TIDA-01096 REV E1 Bill of Materials



Item #	Designator	Quantity	Value	PartNumber	Manufacturer	Description	PackageReference
1 !!	PCB1	1		TIDA-01096	Anv	Printed Circuit Board	J
2 0	C1. C11. C29	3	0.1uF	GRM188R71E104KA01D	MuRata	CAP. CERM. 0.1 µF. 25 V. +/- 10%. X7R. 0603	0603
3 (C2, C4, C5, C21,	6	4.7uF	GRJ32DC72A475KE11L	Murata Electronics North	4.7µF ±10% 100V X7S Ceramic Capacitor -55°C ~ 125°C Surface	1210
	C23. C24	-			America	Mount, MLCC 1210 (3225 Metric) 0.126" L x 0.098" W (3.20mm x	
	,					2.50mm)	
4 (C3 C22	2	0.01uF	GCM188R72A103KA37D	Murata Electronics North	10000pE +10% 100V X7R Ceramic Capacitor -55°C ~ 125°C Surface	0603
	00, 022	-	0.0101		America	Mount MLCC 0603 (1608 Metric) 0.063" L x 0.031" W (1.60mm x	0000
					America	0.80mm)	
5 (C6 C12 C20	2	10uE	CPT199C91A106ME12D	MuRata	CAR CERM 10 HE 10 V 1/ 20% YES AEC 0200 Grada 2 0602	0602
5 0	C0, C12, C20	5			MuRata	CAP, CERM, 10 µF, 10 V, +/- 20%, X03, AEC-Q200 Glade 2, 0003	0003
0	C7, C10, C13, C13, C17, C19	5	0.10	GCIVITOOR/THT104KA57D	MuRala	CAP, CERIVI, U. I µF, 50 V, +/- 10%, X/R, 0003	0603
7	027, 020		0.0 F		M. Data		1010
1	C8, C18, C19,	4	2.2uF	GRM32ER72A225KA35L	MuRata	CAP, CERM, 2.2 µF, 100 V, +/- 10%, X/R, 1210	1210
0	C25						
8 (C9, C26	2	0.01uF	GRM188R71E103KA01D	MuRata	CAP, CERM, 0.01 μF, 25 V, +/- 10%, X7R, 0603	0603
9 0	C14, C33	2	0.47uF	GRM188R71A474KA61D	MuRata	CAP, CERM, 0.47 µF, 10 V, +/- 10%, X7R, 0603	0603
10 C	C15, C32	2	0.047uF	GRM155R71A473KA01D	MuRata	CAP, CERM, 0.047 µF, 10 V, +/- 10%, X7R, 0402	0402
11 C	C16, C31	2	4700pF	GCM188R72A103KA37D	Maruta	10000pF ±10% 100V X7R Ceramic Capacitor -55°C ~ 125°C Surface	0603
						Mount, MLCC 0603 (1608 Metric) 0.063" L x 0.031" W (1.60mm x	
						0.80mm)	
12 0	C17, C30, C34,	4	470pF	C0603X471K5RACTU	Kemet	CAP, CERM, 470 pF, 50 V, +/- 10%, X7R, 0603	0603
C	C35						
13 E	D1, D3	2	80V	MBR0580-TP	Micro Commercial	Diode, Schottky, 80 V, 0.5 A, SOD-123	SOD-123
					Components		
14 C	D2. D4	2	80V	SK310AFL-TP	Micro Commercial Co	DIODE SCHOTTKY 100V 3A DO221AC	SMA
15 F	FID1_FID2_FID3	- 3		N/A	N/A	Fiducial mark There is nothing to buy or mount	N/A
16	H1 H2 H3 H4	4		PMSSS 440 0025 PH	B&F Fastener Supply	MACHINE SCREW PAN PHILLIPS 4-40	Machine Screw 4-40
	,,,,						1/4"
17	H5 H6 H7 H8	4		1902E	Keystone	Standoff Hex 1"L #4-40 Nivlon	Standoff
18	11 13 17	7		1715721	Phoenix Contact	Terminal Block 5.08 mm 2x1 TH	2POS Terminal Block
10 3	J1, J3, J7	3		1715721	Filderlik Contact		2FOS Terminal Block
10	10	1		SL 11 112 020	Fischer Flektrenik	Header 2.54mm 2v1. Cold TH	TH 2 Londo Body
19 5	JZ	· ·		SL 11 112 03G	FISCHER Elektronik		III, 3-Leaus, Bouy
							2.5x7.62mm, Pitch
							2.54mm
20 J	J4	1		TSW-105-07-G-S	Samtec	Header, 100mil, 5x1, Gold, TH	5x1 Header
21 J	J5, J6	2		PEC10DAAN	Sullins Connector Solutions	Header, 100mil, 10x2, TH	Header, 10x2,
							2.54mm, TH
22 L	L1, L2	2	33uH	744770133	Wurth Elektronik eiSos	Inductor, Shielded Drum Core, Ferrite, 33uH, 3.2A, 0.047 ohm, SMD	WE-PD-XL
23 F	R1, R8	2	120k	CRCW0603120KFKEA	Vishay Dale	RES SMD 120K OHM 1% 1/10W 0603	0603
24 F	R2, R3, R9, R11	4	1.00k	CRCW06031K00FKEA	Vishay-Dale	RES. 1.00 k. 1%, 0.1 W. 0603	0603
25 F							0000
26 F	R4, R10	2	100	RC0603FR-07100RL	Yageo America	RES, 100, 1%, 0.1 W, 0603	0603
27 F	R4, R10 R5, R12	2	100 191k	RC0603FR-07100RL CRCW0603191KFKEA	Yageo America Vishay-Dale	RES, 100, 1%, 0.1 W, 0603 RES, 191 k, 1%, 0.1 W, 0603	0603 0603
28 F	R4, R10 R5, R12 R6, R13	2 2 2	100 191k 4.99k	RC0603FR-07100RL CRCW0603191KFKEA CRCW06034K99FKEA	Yageo America Vishay-Dale Vishay-Dale	RES, 100, 1%, 0.1 W, 0603 RES, 191 k, 1%, 0.1 W, 0603 RES, 4.99 k, 1%, 0.1 W, 0603	0603 0603 0603
	R4, R10 R5, R12 R6, R13 R7, R14	2 2 2 2 2	100 191k 4.99k 0.05	RC0603FR-07100RL CRCW0603191KFKEA CRCW06034K99FKEA CSRN2512FK50L0CT-ND	Yageo America Vishay-Dale Vishay-Dale Stackpole Electronics Inc	RES, 100, 1%, 0.1 W, 0603 RES, 191 k, 1%, 0.1 W, 0603 RES, 4.99 k, 1%, 0.1 W, 0603 RES, 0.05, 1%, 2 W, 2512	0603 0603 0603 0603 2512
29	R4, R10 R5, R12 R6, R13 R7, R14 R15, R27	2 2 2 2 2 2	100 191k 4.99k 0.05 866	RC0603FR-07100RL CRCW0603191KFKEA CRCW06034K99FKEA CSRN2512FK50L0CT-ND CRCW0603866RFKEA	Yageo America Vishay-Dale Vishay-Dale Stackpole Electronics Inc Vishay-Dale	RES, 100, 1%, 0.1 W, 0603 RES, 191 k, 1%, 0.1 W, 0603 RES, 4.99 k, 1%, 0.1 W, 0603 RES, 0.05, 1%, 2 W, 2512 RES, 866, 1%, 0.1 W, 0603	0603 0603 0603 2512 0603
29 F 30 F	R4, R10 R5, R12 R6, R13 R7, R14 R15, R27 R16 R26	2 2 2 2 2 2 2	100 191k 4.99k 0.05 866 8.66k	RC0603FR-07100RL CRCW0603191KFKEA CRCW06034K99FKEA CSRN2512FK50L0CT-ND CRCW0603866RFKEA CRCW06038K66FKEA	Yageo America Vishay-Dale Vishay-Dale Stackpole Electronics Inc Vishay-Dale Vishay-Dale	RES, 100, 1%, 0.1 W, 0603 RES, 191 k, 1%, 0.1 W, 0603 RES, 4.99 k, 1%, 0.1 W, 0603 RES, 0.05, 1%, 2 W, 2512 RES, 866, 1%, 0.1 W, 0603 RES, 866 k, 1%, 0.1 W, 0603	0603 0603 0603 2512 0603 0603
29 F 30 F	R4, R10 R5, R12 R6, R13 R7, R14 R15, R27 R16, R26 R17, R25	2 2 2 2 2 2 2 2 2 2 2 2	100 191k 4.99k 0.05 866 8.66k 86.6k	RC0603FR-07100RL CRCW0603191KFKEA CRCW060348499FKEA CSRN2512FK50L0CT-ND CRCW06038666FKEA CRCW06038666FKEA CRCW06038666FKEA	Yageo America Vishay-Dale Vishay-Dale Stackpole Electronics Inc Vishay-Dale Vishay-Dale Vishay-Dale	RES, 100, 1%, 0.1 W, 0603 RES, 191 k, 1%, 0.1 W, 0603 RES, 4.99 k, 1%, 0.1 W, 0603 RES, 0.05, 1%, 2 W, 2512 RES, 866, 1%, 0.1 W, 0603 RES, 8.66 k, 1%, 0.1 W, 0603 RES, 8.66 k, 1%, 0.1 W, 0603	0603 0603 0603 2512 0603 0603 0603
29 F 30 F 31 F	R4, R10 R5, R12 R6, R13 R7, R14 R15, R27 R16, R26 R17, R25 R18, R24	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	100 191k 4.99k 0.05 866 8.66k 86.6k 86.6k	RC0603FR-07100RL CRCW0603191KFKEA CRCW06034K99FKEA CSRN2512FK50L0CT-ND CRCW0603866RFKEA CRCW0603866FKEA CRCW0603866FKEA CRCW0603866FKEA CRCW0603866FKEA CRCW060386FKEA	Yageo America Vishay-Dale Stackpole Electronics Inc Vishay-Dale Vishay-Dale Vishay-Dale Vishay-Dale	RES, 100, 1%, 0.1 W, 0603 RES, 191 k, 1%, 0.1 W, 0603 RES, 4.99 k, 1%, 0.1 W, 0603 RES, 0.05, 1%, 2 W, 2512 RES, 866, 1%, 0.1 W, 0603 RES, 8.66 k, 1%, 0.1 W, 0603 RES, 86.6 k, 1%, 0.1 W, 0603 RES, 86.6 k, 1%, 0.1 W, 0603 RES, 86.6 k, 1%, 0.1 W, 0603	0603 0603 0603 2512 0603 0603 0603 0603
29 F 30 F 31 F 32 F	R4, R10 R5, R12 R6, R13 R7, R14 R15, R27 R16, R26 R17, R25 R18, R24 R19, R23	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	100 191k 4.99k 0.05 866 8.66k 86.6k 866k 33.0k	RC0603FR-07100RL CRCW0603191KFKEA CRCW06034K99FKEA CSRN2512FK50L0CT-ND CRCW0603866RFKEA CRCW06038K6FKEA CRCW060386K6FKEA CRCW060386K6FKEA CRCW060386K6FKEA CRCW060338K6FKEA CRCW060338K6FKEA CRCW060338K6FKEA	Yageo America Vishay-Dale Vishay-Dale Stackpole Electronics Inc Vishay-Dale Vishay-Dale Vishay-Dale Vishay-Dale Vishay-Dale	RES, 100, 1%, 0.1 W, 0603 RES, 191 k, 1%, 0.1 W, 0603 RES, 4.99 k, 1%, 0.1 W, 0603 RES, 0.05, 1%, 2 W, 2512 RES, 866, 1%, 0.1 W, 0603 RES, 8.66 k, 1%, 0.1 W, 0603	0603 0603 0603 2512 0603 0603 0603 0603 0603
29 F 30 F 31 F 32 F 33 F	R4, R10 R5, R12 R6, R13 R7, R14 R15, R27 R16, R26 R17, R25 R18, R24 R19, R23 R20	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 1	100 191k 4.99k 0.05 866 8.66k 86.6k 866k 33.0k 1 50k	RC0603FR-07100RL CRCW0603191KFKEA CRCW06034K99FKEA CSRN2512FK50L0CT-ND CRCW0603866FFKEA CRCW0603866FKEA CRCW0603866FKEA CRCW0603866FKEA CRCW0603866FKEA CRCW0603386FFKEA CRCW0603386FKEA CRCW0603380FKEA CRCW0603330FKEA	Yageo America Vishay-Dale Vishay-Dale Stackpole Electronics Inc Vishay-Dale Vishay-Dale Vishay-Dale Vishay-Dale Vishay-Dale Vishay-Dale	RES, 100, 1%, 0.1 W, 0603 RES, 191 k, 1%, 0.1 W, 0603 RES, 4.99 k, 1%, 0.1 W, 0603 RES, 0.05, 1%, 2 W, 2512 RES, 866, 1%, 0.1 W, 0603 RES, 866 k, 1%, 0.1 W, 0603 RES, 33.0 k, 1%, 0.1 W, 0603 RES, 0.05 k, 1%, 0.1 W, 0603	0603 0603 0603 2512 0603 0603 0603 0603 0603 0603 0603
29 F 30 F 31 F 32 F 33 F 34 F	R4, R10 R5, R12 R6, R13 R7, R14 R15, R27 R16, R26 R17, R25 R18, R24 R19, R23 R20 R20	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	100 191k 4.99k 0.05 866 8.66k 86.6k 866k 33.0k 1.50k	RC0603FR-07100RL CRCW0603191KFKEA CRCW06034K99FKEA CSRN2512FK50L0CT-ND CRCW0603866FKEA CRCW0603866FKEA CRCW0603866FKEA CRCW0603866FKEA CRCW0603866FKEA CRCW06033866FKEA CRCW06033866FKEA CRCW06033866FKEA CRCW06033866FKEA CRCW06033866FKEA CRCW0603330375	Yageo America Vishay-Dale Vishay-Dale Stackpole Electronics Inc Vishay-Dale Vishay-Dale Vishay-Dale Vishay-Dale Vishay-Dale Yishay-Dale Yageo America	RES, 100, 1%, 0.1 W, 0603 RES, 191 k, 1%, 0.1 W, 0603 RES, 4.99 k, 1%, 0.1 W, 0603 RES, 0.05, 1%, 2 W, 2512 RES, 866, 1%, 0.1 W, 0603 RES, 8.66 k, 1%, 0.1 W, 0603 RES, 1.50 k, 1%, 0.1 W, 0603 RES, 1.50 k, 1%, 0.1 W, 0603	0603 0603 0603 2512 0603 0603 0603 0603 0603 0603 0603 0603 0603 0603 0603 0603 0603 0603
29 F 30 F 31 F 32 F 33 F 34 F 35 F	R4, R10 R5, R12 R6, R13 R7, R14 R15, R27 R16, R26 R17, R25 R18, R24 R18, R24 R19, R23 R20 R21 R20 R21	2 2 2 2 2 2 2 2 2 2 2 2 2 2 1 1 1	100 191k 4.99k 0.05 866 8.66k 86.6k 86.6k 866k 33.0k 1.50k 0	RC0603FR-07100RL CRCW0603191KFKEA CRCW06034K99FKEA CRCW0603866RFKEA CRCW0603866FKEA CRCW0603866FKEA CRCW0603866FKEA CRCW0603866FKEA CRCW0603366FKEA CRCW0603366FKEA CRCW0603360FKEA CRCW060333K0FKEA RC0603FR-071K5L CRCW120600020EA DR0W060020EA	Yageo America Vishay-Dale Vishay-Dale Stackpole Electronics Inc Vishay-Dale Vishay-Dale Vishay-Dale Vishay-Dale Vishay-Dale Yageo America Vishay-Dale	RES, 100, 1%, 0.1 W, 0603 RES, 191 k, 1%, 0.1 W, 0603 RES, 4.99 k, 1%, 0.1 W, 0603 RES, 0.05, 1%, 2 W, 2512 RES, 866, 1%, 0.1 W, 0603 RES, 8.66 k, 1%, 0.1 W, 0603 RES, 3.3.0 k, 1%, 0.1 W, 0603 RES, 1.50 k, 1%, 0.1 W, 0603 RES, 1.50 k, 1%, 0.1 W, 0603 RES, 0, 5%, 0.25 W, 1206 RES, 0, 5%, 0.25 W, 1406	0603 0603 0603 0603 2512 0603 0603 0603 0603 0603 0603 0603 0603 0603 0603 0603 0603 0603 0603 0603 0603 0603
29 F 30 F 31 F 32 F 33 F 34 F 35 F 36 F	R4, R10 R5, R12 R6, R13 R7, R14 R15, R27 R16, R26 R17, R25 R18, R24 R19, R23 R20 R21 R22, R28 R22 R29	2 2 2 2 2 2 2 2 2 2 2 2 2 2 1 1 2 2 2 2	100 191k 4.99k 0.05 866 8.66k 86.6k 866k 33.0k 1.50k 0 2.20k	RC0603FR-07100RL CRCW0603191KFKEA CRCW06034K99FKEA CSRN2512FK50L0CT-ND CRCW0603866RFKEA CRCW0603866FKEA CRCW06038286FKEA CRCW06032840FKEA CRCW12060000Z0EA CRCW06032820FKEA OPD0W060244067KEA	Yageo America Vishay-Dale Vishay-Dale Stackpole Electronics Inc Vishay-Dale Vishay-Dale Vishay-Dale Vishay-Dale Vishay-Dale Vishay-Dale Vishay-Dale Vishay-Dale Vishay-Dale	RES, 100, 1%, 0.1 W, 0603 RES, 191 k, 1%, 0.1 W, 0603 RES, 4.99 k, 1%, 0.1 W, 0603 RES, 0.05, 1%, 2 W, 2512 RES, 866, 1%, 0.1 W, 0603 RES, 8.66 k, 1%, 0.1 W, 0603 RES, 8.66 k, 1%, 0.1 W, 0603 RES, 866 k, 1%, 0.1 W, 0603 RES, 866 k, 1%, 0.1 W, 0603 RES, 866 k, 1%, 0.1 W, 0603 RES, 856 k, 1%, 0.1 W, 0603 RES, 1.50 k, 1%, 0.1 W, 0603 RES, 1.50 k, 1%, 0.1 W, 0603 RES, 0, 5%, 0.25 W, 1206 RES, SMD 2.2K CHM 1% 1/10W 0603 RES 0, 12 (0) (1) W, 0203	0603 0603 0603 0603 2512 0603 0603 0603 0603 0603 0603 0603 0603 0603 0603 0603 0603 0603 0603 0603 0603 0603
29 F 30 F 31 F 32 F 33 F 34 F 35 F 36 F 37 F	R4, R10 R5, R12 R6, R13 R7, R14 R15, R27 R16, R26 R17, R25 R18, R24 R19, R23 R20 R20 R21 R22, R28 R29, R30	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 1 1 1 2	100 191k 4.99k 0.05 866 866 866k 866k 866k 33.0k 1.50k 0 2.20k 4.02k	RC0603FR-07100RL CRCW0603191KFKEA CRCW06034K99FKEA CSRN2512FK50L0CT-ND CRCW0603866FKEA CRCW0603866FKEA CRCW0603866FKEA CRCW06033866FKEA CRCW06033866FKEA CRCW06033860FKEA CRCW060338K0FKEA CRCW060333K0FKEA CRCW06037F-071K5L CRCW120600020EA CRCW06032K20FKEA CRCW06034K02FKEA	Yageo America Vishay-Dale Vishay-Dale Stackpole Electronics Inc Vishay-Dale Vishay-Dale Vishay-Dale Vishay-Dale Vishay-Dale Yageo America Vishay-Dale Vishay-Dale Vishay-Dale Vishay-Dale	RES, 100, 1%, 0.1 W, 0603 RES, 191 k, 1%, 0.1 W, 0603 RES, 4.99 k, 1%, 0.1 W, 0603 RES, 0.05, 1%, 2 W, 2512 RES, 866, 1%, 0.1 W, 0603 RES, 866 k, 1%, 0.1 W, 0603 RES, 1.50 k, 1%, 0.1 W, 0603 RES, 1.50 k, 1%, 0.1 W, 0603 RES, 0, 5%, 0.25 W, 1206 RES SMD 2.2K OHM 1% 1/10W 0603 RES, 4.02 k, 1%, 0.1 W, 0603	0603 0603 0603 0603 0603 0603 0603 0603 0603 0603 0603 0603 0603 0603 0603 0603 0603 0603 0603 0603 0603 0603 0603 0603 0603 0603
29 F 30 F 31 F 32 F 33 F 34 F 35 F 36 F 37 F 38 T	R4, R10 R5, R12 R6, R13 R7, R14 R15, R27 R16, R26 R17, R25 R18, R24 R19, R23 R20 R20 R21 R22, R28 R29, R30 TP1, TP2, TP3,	2 2 2 2 2 2 2 2 2 2 2 2 2 2 1 1 2 2 2 2	100 191k 4.99k 0.05 866 8.66k 86.6k 86.6k 866k 33.0k 1.50k 0 2.20k 4.02k Red	RCC603FR-07100RL CRCW0603191KFKEA CRCW06034K99FKEA CSRN2512FK50L0CT-ND CRCW06038666FKEA CRCW06038666FKEA CRCW0603866FKEA CRCW06033866FKEA CRCW06033866FKEA CRCW06033360FKEA CRCW06033360FKEA CRCW06033360FKEA CRCW0603260FKEA CRCW1206000Z0EA CRCW06032K20FKEA CRCW06034K02FKEA S000	Yageo America Vishay-Dale Vishay-Dale Stackpole Electronics Inc Vishay-Dale Vishay-Dale Vishay-Dale Vishay-Dale Yageo America Vishay-Dale Vishay-Dale Vishay-Dale Vishay-Dale Vishay-Dale Vishay-Dale Vishay-Dale Keystone	RES, 100, 1%, 0.1 W, 0603 RES, 191 k, 1%, 0.1 W, 0603 RES, 4.99 k, 1%, 0.1 W, 0603 RES, 0.05, 1%, 2 W, 2512 RES, 866, 1%, 0.1 W, 0603 RES, 866 k, 1%, 0.1 W, 0603 RES, 1.50 k, 1%, 0.1 W, 0603 RES, 1.50 k, 1%, 0.1 W, 0603 RES, 1.50 k, 1%, 0.1 W, 0603 RES MD 2.2K OHM 1% 1/10W 0603 RES, 4.02 k, 1%, 0.1 W, 0603 Test Point, Miniature, Red, TH	0603 0603 0603 2512 0603 0603 0603 0603 0603 0603 0603 0603 0603 0603 0603 0603 0603 0603 0603 0603 0603 0603 0603 0603 0603 0603 0603 0603 0603 0603
29 F 30 F 31 F 32 F 33 F 34 F 35 F 36 F 37 F 38 T 7	R4, R10 R5, R12 R6, R13 R7, R14 R15, R27 R16, R26 R17, R25 R18, R24 R18, R24 R19, R23 R20 R21 R22, R28 R29, R30 TP1, TP2, TP3, TP4, TP5, TP6,	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 1 1 2 2 2 2 1 9	100 191k 4.99k 0.05 866 8.66k 86.6k 86.6k 866k 33.0k 1.50k 0 2.20k 4.02k Red	RC0603FR-07100RL CRCW0603191KFKEA CRCW06034K99FKEA CRCW0603866RFKEA CRCW0603866FKEA CRCW0603866FKEA CRCW0603866FKEA CRCW0603866FKEA CRCW06033666FKEA CRCW0603366FKEA CRCW0603360FKEA CRCW060333K0FKEA CRCW120600020EA CRCW06032K20FKEA CRCW06032K20FKEA CRCW06032K20FKEA CRCW06032K20FKEA CRCW06032K20FKEA CRCW06032K20FKEA CRCW06032K20FKEA	Yageo America Vishay-Dale Vishay-Dale Stackpole Electronics Inc Vishay-Dale Vishay-Dale Vishay-Dale Vishay-Dale Yageo America Vishay-Dale Vishay-Dale Vishay-Dale Vishay-Dale Vishay-Dale Vishay-Dale Keystone	RES, 100, 1%, 0.1 W, 0603 RES, 191 k, 1%, 0.1 W, 0603 RES, 191 k, 1%, 0.1 W, 0603 RES, 0.05, 1%, 2 W, 2512 RES, 866, 1%, 0.1 W, 0603 RES, 8.66 k, 1%, 0.1 W, 0603 RES, 1.50 k, 1%, 0.1 W, 0603 RES, 1.50 k, 1%, 0.1 W, 0603 RES, 0, 5%, 0.25 W, 1206 RES, MD 2.2K OHM 1% 1/10W 0603 RES, 4.02 k, 1%, 0.1 W, 0603 Test Point, Miniature, Red, TH	0603 0603 0603 2512 0603 0603 0603 0603 0603 0603 0603 0603 0603 0603 0603 0603 0603 0603 0603 0603 0603 0603 0603 0603 0603 0603 0603 0603 0603 0603 7 7 7 7 7 7 7 7
29 F 30 F 31 F 32 F 33 F 34 F 35 F 36 F 37 F 38 T 1 7 7	R4, R10 R5, R12 R6, R13 R7, R14 R15, R27 R16, R26 R17, R25 R18, R24 R19, R23 R20 R21 R22, R28 R29, R30 TP1, TP2, TP3, TP4, TP5, TP6, TP7, TP8, TP9,	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	100 191k 4.99k 0.05 866 8.66k 866k 33.0k 1.50k 0 2.20k 4.02k Red	RC0603FR-07100RL CRCW0603191KFKEA CRCW06034K99FKEA CSRN2512FK50L0CT-ND CRCW0603866RFKEA CRCW0603866FKEA CRCW0603866FKEA CRCW060338K6FKEA CRCW060338K6FKEA CRCW060338K6FKEA CRCW060333K0FKEA CRCW060333K0FKEA CRCW12060000Z0EA CRCW06032K20FKEA CRCW06034K02FKEA S000	Yageo America Vishay-Dale Vishay-Dale Stackpole Electronics Inc Vishay-Dale Vishay-Dale Vishay-Dale Vishay-Dale Vishay-Dale Vishay-Dale Vishay-Dale Vishay-Dale Vishay-Dale Vishay-Dale Vishay-Dale Keystone	RES, 100, 1%, 0.1 W, 0603 RES, 191 k, 1%, 0.1 W, 0603 RES, 191 k, 1%, 0.1 W, 0603 RES, 0.05, 1%, 2 W, 2512 RES, 866, 1%, 0.1 W, 0603 RES, 8.66 k, 1%, 0.1 W, 0603 RES, 1.50 k, 1%, 0.1 W, 0603 RES, 1.50 k, 1%, 0.1 W, 0603 RES, 0, 5%, 0.25 W, 1206 RES SMD 2.2K OHM 1% 1/10W 0603 RES, 4.02 k, 1%, 0.1 W, 0603 RES Point, Miniature, Red, TH	0603 0603 0603 2512 0603 0603 0603 0603 0603 0603 0603 0603 0603 0603 0603 0603 0603 0603 0603 0603 1206 0603 0603 0603 Red Miniature Testpoint
29 F 30 F 31 F 32 F 33 F 34 F 35 F 36 F 37 F 38 T 1 7 1 7	R4, R10 R5, R12 R6, R13 R7, R14 R15, R27 R16, R26 R17, R25 R18, R24 R19, R23 R20 R21 R22, R28 R29, R30 TP1, TP2, TP3, TP4, TP5, TP6, TP4, TP5, TP6, TP4, TP5, TP6, TP1, TP8, TP9, TP10, TP11,	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	100 191k 4.99k 0.05 866 8.66k 86.6k 866k 33.0k 1.50k 0 2.20k 4.02k Red	RC0603FR-07100RL CRCW0603191KFKEA CRCW06034K99FKEA CSRN2512FK50L0CT-ND CRCW0603866RFKEA CRCW06038666FKEA CRCW06038666FKEA CRCW06038666FKEA CRCW060338K0FKEA CRCW060338K0FKEA CRCW060338K0FKEA CRCW06032K20FKEA CRCW12060000Z0EA CRCW06032K20FKEA CRCW06034K02FKEA 5000	Yageo America Vishay-Dale Vishay-Dale Stackpole Electronics Inc Vishay-Dale Vishay-Dale Vishay-Dale Vishay-Dale Vishay-Dale Vishay-Dale Vishay-Dale Vishay-Dale Vishay-Dale Vishay-Dale Vishay-Dale Keystone	RES, 100, 1%, 0.1 W, 0603 RES, 191 k, 1%, 0.1 W, 0603 RES, 4.99 k, 1%, 0.1 W, 0603 RES, 0.05, 1%, 2 W, 2512 RES, 866, 1%, 0.1 W, 0603 RES, 866, 1%, 0.1 W, 0603 RES, 866 k, 1%, 0.1 W, 0603 RES, 1.50 k, 1%, 0.1 W, 0603 RES, 1.50 k, 1%, 0.1 W, 0603 RES, 0.5%, 0.25 W, 1206 RES SMD 2.2K OHM 1% 1/10W 0603 RES, 4.02 k, 1%, 0.1 W, 0603 RES, 4.02 k, 1%, 0.1 W, 0603 RES Point, Miniature, Red, TH	0603 0603 0603 2512 0603 0603 0603 0603 0603 0603 0603 060
29 F 30 F 31 F 32 F 33 F 34 F 35 F 36 F 36 F 37 F 38 T 1 1 1 1 1 1 1 1 1 1 1 1 1	R4, R10 R5, R12 R6, R13 R7, R14 R15, R27 R16, R26 R17, R25 R18, R24 R19, R23 R20 R20 R21 R22, R28 R29, R30 TP1, TP2, TP3, TP4, TP5, TP6, TP7, TP8, TP9, TP10, TP11, TP12, TP13,	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	100 191k 4.99k 0.05 866 866k 86.6k 86.6k 866k 33.0k 1.50k 0 2.20k 4.02k Red	RC0603FR-07100RL CRCW0603191KFKEA CRCW06034K99FKEA CSRN2512FK50L0CT-ND CRCW0603866RFKEA CRCW06038666FKEA CRCW0603866KFKEA CRCW06033866KFKEA CRCW0603386KFKEA CRCW060338K0FKEA CRCW060333K0FKEA CRCW06032K20FKEA CRCW1206000020EA CRCW06032K20FKEA CRCW06034K02FKEA 5000	Yageo America Vishay-Dale Vishay-Dale Stackpole Electronics Inc Vishay-Dale Vishay-Dale Vishay-Dale Vishay-Dale Vishay-Dale Yageo America Vishay-Dale Vishay-Dale Vishay-Dale Vishay-Dale Vishay-Dale Keystone	RES, 100, 1%, 0.1 W, 0603 RES, 191 k, 1%, 0.1 W, 0603 RES, 4.99 k, 1%, 0.1 W, 0603 RES, 866, 1%, 0.1 W, 0603 RES, 866, 1%, 0.1 W, 0603 RES, 866 k, 1%, 0.1 W, 0603 RES, 1.50 k, 1%, 0.1 W, 0603 RES, 1.50 k, 1%, 0.1 W, 0603 RES, 0.5%, 0.25 W, 1206 RES MD 2.2K OHM 1% 1/10W 0603 RES, 4.02 k, 1%, 0.1 W, 0603 Test Point, Miniature, Red, TH	0603 0603 0603 2512 0603 0603 0603
29 F 30 F 31 F 32 F 33 F 34 F 35 F 36 F 37 F 38 T 1 1 1 1 1 1 1 1 1 1 1 1 1	R4, R10 R5, R12 R6, R13 R7, R14 R15, R27 R16, R26 R17, R25 R18, R24 R19, R23 R20 R21 R22, R28 R29, R30 TP1, TP2, TP3, TP4, TP5, TP6, TP7, TP8, TP9, TP10, TP11, TP12, TP13, TP14, TP15,	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 1 1 2 2 2 1 1 9	100 191k 4.99k 0.05 866 8.66k 866k 33.0k 1.50k 0 2.20k 4.02k Red	RC0603FR-07100RL CRCW0603191KFKEA CRCW06034K99FKEA CRCW0603866RFKEA CRCW0603866FKEA CRCW0603866FKEA CRCW0603866FKEA CRCW0603866FKEA CRCW0603866FKEA CRCW0603360FKEA CRCW060333K0FKEA CRCW060332K0FKEA CRCW120600020EA CRCW06032K20FKEA CRCW06032K20FKEA CRCW06034K02FKEA CRCW06034K02FKEA	Yageo America Vishay-Dale Vishay-Dale Stackpole Electronics Inc Vishay-Dale Vishay-Dale Vishay-Dale Vishay-Dale Yageo America Vishay-Dale Vishay-Dale Vishay-Dale Vishay-Dale Vishay-Dale Keystone	RES, 100, 1%, 0.1 W, 0603 RES, 191 k, 1%, 0.1 W, 0603 RES, 4.99 k, 1%, 0.1 W, 0603 RES, 0.05, 1%, 2 W, 2512 RES, 866, 1%, 0.1 W, 0603 RES, 866 k, 1%, 0.1 W, 0603 RES, 1.50 k, 1%, 0.1 W, 0603 RES, 1.50 k, 1%, 0.1 W, 0603 RES, 0, 5%, 0.25 W, 1206 RES MD 2.2K OHM 1% 1/10W 0603 RES, MD 2.4k, 0HM 1% 1/10W 0603 RES, MD 2.4k, 0HM 1% 1/10W 0603 RES AND 2.4k, 0.1 W, 0603 RES Point, Miniature, Red, TH	0603 0603 2512 0603 2512 0603 0603 0603 0603 0603 0603 0603 060
29 F 30 F 31 F 32 F 33 F 34 F 35 F 36 F 37 F 38 T 1 7 1 7 1 7	R4, R10 R5, R12 R6, R13 R7, R14 R15, R27 R16, R26 R17, R25 R18, R24 R19, R23 R20 R21 R22, R28 R29, R30 TP1, TP2, TP3, TP4, TP5, TP6, TP7, TP8, TP9, TP10, TP11, TP14, TP15, TP14, TP15, TP14, TP15, TP14, TP15, TP14, TP15, TP14, TP15, TP14, TP15, TP14, TP15, TP14, TP15, TP16, TP17,	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 1 1 2 2 2 1 9	100 191k 4.99k 0.05 866 8.66k 86.6k 866k 33.0k 1.50k 0 2.20k 4.02k Red	RC0603FR-07100RL CRCW0603191KFKEA CRCW06034K99FKEA CSRN2512FK50L0CT-ND CRCW0603866FKEA CRCW0603866FKEA CRCW0603866FKEA CRCW0603866FKEA CRCW060338K6FKEA CRCW060338K6FKEA CRCW060333K0FKEA CRCW060333K0FKEA CRCW060332K20FKEA CRCW06032K20FKEA CRCW06034K02FKEA S000	Yageo America Vishay-Dale Vishay-Dale Stackpole Electronics Inc Vishay-Dale Vishay-Dale Vishay-Dale Vishay-Dale Vishay-Dale Vishay-Dale Vishay-Dale Vishay-Dale Vishay-Dale Vishay-Dale Keystone	RES, 100, 1%, 0.1 W, 0603 RES, 191 k, 1%, 0.1 W, 0603 RES, 191 k, 1%, 0.1 W, 0603 RES, 0.05, 1%, 2 W, 2512 RES, 8.66 k, 1%, 0.1 W, 0603 RES, 3.3.0 k, 1%, 0.1 W, 0603 RES, 3.3.0 k, 1%, 0.1 W, 0603 RES, 0.5 k, 1%, 0.1 W, 0603 RES, 0.5 k, 1%, 0.1 W, 0603 RES, 0.5 k, 1%, 0.1 W, 0603 RES, 1.50 k, 1%, 0.1 W, 0603 RES, 1.50 k, 1%, 0.1 W, 0603 RES, 0.5 k, 1%, 0.1 W, 0603 RES MD 2.2K OHM 1% 1/10W 0603 RES, 4.02 k, 1%, 0.1 W, 0603 Test Point, Miniature, Red, TH	0603 0603 0603 2512 0603 0603 0603 0603 0603 0603 0603 060
29 F 30 F 31 F 32 F 33 F 34 F 35 F 36 F 37 F 38 T T T T T T T	R4, R10 R5, R12 R6, R13 R7, R14 R15, R27 R16, R26 R17, R25 R18, R24 R19, R23 R20 R21 R22, R28 R29, R30 TP1, TP2, TP3, TP4, TP5, TP6, TP7, TP8, TP9, TP10, TP11, TP14, TP15, TP14, TP15, TP14, TP15, TP16, TP17, TP18, TP19	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	100 191k 4.99k 0.05 866 8.66k 866k 33.0k 1.50k 0 2.20k 4.02k Red	RC0603FR-07100RL CRCW0603191KFKEA CRCW06034K99FKEA CSRN2512FK50L0CT-ND CRCW0603866FKEA CRCW0603866FKEA CRCW0603866FKEA CRCW060338K6FKEA CRCW060338K0FKEA CRCW060338K0FKEA CRCW060338K0FKEA CRCW060338K0FKEA CRCW06032K20FKEA CRCW12060000Z0EA CRCW06032K20FKEA CRCW06034K02FKEA 5000	Yageo America Vishay-Dale Vishay-Dale Stackpole Electronics Inc Vishay-Dale Vishay-Dale Vishay-Dale Vishay-Dale Vishay-Dale Vishay-Dale Vishay-Dale Vishay-Dale Vishay-Dale Vishay-Dale Keystone	RES, 100, 1%, 0.1 W, 0603 RES, 191 k, 1%, 0.1 W, 0603 RES, 4.99 k, 1%, 0.1 W, 0603 RES, 8.05, 1%, 2 W, 2512 RES, 866, 1%, 0.1 W, 0603 RES, 866, 1%, 0.1 W, 0603 RES, 866 k, 1%, 0.1 W, 0603 RES, 33.0 k, 1%, 0.1 W, 0603 RES, 1.50 k, 1%, 0.1 W, 0603 RES, 0.50%, 0.25 W, 1206 RES SMD 2.2K OHM 1% 1/10W 0603 RES, 4.02 k, 1%, 0.1 W, 0603 RES, 4.02 k, 1%, 0.1 W, 0603 RES Proint, Miniature, Red, TH	0603 0603 0603 2512 0603 0603 0603 0603 0603 0603 0603 060
29 F 30 F 31 F 32 F 33 F 34 F 35 F 36 F 37 F 38 T T T T T T 38 T	R4, R10 R5, R12 R6, R13 R7, R14 R15, R27 R16, R26 R17, R25 R18, R24 R19, R23 R20 R21 R22, R28 R29, R30 TP1, TP2, TP3, TP4, TP5, TP6, TP7, TP8, TP9, TP10, TP11, TP12, TP13, TP14, TP15, TP16, TP17, TP16, TP17, TP18, TP19 U1, U3	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	100 191k 4.99k 0.05 866 866 866k 866k 33.0k 1.50k 0 2.20k 4.02k Red	RC0603FR-07100RL CRCW0603191KFKEA CRCW06034K99FKEA CSRN2512FK50L0CT-ND CRCW0603866RFKEA CRCW06038666FKEA CRCW06038666FKEA CRCW060338K0FKEA CRCW060338K0FKEA CRCW060338K0FKEA CRCW060338K0FKEA CRCW060338K0FKEA CRCW06032K20FKEA CRCW06032K20FKEA CRCW06034K02FKEA 5000	Yageo America Vishay-Dale Vishay-Dale Stackpole Electronics Inc Vishay-Dale Vishay-Dale Vishay-Dale Vishay-Dale Vishay-Dale Vishay-Dale Vishay-Dale Vishay-Dale Vishay-Dale Vishay-Dale Keystone	RES, 100, 1%, 0.1 W, 0603 RES, 191 k, 1%, 0.1 W, 0603 RES, 4.99 k, 1%, 0.1 W, 0603 RES, 8.05, 1%, 2 W, 2512 RES, 866, 1%, 0.1 W, 0603 RES, 866 k, 1%, 0.1 W, 0603 RES, 1.50 k, 1%, 0.1 W, 0603 RES, 1.50 k, 1%, 0.1 W, 0603 RES, 1.50 k, 1%, 0.1 W, 0603 RES, 0.5%, 0.25 W, 1206 RES SMD 2.2K OHM 1% 1/10W 0603 RES, 4.02 k, 1%, 0.1 W, 0603 Test Point, Miniature, Red, TH 1.5A Buck LED Driver with Integrated Analog Current Adjust DGO0010D	0603 0603 0603 2512 0603 0603 0603 0603 0603 0603 0603 060
29 F 30 F 31 F 32 F 33 F 34 F 35 F 36 F 37 F 38 T 1 1 1 7 38 T 1 7 38 T 1 7 38 T 1 7 7 7 7 38 T 7 7 7 7 7 7 7 7 7 7 7 7 7	R4, R10 R5, R12 R6, R13 R7, R14 R15, R27 R16, R26 R17, R25 R17, R25 R18, R24 R19, R23 R20 R21 R22, R28 R29, R30 TP1, TP2, TP3, TP4, TP5, TP6, TP7, TP8, TP9, TP10, TP11, TP12, TP13, TP14, TP15, TP16, TP17, TP18, TP19 U1, U3	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	100 191k 4.99k 0.05 866 866k 866k 866k 33.0k 1.50k 0 2.20k 4.02k Red	RC0603FR-07100RL CRCW0603191KFKEA CRCW06034K99FKEA CRCW0603866RFKEA CRCW0603866FKEA CRCW0603866FKEA CRCW0603866FKEA CRCW06033666FKEA CRCW06033666FKEA CRCW060336K0FKEA CRCW060333K0FKEA CRCW060332K0FKEA CRCW06032K20FKEA CRCW06032K20FKEA CRCW06032K20FKEA CRCW06034K02FKEA CRCW06034K02FKEA TPS92513HVDGQR	Yageo America Vishay-Dale Vishay-Dale Stackpole Electronics Inc Vishay-Dale Vishay-Dale Vishay-Dale Vishay-Dale Vishay-Dale Vishay-Dale Vishay-Dale Vishay-Dale Vishay-Dale Vishay-Dale Vishay-Dale Texas Instruments	RES, 100, 1%, 0.1 W, 0603 RES, 191 k, 1%, 0.1 W, 0603 RES, 191 k, 1%, 0.1 W, 0603 RES, 0.05, 1%, 2 W, 2512 RES, 866, 1%, 0.1 W, 0603 RES, 866, 1%, 0.1 W, 0603 RES, 866 k, 1%, 0.1 W, 0603 RES, 1.50 k, 1%, 0.1 W, 0603 RES MD 2.2K OHM 1% 1/10W 0603 RES, 4.02 k, 1%, 0.1 W, 0603 Test Point, Miniature, Red, TH 1.5A Buck LED Driver with Integrated Analog Current Adjust, DGQ0010D	0603 0603 0603 0603 2512 0603 0603 0603 0604 0605 0605 0605 0606 0605 0603 0605 0604 0605 0605
29 F 30 F 31 F 32 F 33 F 34 F 35 F 36 F 36 T 1 1 1 1 1 38 T 1 1 1 1 39 U	R4, R10 R5, R12 R6, R13 R7, R14 R15, R27 R16, R26 R17, R25 R18, R24 R19, R23 R20 R21 R22, R28 R29, R30 TP1, TP2, TP3, TP4, TP5, TP6, TP7, TP8, TP9, TP10, TP11, TP12, TP13, TP14, TP15, TP14, TP15, TP14, TP15, TP14, TP15, TP14, TP19 U1, U3	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 1 1 1 2 2 2 1 9	100 191k 4.99k 0.05 866 8.66k 866k 33.0k 1.50k 0 2.20k 4.02k Red	RC0603FR-07100RL CRCW0603191KFKEA CRCW06034K99FKEA CRCW0603866RFKEA CRCW0603866FKEA CRCW0603866FKEA CRCW060338K6FKEA CRCW060338K6FKEA CRCW060338K6FKEA CRCW060338K6FKEA CRCW060333K0FKEA RC0603FR-071K5L CRCW06032K20FKEA CRCW06032K20FKEA CRCW06034K02FKEA CRCW06034K02FKEA TPS92513HVDGQR OPA376AURBVR	Yageo America Vishay-Dale Stackpole Electronics Inc Vishay-Dale Vishay-Dale Vishay-Dale Vishay-Dale Vishay-Dale Vishay-Dale Vishay-Dale Vishay-Dale Vishay-Dale Vishay-Dale Vishay-Dale Keystone	RES, 100, 1%, 0.1 W, 0603 RES, 191 k, 1%, 0.1 W, 0603 RES, 4.99 k, 1%, 0.1 W, 0603 RES, 8.05, 1%, 2 W, 2512 RES, 8.66 k, 1%, 0.1 W, 0603 RES, 1.50 k, 1%, 0.1 W, 0603 RES, 1.50 k, 1%, 0.1 W, 0603 RES, 0, 5%, 0.25 W, 1206 RES MD 2.2K OHM 1% 1/10W 0603 RES, MD 2.2K OHM 1% 1/10W 0603 RES A.02 k, 1%, 0.1 W, 0603 Test Point, Miniature, Red, TH 1.5A Buck LED Driver with Integrated Analog Current Adjust, DGQ0010D Precision, Low Noise, Low Ig Operational Amplifier, 2.2 to 5.5 V, 40 to	0603 0603 0603 0603 2512 0603 0603 0603 0604 0605 0505 0605

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