



Comment	Description	Designator	Footprint	LibRef	Quantity
ADA3708	Raspberry Pi Zero WH (Zero W with	A1	ADA3708_RPI-ZERO	ADA3708	
	Headers) Small Size 2.4 GHz				
Antenna AN043	PCB antenna	AE	AN043	Antenna AN043	
	100uF 10V - 55°C-+125°C				
CA45-C-10V-100µF-K	300mΩ@100kHz ±10% CASE-C_6032	C1	CASE-C_6032	Cap_100uF	
	Tantalum Capacitors				
CC0402KRX7R7BB104	16V 100nF X7R ±10% 0402 Multilayer	C2. C5. C6	CAP0402	CAP-SM-0402-X7R-	
	Ceramic Capacitors MLCC	C2, C5, C6	CAP0402	100NF	
	6.3V 10uF X5R ±20%			CAP-SM-0402-X5R-	
CL05A106MQ5NUNC	0402 Multilayer Ceramic Capacitors	C3, C4, C9, C10	CAP0402	10UF	
	MLCC TANTALUM				
TAJA106K016RNJ	CAPACITORS 10UF 16V CASE-A_3216	C7, C8, C11, C12	CAP-SMD_L3.2-W1.6- R-RD	TAJA106K016RNJ	
	MULTILAYER				
CL05A105KA5NQNC	CERAMIC CAPACITORS MLCC -	CR	CAP0402	CAP-SM-0402-X5R-	
	SMD/SMT 1UF 25V 0402			TOP	
	18.6V 9.4A (8/20us) 5V Bidirectional 5.6V				
LESD5D5.0CT1G	SOD-523 ESD	D1, D2	SOD-523_L1.2-W0.8- LS1.6-BI	LESD5D5.0CT1G	
	Protection Devices 20V 500mV@1A 1A				
LMBR120FT1G	SOD-123 Schottky Barrier Diodes (SBD)	D3	SOD-123_L2.8-W1.8- LS3.7-RD	LMBR120FT1G	
	Connector Header				
B4B-XH-A(LF)(SN)	Through Hole 4 position 0.098	J1, J2, J4, J6	JST_B4B-XH-A(LF)(SN)	B4B-XH-A(LF)(SN)	
Header 7	_2.50mm_ Header, 7-Pin	J3	HDR1X7	Header 7	
	Connector Header	prim.			
B3B-XH-A(LF)(SN)	Through Hole 3 position 0.098	JS	JST_B3B-XH-A(LF)(SN)	B3B-XH-A(LF)(SN)	
D 0 450 TOF	(2.50mm) 3A 12V SMD AC/DC				
DC-050-T25	Power Connectors	Jack	694108106102	DC Jack SMD	
19-217/GHC- YR1S2/3T	DIODES (LED) GREEN			L	
	520-535NM 112-258MCD@20MA	LEDA	LED0603P	LED-0603-RED	
Header 2	TOP VIEW 0603 Header 2-Pin	P1 P2 P3 P4 P S	HDR1X2	Header 2	
Header 5	Header, 5-Pin	P5	HDR1X5	Header 5	
MMRT2222ATT1G	NPN 600mA 40V 150mW SC-75(SOT-	01 02	SC-75-3_L1.6-W0.8-	MMRT2222ATT1G	
WIWIDTZZZZATTIG	523) Transistors (NPN/PNP)	Q1, Q2	P1.00-LS1.6-BR	INWIDI2222ATTIG	
DMG3415U-7	SOT-23-3 MOSFETs	Q3	SOT-23-3_L2.9-W1.6- P1.90-LS2.8-BR-CW	DMG3415U-7	
	62.5mW Thick Film		F 1.70°L32.0°D8°CW		
RC0402FR-073K3L	Resistors 50V ±100ppm/°C ±1% -	R1. R2	RES0402	RES-SM-0402-10K	
	55°C-+155°C 3.3kΩ 0402 Chip Resistor -	1,1,1	NESO402	NES 500 0402 100	
	Surface Mount ±1% 1/16W Thick Film				
	Resistors 50V				
0402WGF1001TCE	±100ppm/°C - 55°C-+155°C 1kΩ	R3, R4, R7	RES0402	RES-SM-0402-1K	
	0402 Chip Resistor ±1% 1/16W Thick Film				
	Resistors 50V				
0402WGF2212TCE	±100ppm/°C - 55°C-+155°C 22.1kΩ	R5	RES0402	RES-SM-0402-1K	
	0402 Chip Resistor - Surface Mount				
	±1% 1/16W Thick Film Resistors 50V				
0402WGF4752TCE RC0402JR-075K1L	±100ppm/°C - 55°C-+155°C 47.5kΩ	R6	RES0402	RES-SM-0402-1K	
	0402 Chip Resistor -				
	Surface Mount 5.1kg 0402 1/16W				
	50V ±5% ±100ppm/°C	R8, R9	RES0402	RES-SM-0402-10K	
	Chip Resistor - Surface Mount	, "/		J JAN 0402-10K	
	CHIP RESISTOR -				
0402WGF1002TCE	SURFACE MOUNT 10KOHMS ±1%	R10, R11, RR	RES0402	RES-SM-0402-10K	
	1/16W 0402 1/16W ±1% 0Ω 0402		1		
RC0402FR-070RL	Chip Resistor	R12, R13	RES0402	RES-SM-0402-0R	
0402WGF3300TCE	CHIP RESISTOR - SURFACE MOUNT	RA	RES0402	RES-SM-0402-220R	
JJ0010L	3300HMS ±1% 1/16W 0402	101	NEJU4UZ		
	62.5mW Thick Film Resistors 50V				
RC0402FR-07100KL	±100ppm/°C ±1% -	RV1, RV2	RES0402	RES-SM-0402-1K	
	55°C-+155°C 100kΩ 0402 Chip Resistor -				
	Surface Mount NO 3.6mm 2.5mm				1
	Gull Wing Gray		CHI CAMO I		
	Rectangle button Brick nogging SPST	sw	SW-SMD_L6.1-W3.6- LS7.9	TS-1092S-B3D2-G	
	6.1mm 250gf@±30gf SMD Tactile Switches				
ESP32-PICO-D4	QFN-48_7x7x05P RF Transceiver ICs	U1	QFN-48_L7.0-W7.0- P0.50-BL-EP5.4	ESP32-PICO-D4	
CP2102N-A02-	QFN-24_4x4x05P USB	U2	QFN-24_L4.0-W4.0-	CP2102N-A02-	
GQFN24R	ICs 68dB@(120Hz) 1A		P0.50-TL-EP2.6	GQFN24R	
	1.3V@(1A) Fixed 5V-5V Positive 1 15V		SOT-223_L6.5-W3.5-	l	
AMS1117-5.0	SOT-223 Linear	U3, U5	P2.30-LS7.0-BR	AMS1117-5.0	
	Voltage Regulators (LDO)				
	SOT-23-5 Linear		SOT-23-5_L2.9-W1.6-	TPAP2112K-3.3TRG1	
TPAP2112K-3.3TRG1	Voltage Regulators	U4			
TPAP2112K-3.3TRG1	Voltage Regulators (LDO) 5A 1 16 Female Type-	U4	P0.95-LS2.8-BR USB-C_SMD-TYPE-C-		