





Comment	Description	Designator	Footprint	LibRef	Quantity
		C1, C8, C11, C12, C25, C39, C41, C43, C48,			
10n		C61, C71, C80, C86, C104	CH0805C	Capacitor	1
		C2, C3, C4, C5, C7, C9, C10, C14, C20, C21,			
100-		C37, C38, C40, C42, C46, C47, C62, C64.	CH0805C	C!*	
100n		C46, C47, C62, C64, C65, C67, C70, C72,	CHUBUSC	Capacitor	2
		C75, C76, C100, C105,			
1uF		C106, C109, C111 C6, C44	CH0805C	Capacitor	
2.2uF		C13, C55	CH0805C	Capacitor	
100p		C15, C22, C28, C36, C49, C66, C79, C110	CH0805C	Capacitor	
ln .		C16, C54	CH0805C	Capacitor	
10uF		C17, C73 C18, C56, C57, C58,	CH0805C	Capacitor	
220p		C59	CH0805C	Capacitor	
4.7uF 330p		C19, C45, C74 C23, C24	CH0805C CH0805C	Capacitor Capacitor	
110p		C26, C85	CH0805C	Capacitor	
4.7n		C27, C50, C68, C81, C107	CH0805C	Capacitor	
15p		C29, C30, C90, C91	CH0805C	Capacitor	
56p 39p		C31, C87 C32, C33	CH0805C CH0805C	Capacitor Capacitor	
68p		C34, C88	CH0805C	Capacitor	
3p 18p		C35, C53, C89 C51	CH0805C CH0805C	Capacitor Capacitor	
27p		C52	CH0805C	Capacitor	
270pF 10uF	1	C60	CH1206ATC	Capacitor	
10ur 0,47uF 16v		C63, C99 C69, C108	CH1206C TANTAL_B	Capacitor TantalCap	<u> </u>
20p	1	C77, C78, C93, C94 C82, C83, C84, C101,	CH0805C	Capacitor	1
32p	1	C82, C83, C84, C101, C102, C103	CH0805C	Capacitor	
170pF		C92	CH1206ATC	Capacitor	
30pF 36pF	+	C95	CH1206ATC CH1206ATC	Capacitor Capacitor	<u> </u>
47pF		C97	CH1206ATC	Capacitor	
22pF PE4312 / PE4302	+	C98 D1	CH1206ATC 20-QFN (4x4)	Capacitor PE4312-No1	
BAV99		D2, D3, D4	SOT23_132	BAV99	
SN74LS145DR BLM21	+	DA1 FB1, FB2	16-SOIC CH0805L	SN74LS145N FB-1	
IM06		K1, K2, K3, K5, K6, K7,	IM06	IM06-V1	
IM06-12v	+	K9, K10, K11 K4	IM06	IM06-V1	
G6S-2-DC12		K8, K12	G6S-2-DC12	G6S-2-12VDC	
150nH 1uH		L1 L2, L11	CH1210L	Inductor Inductor	
18 nH		L3	CH1210L	Inductor	
22nH 180nH		L4, L18 L5, L6, L7, L9, L19, L20	CH1206L CH1206L	Inductor Inductor	
82nH		L8	CH1206L	Inductor	
12 nH		L10 L12	CH1210L	Inductor	
82nH 12nH		L13, L15, L24, L26	CH1210L CH1206L	Inductor Inductor	
10nH 22 nH		L14, L25 L16	CH1206L CH1210L	Inductor	
22 nn 10uH		L10 L17	CH1210L	Inductor	
0.047uH	LP3878-ADJ HSOP-8	L21, L22, L23 LP1, LP2, LP3	T50-6	Inductor ring	
LP3878MR-ADJ PAW-145M2		LP1, LP2, LP3	SOP-8 gnd	LP3878-ADJ	
	PAW-A022-145M2	PAW-1	PAW-145M2	PAW-145M2	
	PAW-A022-145M2	R1, R12, R19, R22,	PAW-145M2 CH0805R	PAW-145M2 Resistor	
	PAW-A022-145M2			1	
10k	PAW-A022-145M2	R1, R12, R19, R22, R37, R53 R2, R13, R18, R23, R26, R30, R38, R48,		1	1
10k 4.7k	PAW-A022-145M2	R1, R12, R19, R22, R37, R53 R2, R13, R18, R23, R26, R30, R38, R48, R49, R54, R69, R70	CH0805R CH0805R	Resistor Resistor	1
10k 4.7k 620	PAW-A022-145M2	R1, R12, R19, R22, R37, R53 R2, R13, R18, R23, R26, R30, R38, R48, R49, R54, R69, R70 R3, R39, R50, R55, R73	CH0805R CH0805R CH0805R	Resistor Resistor	
10k 4.7k 620 33	PAW-A022-145M2	R1, R12, R19, R22, R37, R53 R2, R13, R18, R23, R26, R30, R38, R48, R49, R54, R69, R7D R3, R39, R50, R55, R73 R4 R5, R56	CH0805R CH0805R CH0805R CH0805R CH0805R CH2010R	Resistor Resistor Resistor Resistor Resistor Resistor	1
10k 4.7k 620 33 18	PAW-A022-145M2	R1, R12, R19, R22, R37, R53 R2, R13, R18, R23, R26, R30, R38, R48, R49, R54, R69, R70 R3, R39, R50, R55, R73 R4 R5, R56 R6, R7	CH0805R  CH0805R  CH0805R  CH0805R  CH0805R  CH0805R  CH0805R  CH0805R	Resistor Resistor Resistor Resistor Resistor Resistor Resistor	1
10k 4.7k 620 33 18 180 10K	PAW-A022-145M2	R1, R12, R19, R22, R37, R53 R2, R13, R18, R23, R26, R30, R38, R48, R49, R54, R69, R7D R3, R39, R50, R55, R73 R4 R5, R56	CH0805R CH0805R CH0805R CH0805R CH0805R CH2010R	Resistor Resistor Resistor Resistor Resistor Resistor	1
10k 4.7k 620 33 18 180 10K	PAW-A022-145M2	R1, R12, R19, R22, R37, R53 R2, R13, R18, R23, R26, R30, R38, R48, R49, R54, R69, R70 R3, R39, R50, R55, R73 R4 R5, R56 R6, R7 R8, R41, R57 R9, R42, R58 R10, R11, R43, R44,	CH0805R  CH0805R  CH0805R  CH0805R  CH2010R  CH2010R  CH2010R	Resistor Resistor Resistor Resistor Resistor Resistor Resistor Resistor	1
10k 4.7k 620 33 18 180 10K	PAW-A022-145M2	R1, R12, R19, R22, R37, R53 R2, R13, R18, R23, R26, R30, R38, R48, R49, R54, R69, R70 R3, R39, R50, R55, R73 R4 R5, R56 R6, R7 R8, R41, R57 R9, R42, R58	CH0805R  CH0805R  CH0805R  CH0805R  CH2010R  CH2010R  CH2010R  CH2010R  CH2010R	Resistor	1
10k 4.7k 620 33 18 180 10K 180 300 333	PAW-A022-145M2	R1, R12, R19, R22, R37, R53, R26, R13, R18, R23, R26, R30, R38, R48, R49, R54, R69, R70 R3, R39, R50, R55, R73 R4 R5, R55 R6, R77 R6, R41, R57 R6, R41, R57 R6, R41, R57 R7, R61, R41, R43, R44, R59, R60 R14, R15, R29 R14, R15, R29	CH0805R  CH0805R  CH0805R  CH0805R  CH0805R  CH2010R  CH0805R  CH0805R  CH0805R	Resistor  Resistor  Resistor  Resistor  Resistor  Resistor  Resistor  Resistor  Resistor	1
10k 4.7k 620 33 18 18 100 10K 18 330 333 33 330 333 330	PAW-A022-145M2	R1, R12, R19, R22, R23, R53 R2, R13, R18, R23, R26, R30, R38, R48, R49, R54, R69, R50, R50, R30, R4, R39, R50, R55, R73 R4, R5, R56 R6, R7 R8, R41, R57 R8, R51 R8,	CH0805R	Resistor	1
10k 4.7k 4.7k 33 33 18 180 10K 18	PAW-A022-145M2	RI, PLIZ, R19, R22, R37, R53 R2, P13, R18, R23, R2, P13, R18, R23, R26, R54, R69, R70 R3, R39, R50, R55, R73 R5, R56 R6, R71, R57 R6, R41, R57 R61, R52, R44, R57 R61, R52, R24, R27, R31 R11, R21, R25, R28, R31 R17, R21, R25, R28, R32	CH0805R  CH0805R  CH0805R  CH0805R  CH0805R  CH2010R  CH2010R  CH0805R  CH2010R  CH0805R  CH0805R  CH0805R  CH0805R  CH0805R	Resistor	1
10k 4.7k 620 333 18 180 100K 180 3300 33.3X 3300	PAW-A022-145M2	RI, PLIZ, R19, R22, R237, R53 R2, R13, R18, R23, R26, R30, R38, R48, R26, R30, R38, R48, R39, R50, R50, R55, R73 R4 R5, R56 R6, R7 R9, R22, R58 R10, R17, R21, R24, R41, R27, R24, R41, R27, R24, R31, R24, R24, R31, R31, R32, R34, R32, R34, R35, R36, R32, R34, R35, R36,	CH0805R	Resistor	1
4.7x 4.7x 620 333 186 180 10K 181 300 3.3K 3K 30K	PAW-A022-145M2	RI, PEZ, RT19, BZ2, RZ7, PS3 RZ, PS13, RT18, RZ3, RZ, PS13, RT18, RZ3, RZ9, RS4, RS9, RS9, RS9, RS9, RS9, RS9, RS9, RS9	CH0805R CH0805R CH0805R CH0805R CH0805R CH0805R CH2010R CH0805R CH2010R CH0805R CH2010R CH0805R CH0805R CH0805R CH0805R CH0805R CH0805R CH0805R CH0805R	Resistor	1
10k 4.7x 4.7x 6.20 33 18 18 180 10K 10K 33 33 300 33.3K 30k 0	PAW-A022-145M2	RI, REIZ, RTI9, REZZ, RTJ, RSS 22, RTJ, RSS 32, RSS, RSS, RSS, RSS, RSS, RSS, RSS, RS	CH0805R  CH0805R  CH0805R  CH0805R  CH0805R  CH2010R  CH0805R	Resistor	1
10k 4.7k 650 333 318 18 18 18 18 300 333 334 34 355 356 357 358 358 368	PAW-A022-145M2	RI, PELZ, R19, BZ2, R73, R53, R22, R13, R18, R23, R25, R13, R18, R23, R26, R19, R19, R23, R49, R54, R54, R54, R54, R54, R54, R54, R54	CH0805R CH1204R CH1204R CH1204R	Resistor	1
10k 4.7x 4.7x 5.00 33 31 18 18 18 18 100 100 33 33 34 38 34 35 36 00 17 17 18 18 18 18 18 18 18 18 18 18 18 18 18	PAW-A022-145M2	R1, R12, R19, R22, R17, R53, R34, R37, R53, R32, R18, R18, R23, R24, R18, R18, R23, R26, R38, R48, R49, R54, R56, R50, R50, R50, R50, R50, R50, R50, R50	CH0805R CH1206R CH1206R CH1206R CH1206R CH1206R CH1206R	Resistor	1
10k 4.7x 4.7x 5.00 33 31 18 18 18 18 100 100 33 33 34 38 34 35 36 00 17 17 18 18 18 18 18 18 18 18 18 18 18 18 18	PAW-A022-165M2	RI, PELZ, R19, BZ2, R73, R53, R22, R13, R18, R23, R25, R13, R18, R23, R26, R19, R19, R23, R49, R54, R54, R54, R54, R54, R54, R54, R54	CH0805R CH1204R CH1204R CH1204R	Resistor	1
10k 4.7x 6.00 33 18 18 18 18 19 19 100 100 100 11 2 11 2 11 2 11 2 1	RASCH - SASSH	81, 181, 181, 181, 182, 182, 282, 283, 283, 283, 283, 283, 283, 2	O-ROBERS  CHERRISE  CHERRI	Resistor  Resist	1
100k 4.4.7k 6.00 3.33 3.18 18 18 180 100 3.3.30 3.30	9-5554 9-5554 9-5674 9-5674 9-6754 9-6754 9-6754 9-6754	81, 112, 119, 102, 22, 227, 233, 243, 243, 243, 243, 243, 244, 244	CHORGER CHORGE	Resistor  Resist	1
10k 4.7k 620 33 33 38 18 18 18 18 18 18 30 30 30 30 30 30 30 30 30 30 30 30 40 40 40 40 40 40 40 40 40 40 40 40 40	SAUSTY SAUSTY SAUSTY TAU GOT CASTANCE STUTY STATE OF TAU GOT C	81, 812, 819, 802, 827, 833, 834, 835, 834, 834, 834, 834, 834, 834, 834, 834	O-DIRECTOR  O-DIRE	Resistor  Resist	1
10k 4.7x 6.00 33 31 31 18 18 180 100 100 100 100 11 2 12 18 18 18 100 100 100 100 100 100 100 10	9-5554 9-5554 9-5674 9-5674 9-6754 9-6754 9-6754 9-6754	81, 812, 819, 802, 827, 833 82, 813, 814, 814, 812, 812, 812, 813, 814, 814, 814, 814, 814, 814, 814, 814	CHORGER CHORGE	Resistor  Resist	1
108. 4.7x 6500 33 33 33 31 31 30 30 30 30 30 30 30 30 30 30 30 30 30	SAUSTY SAUSTY SAUSTY TAU GOT CASTANCE STUTY STATE OF TAU GOT C	81, 812, 819, 802, 827, 833, 834, 834, 834, 834, 834, 834, 834	CHORGER CHORGE	Resistor  Resist	1
108. 4.7x 6500 33 33 33 31 31 30 30 30 30 30 30 30 30 30 30 30 30 30	SAUSTY SAUSTY SAUSTY TAU GOT CASTANCE STUTY STATE OF TAU GOT C	81, RL 12 N 802 227, RS3 22, RS1, RS1, RS2, 22, RS1, RS1, RS1, RS2, 23, RS1, RS1, RS1, RS1, RS1, RS1, RS1, RS1	CHORGER CHORGE	Resistor  Resist	1
10k 620 33 31 38 18 18 18 18 18 18 18 18 18 18 18 18 18	SAUSTY SAUSTY SAUSTY TAU GOT CASTANCE STUTY STATE OF TAU GOT C	81, 812, 819, 802, 827, 833  82, 813, 814, 814, 814, 814, 814, 814, 814, 814	CHORGER CHORGE	Resistor  Resist	1
106. 4. 7x 6.50 6.33 8.33 8.33 8.33 8.30 8.30 8.30 8.30 8	SAUSTY SAUSTY SAUSTY TAU GOT CASTANCE STUTY STATE OF TAU GOT C	81, 812, 819, 802, 827, 833  82, 813, 814, 814, 814, 814, 814, 814, 814, 814	CHORGER  CHO	Resistor  Resist	1
108. 4.7x 6500 331 318 319 319 319 319 319 319 319 319 319 310 310 310 310 310 310 310 310 310 310	SAUSTY SAUSTY SAUSTY TAU GOT CASTANCE STUTY STATE OF TAU GOT C	81, 112, 119, 102, 22, 22, 23, 24, 24, 24, 24, 24, 24, 24, 24, 24, 24	CHORGER CHORGE	Resistor  Resist	1
10k 4.7k 620 33 31 31 31 31 31 31 31 31 31 31 31 31	9,555H 9,655H 5067 H 10,107 (2380 (3111) (253.50) (3111) (253.50)	81, 812, 819, 802, 827, 833  82, 813, 814, 814, 814, 814, 814, 814, 814, 814	CHORGER  CHO	Resistor  Resist	1
104. 4.7x  5.00  5	SARSH SARSH SARSH TALLORS SARSH TALLORS SARSH LITHINGS SARS LITHINGS SARS LITHINGS SARS LITHINGS SARS	81, 812, 819, 802, 827, 833 82, 813, 814, 814, 812, 824, 824, 824, 824, 824, 824, 824, 82	CHRISTIA CHR	Resistor  Resist	1
108. 4.7k 620 33 33 33 31 30 30 31 30 30 30 30 30 30 30 30 30 30 30 30 30	SARCH	81, 812, 819, 802, 827, 833 827, 833 82, 813, 814, 826, 826, 826, 836, 836, 836, 836, 836, 836, 836, 83	CHORGER CHORGE	Resistor  Resist	1
108. 4.7x   620   533   535   536   537   538   538   530	SARSH SARSH SARSH TALLORS SARSH TALLORS SARSH LITHINGS SARS LITHINGS SARS LITHINGS SARS LITHINGS SARS	81, 812, 819, 802, 827, 833  82, 813, 814, 814, 814, 814, 814, 814, 814, 814	CHRISTIA CHR	Resistor  Resist	1
106. 4.7x 6.00 5.33 5.33 5.33 5.30 5.30 5.30 5.30 5	0A05H 0A05H 0A05H 5398,99H 1110155150 1111155150 0F 0F	81, 812, 819, 802, 827, 833, 834, 834, 834, 834, 834, 834, 834	CHORGER CHORGE	Resistor  Resist	1
104. 4.7x  620  333  331  338  339  339  330  331  330  330  330  330	0A05H 0A05H 0A05H 5398,99H 1110155150 1111155150 0F 0F	81, 812, 819, 802, 827, 833  82, 813, 814, 814, 814, 814, 814, 814, 814, 814	CHRISTIA CHR	Resistor  Resist	1
104. 4. 7x  6.00  6.00  1.00	0A89H BARSH SAVE WILLIAM SECTION CO. (11117531.Ab) C11117531.Ab) Mosfet or or or or	81, 812, 819, 802, 827, 833 82, 813, 814, 814, 823, 824, 824, 824, 824, 824, 824, 824, 824	CHORGER  CHO	Resistor  Resist	1
108. 4.7k 520 33 33 33 33 31 30 30 30 30 30 30 30 30 30 30 30 30 30	SARCH	81, 812, 819, 802, 827, 833  82, 813, 814, 814, 814, 814, 814, 814, 814, 814	CHORGER CHORGE	Resistor  Resist	
108. 4.7x   620   633   640   650	BARRY	81, 812, 819, 802, 827, 833  82, 813, 814, 814, 814, 814, 814, 814, 814, 814	CHRISTIA CHR	Resistor  Resist	
106. 4.7x 6.00 333 335 336 337 338 338 308 300 300 300 300 300 300 300	9,0551 9,0551 9,0551 9,0571 9,0571 9,077 9	81, 112, 119, 102, 22, 227, 233, 243, 243, 243, 243, 243, 243, 243	CHRISTIA CHR	Resistor  Resist	1
108. 4.7k 520 0 33 1 33 1 34 1 35 1 36 1 37 1 38 1 30 1 30 1 30 1 30 1 30 1 30 1 30 1 30	SAGON SAG	81, 812, 819, 802, 827, 833  82, 813, 814, 814, 815, 814, 814, 814, 815, 814, 814, 814, 814, 814, 814, 814, 814	CHORGER CHORGE	Resistor  Resist	
106. 4. 7x   6.00   6.0	0A030H 0A030H	81, 812, 819, 822, 823, 823, 823, 823, 824, 824, 824, 824, 824, 824, 824, 824	CHORGER  CHO	Resistor  Resist	
108. 4.7k 520 0 33 1 33 1 34 1 35 1 36 1 37 1 38 1 30 1 30 1 30 1 30 1 30 1 30 1 30 1 30	SAGON SAG	81, 812, 819, 802, 827, 833  82, 813, 814, 814, 815, 814, 814, 814, 815, 814, 814, 814, 814, 814, 814, 814, 814	CHORGER CHORGE	Resistor  Resist	

