Variant: 001 Generated: 1/29/2025 4:30 PM TID#: N/A

XXX### REV E1 Bill of Materials



Item#	Designator !PCB	Quantity 1	Value	PartNumber XXX###	Manufacturer Any	Description Printed Circuit Board	PackageReference
2	0V8, GND, Vin C1	3	0.47uF	1929517 C2012X5R1H474K125AB	Phoenix Contact TDK	Fixed Terminal Blocks MKDSP 10 HV/ 2-10 CAP, CERM, 0.47 uF, 50 V, +/- 10%, X5R, 0805	HDR2 0805
4 5	C2, C9	2	1uF 10uF	CGA3E1X7R1C105K080AC GRM32ER71H106KA12L	TDK MuRata	CAP, CERM, 1 µF, 16 V,+/- 10%, X7R, AEC-Q200 Grade 1, 0603	0603
6	C4, C7, C22, C29	4	0.1uF	C0603C104K5RACAUTO	Kemet	CAP, CERM, 10 uF, 50 V, +/- 10%, X7R, 1210 CAP, CERM, 0.1 µF, 50 V,+/- 10%, X7R, AEC-Q200 Grade 1, 0603	0603
8	C5 C6	1	100pF 4700pF	06033C101KAT2A GCM188R72A472KA37D	AVX MuRata	CAP, CERM, 100 pF, 25 V, +/- 10%, X7R, 0603 CAP, CERM, 4700 pF, 100 V,+/- 10%, X7R, AEC-Q200 Grade 1, 0603	0603
9	C8 C10	1	0.033uF 82pF	CGA3E3X7S2A333K080AB GRM1885C2A820JA01D	TDK MuRata	CAP, CERM, 0.033 uF, 100 V, +/- 10%, X7S, AEC-Q200 Grade 1, 0603 CAP, CERM, 82 pF, 100 V, +/- 5%, C0G/NP0, 0603	0603
11	C11 C12, C13	1 2	0.01uF 0.1uF	CGA3E2X7R2A103K080AA 06035C104KAZ2A	TDK AVX	CAP, CERM, 0.01 uF, 100 V, +/- 10%, X7R, AEC-Q200 Grade 1, 0603	0603
13	C12, C13 C14, C15, C123, C124, C125, C126, C127, C128	8	0.1uF	GCM188R71E104KA57D	MuRata	CAP, CERM, 0.1 μF, 50 V,+/- 10%, X7R, AEC-Q200 Grade 1, 0603 CAP, CERM, 0.1 μF, 25 V,+/- 10%, X7R, AEC-Q200 Grade 1, 0603	0603
14 15	C16 C17, C23, C30,	1 4	22uF 10uF	CL32B226KOJNFNE C3216X7R1A106K085AC	Samsung TDK	CAP, CERM, 22 µF, 16 V,+/- 10%, X7R, 1210 CAP, CERM, 10 µF, 10 V, +/- 10%, X7R, 1206	1210 1206
16	C32 C18, C20, C21,	8	1uF	08055C105K4Z2A	AVX	CAP, CERM, 1 µF, 50 V,+/- 10%, X7R, AEC-Q200 Grade 1, 0805	0805
17	C24, C25, C27, C28, C31 C19, C26	2	2.2uF	CGA4J3X7R1H225K125AB	TDK	CAP, CERM, 2.2 uF, 50 V, +/- 10%, X7R, AEC-Q200 Grade 1, 0805	0805
18	C33, C34, C35, C36	4	4.7uF	8.85012E+11	Wurth Elektronik	CAP, CERM, 4.7 uF, 10 V, +/- 10%, X7R, 0805	0805
19 20	C37, C38, C39 C40, C41, C42, C43, C44, C45, C46, C47, C48, C49, C50, C76, C90, C91, C92, C93	3 16	2.2uF 1500uF	GRM21BR71A225KA01L 2RSTPE1500MF	MuRata Panasonic	CAP, CERM, 2.2 UF, 10 V, +/- 10%, X7R, 0805 CAP, Tartalum Polymer, 1500 UF, 2.5 V, +/- 20%, 0.015 ohm, 7343-40 SMD	0805 7343-40
21	C51, C52, C53,	6	1uF	C0805C105K4RACAUTO	Kemet	CAP, CERM, 1 µF, 16 V,+/- 10%, X7R, AEC-Q200 Grade 1, 0805	0805
22	C54, C65, C77 C55, C57, C58,	6	1000pF	06031C102KAT2A	AVX	CAP, CERM, 1000 pF, 100 V, +/- 10%, X7R, 0603	0603
23	C61, C62, C63 C56, C59, C60,	6	1000pF	12061C102KAT2A	AVX	CAP, CERM, 1000 pF, 100 V, +/- 10%, X7R, 1206	1206
24	C64, C78, C83 C66, C67, C68, C69, C70, C71, C72, C73, C74,	10	220µF	T541X227M016AH6710	Kemet	220 µF Molded Tantalum Polymer Capacitor 16 V 2917 (7343 Metric) 40mOhm @ 100kHz	2917
25	C75 C79, C80, C84,	4	0.01uF	C1206C103KARACTU	Kemet	CAP, CERM, 0.01 uF, 250 V, +/- 10%, X7R, 1206	1206
26	C85 C81, C82, C86,	4	0.1uF	GRM31CR72E104KW03L	MuRata	CAP, CERM, 0.1 uF, 250 V, +/- 10%, A7R, 1206	1206
27	C81, C82, C86, C87 C88, C112, C113, C114, C115, C116	6	0.1uF 0.47uF	C0603C474K8RACTU	Kemet	CAP, CERM, 0.47 uF, 10 V, +/- 10%, X/R, 1206 CAP, CERM, 0.47 uF, 10 V, +/- 10%, X/R, 0603	0603
28	C89	1	2200pF	08055A222JAT2A	AVX	CAP, CERM, 2200 pF, 50 V, +/- 5%, C0G/NP0, 0805	0805
29	C117, C118, C119, C120, C121, C122	6	0.1uF	8.85012E+11	Wurth Elektronik	CAP, CERM, 0.1 uF, 10 V,+/- 10%, X7R, 0603	0603
30	D1, D5 D2, D6	2	50V	ES3AB-13-F BZT52B13-E3-08	Diodes Inc. Vishay	Diode, Superfast Rectifier, 50 V, 3 A, SMB Diode Zener Single 13V 500mW 2-Pin SOD-123 T/R	SMB SOD123
32	D7, D8 GND1, GND2.	2		NRVBA340T3G	ON Semiconductor Keystone Electronics	Diode Schottky 40V 3A Surface Mount SMA	SMA
33	GND1, GND2, GND3, GND4, GND5 H1, H2, H3, H4	5		5001 NY PMS 440 0025 PH	B&F Fastener Supply	Test Point, Miniature, Black, TH Machine Screw, Round, #4-40 x 1/4, Nylon, Philips panhead	Black Miniature Testpoint Screw
35	H5, H6, H7, H8	4		1902C 131-5031-00	Keystone	Standoff, Hex, 0.5"L #4-40 Nylon	Standoff
36 37	J1, J2, J4, J5 J3	1		CONSMA002-G	Tektronix Linx Technologies	Compact Probe Tip Circuit Board Test Points, TH, 25 per JACK, SMA, 50 Ohm, Gold, R/A, TH	TH Scope Probe SMA Jack, 50 Ohm R/A. TH
38	L1, L2	2	0.45uH	XAL1010-451MEB	Coilcraft	Shielded Power Inductors - XAL1010 0.45uH AEC Q-200 20% 0.72mohm SRF: 66MHz 40A	SMD2
39	LBL1	1		THT-14-423-10	Brady		PCB Label 0.650 x 0.200 inch
40	Q1, Q3, Q4, Q6,	8		EPC7019GC	EPC Space	MOSFET N-Channel 40 V 80A (Tc) Surface Mount 5-SMD	FSMD-G
41	Q7, Q8, Q9, Q10 Q11	1	25V	CSD16408Q5	Texas Instruments	MOSFET, N-CH, 25 V, 113 A, DQH0008A (VSON-CLIP-8)	DQH0008A
42	R1, R5, R12, R14, R18, R24, R46, R71, R74, R75, R76, R77, R78,	21	0	RMCF0603ZT0R00	Stackpole Electronics Inc	RES, 0, 1%, 0.1 W, AEC-Q200 Grade 0, 0603	0603
	R79, R84, R87, R88, R89, R90, R91, R92						
	R88, R89, R90, R91, R92 R2	1 1	49.9k	RC0603FR-0749K9L RC0603FR-0710RL	Yageo Yageo	RES, 49.9 k, 1%, 0.1 W, 0603 RES, 10.0. 1%, 0.1 W, 0603	0603 0603
43 44 45	R88, R89, R90, R91, R92 R2 R3 R4	1	10 49.9	RC0603FR-0710RL RC0603FR-0749R9L	Yageo Yageo	RES, 10.0, 1%, 0.1 W, 0603 RES, 49.9, 1%, 0.1 W, 0603	0603 0603
44 45 46 47	R88, R89, R90, R91, R92 R2 R3 R4 R6 R7	1 1 1 1	10 49.9 3.09k 10.0k	RC0603FR-0710RL RC0603FR-0749R9L RC0603FR-073K09L RG1608P-103-B-T5	Yageo Yageo Yageo Susumu Co Ltd	RES, 10.0, 1%, 0.1 W, 0603 RES, 49.9, 1%, 0.1 W, 0603 RES, 3.09 k, 1%, 0.1 W, 0603 RES, 10.0 k, 0.1%, 0.1 W, 0603	0603 0603 0603
44 45 46 47 48 49	R88, R89, R90, R91, R92 R2 R3 R4 R6 R7 R8	1 1	10 49.9 3.09k 10.0k 392k 18.7k	RC0603FR-0710RL RC0603FR-0749R9L RC0603FR-073K09L RG1608P-103-B-T5 RC0603FR-07392KL CRCW060318K7FKEA	Yageo Yageo Yageo Yageo Susmu Co Ltd Yageo Vishay-Dale	RES. 10.0, 1%, 0.1 W, 0603 RES. 49.9, 1%, 0.1 W, 0603 RES. 3.09 k, 1%, 0.1 W, 0603 RES. 10.0 k, 0.1 W, 0603 RES. 30.2 k, 1%, 0.1 W, 0603 RES. 30.2 k, 1%, 0.1 W, 0603	0603 0603
44 45 46 47 48	R88, R89, R90, R91, R92 R2 R3 R4 R6 R7 R8 R9 R10 R11, R13 R15, R16, R19,	1 1 1 1 1	10 49.9 3.09k 10.0k 392k	RC0603FR-0710RL RC0603FR-0749R9L RC0603FR-073K09L RG1608P-103-B-T5 RC0603FR-07392KL	Yageo Yageo Yageo Susumu Co Ltd Yageo	RES, 10.0, 1%, 0.1 W, 0603 RES, 4.9, 1, 1%, 0.1 W, 0603 RES, 3.09 k, 1%, 0.1 W, 0603 RES, 30.2 k, 1%, 0.1 W, 0603	0603 0603 0603 0603 0603
44 45 46 47 48 49 50 51 52	R88, R89, R90, R91, R92 R2 R3 R4 R6 R7 R8 R9 R10 R11, R13 R15, R16, R19, R20	1 1 1 1 1 1 1 2 4	10 49.9 3.09k 10.0k 392k 18.7k 33.2k 49.9k	RC0603FR-0710RL RC0603FR-0748P9L RC0603FR-073K09L RG1608P-1073E-175 RC0603FR-07392KL CRCW060318K/FKEA RG1608P-3322-B-T5 RT0603DRE0749K9L RT0603BRD0741K2L RT0603BRD071K5L	Yageo Yageo Yageo Yageo Susumu Co Ltd Yageo Vishay-Dale Susumu Co Ltd Yageo America Yageo America Yageo America	RES, 100, 1%, 0.1 W, 0603 RES, 49, 91, %, 0.1 W, 0603 RES, 30, 91, %, 0.1 W, 0603 RES, 30, 91, %, 0.1 W, 0603 RES, 30, 81, %, 0.1 W, 0603 RES, 302 K, 1%, 0.1 W, 0603 RES, 302 K, 1%, 0.1 W, 0603 RES, 302 K, 1%, 0.1 W, 0603 RES, 40 J K, 0.5%, 0.1 W, 0603 RES, 412 K, 0.1 W, 0.1 W, 0603	0603 0603 0603 0603 0603 0603 0603 0603
44 45 46 47 48 49 50 51 52 53	R88, R89, R90, R91, R92 R2 R3 R4 R6 R7 R8 R9 R10 R11, R13 R15, R16, R19, R20 R17, R21 R23, R45	1 1 1 1 1 1 1 2 4	10 49.9 3.09k 10.0k 392k 18.7k 33.2k 49.9k 41.2k 1.50k 2	RC0603FR-0710RL RC0603FR-0749R9L RC0603FR-07349R1 RC0603FR-0738-08 RC1608PR-0738-08 RC1608PR-0738-08 RC1608PR-0738-08 RC1608PR-0738-08 RC1608PR-0738-08 RC1608PR-0738-08 RC1608PR-0738-08 RC1608PR-074-08 RC16080RD074-08 RC506032R0074-08 RC506032R0074-08 RC506032R0074-08	Yageo Yageo Yageo Yageo Susumu Co Ltd Yageo Susumu Co Ltd Yageo Susumu Co Ltd Yageo America Yageo America Yageo America Yageo America Yageo America	RES, 100, 1%, 0.1 W, 0603 RES, 49, 91, %, 0.1 W, 0603 RES, 30 9 k, 1%, 0.1 W, 0603 RES, 30 9 k, 1%, 0.1 W, 0603 RES, 30 9 k, 1%, 0.1 W, 0603 RES, 30 2 k, 0.1 W, 0.1 W, 0603 RES, 30 2 k, 0.1 W, 0.1 W, 0603 RES, 30 2 k, 0.1 W, 0.1 W, 0603 RES, 30 2 k, 0.1 W, 0.1 W, 0603 RES, 41 2 k, 0.1 W, 0.1 W, 0603 RES, 41 2 k, 0.1 W, 0.1 W, 0603 RES, 41 2 k, 0.1 W, 0.1 W, 0603 RES, 41 2 k, 0.1 W, 0.1 W, 0603 RES, 41 2 k, 0.1 W, 0.1 W, 0603 2 Oftens 11% 0.2 SW, 114W Crip Resistor 0603 (1608 Metric) Automotive AEC-CO200, Pulsa Withstanding Trick Film	0603 0603 0603 0603 0603 0603 0603 0603
44 45 46 47 48 49 50 51 52 53 54	R88, R89, R90, R91, R92 R2 R3 R4 R6 R7 R8 R9 R10, R11, R13 R15, R16, R19, R20 R17, R21 R23, R45	1 1 1 1 1 1 1 2 4	10 49.9 3.09k 10.0k 392k 18.7k 33.2k 49.9k 41.2k 1.50k 2	RC0603FR-0710RL RC0603FR-0749R9L RC0603FR-073409L RC0603FR-073409L RC1608FR-073809L RC0603FR-07392RL RC0608FR-07392RL RC0608FR-07392RL RC0608FR-07392RL RC0608FR-07392RL RC06003FR-07392RL RC06003FR-07392RL RC06003FR-0741R2L RC506003FR-0741R2L RC506003FR-0741R2L RC506003FR-0741R2L RC506003FR-0741R2L RC506003FR-0741R2L RC506003FR-0741R2L RC506003FR-0741R2L RC506003FR-0741R2L	Yageo Yageo Yageo Yageo Susumu Co Ltd Yageo Susumu Co Ltd Yageo Susumu Co Ltd Yageo America Yageo America Yageo America Yageo America Susumu Co Ltd Susumu Co Ltd Susumu Co Ltd	RES, 100, 1%, 0.1 W, 0603 RES, 49, 91, %, 0.1 W, 0603 RES, 30, 91, %, 0.1 W, 0603 RES, 30, 91, %, 0.1 W, 0603 RES, 30, 81, %, 0.1 W, 0603 RES, 302 k, 1%, 0.1 W, 0603 RES, 302 k, 1%, 0.1 W, 6603 RES, 302 k, 0.5 %, 0.1 W, 0603 RES, 302 k, 0.5 %, 0.1 W, 0603 RES, 40, 91, 0.5 %, 0.1 W, 0603 RES, 412 k, 0.7 %, 0.1 W, 0603 RES, 1.5 %, 0.1 W, 0.1 W, 0605 RES, 1.5 %, 0.1 W, 0.1 W, 0605 RES, 1.5 %, 0.1 W, 0.1 W, 0605 RES, 1.5 %, 0.7 %, 0.1 W, 0605 RES, 0.007, 1%, 0.1 W, 0605	0603 0603 0603 0603 0603 0603 0603 0603
44 45 46 47 48 49 50 51 52 53	R88, R89, R90, R91, R92 R2 R3 R4 R6 R7 R8 R9 R10, R11, R13 R15, R16, R19, R20 R17, R21 R23, R45 R28, R29, R30, R31, R32, R33 R67 R68, R69, R81,	1 1 1 1 1 1 1 2 4	10 49.9 3.09k 10.0k 392k 18.7k 33.2k 49.9k 41.2k 1.50k 2	RC0603FR-0710RL RC0603FR-0749R9L RC0603FR-07349R1 RC0603FR-0738-08 RC1608PR-0738-08 RC1608PR-0738-08 RC1608PR-0738-08 RC1608PR-0738-08 RC1608PR-0738-08 RC1608PR-0738-08 RC1608PR-0738-08 RC1608PR-074-08 RC16080RD074-08 RC506032R0074-08 RC506032R0074-08 RC506032R0074-08	Yageo Yageo Yageo Yageo Susumu Co Ltd Yageo Susumu Co Ltd Yageo Susumu Co Ltd Yageo America Yageo America Yageo America Yageo America Yageo America	RES, 100, 1%, 0.1 W, 0603 RES, 49, 91, %, 0.1 W, 0603 RES, 30 9 k, 1%, 0.1 W, 0603 RES, 30 9 k, 1%, 0.1 W, 0603 RES, 30 9 k, 1%, 0.1 W, 0603 RES, 30 2 k, 0.1 W, 0.1 W, 0603 RES, 30 2 k, 0.1 W, 0.1 W, 0603 RES, 30 2 k, 0.1 W, 0.1 W, 0603 RES, 30 2 k, 0.1 W, 0.1 W, 0603 RES, 41 2 k, 0.1 W, 0.1 W, 0603 RES, 41 2 k, 0.1 W, 0.1 W, 0603 RES, 41 2 k, 0.1 W, 0.1 W, 0603 RES, 41 2 k, 0.1 W, 0.1 W, 0603 RES, 41 2 k, 0.1 W, 0.1 W, 0603 2 Oftens 11% 0.2 SW, 114W Crip Resistor 0603 (1608 Metric) Automotive AEC-CO200, Pulsa Withstanding Trick Film	0603 0603 0603 0603 0603 0603 0603 0603
44 45 46 47 48 49 50 51 52 53 54 55 55	R88, R89, R90, R91, R92 R2 R3 R4 R6 R7 R8 R9 R10 R11, R13 R15, R16, R19, R20 R17, R21 R22, R45 R23, R33 R67 R28, R30, R30, R31, R32, R33 R67 R68, R89, R81, R82, R30, R81,	1 1 1 1 1 1 1 1 2 4 2 2 6	10 49.9 3.09k 10.0k 392k 18.7k 33.2k 49.9k 41.2k 1.50k 2	RC0605FR-0710RL RC0605FR-0740RL RC0605FR-0740RB RC0605FR-0740R	Yageo Yageo Yageo Yageo Susumu Co Ltd Susumu Co Ltd Visitay-Dale Susumu Co Ltd Yagoo America Yagoo America Yagoo America Visitay-Dale Susumu Co Ltd Yagoo America Visitay Dale Visitay Dale Visitay Dale Visitay Dale Visitay Dale Visitay Dale	RES, 100, 1%, 0.1 W, 0603 RES, 499, 1%, 0.1 W, 0603 RES, 499, 1%, 0.1 W, 0603 RES, 300 k, 1%, 0.1 W, 0603 RES, 300 k, 1%, 0.1 W, 0603 RES, 187, 1%, 0.1 W, 0603 RES, 187, k, 1%, 0.1 W, 0603 RES, 10, 0.1 W, 0.1 W, 0603 RES, 10, 0.1 W, 0.1 W, 0603 RES, 10, 0.1 W, 0.1 W, 0603 RES, 0.0 W, 0.1 W, 0.1 W, 0603 RES, 0.0 W, 0.1 W, 0.1 W, 0603 RES, 0.0 W, 0.1 W, 0.1 W,	0603 0603 0603 0603 0603 0603 0603 0603
44 45 46 47 48 49 50 51 52 53 54 55 55 57	R88, R89, R90, R91, R92 R2 R3 R4 R6 R7 R8 R9 R10 R11, R13 R15, R16, R19, R20 R17, R21 R23, R45 R25, R45 R25, R45 R25, R45 R26, R32, R33 R67 R68, R89, R81, R82, R83, R81, R82, R83, R81, R82, R83, R81, R82, R83, R81,	1 1 1 1 1 1 1 1 2 4 2 2 2	10 49.9 3.09k 10.0k 392k 18.7k 33.2k 49.9k 41.2k 1.50k 2	RC0605FR-0710RL RC0605FR-0740RL RC0605FR-0740RL RC0605FR-0740RE RC0605FR-0740R	Yageo Yageo Yageo Yageo Yageo Suurmu Co Ltd Yageo Suurmu Co Ltd Yageo Suurmu Co Ltd Yageo America Vageo America Vageo America Vageo America Vageo America Vageo America Vageo America	RES, 100, 1%, 0.1 W, 0603 RES, 499, 1%, 0.1 W, 0603 RES, 309 k, 1%, 0.1 W, 0603 RES, 180 k, 0.1 W, 0610 RES, 180 k, 0.1 W, 0610 RES, 180 k, 0.1 W, 0610 RES, 180 k, 0.1 W, 0603 RES, 400 k, 0.1 W, 0610 RES, 0.1 W, 0.1 W, 0610	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	R88, R89, R90, R91, R92 R2 R3 R4 R6 R7 R8 R9 R10, R11, R13 R15, R16, R19, R20 R11, R21 R23, R45 R25, R45 R27, R82 R27, R83 R67 R82, R89, R81, R82 R70, R83 R94 R95 R94 R95 R96, R97	1 1 1 1 1 1 1 1 1 2 4 2 2 2 6	10 49.9 3.09k 10.0k 39.2k 18.7k 33.2k 49.9k 41.2k 1.50k 2 0.007 931 10.0k 3 0 0 0.00	RC0605FR-0710RL RC0605FR-0710RL RC0605FR-07300R RC0605FR-0730R RC0605FR-07300R RC0605FR-07300R RC0605FR-07300R RC0605FR-07300R	Yageo Yageo Yageo Yageo Yageo Yageo Suumur Co Ltd Yageo Yageo Yageo Yageo America Yageo America Yageo America Yageo America Vistay Dale Suumur Co Ltd Sugeo America Vistay Dale Vistay Dale Vistay Dale Vistay Dale Vistay Sugeo Vistay Dale Vistay Stemice	RES, 100, 1%, 0.1 W, 0603 RES, 3.90 k, 1%, 0.1 W, 0603 RES, 3.00 k, 1%, 0.1 W, 0603 RES, 3.00 k, 1%, 0.1 W, 0603 RES, 3.00 k, 1%, 0.1 W, 0603 RES, 3.02 k, 1%, 0.1 W, 0603 RES, 4.00 k, 0.1%, 0.1 W, 0603 RES, 4.00 k, 0.1%, 0.1 W, 0603 RES, 4.00 k, 0.1%, 0.1 W, 0603 RES, 1.50 k, 0.1%, 0.1 W, 0603 RES, 1.50 k, 0.1%, 0.1 W, 0603 RES, 1.50 k, 0.1%, 0.1 W, 0603 RES, 0.07, 1%, 3.W, 2512 WIDE RES, 9.31, 0.1%, 0.1 W, 0603 RES, 1.00 k, 0.1%, 0.1 W, 0603 RES, 0.00 k, 0.1%, 0.1 W, 0603 RES, 0.00 k, 0.1%, 0.0003	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	R88, R89, R90, R91, R92 R2 R3 R4 R6 R7 R8 R9 R10 R11, R13 R15, R16, R19, R20 R17, R21 R22, R45 R28, R30, R81, R82, R33, R33, R33, R33, R33, R33, R33, R3	1 1 1 1 1 1 1 1 2 4 2 2 6	10 49.9 30.09k 10.0k 392k 18.7k 33.2k 49.9k 41.2k 1.50k 2 0.007 931 10.0k 3 0 0 10.0k	RC0605FR-0710RL RC0605FR-0740RL RC0605FR-0740RL RC0605FR-0740RE RC0605FR-0740R	Yageo Yageo Yageo Yageo Yageo Sourmu Co Ltd Sourmu Co Ltd Sourmu Co Ltd Sourmu Co Ltd Yageo America Vageo America Vageo America Vageo America Vageo America Vageo America Vageo Praioric Vageo America Vageo Praioric Vageo America Vageo Praioric Vageo Praiorica Vageo Praio	RES, 100, 1%, 0.1 W, 0603 RES, 499, 1%, 0.1 W, 0603 RES, 309 k, 1%, 0.1 W, 0603 RES, 180 k, 0.1 W, 0610 RES, 180 k, 0.1 W, 0610 RES, 180 k, 0.1 W, 0610 RES, 180 k, 0.1 W, 0603 RES, 400 k, 0.1 W, 0610 RES, 0.1 W, 0.1 W, 0610	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	R88, R89, R80, R80, R891, R92 R2 R3 R4 R3 R4 R6 R7 R6 R7 R1 R1 R1 R1 R1 R1 R1 R1 R1 R2 R1 R1 R2 R2 R1 R1 R2 R2 R2 R3 R4 R5 R6 R7 R1	1 1 1 1 1 1 1 1 1 2 4 4 2 2 6 1 1 4 4 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	10 49.9 3.09k 10.0k 39.2k 18.7k 33.2k 49.9k 41.2k 1.50k 2 0.007 931 10.0k 3 0 0 0.00	RC0605F-0710RL RC0605F-0710RL RC0605F-0710RL RC0605F-0710RD RC0605	Yageo Yageo Yageo Yageo Yageo Saumru Co Ltd Yageo Suumru Co Ltd Yageo Suumru Co Ltd Yageo America Vishay-Dale	RES, 100, 11%, 0.1 W, 0603 RES, 39, 11%, 0.1 W, 0603 RES, 39, 11%, 0.1 W, 0603 RES, 30, 10 K, 10%, 0.1 W, 0603 RES, 30, 10 K, 10%, 0.1 W, 0603 RES, 30, 10 K, 10%, 0.1 W, 0603 RES, 10%, 10%, 10%, 0.1 W, 0605 RES, 10%, 10%, 10%, 10%, 10% RES, 10%, 10%, 10%, 10%, 10% RES, 10%, 10%, 10%, 10%, 10% RES, 10% RES, 10%, 10% RES, 10	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	R88, R89, R80, R80, R801, R802, R811, R82, R81, R81, R81, R81, R81, R81, R81, R81	1 1 1 1 1 1 1 1 1 2 4 2 2 2 6 1 1 1 1 1 2 2 1 1 1 1 1 1 1 1 1	10 49.9 3.09k 10.0k 39.2k 18.7k 33.2k 49.9k 41.2k 1.50k 2 0.007 931 10.0k 3 0 0 0.00	RC0605FR-0710RL RC0605FR-0710RL RC0605FR-0710RL RC0605FR-0710RD RC0605FR-0710FR RC060605FR-0710RD RC060605	Yageo Yageo Yageo Yageo Yageo Yageo Suurmu Co Ltd Yageo Suurmu Co Ltd Yageo Suurmu Co Ltd Yageo America Vageo Suurmu Co Ltd Vageo America Vageo America Vageo Suurmu Co Ltd Vageo America Vageo Suurmu Co Ltd Vageo America Vageo Americ	RES, 100, 1%, 0.1 W, 0603 RES, 30 b, 1%, 0.1 W, 0603 RES, 30 k, 1%, 0.1 W, 0603 RES, 30 k, 0.1 W, 0603 RES, 40 s, 0.1 W, 0603 RES, 1.50 k, 0.1 W, 0603 RES, 0.0 Y, W, 0.1 W, 0603 RES, 1.50 k, 0.1 W, 0603 RES, 0.0 W, 0.5 W, AEC-C2000 Grade 0, 0603	0603 0603 0603 0603 0603 0603 0603 0603
44 45 46 47 48 49 50 51 52 53 54 55 55 56 57 57 60 61 62 63	R88, R89, R90, R91, R92 R2 R2 R3 R4 R4 R5 R7 R8 R9 R10 R10 R10 R10 R10 R10 R10 R10 R10 R10	1 1 1 1 1 1 1 1 1 2 4 2 2 2 6 1 1 4 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	10 49.9 3.09k 10.0k 39.2k 18.7k 33.2k 49.9k 41.2k 1.50k 2 0.007 931 10.0k 3 0 0 0.00	RCOGOSPR-0710RL RCOGOSPR-0710RL RCOGOSPR-0710RL RCOGOSPR-0710RR RCOGOSPR-0710R	Yageo Yageo Yageo Yageo Yageo Yageo Suurmu Co Ltd Yageo Suurmu Co Ltd Yageo Suurmu Co Ltd Yageo America Yageo America Vishay Dale Suurmu Co Ltd Yageo America Vishay Dale Vishay Dale Vishay Chaloric Vishay-Dale	RES, 100, 1%, 0.1 W, 0603 RES, 30 b, 1%, 0.1 W, 0603 RES, 100, 10, 10%, 0.1 W, 0603 RES, 10%, 10%, 0.1 W, 0603 RES, 10%, 10%, 0.1 W, 0603 RES, 40 p, 10, 5%, 0.1 W, 0603 RES, 10, 0.1 W, 0603	0603 0603 0603 0603 0603 0603 0603 0603
44 45 46 47 48 49 49 55 55 55 55 56 57 58 59 60 61 62 63 64 65 66 67 68	R88, R89, R90, R91, R92 R91, R91, R91, R91, R91, R91, R91, R91,	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	10 49.9 3.09k 49.9 3.09k 50.00k 50.00	RC0605F-0710EL RC0605F-0710EL RC0605F-0710EL RC0605F-0710E	Yageo Yageo Yageo Yageo Yageo Yageo Yageo Saumu Co Ltd Yageo Saumu Co Ltd Yageo Saumu Co Ltd Yageo America Yageo America Yageo America Yageo America Vistey Dale Suumu Cu Ltd Yageo America Vistey Dale Suumu Cu Ltd Yageo America Vistey Dale Suumu Cu Ltd Yageo America Vistey Dale Keystone Electronics Keystone Electronics Keystone Electronics Fexas Instruments Fexas Instruments Panasonic	RES, 100, 1%, 0.1 W, 0603 RES, 30 b k, 1%, 0.1 W, 0603 RES, 18 r k, 1%, 0.1 W, 0603 RES, 18 r k, 1%, 0.1 W, 0603 RES, 18 r k, 1%, 0.1 W, 0603 RES, 15 b k, 0.1 W, 0603 RES, 15 b k, 0.1 W, 0603 RES, 1.5 b k, 0.1 W, 0603 RES, 0.0 k, 0.1 W, 0603 RES, 0.0 k, 0.5 b W, AEC-0200 Grade 0, 0603 RES, 0.0 k, 0.2 W, AEC-0200 Grade 0, 0603 RES, 0.0 k, 0.2 W, AEC-0200 Grade 0, 0603 RES, 0.0 k, 0.2 W, AEC-0200 Grade 0, 0603 RES, 0.0 k, 0.2 W, AEC-0200 Grade 0, 0603 RES, 0.0 k, 0.2 W, AEC-0200 Grade 0, 0603 RES, 0.0 k, 0.5 W, AEC-0200 Grade 0, 0603 RES, 0.0 k, 0.5 W, AEC-0200 Grade 0, 0603 RES, 0.0 k, 0.5 W, AEC-0200 Grade 0, 0603 RES, 0.0 k, 0.5 W, AEC-0200 Grade 0, 0603 RES, 0.0 k, 0.5 W, AEC-0200 Grade 0, 0603 RES, 0.0 k, 0.5 W, AEC-0200 Grade 0, 0603 RES, 0.0 k, 0.5 W, AEC-0200 Grade 0, 0603 RES, 0.0 k, 0.5 W, AEC-0200 Grade 0, 0603 RES, 0.0 k, 0.5 W, AEC-0200 Grade 0, 0603 RES, 0.0 k, 0.5 W, AEC-0200 Grade 0, 0603 RES, 0.0 k, 0.5 W, AEC-0200 Grade 0, 0603 RES, 0.0 k, 0.5 W, AEC-0200 Grade 0, 0603 RES, 0.0 k, 0.5 W, AEC-0200 Grade 0, 0603 RES, 0.0 k, 0.5 W, AEC-0200 Grade 0, 0603 RES, 0.0 k, 0.5 W, AEC-0200 Grade 0, 0603 RES, 0.0 k, 0.5 W, AEC-0200 Grade 0, 0603 RES, 0.0 k, 0.5 W, AEC-0200 Grade 0, 0603 RES, 0.0 k, 0.5 W, AEC-0200 Grade 0, 0603 RES, 0.0 k, 0.5 W, AEC-0200 Grade 0, 0603	0603 0603 0603 0603 0603 0603 0603 0603
44 45 46 47 48 49 50 51 52 53 54 55 56 67 60 61 62 63 66 67	R88, R89, R90, R89, R90, R89, R90, R91, R92 R91, R92 R93, R94, R94, R94, R94, R94, R94, R94, R94	1 1 1 1 1 1 1 1 1 2 4 4 2 2 1 1 1 2 1 3 3 3 1 1 1 2 1 1 2 1 1 1 2 1 1 1 1	10 49.9 3.09k 10.0 kg 39.2k 18.7k 33.2k 49.9k 41.2k 11.50k 2 0.007 931 10.0 k 3 0.0	RC0605FR-0710RL RC0605FR-0710RL RC0605FR-0710RL RC0605FR-0710RD RC0605FR-0710RD RC0605FR-0710RD RC0605FR-0710RD RC0605FR-0710RD RC0605FR-0710RD RC0605FR-0710RD RC0605FR-0710RL RC0605FR-0710R	Yageo Yageo Yageo Yageo Yageo Yageo Yageo Saumru Co Ltd Yageo Saumru Co Ltd Yageo Saumru Co Ltd Yageo America Vageo America Vage	RES, 100, 11%, 0.1 W, 0603 RES, 499, 11%, 0.1 W, 0603 RES, 499, 11%, 0.1 W, 0603 RES, 300 K, 1%, 0.1 W, 0603 RES, 300 K, 1%, 0.1 W, 0603 RES, 187, 17%, 0.1 W, AEC-0200 Grade 0, 0603 RES, 187 K, 17%, 0.1 W, 0603 RES, 10%, 0.1 W, 0603 RES, 10%, 0.1 W, 0603 RES, 10%, 0.1 W, 0603 RES, 0.007, 1%, 30, 20%, 10% RES, 10%, 0.1 W, 0603 RES, 0.0 W, 0.2 W, 14W OFF, Resistor 0603 (1608 Metric) Automotive AEC-0200, Pulse Withstanding Trick Film RES, 0.007, 1%, 30, 20%, 10% RES, 10%, 0.1 W, 0.0 W	0603 0603 0603 0603 0603 0603 0603 0603

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