R13, R16 R14, R15, R62 R16, R20, R22, R18, R20, R22, R48, R60, R66, R67, R68, R69, R103, R104, R107, R109, R110 R21, R25 R24 R28 R29 R30, R33 R31, R32, R35, R34, R40, R65, R44, R40, R60, R44, R40, R60, R44, R40, R60, R44, R46, R60, R46, R57, R68, R69, R47 R57, R68, R69, R70 R67, R68, R69, R70 R101, R102 R10	3 17 2 2 1 1 1 1 2 4 8 8 8 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	470 100k 0 0 0 60.4k 19.6k 110.0k 5m 10 0 5.23k 11.10.0k 30.1k 11.00Neg 38.3k 1.1 1.00Neg 38.3k 1.00k 1.00k 2.49k	RCO201FS-7D100KL RCO203FS-07100KL RCO603JR-070RL RCO603JR-070RL RCO603JR-070RL RT0603BRD0750KL RT0603BRD0750KL RT0603BRD0750KL RT0603BRD0750KL RCCRW060310R0FKEB CRCW060310R0FKEB RCCW060310R0FKEB RCCW060310R0FKEB RCCW060310R0FKEB RT0603BRD0731KL RT0603BRD0731KL RCCW06031KD0731KL RCCW06031KD07	Yageo America Ya	RES. 100 k, 1%, 0.05 W, 0201 RES. 470, 0.1%, 0.1 W, 0603 RES. 100 k, 1%, 0.1 W, 0603	0201 0603 0603 0603 0603 0603 0603 0603 06
44 45 46 47 48 48 49 49 50 51 55 55 56 60 67 61 62 63 64 66 67 70 77 73 74	R13, R16 R14, R15, R82 R14, R15, R82 R18, R20, R22, R48, R80, R86, R27, R48, R80, R86, R103, R104, R107, R109, R110 R21, R25 R24 R29 R30, R33 R31, R32, R35, R31, R32, R32, R31, R32, R32, R31, R32, R32, R31, R32, R32,	3 17 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	470 100k 0 0 0 60.4k 19.6k 110.0k 5m 10 0 5.23k 11.10.0k 30.1k 11.00Neg 38.3k 1.1 1.00Neg 38.3k 1.00k 1.00k 2.49k	RC0201F8-7D100KL RC0603F8-07100KL RC0603F8-07100KL RC0603F8-07100KL RC0603F8-07100KL RC0603F8-070RL RT0603BRD0700KL RT0603BRD0700KL RT0603BRD0700KL RT0603BRD0700KL CRCW06031000FEA CRCW060310R6FKEB CRCW060310R0713KL CRCW060310R0713KL RC0603FR073KSL RC0603FR073	Yageo America	RES. 100 k, 1%, 0.05 W, 0.001 RES. 470.0 1.1%, 0.1 W, 0.603 RES. 100 k, 1%, 0.603 W, 0.402 RES. 100 k, 1%, 0.603 W, 0.402 RES. 100 k, 1%, 0.603 W, 0.402 RES. 100 k, 1%, 0.1 W, 0.603 RES. 100 k, 1%, 0.1 W, 0.603 RES. 100 k, 1%, 0.1 W, 0.603 Thick Film Resistors - SMD 1/10watt ZEROchm Jumper RES. 5.23 k, 1%, 0.1 W, 0.603 RES. 100 k, 1%, 0.0 W, 0.603 RES. 100 k, 1	0201 0603 0603 0603 0603 0603 0603 0603 06
44 45 46 47 48 48 49 49 50 51 52 53 55 56 56 60 61 62 63 63 70 64 71 72 73 74 75 76	R13, R16 R14, R15, R62 R16, R20, R22, R23, R26, R27, R48, R60, R66, R67, R68, R69, R67, R68, R69, R67, R68, R69, R67, R69, R66, R67, R68, R69, R71 R97, R108 R101, R102 R101, R102 R103, R104 R104 R104 R105, R104 R105, R104 R105,	3 17 2 1 1 1 1 2 4 8 8 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	470 100k 0 0 0 60.4k 19.6k 110.0k 5m 10 0 5.23k 11.10.0k 30.1k 11.00Neg 38.3k 1.1 1.00Neg 38.3k 1.00k 1.00k 2.49k	RCO201FS-7D100KL RCO203FR-07100KL RCO603FR-07100KL RCO603FR-07100KL RCO603FR-07100KL RCO603FR-07100KL RTO603BRD0750KL RTO603BRD0750KL RTO603BRD0750KL RCO603FR-075KED RCCRW6063900002EA RCO603FR-0750KL RCO603	Yageo America Yageo Panascoric Vishay	RES. 100 k, 1%, 0.1W, 0603 RES. 100 k, 1%, 0.063 W, 0402 RES. 100 k, 100 k, 0.063 W, 0402 RES. 100 k, 0.063 W, 0402	0201 0603 0603 0603 0603 0603 0603 0603 06
47 46 46 47 48 49 50 51 52 53 55 56 67 77 68 69 70 71 72 73 74 75 76 77 78	R13, R16 R14, R15, R62 R18, R20, R22, R18, R20, R22, R48, R60, R66, R27, R48, R60, R66, R66, R107, R103, R104, R107, R103, R104, R107, R103, R104, R107, R103, R104, R21, R25, R29, R30, R33, R31, R32, R35, R36, R34, R37, R43, R37, R43, R37, R43, R36, R36, R34, R37, R43, R36, R36, R36, R36, R36, R36, R36, R3	3 17 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	470 100k 0 0 0 60.4k 19.6k 110.0k 5m 10 0 5.23k 11.10.0k 30.1k 11.00Neg 38.3k 1.1 1.00Neg 38.3k 1.00k 1.00k 2.49k	RC0201FS-7D100KL RC0603JR-070RL RC0603JR-070RL RC0603JR-070RL RC0603JR-070RL RT0603BRD0760KL RT0603BRD0760KL RT0603BRD0760KL RT0603BRD0760KL RT0603BRD0760KL CRCW060310R0FKEB CRCW060310R0FKEB CRCW060310R0FKEB CRCW060310R0FKEB CRCW060310R0FKEB CRCW060310R0FKEB RC0603FR-075KZ3L ERJ-3EKF1002V RC0603FR-075KZ3L ERJ-3EKF1002V RC0603FR-075KZ3L ERJ-3EKF1002V RC0603FR-075KZ3L ERJ-3EKF1002V RC0603FR-075KZ3L CRCW06031R10NEA ERJ-PB6E2493V RT0603BRD0731KZL RT0603BRD0731KZL CRCW06031R10NEA ERJ-PB6E2493V RT0603BRD0731KZL RT0603BRD0731KZL RC0603FR-075KSL RC0603FR-075KSL RC0603FR-075KSL RC160BP-822-8-T5 RC100BF-822-8-T5 RC100BF-823-8-T5 RC100BF-823-8-T5 RC100BF-823-8-T5 RC100BF-823-8-T5 RC100BF-823-8-T5 RC100BF-823-8-T5 RC100BF-823-8-T5 RC100BF-823-8-T5 RC100BF-823-8-T5 RC102BF-823-8-T5 RC102BF-	Yageo America	RES. 100 k, 1%, 0.05 W, 0.001 RES. 470.0 1.1%, 0.1 W, 0.603 RES. 100 k, 1%, 0.603 W, 0.402 RES. 100 k, 1%, 0.603 W, 0.402 RES. 100 k, 1%, 0.603 W, 0.402 RES. 100 k, 1%, 0.1 W, 0.603 RES. 100 k, 1%, 0.1 W, 0.603 RES. 100 k, 1%, 0.1 W, 0.603 Thick Film Resistors - SMD 1/10watt ZEROchm Jumper RES. 5.23 k, 1%, 0.1 W, 0.603 RES. 100 k, 1%, 0.0 W, 0.603 RES. 100 k, 1	0603 0603 0603 0603 0603 0603 0603 0603

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