















	Description	Designator	Footprint	LibRof CM105X7R105X16ATH	Quantity
IμF	CAP CER 1UF 16V X7R 0603, CAP CER 1UF 3SV X6S 0603, CAP CER 1UF 10V X7R 0603	C1, C2, C9, C24, C25	CAP 0603_1608	GRT188C8YA105KE13 D,	
0.1 μF	CAP CER 0.1UF 25V X7R 0603, CAP CER	C3, C5, C6, C7, C10, C13, C14, C28, C29, C30, C34, C35, C36, C7	CAP 0603_1608	C00603KRX7R6BB105 C0603K104MSRAC786 7,	
	0.1UF 50V X7R 0603 CAP CER 4.7UF 25V			00603C104K5RAC7411	
4.7μF	X65 0603 CAP CER 10UF 16V	C4	CAP 0603_1608	GRT188C81E475KE13D GRT188R61C106ME13	
10 µF	XSR 0603 CAP CER 3300PF 50V	C8	CAP 0603_1608 CAP 0603_1608	D 06035C332JAT2A	
3300pF	X7R 0603 CAP ALUM 22UF 20%	C31, C32, C33	CAP ALSMD 5.3MM	UWR1E220MCL1GB	
22 μF	2SV SMD CAP CER 4.7UF SOV	C37, C38	H5.4MM		
4.7μF		C?	CAP 0805_2012	CL21A475KBQNINNE	
10 µF	CAP CER 10UF 50V X7R 1210 CAP CER 18PF 50V	C?	CAP 1210_3225 - 1MM	CL32B106KBINNNE VJ0603A1800KACW1B	
18 pF	COG/NPO 0603 CAP CER 22UF 25V	C? C2	CAP 0603_1608 CAP 1206_3216 -	C	
22 µF	XSR 1206 CAP CER 2700PF 50V	C7	0.8MM	CL31A226KAHNINNE GRM1885C1H2721AD1	
2700 pF	COG/NPO 0603 LED RED CLEAR CHIP	C?	CAP 0603_1608	D	
Red	SIMD LED GREEN CLEAR	D1	LED 0805_2012 RED	XZURS4W-1	
Green Blue	CHIP SMD LED BLUE CLEAR CHIP	02	LED 0805_2012 GREEN LED 0603 1608 BLUE	XZVG54W-1 LTST-C193TBKT-5A	
Rue Rod	SMD LED RED CLEAR CHIP	DA DA	LED 0603_1608 RED	LTST-C190KAKT	
Green	SMD LED GREEN CLEAR	D6, D8, D11, D15	LED 0603_1608 GREEN	XZVGTS3W-6	
ESD3V3D5B-TP	25MD TVS DIODE 3.3VWM	D5, D8, D11, D15 D6	SOD523F	XZVG153W-6 ESD3V3D5B-TP	
V3FL45-M3/H	12VC SOD523 3A,4SV,SMF,TRENCH	D7	SMF DO-219AB	V3FL45-M3/H	
V3FL45-MS/H SKS6B-LTP	3A, ASV, SMF, TRENCH SKY RECT. DIODE SCHOTTKY 60V	010	DO214AA SMB	V3FL45-M3/H SK568-LTP	$\vdash$
SKS6B-LTP TPD1E10806QDPYRQ1	SA DO214AA TVS DIODE 5.5VWM	D10 D12	DO214AA SMB	SKS68-LTP TPD1E10806QDPVRQ1	$\vdash$
ESD321DPVR	14VC 2X1SON TVS DIODE 3.6VWM	D12 D13, D14	0402	ESD321DPVR	$\vdash$
RT7272BGSP	6.8VC 2X1SON Buck Switching Regulator IC Positive Adjustable 0.8V 1 Output 3A 8-SOIC	IC1	RT72728GSP-	CMP-00068-2	
	Output 3A 8-SOIC (0.154, 3.90mm Width) Exposed Pad IC BRUSHED DC		Footprint-1		L
DRV8871DDAR	MOTOR 8SOIC	IC3	DRV8871DDAR- Footprint-1	CMP-00069-1	
AP7366-W5-7	LDO Regulator Positive Adj 0.8V to SV 600mA 5-Pin SOT- 25 T/R	IC?	AP7366-W5-7- Footprint-1	CMP-00074-1	
NXB0104PWI	Voltage Level Translator Bidirectional 2 Circuit	IC?	TSOP65P640X120-14N	CMP-00073-2	
10118193-0001LF	4 Channel 100Mbps 14-TSSOP CONN ROPT USB2.0 MICRO B SMD R/A	an .	FCI USB 10118193- 0001LF	10118193-0001LF	L
43650-0200	Connector Header 2 Position 3 mm Solder Right Angle Thru- Hole 2 Terminal 1 Port Micro-Fit 3.0**	12, 14, 15	43650-0200-Footprint	CMP-00070-1	
43650-0400	Connector Wire to Board Header 4 Position 3mm Solder Right Angle Thru-	13	43650-0400-Footprint	CMP-00071-1	
4.7 μH	Hole Tray FIXED IND 4.7UH 1.9A 84 MOHM SMD FIXED IND 100 H 1.4A	L?	BOURNS SRN4018	SRN4018-4R7M	
10 <sub>14</sub> H	FIXED IND 10UH 1.4A 63.6 MOHM	L?	TDK SLF7032	SLF7032T-100M1R4- 2PF	
Exposed Mounting Hole M3	MS Mounting Hole Exposed	MH1, MH2	Mounting Hole M3- Footprint-1	CMP-00028-00002-1	
BC817,215	TRANS NPN 45V 500MA TO236AB	01, 02	FP-SOT23-IPC_C	CMP-14406-000041-1	
10 kOhms	RES SMD 10K OHM 1% 1/10W 0603, RES 10K OHM 1% 1/5W 0603	R1, R4, R5, R6, R10, R15, R36, R37, R?	RES 0603_1608	RT0603FRE0710KL, RC0603FR-7W10KL	
1 kOhms	RES SMD 1K OHM 1% 1/10W 0603	R2, R3, R7, R8, R9	RES 0603_1608	CRCW06031KD0FKEB, RT0603FRE071KL	
120 Ohms	RES 120 OHM 1% 1/10W 0603	R11	RES 0603_1608	RMCF0603FT120R	
0 Ohms	RES O OHM JUMPER 0603	R12, R13, R22, R27, R?	RES 0603_1608	TLRZ1JTTD	
3.3 kOhms	RES SMD 3.3K OHM 1% 1/10W 0603, RES 3.3K OHM 1% 1/10W 0603	R24, R?	RES 0603_1608	ERJ-3EKF3301V, RMCF0603FT3K30	
	0603 RES 0.1 OHM 1% 1/2W 1210	R31	RES 1210_3225	PL73H2ER10FTDF	
100 mOhms			RES 0603_1608	ERJ-3EKF4700V	
100 mOhms 470 Ohms	RES SMD 470 OHM 1% 1/10W 0603	R32, R34, R35	MES 0803_1608		
	1/10W 0603 RES SMD 154K OHM 1% 1/10W 0603	R32, R34, R35 R33	RES 0603_1608	CRCW0603154KFKEA	
470 Ohms	1/10W 0603 RES SMD 154K OHM 1% 1/10W 0603 RES 22K OHM 1%				
470 Ohms 154 kOhms 22 kOhms 63.4 kOhms	1/10W 0603 RES SMD 154K OHM 1% 1/10W 0603 RES 22K OHM 1% 1/10W 0603 RES 63.4K OHM 1%	R33	RES 0603_1608 RES 0603_1608 RES 0603_1608	ORCW0603154KFKEA ORCW060322K0FKEAC RK73H1JTTD6342F	
470 Ohms 154 kOhms 22 kOhms 63.4 kOhms	1/10W 0603 RES SMD 154K OHM 1% 1/10W 0603 RES 22K OHM 1% 1/10W 0603 RES 63.4K OHM 1% 1/10W 0603 RES 34K OHM 1% 1/10W 0603	R33 R38 R39	RES 0603_1608 RES 0603_1608 RES 0603_1608 RES 0603_1608	ORCW0603154KFKEA ORCW060322K0FKEAC PK73H1JTTD6342F RC0603FR-0734KL	
470 Ohms 154 kOhms 22 kOhms 63.4 kOhms 34 kOhms	1/10W 0603 SES SMD 154K OHM 1% 1/10W 0603 SES 2ZK OHM 1% 1/10W 0603 SES 63.4K OHM 1% 1/10W 0603 SES 34K OHM 1% 1/10W 0603 SES 34K OHM 1% 1/10W 0603 SES SMD 47K OHM 1% 1/10W 0603	R33 R38 R39 R7	RES 0603_1608 RES 0603_1608 RES 0603_1608 RES 0603_1608 RES 0603_1608	CRCW0603154KFKEA CRCW060322K0FKEAC 9K73H1JTTD6342F RC0603FR-0734KL RT0603FRE0747KL	
470 Ohms 154 kOhms 22 kOhms 63.4 kOhms	L/10W 0603 8ES SMD 154K OHM 191 L/10W 0603 8ES 22K OHM 196 L/10W 0603 8ES 548 K OHM 196 L/10W 0603 8ES 34K OHM 196 L/10W 0603 8ES 5MD 47K OHM 196 L/10W 0603 8ES SMD 47K OHM 196 L/10W 0603 8ES SMD 47K OHM 196 L/10W 0603 8ES SMD 68K OHM 196 L/10W 0603	R33 R38 R39 R7 R7	RES 0603_1608  RES 0603_1608  RES 0603_1608  RES 0603_1608  RES 0603_1608  RES 0603_1608	ORCW0603154KFKEA ORCW060322K0FKEAC PK73H1JTTD6342F RC0603FR-0734KL	
470 Ohms 154 kOhms 22 kOhms 63.4 kOhms 34 kOhms	1/10/W 0603 9ES 5MD 154K CHM 1% 1/10/W 0603 9ES 22K CHM 1% 1/10/W 0603 9ES 52K CHM 1% 1/10/W 0603 9ES 63.4K CHM 1% 1/10/W 0603 9ES 5MD 47K CHM 1% 1/10/W 0603 9ES 5MD 47K CHM 1% 1/10/W 0603 9ES 5MD 47K CHM 1% 1/10/W 0603 9ES 5MD 68K CHM 1% 1/10/W 0603 9ES 5MD 68K CHM 1% 1/10/W 0603	R33 R38 R39 R7	RES 0603_1608 RES 0603_1608 RES 0603_1608 RES 0603_1608 RES 0603_1608	CRCW0603154KFKEA CRCW060322K0FKEAC 9K73H1JTTD6342F RC0603FR-0734KL RT0603FRE0747KL	
470 Ohms 154 kOhms 22 kOhms 53.4 kOhms 34 kOhms 47 kOhms	L/10W 0603 8ES SMD 154K OHM 191 L/10W 0603 8ES 22K OHM 196 L/10W 0603 8ES 548 K OHM 196 L/10W 0603 8ES 34K OHM 196 L/10W 0603 8ES 5MD 47K OHM 196 L/10W 0603 8ES SMD 47K OHM 196 L/10W 0603 8ES SMD 47K OHM 196 L/10W 0603 8ES SMD 68K OHM 196 L/10W 0603	R33 R38 R39 R7 R7	RES 0603_1608  RES 0603_1608  RES 0603_1608  RES 0603_1608  RES 0603_1608  RES 0603_1608	ORCW0603154KFKEA ORCW060322K0FKEAC BK73H1JTTD6342F R00603FR-0734KL RT0603FRE0747NL ORCW060368K0FKEA	
470 Ohms 154 KOhms 22 KOhms 53.4 KOhms 34 KOhms 47 KOhms 58 KOhms 1977223-9	\( \triangle \) (100 et al.   100 et al.   1	R33 R38 R39 R? R? R? S1, S2 TP1, TP2, TP3, TP4	RES 0603_1608	CRCWO603154KFKEA CRCWO603125KGFKEAC RK73HIJTTD6342F R00603FR-0734KL RT0603FRE07479L CRCW060358KGFKEA 1977223-9	
470 Ohms 154 kOhms 22 kOhms 53.4 kOhms 53.4 kOhms 47 kOhms 47 kOhms 98 kOhms 1977223-9	LYMON GIGS 155 XMD TSK (CHIS) 185 XMD TSK (CHIS) 186 XMD TSK (CHIS) 186 XMD TSK (CHIS) 185 XM CHIS (C	223 228 229 22 247 25 25 25 27 27 27 28 27 29 29 29 29 29 29 29 29 29 29 29 29 29	825 0402, 1408 825 0402, 1408 825 0402, 1408 825 0402, 1408 825 0402, 1408 825 0402, 1408 825 0402, 1408 825 0402, 1408 825 0402, 1408 11 F9A455MA 11mm Test Polet-Footprint-1 SIAB-GPN-28 3125 14175 IP) SIAB-GPN-28 SIAB-GPN	DECOMORDIS-MEREA DECOMORDIZ-MEREA REZBHITTIDS/ME RE	
670 Ohms 154 AOhms 154 AOhms 22 AOhms 23 AOhms 23 AOhms 23 AOhms 23 AOhms 24 AOhms 25 AOhms 26 A	\$1.000 (600 KG) (600	223 229 27 27 27 27 27 27 27 29 29 29 21 21 21 21 21 21 21 21 21 21 21 21 21	825 0403_1608 825 0403_1608 82	GROWGGIS-GEREA GROWGG	
UP Others 154 ADMIN 152 ADMIN 152 ADMIN 152 ADMIN 152 ADMIN 152 ADMIN 153 ADMIN 154 ADMIN 155 AD	\$1.500 Cell \$1.500	223 229 22 22 22 22 22 22 22 22 22 22 22 22	855 0003, 1608 855 0003, 1608 855 0003, 1608 855 0003, 1608 855 0003, 1608 855 0003, 1608 855 0003, 1608 855 0003, 1608 855 0003, 1608 855 0003, 1608 155 00	GEOWGEITS-GETKEA GEOOGGETE-GETKEAU GEOOGGET-GETKEAU GETKEAU G	
670 Ohms 154 AOhms 154 AOhms 22 AOhms 23 AOhms 23 AOhms 23 AOhms 23 AOhms 24 AOhms 25 AOhms 26 A	\$1.500 (Geof S) \$2.500 (See Geof S) \$2.500 (Se	223 229 27 27 27 27 27 27 27 29 29 29 21 21 21 21 21 21 21 21 21 21 21 21 21	825 0403_1608 825 0403_1608 82	GROWGGIS-GEREA GROWGG	
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UTO Chriss 154 A LOtheris 154 A LOtheris 22 M Chriss 354 A LOtheris 355 A LOTheris 354 A LOTheris 355 A LOTheri	1.7000/1000 COMP. TO 1.7000 FOOD COMP. TO 1.7000 FO	\$23 \$28 \$29 \$27 \$27 \$27 \$27 \$27 \$27 \$28 \$28 \$28 \$28 \$28 \$28 \$28 \$28 \$28 \$28	855 0403_1608 865 0408_1608 865 0408_1608 865 0408_1608 865 0408_1608 865 0408_1608 865 0408_1608 865 0408_1608 86	GEOWOGETS-64TKEA GEOWOG	
UTO Christs 154 ACMINS 155 ACMINS	1.1000/1000 COVID. 1000 COVID.	823 829 827 827 827 827 827 827 827 827 827 827	805 0003, 1000 805 00	GEOMOGED 154 GEORGE GEOMOGED 254 GEORGE GEOM	