









Comment	Description	Designator	Footprint	LibRef	Quantity
100n	CAP CER 10000PF 16V X7R 0402	C1, C2, C3, C4, C5, C13	FP-CC0402-MFG	CMP-03422-000501-1	
4u7	Chip Capacitor, 22 pF, +/- 5%, 50 V, -55 to 125 degC, 0603 (1608	C6	CAPC1608X90X35ML1 0T15	CMP-2000-04945-1	
	Metric), RoHS, Tape and Reel				
12p	CAP CER 10000PF 16V X7R 0402	C7, C8	FP-CC0402-MFG	CMP-03422-000501-1	
	Chip Capacitor, 22 pF,				
2u2	+/- 5%, 50 V, -55 to 125 degC, 0603 (1608 Metric), RoHS, Tape	C9, C10	CAPC1608X90X35ML1 0T15	CMP-2000-04945-1	
	and Reel CAP CER 10000PF 16V				
1u	X7R 0402	C11	FP-CC0402-MFG	CMP-03422-000501-1	
10n	CAP CER 10000PF 16V X7R 0402	C12, C15	FP-CC0402-MFG	CMP-03422-000501-1	
	Multilayer Ceramic Capacitor, C Series,				
10u	0.1 - F, - 5%, X7r, 50 V, 1206 [3216 Metric]	C14, C16, C17	FP-C1206C-EB-MFG	CMP-03020-003996-1	
19-237/R6GHBHC-	Rohs Compliant: Yes LED RGB CLEAR CHIP	D1	FP-12-23A-MFG	CMP-51564-000005-1	
A01/2T	SMD R/A LED GREEN CLEAR	D1	FP-12-23A-MFG FP-LTST-C190GKT-	CMP-51564-000005-1	
RED	CHIP SMD	D2	MFG	CMP-22017-000005-1	
B5819W	Schottky Barrier Rectifier, 20 V, 1 A, - 65 to 150 degC, 2-Pin DO-214AC (SMA),	D3, D4	VISH-DO-214AC_V	CMIP-004-00017-1	
	RoHS. Tape and Reel				
250 mA	NANO2(R) Slo-Blo(R) Fuse, 0.5 A, 125 V, -55				
	to 125 degC, 2-Pin SMD, RoHS, Tape and	F1	LFUS-0452_V	CMP-2000-05698-1	1
	Reel				
	Fixed Inductor, 10 uH, +/-20%, -55 to 125				1
600 @ 600 MHz	degC, 2-Pin SMD (0805), RoHS, Tape	FB1, FB2	MURA-IND0805_L	CMP-2000-06587-1	1
	and Reel				
	Micro USB B Type Receptacle55 to 85		FCI-10118193-0001LF-	C1 #D 2000	
USB_B_Micro 10u	degC, 5-Pin SMD, RoHS. Tape and Reel	J1	5_V	CMP-2000-05119-1	1
	Inductor sunlord	L1		MWSA0518	
	Male Header, Pitch 2.54 mm. 1 x 3				
22-28-4033	Position, Height 8.38	P1	MOLX-22-28-4033_V	CMP-1676-00001-5	1
	mm, Tail Length 3.18 mm, RoHS, Bulk				<u></u>
	Male Header, Pitch 2.54 mm. 1 x 2				
Conn_01x02	Position, Height 8.21	P2	TECO-5-146280-2_V	CMP-2000-07492-1	
	mm, Tail Length 3.05 mm, -65 to 105 degC,	-		U/472° I	1
	RoHS, Bulk				ļ
	Horizontal Surface		SMTC-MMT-104-01-X-		
Conn_01x04	Mount Header, -55 to 125 degC, 2 mm Pitch,	P3, P4, P5, P6, P7, P8	SMTC-MMT-104-01-X-	CMP-1029-00050-1	
	4-Pin, Male, RoHS				
	P-Channel MOSFET, 30 V, 4 A, -55 to 150				1
A03401A	degC, 3-Pin SOT-23- 3L, RoHS, Tape and	Q1	AO-SOT-23-3L_V	CMP-2000-05778-1	
	3L, RoHS, Tape and Reel				
47	1	R1, R2, R3	RESC1005X40X25NL05 T05	CMP-2002-08169-1	1
10k		R4, R5, R6	RESC1005X40X25NL05 T05	CMP-2002-08169-1	
	Chip Resistor, 100				
1k	Ohm, +/- 1%, 0.1 W, - 55 to 155 degC, 0603	R7	RESC1608X55X25ML10	CMP-2100-03663-1	1
	(1608 Metric), RoHS,		T15		1
	Tape and Reel	R8, R9, R10, R11, R12,	RESC1005X40X25NL05		
22	1	R13, R14, R15, R16, R17, R18, R19	T05	CMP-2002-08169-1	
	Chip Resistor, 100				
100k	Ohm, +/- 1%, 0.1 W, - 55 to 155 degC, 0603	R20	RESC1608X55X25ML10	CMP-2100-03663-1	
	(1608 Metric), RoHS, Tape and Reel		T15		
	Chip Resistor, 100				
68k	Ohm, +/- 1%, 0.1 W, -				I
	55 to 155 deaC. 0603	R21	RESC1608X55X25ML10	CMP-2100-03663-1	
	55 to 155 degC, 0603 (1608 Metric), RoHS,	R21	RESC1608X55X25ML10 T15	CMP-2100-03663-1	
	55 to 155 degC, 0603 (1608 Metric), RoHS, Tape and Reel Chip Resistor, 100	R21	RESC1608X55X25ML10 T15	CMP-2100-03663-1	
	55 to 155 degC, 0603 (1608 Metric), RoHS, Tape and Reel Chip Resistor, 100 Ohm. +/- 1%, 0.1 W		T15 RESC1608X55X25ML10		
47k	55 to 155 degC, 0603 (1608 Metric), RoHS, Tape and Reel Chip Resistor, 100 Ohm, +/- 1%, 0.1 W, - 55 to 155 degC, 0603 (1608 Metric), RoHS,	R21	T15	CMP-2100-03663-1	
	55 to 155 degC, 0603 (1608 Metric), RoHS, Tape and Reel Chip Resistor, 100 Ohm, +/- 1%, 0.1 W, - 55 to 155 degC, 0603 (1608 Metric), RoHS, Tape and Reel Chip Resistor, 100		T15 RESC1608X55X25ML10		
47k	55 to 155 degC, 0603 (1608 Metric), RoHS, Tape and Reel Chip Resistor, 100 Ohm, +/- 1%, 0.1 W, - 55 to 155 degC, 0603 (1608 Metric), RoHS, Tape and Reel Chip Resistor, 100 Ohm, +/- 1%, 0.1 W, -	R22	T15 RESC1608X55X25ML10 T15 RESC1608X55X25ML10	CMP-2100-03663-1	
	55 to 155 degC, 0603 (1608 Metric), RoHS, Tape and Reel Chip Resistor, 100 Ohm, +/ 1%, 0.1 W,- 55 to 155 degC, 0603 (1608 Metric), RoHS, Tape and Reel Chip Resistor, 100 Ohm, +/ 1%, 0.1 W,- 50 to 155 degC, 0603 (1608 Metric), RoHS,		T15 RESC1608X55X25ML10 T15		
47k	55 to 155 degC, 0603 (1608 Me tric), RoHS, Tape and Reel Chip Resistor, 100 Ohm, +/- 1%, 0.1 W,- 55 to 155 degC, 0603 (1608 Me tric), RoHS, Tape and Reel Chip Resistor, 100 Ohm, +/- 1%, 0.1 W,- 55 to 155 degC, 0603 (1608 Me tric), RoHS, Tape and Reel Chip Resistor, 100 Chip Resistor, 100 Chip Resistor, 100 Chip Resistor, 100 Chip Resistor, 100 Chip Resistor, 100	R22	T15 RESC1608X55X25ML10 T15 RESC1608X55X25ML10	CMP-2100-03663-1	
47k 15k	St to 155 degC, 0603 (1608 Metric), RoHS, Tape and Reel Chip Resistor, 100 Ohm, vf - 18, 0.1 W, - 55 to 155 degC, 0603 (1608 Metric), RoHS, Tape and Reel Chip Resistor, 100 Ohm, vf - 18, 0.1 W, - 55 to 155 degC, 0603 (1608 Metric), RoHS, Tape and Reel Chip Resistor, 100 Ohm, vf - 18, 0.1 W, -	R22	T15 RESC1608X55X25ML10 T15 RESC1608X55X25ML10	CMP-2100-03663-1 CMP-2100-03663-1	
47k	55 to 155 degC, 0603 (1608 Metric), Roths, Tape and Reel Chip Resistor, 100 Ohm, +/- 1%, 0.1 W, -55 to 155 degC, 0603 (1608 Metric), RoHS, Tape and Reel Chip Resistor, 100 Ohm, +/- 1%, 0.1 W, -55 to 155 degC, 0603 (1608 Metric), RoHS, Tape and Reel Chip Resistor, 100 Ohm, +/- 1%, 0.1 W, -55 to 155 degC, 0603 (1608 Metric), RoHS, Tape and Reel Chip Resistor, 100 Ohm, +/- 1%, 0.1 W, -55 to 155 degC, 0603 (1608 Metric), RoHS, 100 (1608 Metric),	R22	T15 RESC1608X55X25ML10 T15 RESC1608X55X25ML10 T15	CMP-2100-03663-1	
47k 15k	Si to 155 degC, 0603 (1608 Metric), ROHS, Tape and Reel Chip Resistor, 100 Ohm, 47 Hs, 0.1 W,- 55 to 155 degC, 0603 (1608 Metric), ROHS, Tape and Reel Chip Resistor, 100 Ohm, 47 Hs, 0.1 W,- 55 to 155 degC, 0603 (1608 Metric), ROHS, Tape and Reel Chip Resistor, 100 Ohm, 47 Hs, 0.1 W,- 55 to 155 degC, 0603 (1608 Metric), ROHS, Tape and Reel Chip Resistor, 100 Ohm, 47 Hs, 0.1 W,- 55 to 155 degC, 0603	R22	T15 RESC1608X55X25ML10 T15 RESC1608X55X25ML10 T15 RESC1608X55X25ML10	CMP-2100-03663-1 CMP-2100-03663-1	
47k 15k	551 to 155 deg., 00.03 (16.08 Metric), 8045, 17ape and Reel Chip Resistor, 100 chm., +1 %, 0.1 %, 0.1 %, 0.3 (16.08 Metric), 8045, 17ape and Reel Chip Resistor, 100 chm., +1 %, 0.1 %,	R22	T15 RESC1608X55X25ML10 T15 RESC1608X55X25ML10 T15 RESC1608X55X25ML10 T15	CMP-2100-03663-1 CMP-2100-03663-1	
47k 15k	551 to 155 degs, 0003 1 (1688 Metric), Rottis, Tape and Reel Chip Resistor, 100 chm, +/ 1%, 0.1 W., 51 to 155 degs, 0.603 (1688 Metric), Rottis, Tape and Reel Chip Resistor, 100 chm, +/ 1%, 0.1 W., 51 to 155 degs, 0.603 (1688 Metric), Rottis, Tape and Reel Chip Resistor, 100 chm, +/ 1%, 0.1 W., 551 to 155 degs, 0.603 (1688 Metric), Rottis, Tape and Reel Chip Resistor, 100 chm, +/ 1%, 0.1 W., 51 to 155 degs, 0.603 (1688 Metric), Rottis, Tape and Reel Chip Resistor, 100 chm, +/ 1%, 0.1 W., 51 to 155 degs, 0.603 (1688 Metric), Rottis, Tape and Reel Metric), Rottis, Tape and Reel Chip Resistor, 100 chm,	R22	T15 RESC1608X55X25ML10 T15 RESC1608X55X25ML10 T15 RESC1608X55X25ML10	CMP-2100-03663-1 CMP-2100-03663-1	
47k 15k	551 to 155 degs, 0003 (1608 Metris), 0x165, Tape and Reel Chip Resistor, 100 Ohm, +1 1%, 0.1 1%, -151 to 155 degs, 0x03 (1608 Metris), 0x165, Tape and Reel Chip Resistor, 100 Ohm, +7 1%, 0.1 1%, -151 to 155 degs, 0x03 (1608 Metris), 0x165, Tape and Reel Chip Resistor, 100 Ohm, +7 1%, 0.1 1%, -151 to 155 degs, 0x03 (1608 Metris), 0x03 (1708 Metr	R22	T15 RESC1608X55X25ML10 T15 RESC1608X55X25ML10 T15 RESC1608X55X25ML10 T15	CMP-2100-03663-1 CMP-2100-03663-1 CMP-2100-03663-1	
47k 15k	55 to 155 degs, 6003 1 (1008 Metric), Rotts, Tape and Reel (1008 Metric), Rotts, Tape and Reel (1009 M	R22	T15 RESC1668K55X25M£10 T15 RESC1668K55X25M£10 T15 RESC1668K55X25M£10 T15 STM-LQFP64_M	CMP-2100-03663-1 CMP-2100-03663-1 CMP-2100-03663-1 CMP-2100-03663-1	
47k 15k 270 STM32F405RGT6	551 to 155 degs., 6003. 1 (1008 Metris), Rotis, Tape and Reel (1008 Metris), Rotis, Tape and Reel (1008 Metris), Rotis, 100 Metris, 100 Me	R22 R23 R24	T15 RESC1608X55X25ML10 T15 RESC1608X55X25ML10 T15 RESC1608X55X25ML10 T15	CMP-2100-03663-1 CMP-2100-03663-1 CMP-2100-03663-1	
15k 15k 270 STMSZF405RGT6	55 to 155 degs. 6003. 1 (1008 Metris), Rotifs, Tape and Reel Comp Resistor. 1 (1008 Metris), Rotifs, Tape and Reel Comp Resistor. 1 (1008 Metris), Rotifs, Comp Resistor. 1 (1008 Metris), Rotifs, Tape and Reel Comp Resistor. 1 (1008 Metris), Rotifs, Tape and Reel Comp Resistor. 1 (1009 Metris), Rotifs, Tape and Reel Comp Resistor. 1 (1009 Metris), Rotifs, Tape and Reel Comp Resistor. 1 (1009 Metris), Rotifs, Tape and Reel Comp Resistor. 1 (1000 Metris), Rotifs, Tape and Reel Comp Resistor. 1 (1000 Metris), Rotifs, Tape and Reel Comp Resistor. 1 (1000 Metris), Rotifs, Tape and Reel Comp Resistor. 1 (1000 Metris), Rotifs, Tape and Reel Comp Resistor. 1 (1000 Metris), Rotifs, Tape and Reel Comp Resistor. 1 (1000 Metris), Rotifs, Tape and Reel Comp Resistor. 1 (1000 Metris), Rotifs, Tape and Reel Comp Resistor. 1 (1000 Metris), Rotifs, Tape and Reel Comp Resistor. 1 (1000 Metris), Rotifs, Tape and Reel Comp Resistor. 1 (1000 Metris), Rotifs, Tape and Reel Comp Resistor. 1 (1000 Metris), Rotifs, Tape and Reel Comp Resistor. 1 (1000 Metris), Rotifs, Tape and Reel Comp Resistor. 1 (1000 Metris), Rotifs, Rotif	R22 R23 R24 U1	T15 RESC160BX55X25ML10 T15 RESC160BX55X25ML10 T15 RESC160BX55X25ML10 T15 STM-LOFP64_M WSON-8_6X5_WIN	CMP-2100-03663-1 CMP-2100-03663-1 CMP-2100-03663-1 CMP-0243-00019-3 W25N01GVZEIG	
47k 15k 270 STM32F405RGT6	55 to 155 degs, 6003 1 (1008 Metric), Rotts, Tape and Reel Chap Resistor, 100 / 0 Chen, V. 15, 0.10, 1 Chen, V. 15, 0.10, 1 Chen, 100, 100, 100, 100, 100, 100, 100, 10	R22 R23 R24	T15 RESC1668K55X25M£10 T15 RESC1668K55X25M£10 T15 RESC1668K55X25M£10 T15 STM-LQFP64_M	CMP-2100-03663-1 CMP-2100-03663-1 CMP-2100-03663-1 CMP-2100-03663-1	
15k	55 to 155 degs. (2003) (1008 Metric), Rotis, Tape and Steel (1008 Metric), Rotis, Tape and Steel (1008 Metric), Rotis, Tape and Reel (1008 Metric), Rotis,	R22 R23 R24 U1 U2 U2 U3	TTS RESC MARROSSIZSMA.10 TTS RESC MARROSSIZSMA.10 TTS RESC MARROSSIZSMA.10 TTS STMALCIPPOL.M RESC MARROSSIZSMA.10 RESC MARROSSIZSM	CMP-2100-03643-1 CMP-2100-03643-1 CMP-2100-03643-1 CMP-2100-03643-1 CMP-2100-03643-1 CMP-2100-03643-1	
15k 15k 270 STMSZF405RGT6	55 to 155 degs., 6003. 1 (1008 Metric), Rotis, Tape and Reel (1008 Metric), Rotis, Rot	R22 R23 R24 U1	T15 RESC160BX55X25ML10 T15 RESC160BX55X25ML10 T15 RESC160BX55X25ML10 T15 STM-LOFP64_M WSON-8_6X5_WIN	CMP-2100-03663-1 CMP-2100-03663-1 CMP-2100-03663-1 CMP-0243-00019-3 W25N01GVZEIG	
15k	551 to 155 degs. (2003). 551 to 155 degs. (2003). Tage and Seel T. (1008 Meetrs). (2014). 551 to 155 degs. (2014). 55	R22 R23 R24 U1 U2 U2 U3	TTS RESC MARROSSIZSMA.10 TTS RESC MARROSSIZSMA.10 TTS RESC MARROSSIZSMA.10 TTS STMALCIPPOL.M RESC MARROSSIZSMA.10 RESC MARROSSIZSM	CMP-2100-03643-1 CMP-2100-03643-1 CMP-2100-03643-1 CMP-2100-03643-1 CMP-2100-03643-1 CMP-2100-03643-1	
15k	55 to 155 degs. 603. 3 55 to 155 degs. 603. 3 1008 Metric, Rosis, Tape and Seel To Many A. 10 Metric, 10 Met	1823 1823 1824 1871 1872 1872 1872 1872 1872 1872 1872	TTS RESC MARROSSIZSMA.10 TTS RESC MARROSSIZSMA.10 TTS RESC MARROSSIZSMA.10 TTS STMALCIPPOL.M RESC MARROSSIZSMA.10 RESC MARROSSIZSM	CMP-2100-03643-1 CMP-2100-03643-1 CMP-2100-03643-1 CMP-2100-03643-1 CMP-2100-03643-1 CMP-2100-03643-1	
15k 270 270 271 270 270 270 270 270 270 270 270 270 270	55 to 155 degs., 6003. 55 to 155 degs., 6003. 1608 Meetin, 8, nets., 159e and fixed to 150. 51 to 150 degs., 6005. 1609 Meetin, 150 degs., 6005. 1608 Meetin, 6005. 1609 Meetin,	1823 1823 1824 1871 1872 1872 1872 1872 1872 1872 1872	115 RESCHARRESS/239A 10 115 RESCHARRESS/239A 10 115 RESCHARRESS/239A 10 115 STRALOFFRA M NSON R, MSS, WM NSON R, MSS, WM OPN, BMMOR, BOS	CMP-2100-03663-1 CMP-2100-03663-1 CMP-2100-03663-1 CMP-2100-03663-1 CMP-2100-03663-1 SM0038	
15k 270 270 271 270 270 270 270 270 270 270 270 270 270	55 to 155 degs, 003 to 55 degs, 103 degs, 203	1823 1823 1824 1871 1872 1872 1872 1872 1872 1872 1872	115 RESCHARRESSIZEMA.10 115 RESCHARRESSIZEMA.10 RESCHARRESSIZEMA.10 RESCHARRESSIZEMA.10 RESCHARRESSIZEMA.10 RESCHARRESSIZEMA.10 RESCHARRESSIZEMA.10 RESCHARRESSIZEMA.10 STRALOIPPAL.M ROSCHARR.R.S.S.WIN ROSCHARR.R.S.S.WIN ROSCHARRESSIZEMA.10 STRASSIZEMA.V STRASSIZEMA.V	CMP-2100-03663-1 CMP-2100-03663-1 CMP-2100-03663-1 CMP-2100-03663-1 CMP-2100-03663-1 SM0038	
15k 270 270 270 270 270 270 270 270 270 270	55 to 155 degs. (2003). 55 to 155 degs. (2003). Tage and Seel Ohm. J. * 18. 0. 11 W. 55 to 155 degs. (2003). 55 to 155 degs. (2003). 56 to 155 degs. (2003). 56 to 155 degs. (2003). 57 to 155 degs. (2003). 58 to 1	1822 1823 1824 101 102 103 104	115 RESCHARRESSIZEMA.10 115 RESCHARRESSIZEMA.10 RESCHARRESSIZEMA.10 RESCHARRESSIZEMA.10 RESCHARRESSIZEMA.10 RESCHARRESSIZEMA.10 RESCHARRESSIZEMA.10 RESCHARRESSIZEMA.10 STRALOIPPAL.M ROSCHARR.R.S.S.WIN ROSCHARR.R.S.S.WIN ROSCHARRESSIZEMA.10 STRASSIZEMA.V STRASSIZEMA.V	CMP-2100-03663-1 CMP-2100-03663-1 CMP-2100-03663-1 CMP-2100-03663-1 W22N016VZEG CMP-2000-05076-1 BM0038	