







Should do: Swap the position of PWR and STAT Leds

	Description M3 Mounting Bolt	Designator B1, B2, B3, B4	Footprint BOLTM3 - with vias	LIBRef BOLT	Quantity
22n	Chip Capacitor, 100 of 4/, 10% 50.V	C1	CAPC2013X95X50NL1	CMP-001-00018-6	
***	0805 (2012 Metric)		0T25		
22u	Chip Capacitor, 100 nF, +/- 10%, 50 V, 0805 (2012 Metric)	C2, C4	CAPC2013X95X50NL1 0T25	CMP-001-00018-6	
100n	Chip Capacitor, 100 of 4/, 10% 50 V	C3, C6, C7, C9, C10, C11, C14, C17, C18,	CAPC2013X95X50NL1	CMP-001-00018-6	
	0805 (2012 Metric)	C19, C20, C21	0T25 CAPC2013895850NL1		ļ
4.7u	nF, +/- 10%, 50 V, 0805 (2012 Metric)	C5, C13	CAPC2013X95X50NL1 0T25	CMP-001-00018-6	
10n	Chip Capacitor, 100 of 4/, 10% 50 V	C8, C16	CAPC2013X95X50NL1	CMP-001-00018-6	
	0805 (2012 Metric)		0125		
0.22u	Chip Capacitor, 100 nF, +/- 10%, 50 V, 0805 (2012 Metric)	C12	CAPC2013X95X50NL1 0T25	CMP-001-00018-6	
2.2n	Chip Capacitor, 100 nF, +/- 10%, 50 V,	C15	CAPC2013X95X50NL1	CMP-001-00018-6	
	0805 (2012 Metric)		0125	CINE FOOT-GOOTG-G	
30p	nF, +/- 10%, 50 V, 0805 (2012 Metric)	C22, C23	CAPC2013X95X50NL1 0T25	CMP-001-00018-6	
B5819W	DIODE SCHOTTKY 40V 500MA SOD123	D1, D2	FP-425-04-MFG	CMP-2000-05114-2	
19-237-R6GHBHC-A01	LED RGB DIFFUSED CHIP SMD. 19-237-	D3	FP-LTST-C19HE1WT-	CMP-2000-05201-2	
21	R6GHBHC-A01-2T 16V 1.3Q 750mA	D3	MFG	CWF-2000-05201-2	
16V 1.3Ω 750mA	100ms 1206 Resettable Fuses	FI	FP-1206L-MFG	CMP-2000-05472-2	
	ROHS FERRITE READ 600				
GZ2012D601TF	OHM 0805 1LN	FB1	FP-ILHB-0805-IPC_A	CMP-02428-000001-1	
STM32G031C8T6	MAINSTREAM ARM CORTEX-MD+ MCU WI	DC1	ST LQFP-48 7X7MM	STM32G031C8T6	
	Right Angle				
	Receptacle Connector, Micro				
	USB, 5 Position,				
ZX62D-B-5P8	to 85 degC, RoHS, Tape and Reel.	JI .	HIRO-ZX62D-8-5P8_V	CMP-002-00043-2	
	Cheapest alternative = 920-E52A2021S10100]	
	(C10418)				
10uH Isat = 7.0A	SMD,6.6x7.1x3mm Power Inductors	L1	INDP7166X30N	PSPMAA0603-100M-	
routt Isat = 7.0A	ROHS, Irms = 3.0A, Isat = 7.0A			ANF	
39nH	SCHF201209H39NJT	L2	FP-LQM21DN_00- IPC_B	CMP-06042-012032-1	
PWR	Vf = 2.7V -> 3.2V Male Header, Pitch	LED1, LED2	0805_A	CMP-1426-00010-1	
man	2.54 mm, 1 x 2 Position, Height 10.67		MOLX-22-23-2021_V	CMP-1704-00001-3	1
PWR	mm, Tail Length 3.56 mm, 0 to 75 degC,	r:	MIJUX-22-23-2021_V	LWP-1704-00001-3	
	RoHS, Bulk THT Vertical Pin				-
UART1	Header WR-PHD, Pitch 2.54 mm, Single Row,	P2	61300411121	CMP-1502-01064-1	
	4 pins THT Vertical Pin				
UART2	Header WR-PHD, Pitch 2.54 mm, Single Row,	P3	61300411121	CMP-1502-01064-1	
	2.54 mm, single ном, 4 pins THT Vertical Pin				
NAV_SWD	Header WR-PHD, Pitch 2.54 mm, Dual Row, 6	P5	61300621121	CMP-1502-01072-1	1
	pins THT Vertical Pin				
ADC1	Header WR-PHD, Pitch 2.54 mm, Single Row,	P6	61300411121	CMP-1502-01064-1	
	2.54 mm, Single Row, 4 pins THT Vertical Pin				
1202	Header WR-PHD, Pitch 2.54 mm, Single Row,	P7	61300411121	CMP-1502-01064-1	1
	4 pins	ļ			
TIM3	THT Vertical Pin Header WR-PHD, Pitch 2.54 mm, Single Row,	P10	61300611121	CMP-1502-01070-1	
	6 pins THT Vertical Pin				
SP12	Header WR-PHD, Pitch 2.54 mm, Single Row,	P12	61300611121	CMP-1502-01070-1	1
AO3401A	P-Channel -30V 4.2A 1.5V @ 250uA 65mQ @ 3A,10V 1W SOT-23	01	AO-SOT-23-3L_V	CMP-2000-05778-1	
	MOSFETs RoHS				
100k	Chia Ra 1 1	R1, R2	RESC2013X70X40NL2 0T20	CMP-009-00010-5	
	Chip Resistor, 10 KOhm, +/- 1%, 0.125 W, -55 to 155 degC,	L	RESC2013X60X35NL1	L	1
100k	0805 (2012 Metric),	R3	OT20	CMP-1659-00013-4	
68k	RoHS, Tape and Reel	R4	RESC2013X70X40NL2	CMP-009-00010-5	-
	-		0T20 RESC2013X70X40NL2		
22k 220	-	R5 R6	0T20 RESC2013X70X40NL2	CMP-009-00010-5	
220 2k	-	R6 87	0T20 RESC2013X70X40NL2	CMP-009-00010-5	
	I	n.,	0120	-wF-007-00010-5	I
		no no nac	RESC2013X70X40NL2	C1 PD 0000 C	
1k		R8, R9, R10	0120 RESC2013X70X40NL2 0120 RESC2013X70X40NL2	CMP-009-00010-5	
1k	Chip Resistor, O Ohm,	R8, R9, R10 R11, R12	RESC2013K70X40NL2 0T20 RESC2013K70X40NL2 0T20	CMP-009-00010-5 CMP-009-00010-5	
1k	Chip Resistor, 0 Ohm, Jumper, +/- 5%, 0.125 W, -55 to 155 deaC		RESC2013K70X40NL2 0T20 RESC2013K60X35NL1		
1k 2.2k	Jumper, +/- 5%, 0.125 W, -55 to 155 degC, 0805 (2012 Metric),	R11, R12	RESC2013X70X40NL2 0T20 RESC2013X60X35NL1 0T20	CMP-009-00010-5	
1k 2.2k	Jumper, +/- 5%, 0.125 W, -55 to 155 degC, 0805 (2012 Metric),	R11, R12	RESC2013X70X40NL2 0T20 RESC2013X60X35NL1 0T20 RESC2013X70X40NL2 0T20	CMP-009-00010-5	
1k 2.2k 660	Jumper, +/- 5%, 0.125 W, -55 to 155 degC, 0805 (2012 Metric),	R11, R12	RESC2013K70X40NL2 0T20 RESC2013K60X35NL1 0T20 RESC2013K70X40NL2 0T20 RESC2013K70X40NL2	CMP-009-00010-5 CMP-2100-03673-1	
1k 2.2k 660	Jumper, +/- 5%, 0.125 W, -55 to 155 degC, 0805 (2012 Metric), RoHS, Tape and Reel	R11, R12 R13 R14 R15	RESC2013K70K40NL2 0T20 RESC2013K60X35NL1 0T20 RESC2013K70K40NL2 0T20 RESC2013K70K40NL2	CMP-009-00010-5 CMP-2100-03673-1 CMP-009-00010-5 CMP-009-00010-5	
1k 2.7k 6660 0	Jumper, +/- 5%, 0.125 W, -55 to 155 degC, 0805 (2012 Metric), RoHS, Tape and Reel Chip Resistor, 0.0hm, Jumper, +/- 5%, 0.125 W, -55 to 155 degC,	R11, R12 R13	RESC2013K70X40NL2 0T20 RESC2013K60X35NL1 0T20 RESC2013K70X40NL2 0T20 RESC2013K70X40NL2	CMP-009-00010-5 CMP-2100-03673-1 CMP-009-00010-5 CMP-009-00010-5	
1k 2.7k 6660 0	Jumper, +/- 5%, 0.125 W, -55 to 155 deg/s (805 (2012 Metric), ROHS, Tape and Reel Chip Resistor, 0.0hm, Jumper, +/- 5%, 0.125 W, -55 to 155 deg/s (805 (2012 Metric),	R11, R12 R13 R14 R15	RESC2013K70K40NL2 0T20 RESC2013K60X35NL1 0T20 RESC2013K70K40NL2 0T20 RESC2013K70K40NL2	CMP-009-00010-5 CMP-2100-03673-1 CMP-009-00010-5 CMP-009-00010-5	
1k 2.2.2k 6660 0 4.4.7k	Jamper, -4-5%, 0.125 W, -55 to 155 degC, 0805 (2012 Metric), RoHS, Tape and Reel Chip Resistor, 0.0hm, Jamper, -4-5%, 0.125 W, -55 to 155 degC, 0805 (2012 Metric), RoHS, Tape and Reel Chip Resistor, 0.0hm, Jamper, -4-5%, 0.125	R11, R12 R13 R14 R15 R16, R17	RESC2013KF0K40NL2 GESC2013K60X35NL1 0120 RESC2013KF0X40NL2 0120 RESC2013KF0X40NL2 0120 RESC2013KF0X45NL1 0120 RESC2013K60X35NL1	CMP-009-00010-5 CMP-2100-03673-1 CMP-009-00010-5 CMP-009-00010-5 CMP-009-00010-5	
1k 2.2.2k 6660 0 4.4.7k	Aurpor. 4-5 %, 0.125 W55 to 155 dog. 0805 (2012 Metric), RoHS, Tape and Reel Chip Resistor, 0 Ohm, Aurpor. 4-5 %, 0.125 W55 to 155 dog. 0805 (2012 Metric), RoHS, Tape and Reel Chip Resistor, 0 Ohm, Aurpor. 4-5 %, 0.125 W55 to 155 dog. 0805 (2012 Metric), W55 to 155 dog. 0805 (2012 Metric),	R11, R12 R13 R14 R15 R16, R17	RESC2013XF0XH0ML2 0120 RESC2013XH6XXISML1 0120 RESC2013XF0XH0ML2 0120 RESC2013XF0XH0ML2 0120 RESC2013XF0XH0ML2 0120	CMP-009-00010-5 CMP-2100-03673-1 CMP-009-00010-5 CMP-009-00010-5	
1k 2.2.2k 6660 0 4.4.7k	Aurpor. 4-5 %, 0.125 W55 to 155 dog. 0805 (2012 Metric), RoHS, Tape and Reel Chip Resistor, 0 Ohm, Aurpor. 4-5 %, 0.125 W55 to 155 dog. 0805 (2012 Metric), RoHS, Tape and Reel Chip Resistor, 0 Ohm, Aurpor. 4-5 %, 0.125 W55 to 155 dog. 0805 (2012 Metric), W55 to 155 dog. 0805 (2012 Metric),	R11, R12 R13 R14 R15 R16, R17	RESC2013KF0K40NL2 GESC2013K60X35NL1 0120 RESC2013KF0X40NL2 0120 RESC2013KF0X40NL2 0120 RESC2013KF0X45NL1 0120 RESC2013K60X35NL1	CMP-009-00010-5 CMP-2100-03673-1 CMP-009-00010-5 CMP-009-00010-5 CMP-009-00010-5	
1k 2.2/k 6660 0 4.7/k 22.2/k	Amper, 4-5%, 0.125 W, -55 to 155 Go, 125 Bolts, Tape and Reel Chip Redstor, 0 Other, Amper, 4-5%, 0.126 W, -55 to 155 Go, 125 W, -55 to 155 Go, 125 W, -55 to 155 Go, 105 Go,	R11, R12 R13 R14 R15 R16, R17 R18 R19, R20, R22, R23, R25, R25, R26, R27, R28	RESC2013KF0K40NL2 GESC2013K60X35NL1 0120 RESC2013KF0X40NL2 0120 RESC2013KF0X40NL2 0120 RESC2013KF0X45NL1 0120 RESC2013K60X35NL1	CMP-009-00010-5 CMP-2100-03673-1 CMP-009-00010-5 CMP-009-00010-5 CMP-009-00010-5	
1k 22.2k 00 00 04.4.7k 22.2k	Aumpor. + 5-5%, D.125 deg.5 W55 to 155 deg.5 W55 to 155 deg.5 Roh5, Tape and Reel Chip Resistor, G Olim. Chip Resistor, G Olim. Aumpor. + 5-5%, D.125 W55 to 155 deg.5 GGIS (2012 Metric), Roh5, Tape and Reel Chip Resistor, G Olim. Aumpor. + 5-5%, D.125 W55 to 155 deg.5 GGIS (2012 Metric), Roh5, Tape and Reel Chip Resistor, G Olim. Aumpor. + 5-5%, D.125 W55 to 155 deg.5 GGIS (2012 Metric), Roh5, Tape and Reel Chip Resistor, G Olim. Aumpor. + 5-5%, D.125 W55 to 155 deg.5	R11, R12 R13 R14 R15 R16, R17	RESC2013X66X35NL1 0120 RESC2013X66X35NL1 0120 RESC2013X66X35NL1 0120 RESC2013X66X35NL1 0120 RESC2013X66X35NL1 0120 RESC2013X66X35NL1 0120 RESC2013X66X35NL1	CMP-2100-03673-1 CMP-2100-03673-1 CMP-009-00010-5 CMP-009-00010-5 CMP-2100-03673-1 CMP-2100-03673-1	
1k 2 2 2k 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	Ampor. , 4-5%, 0.125. My55 to 155 cb.125. ROHS, Tape. and Reel Chip Reidstor, 0 Ohm. Ampor. , 4-5%, 0.125. Wy55 to 155 cb.92. ROHS, Tape. and Reel Chip Reidstor, 0 Ohm. Ampor. , 4-5%, 0.125. Wy55 to 155 cb.92. ROHS, Tape. and Reel Chip Reidstor, 0 Ohm. Ampor. , 4-5%, 0.125. Wy55 to 155 cb.92. GMS (2017 Metric), ROHS, Tape. and Reel Chip Reidstor, 0 Ohm. Ampor. , 4-5%, 0.125. Wy55 to 155 cb.92. GMS (2017 Metric), ROHS, Tape. and Reel ZMI, ST. 100 and Reel ZMI, ST.	RE1, R12 R13 R14 R15 R16, R17 R16, R17	##SEC2013XF0X460N.2 ##SEC2013X66XX5NL1 0T20 ##SEC2013XF6XX5NL1 0T20 ##SEC2013XF6XX5NL1 0T20 ##SEC2013X66XX5NL1 0T20 ##SEC2013X66XX5NL1 0T20 ##SEC2013X66XX5NL1 ##SEC2013X66XX5NL1 ##SEC2013X66XX5NL1 ##SEC2013X66XX5NL1 ##SEC2013X66XX5NL1	CMP-2100-03673-1 CMP-2100-03673-1 CMP-009-00010-5 CMP-009-00010-5 CMP-2100-03673-1 CMP-2100-03673-1	
1k 22.2k 00 00 04.4.7k 22.2k	Ampor., 4-5%, 0.125 Gag5, W., 45 to 15 So Log5, OBIOS, COLO 2 Metric), Biolis, Tapo and Reel Chip Resident, 4-5%, 0.125 W., 45 to 15 So Log5, OBIOS, COLO 2 Metric), Biolis, Tapo and Reel Chip Resident, 4-5%, 0.125 W., 45 to 15 So Log5, OBIOS, COLO 2 Metric), Biolis, Tapo and Reel Chip Resident, 6-10 Metric), Biolis, Tapo and Reel Chip Resident, 6-10 So Log5, OBIOS, COLO 2 Metric), Biolis, Tapo and Reel Chip Resident, 6-10 So Log5, OBIOS, COLO 2 Metric), Biolis, Tapo and Reel Chip Resident, 6-10 So Log5, OBIOS, COLO 2 Metric), Biolis, Tapo and Reel Chip Resident, 6-10 So Log5, OBIOS, COLO 2 Metric), Biolis, So Log5, and Reel Chip, So Log5, So L	R11, R12 R13 R14 R15 R16, R17 R18 R19, R20, R22, R23, R25, R25, R26, R27, R28	RESC2013X66X35NL1 0120 RESC2013X66X35NL1 0120 RESC2013X66X35NL1 0120 RESC2013X66X35NL1 0120 RESC2013X66X35NL1 0120 RESC2013X66X35NL1 0120 RESC2013X66X35NL1	CMP-009-00010-5 CMP-2106-03673-1 CMP-009-00010-5 CMP-009-00010-5 CMP-2106-03673-1	
1k 2 2 2k 4660 0 0 4.7% 22 2k 22 2k	Amper, +, 5-5%, 0.125. W., -5.5 to 15.5 dog/5. W., -5.	RE1, R12 R13 R14 R15 R16, R17 R16, R17	##SEC2013XF0X460N.2 ##SEC2013X66XX5NL1 0T20 ##SEC2013XF6XX5NL1 0T20 ##SEC2013XF6XX5NL1 0T20 ##SEC2013X66XX5NL1 0T20 ##SEC2013X66XX5NL1 0T20 ##SEC2013X66XX5NL1 ##SEC2013X66XX5NL1 ##SEC2013X66XX5NL1 ##SEC2013X66XX5NL1 ##SEC2013X66XX5NL1	CMP-2100-03673-1 CMP-2100-03673-1 CMP-009-00010-5 CMP-009-00010-5 CMP-2100-03673-1 CMP-2100-03673-1	
1k 2 2 2k 6660 0 0 4.7k 2 2k 22 2k 25 55 Fuebaution	Jamps J. + 58, 0. 125 W. 55 to 155 days J. 55 days J. 5	RE1, R12 RE13 RE14 RE15 RE16, R17 RE16, R17 RE17, R20, R22, R22, R23, R24, R27, R28, R27, R28, R27, R28, R28, R27, R28, R28, R27, R28, R28, R28, R28, R38, R38, R38, R38, R38, R38, R38, R3	##SEC2013XF0X460N.2 ##SEC2013X66XX5NL1 0T20 ##SEC2013XF6XX5NL1 0T20 ##SEC2013XF6XX5NL1 0T20 ##SEC2013X66XX5NL1 0T20 ##SEC2013X66XX5NL1 0T20 ##SEC2013X66XX5NL1 ##SEC2013X66XX5NL1 ##SEC2013X66XX5NL1 ##SEC2013X66XX5NL1 ##SEC2013X66XX5NL1	CMP-2100-03673-1 CMP-2100-03673-1 CMP-009-00010-5 CMP-009-00010-5 CMP-2100-03673-1 CMP-2100-03673-1	
1k 2 2 2k 6660 0 0 4.7k 2 2k 22 2k 25 55 Fuebaution	Amprop. 1-59, 0, 125 Months 15, 15, 15, 15, 15, 15, 15, 15, 15, 15,	R11, R12 R13 R14 R15 R14, R17 R15, R17, R20, R22, R21, R22, R23, R22, R23, R27, R20, R27, R20, R27, R20, R20, R21, R21, R21, R21, R21, R21, R21, R21	8552013 (2004) (1904) (CMP - 007 - 00010-5 CMP - 2100 - 03673-1 CMP - 007 - 00010-5 CMP - 2100 - 03673-1	
1k 2.2 x 4.660 0 0 4.17 x 2.2 x 2.2 x 2.3 x 2.4 x 3.4	Jamps	R11, R12 R13 R14 R14 R15 R15, R17 R15, R17 R16, R17	805.2023 (2004) (2005)	CMP-2100 G3673-1 CMP-2100 G3673-1 CMP-2700 G3673-1 CMP-2700 G3673-1 CMP-2100 G3673-1	
11k 22 21k 4660 0 0 4.71k 22 22k 22k 22k 24k 24k 25k 25k 25k 25k 26k 27k 27k 27k 27k 27k 27k 27k 27k 27k 27	Amprop. 1-5%, 0. 126 W. So to 155 Subg., 206 M. So to 155 Subg., 206	RE11, RE2 RE13 RE14 RE15 RE15	60522012040042201201201201201201201201201201201201201	CMP-2100-0517-3 CMP-2100-05167-3 CMP-2100-05167-3 CMP-2100-05167-3 CMP-2100-0517-3 CMP-2100-0517-3 CMP-2100-0517-3 CMP-2100-0517-3 CMP-2100-0517-3 CMP-2100-0517-3 CMP-2100-0517-3 CMP-2100-0517-3 CMP-2100-0517-3	
11k 2.2.2k 4.660 0 4.7k 2.2.2k 2.2.2k 2.5 2.5 2.5 3.660 3.66	Jamps 195, 0, 125 W. So to 155 Single 195 Single 195 Single 195 Single 195 Single 195 Single 1	801, 802 803 804 805 805 805 805 805 805 805 805 805 805	## (SECTO TO SECTION AND TO THE PROPERTY OF TH	CMP - 2010 - 2087-3-1 CMP - 207 - 2021 0-5 CMP - 2100 - 2087-3-1 CMP - 2000 - 2000-3-1 CMP - 2000 - 2000-3-1 CMP - 2000 - 2000-3-1	
11k 22 21k 4660 0 0 4.71k 22 22k 22k 22k 24k 24k 25k 25k 25k 25k 26k 27k 27k 27k 27k 27k 27k 27k 27k 27k 27	Amprop. 1-9, 10, 125 W. Son 195 Son 19	RE11, RE2 RE13 RE14 RE15 RE15	60522012040042201201201201201201201201201201201201201	CMP-2100-0517-3 CMP-2100-05167-3 CMP-2100-05167-3 CMP-2100-05167-3 CMP-2100-0517-3 CMP-2100-0517-3 CMP-2100-0517-3 CMP-2100-0517-3 CMP-2100-0517-3 CMP-2100-0517-3 CMP-2100-0517-3 CMP-2100-0517-3 CMP-2100-0517-3	
11k 2.2.2k 4.660 0 4.7k 2.2.2k 2.2.2k 2.5 2.5 2.5 3.660 3.66	Jamps J. 195, 0, 125 M. 26 to 155 Saley, 200 M. 26 to 155 Saley, 200	801, 802 803 804 805 805 805 805 805 805 805 805 805 805	## (SECTO TO SECTION AND TO THE PROPERTY OF TH	CMP - 2010 - 2087-3-1 CMP - 207 - 2021 0-5 CMP - 2100 - 2087-3-1 CMP - 2000 - 2000-3-1 CMP - 2000 - 2000-3-1 CMP - 2000 - 2000-3-1	