Comment	Description	Designator	Footprint	LibRef	Quantity
0.1UF	CAP CER 0.1uF 25V X7R 0805	C1, C2, C3, C4, C5, C9, C10, C11, C12	SMD-0805C	V30805Y104KXXXCW1BC	
PCR13101MCL1GS	CAP ALUM POLY 100UF 20% 63V SMD	06	CAPAE110103X126M	PCR13101MCL1GS	
0.10µF	CAP CER 0.1UF 16V X7R 0805, CAP CER 0.1UF 50V X7R 0805	C7, C8, C25, C31, C33, C37, C39, C45, C51	SMD-0805C	GRM219R71C1043A01D	
				GCD218R71H104K401L	
GYB1E331MCW1GS	Aluminum Organic Polymer Capacitors 25V 330uf	C13	CAPAE110103X110N	CMP-001-00090-1	
10 _p F	CAP CER 10UF 16V X7S 0805	C14, C21, C22, C23, C27, C28, C29, C30, C31, C33, C34, C35, C36, C37, C41, C42, C43, C47, C48, C49	SMD-080SC	GRM21BC71C106KE11L	
10000pF	CAP CER 10000PF 50V NPO 1206 CAP CER 4.7UF 16V 1/78 0805	C15, C18, C20	SMD-1206C	GRM3195C1H1033A01D	
4.7µF 16SVPG47M	PANASONIC ELECTRONIC COMPONENTS	C16, C17 C24, C30, C32, C36, C38, C44, C50	SMD-0805C CAPAE110103X126M	GC121BR71C475KA01L	
4.7µF	CAP CER 4.7UF 25V X7R 1206	C26, C32, C34, C38, C40, C46, CS2	SMD-1206C	GCM31CR71E475KA55K	
SMB38.0CA	TVS DIODE 8V 13:6V DO214AA	D1. D2	DIOM4436/26N	SMBJ8.0CA	
SMB315A		03	DIOM4436/26N	SMB31SA	
SSCS4-E3/9AT	Rectifier Diode, Schottly, I Phase, 1 Element, SA, 40V N(RRM), Silicon, DO- 214AB	DS, D6, D7, D8, D9, D10, D11, D12	SSC54-E3/9AT	SSCS4-E3/9AT	
3568	FUSE HOLDER MINI AUTO PC	F1, F2	Fuse Holder 30A 500V 1 Circuit Blade Through Hole	3568	
N-MOS Enhancement Mode	MOSFET N-CH 60V 200MA SOT23-3	FET1	SOT95P240X110-3N	N-MOS Enhancement Mode	
0410CDMCCD5-R10MC	Ind Chip Power Metal Compound 0.1uH 20% 2-Pin SMD T/R	LI	INDM4442X20N	0410CDMCCDS-R10MC	
DHLP3232DZER1ROM11	Fixed Inductors SuH 20% Low Profile	12	INDM8682X40N	DHLP3232DZER1ROM11	
744066150	FIXED IND 15UH 3.2A 50 MOHM SMD	L3	INDP100100X38N	744066150	
744771115	SMD-Shielded Power Inductor WE-PD, L = 15.0 µH	14, 15, 16, 17	WE-PD-L	CMP-0227-00696-1	
LED RED 0603	Red 631nm LED Indication - Discrete 2V 0603 (1608 Metric)		LED 0603 RED	LED RED 0603	
43045-0400	Male connector dual row 90° 3 mm Pole no. 2x2 Micro-Rt, 43045- 0400, Molex	P1, P2, P3, P7, P10, P12, P13	430450400	43045-0400	
43045-0200	CONN HEADER R/A 2POS	P4, P6, P8, P9, P11, P15, P16, P23, P24, P25, P?	430450200	43045-0200	
43045-0800	CONN HEADER R/A BPOS 3MM	PS, P14	430450800	43045-0800	
Header 2	Header, 2-Pin	P17, P18, P19, P20, P21, P22	Pin Header 1x2 TH Pitch 2.54mm	Header 2	
0.0	RES SMD 0.0 OHM JUMPER 1/8W 0805	R1, R2, R3, R4, R5, R6, R7, R8, R9, R10, R20, R21, R35, R36, R38, R39, R41, R42, R43, R45, R66, R47, R48, R64, R65, R66, R67, R68	SMD-0805-RES	BRJ 6GEYOROOV	
10k	RES SMD 10K OHM 5% 1/8W 0805, RES SMD 10K OHM 5% 1/2W 0805, RES SMD 10K OHM 1% 1/2W 0805	R11, R12, R18, R19, R22, R23, R24, R25, R26, R27, R28, R29, R33, R34, R40, R51	SMD-0805-RES	BR3-6GEY3103V, ER3- P063103V, ER3- P0WF1002V	
30k	RES SMD 30K OHM 1% 1/8W 0805	R13, R14, R37, R44	SMD-0805-RES	ERJ-6ENF3002V	
0.18	RES SMD 0.18 OHM 5% 1/2W 1206	R15	SMD-1206-RES	ERI-8BSJR18V	
.005	RES SMD 0.005 OHM 1% 1W 1206 RES SMD 499 OHM 1%	R16, R49, R53	SMD-1206-RES	CSNL1206FTSL00TR	_
499	1/4W 1206 RES SMD 1.8K OHM	R17, R54	SMD-1206-RES	ERU-BENF4990V	
1.8k 1k	1% 1/2W 0805 RES SMD 1K OHM 1% 1/2W 0805	R30 R31	SMD-0805-RES SMD-0805-RES	ERJ-P6WF1801V ERJ-P06F1001V	\vdash
1k 62	1/2W 0805 RES SMD 62 OHM 5% 1/8W 0805	R31 R32	SMD-0805-RES SMD-0805-RES	BRJ-6GEY3620V	
150	1/8W 0805 RES SMD 150 OHM 5% 1/8W 0805	R50	SMD-0805-RES	BO-6GEY)151V	\vdash
3.16k	1/8W 0805 RES SMD 3.16K OHM 1% 1/8W 0805	R52	SMD-0805-RES	BRJ-6ENF3161V	
470k			SMD-0805-RES	BU 6GEY3474V	
	RES SMD 470K OHM 5% 1/8W 0805	RSS, RS8, R60, R95, R100, R105, R107			
35221R0JT		R100, R105, R107 R56, R57, R59, R61, R62, R63	SMD-2512	35221R0JT	
	Res Thick Film 2512 1 Ohm 5% 3W ±200ppm/ C Pad SMD		SMD-2512 35221R0JT	35221R0JT 35221R0JT	
35221R0JT	Res Thick Film 2S12 1 Ohm 5% 3W ±200ppm/ C Pad SMD	R56, R57, R59, R61, R62, R63 R96, R97, R58, R99, R101, R102, R103, R104, R106, R108	35221R0JT SMD-0805-RES	35221R0JT NCP21X04472303RA	
35221R0JT 35221R0JT	Res Thick Film 2512 1 Ohm 5% 3W ±200ppm/ C Pad SMD RES SMD 1 OHM 5% 3W 2512 NTC THERMISTOR 4.7K OHM 5% 0805	R56, R57, R59, R61, R62, R63 R96, R97, R58, R99, R101, R102, R103, R104, R106, R108	35221R0JT	35221R0JT	
35221R0JT 35221R0JT NCP21J04472J03RA	Res Thick Film 2512 1 Ohm 5% 3W ±200ppm/ C Pad 5MD 8E5 SMD 1 OHM 5% 3W 2512 NTC THERMISTOR 4.7K OHM 5% 0805 SHD TEST POINT ACC, Doba Sigma, 24- 8E, 1 Fare, 4 Thorsi, 5erial Access, PGS016 Serial Access, PGS016	R56, R57, R59, R61, R62, R63 R96, R97, R98, R99, R101, R102, R103, R104, R106, R108	3522180JT SMD-0805-RES Test Point TSOP65P640X120-16N	35221R0JT NCP21X04472303RA	
35221R0JT 35221R0JT NCP21XH472303RA TP	Bos Thirds Film 2512.1 Own SV 3DV ±200ppm/ C Pad SVD U ±200ppm/ C Pad SVD U 5104 SVD 3DV 2512 NTC THERMISTOR 4-7K OHM 5V6 0005 SMD TEST POINT ADC, Delba-Sigma, 24- Social Access, VISIO15 Social Access, VISIO15 ELECTROPIS	RS6, RS7, RS9, RS1, RS2, RS3, RS1, RS2, RS3 RS6, RS7, RS9, RS9, RS9, RS9, RS9, RS9, RS9, RS9	35221R0JT SMD-0805-RES Test Point	35221R0JT NCP21304472303RA TP	
35221R0JT 35221R0JT NCP21XH472303RA TP A051298PWR	Bos Thirds Film 2512.1 Own SV 3DV ±200ppm/ C Pad SVD U ±200ppm/ C Pad SVD U 5104 SVD 3DV 2512 NTC THERMISTOR 4-7K OHM 5V6 0005 SMD TEST POINT ADC, Delba-Sigma, 24- Social Access, VISIO15 Social Access, VISIO15 ELECTROPIS	R56, R57, R59, R61, R62, R63, R62, R63, R63, R63, R64, R65, R67, R68, R69, R69, R69, R69, R69, R69, R69, R69	25221R0JT SMD-0805-RES Test Point TSOP65P640X120-16N SOP127P1060X175-16N TSOP65P640X120-24N	35221R01T NCP21X9472303RA TP ADS1219IPWR	
35221R0JT 35221R0JT NCP21X9472303RA TP AD512198PWR MAX2232IDW TCA6416PWR	Ros Thick Film 1512.1 Ohm 5% 3W ±200ppm/C Pad SWD 1 OHM 5% 3W ±200ppm/C Pad SWD 1 OHM 5% 3W 2512 3W 2512 SWD 1 OHM 5% 6W 5% CONTROL OF SWD 10 OHM 5% 6WD 5 OHM	R55, R57, R59, R61, R62, R63, R63, R63, R63, R63, R63, R64, R63, R64, R64, R64, R64, R64, R64, R64, R64	25221R0JT SMD-0805-RES Test Point TSOP65P640X120-16N SOP127P1060X175-16N TSOP65P640X120-24N	SS221R01T NCP21X94772303RA TP ADS1219IPWR HAXQ2322DW TCA6416PWR	
3522180JT 3522180JT 3522180JT 75 3522180JT 76 A0512259WRR A0522259WRR A05022259W	Nat. Thick Film 25121 Chris Shi, 30 A 2000pm (1)	PCG, RC7, RC9, RC1, RC2, RC3, RC3, RC3, RC3, RC3, RC3, RC3, RC3	35221R0JT SMD-0805-RES Test Point TSOP65P640X120-16N SOP127P1060X175-16N TSOP65P640X120-24N Raspbarry FI Model 384	35221R0JT NCP21X9472X03RA TP AOS1219IPWR MAX2222IDW TCA6416PWR RASPBERRY PI 4 MODEL 6	
35221801T 35221801T 35221801T TP AD512299VRR AD512299VRR MACG22259W ACG22259W ACC22259W ACC2225W	Next Thirds Film 25121 Chan Sha Sha 2500ppin Chan Sha Sha 2500ppin RES 2640 1 Cheff 5%	R55, R57, R59, R61, R62, R63, R63, R63, R63, R69, R68, R69, R69, R69, R69, R69, R69, R69, R69	2522/80317 590-0805-8ES 764E-Roile 750/9659406120-56N 500912791660125-56N 750/9659460120-36N Raughorny Fi Model 2812.13952-GRA3-TR	183219631T ND72169472339A TP AD521299WR MACG22205W TCA64169WR RAGGREGHT PI 4 ADGR. 6 S321.T3952-GR.A3-TR	
3522180JT 3522180JT 3522180JT 75 3522180JT 76 A0512259WRR A0522259WRR A05022259W	Nat Thick Film 25121 Onn 95 at 97 at 200ppin Onn 95 at 97 at 200ppin SES 500 1 CHH 5% NY 2512 SES 500 1 CHH 5% NY CT-REPRESTOR 4.76 SES 500 1 CHH 5% NY CT-REPRESTOR 4.76 SES 500 1 CHH 5% NY CT-REPRESTOR 4.76 SES 500 1 CHH 5% SES	655, 657, 659, 861, 862, 863, 862, 863, 862, 863, 862, 863, 862, 863, 862, 863, 862, 863, 862, 863, 863, 863, 863, 863, 863, 863, 863	35221R0JT SMD-0805-RES Test Point TSOP65P640X120-16N SOP127P1060X175-16N TSOP65P640X120-24N Raspbarry FI Model 384	35221R0JT NCP21X9472X03RA TP AOS1219IPWR MAX2222IDW TCA6416PWR RASPBERRY PI 4 MODEL 6	