











Comment	CARCERO 41 E 1001/	Designator	Footprint	LibRef	Quantity
0.1uF	CAPCER0.1UF100V X7R0603	C1, C13, C16, C22, C26, C?	Cap-0603	CC0603KRX7R0BB104	
120uF	CAPALUMPOLY	C2	20SVPF120M	20SVPF120M	
100nF	120UF20%20VSMD CAPCER0.1UF50V X7R0402	C6	cap-0402	C1005X7R1H104KT00 0F	
100uF	100uF50V±20% SMD,D6.3xL7.7mm Aluminum Bectrolytic Capacitors - SMD ROHS	C7, C10, C18, C21	RVT1H101M0607	RVT1H101M0607	
100nF	CAPCER0.1UF10V X5R0201	C8	CAP-0201	CC0201KRX5R6BB104	
4.7nF	CAPCER4700PF50V	C11	Cap-0603	CC0603JRNPO9BN47	
1uF	C0G/NPO 0603 CAPCER1UF 25V X5R	C12, C14, C15, C17,	Cap-0603	2 CC0603KRV5R8BB105	
	0603 CAPCER0.22UF25V	C23, C25, C27			
220nF	X5R0402	C19, C20	Cap-0402	CC0402KRX5R8BB224	
10uF	10uF35VX5R20%Pad SMD0603	C24, C?	Cap-0603	GRM188R6YA106MA7 3D	
22uF	CAPCER22UF10V X5R0402	C?	Cap-0402	GRM158R61A226ME1 5D	
PESD5V0H1BSFYL	TVSDIODE5VVM	D1	DSN0603-2	PESD6V0H1BSFYL	
SS36	6.3VC DSN0603-2 Schottky Barrier Diode SK36, DO-214AB,	D2	SMA	SS36	
	3A/60V DIODESCHOTTKY5A				
SS54B-HF	40VSMB	D?	SMB_	SS54B-HF	
1206L300SLTHYR	PTC RESET FUSE 6V3A 1206	F1	Fuse 1206 (3216 Metric)	1206L300SLTHYR	
100MHz	FERRITEBEAD 120 OHM 1206 1LN DC Power Receptacle	FB1	IND-1206	BUM31PG121SN1L	
DC-0360-2.5	260°C Brass- 20°C-+70°C 2.5mm 6mm 2.5A 24V Plugin AC/DC Power Connectors ROHS	'n	DC-0360-2.5	DC-0360-2.5	
TYPE-C-31-M-12	250mA116Female Type-C SMDUSB Connectors ROHS	Þ	TYPE-C-31-M-12_	TYPE-C-31-M-12	
C37208	Straight 1 6 2.54mm Black Brass Plugin,P=2.54mm Pin Headers ROHS	J3	HDR1X6_	C37208	
TF-CARDH1.8	-40°C→70°C 1.8mm Gold Deck MicroSD card (TF card) Copper Alloy Self bomb SMD SD Card Connectors	J4	TF-CARDH1.8	TF-CARDH1.8	
2PTHrough Hole Pads	ROHS Wire Connecting Pad	J5	2PTHrough Hole Pads	2PTHrough Hole Pads	
	The M.2 industry				
20579-001E	standard, support up to 12 GHz	J6	IPEX_20579-001E	IPEX-0001	
3.3uH	5.5A3.3uH Molding Choke±20%6A SMD,5.2x5.4mm Power Inductors ROHS	L1	FXL0530-3R3-M	FXL0530-3R3-M	
47uH	2A47uH±20%250mΩ SMD,6.6x7.2mm Inductors (SMD) ROHS	12,13	CYA0650-47UH	CYA0650-47UH	
Blue	blue 0603 Light Emitting Diodes (LED) ROHS	LED1, LED?	LED-0603	NCD0603B3	
10K	RESSMD 10KOHM 0.1%1/10W0603	R1, R3, R9, R10, R17, R18, R19, R23	Res-0603	RT0603BRD0710KL	
33.2K	RES33.2KOHM1%	R2	Res-0603	RC0603FR-0733K2L	
0R	1/10W0603 RES0 OHMJUMPER	R4. R5	Res-0402	RC0402FR-070RL	
	1/16W0402 RES5.1KOHM1%	, .			
5.1K	1/20W0201	R6, R7	Res-0201	RC0201FR-075K1L	
1M	RESSMD1MOHM5% 1/16W0402	R8	Res-0402	AF0402JR-071ML	
3.3K	RESSMD 3.3KOHM 1%1/10W 0603	R11, R12, R13, R14, R15, R16	Res-0603	RC0603FR-073K3L	
100R	RESSMD 100 OHM 1% 1/4W 0603	R20	RES-0603	RCA0603100RFKEAHP	
2.4k	RES2.4KOHM1%	R21. R22	Res-0402	RC0402FR-072K4L	
200R	1/16W0402 RES200 OHM1%	R?	Res-0402	RC0402FR-07200RI	
SS-12D11L5	1/16W0402 Lying3ASPDT125V 6.3mm13.5mm125V 6.6mm3APCPin 10000 Rectangular columnar -40°C +85°C Black Plugin Slide Switches ROHS	9//1	SS-12D11L5	SS-12D11L5	
B3U-1000P	SWITCH TACTILE SPST-	9W2. SW3	B3U-1000P	B3U-1000P	
	NO0.05A12V SWITCH TACTILE SPST-	. ,			
RED	NO0.05A12V 4.5Vto 17V, 5A, Synchronous Step-	9/4, 9/15	PTS645VK83-2 LFS_	PTS645VK83-2 LFS	
TPS665201DDCR	Down Voltage Regulator in SOT23 6- SOT-23-THIN-40 to 125	UI	TPS565201DDCR	TPS565201DDCR	
AP1509-33SG-13	IC REGBUCK3.3V2A 8SOP	U2	SOP-8L	AP1509-33SG-13	
ESP32-S3-WROOM-1- N16R8	ESP32-S3 chip 2.4GHz SMD,18x25.5mm WiFi Modules ROHS	us	41-SMD Module	ESP32-S3-WROOM-1- N16R8	
TAS5720MRSMR	20Wx1 @4Ω VQFN- 32(4x4) Audio Power OpAmps ROHS	U4	TAS6720M	TAS5720MRSMR	
ATGM336H-5N31	SMD,9.7x10.1mm Satellite Positioning Modules ROHS	U5	ATGM336H	ATGM336H-5N31	
US2DH12TR	Accelerometer X, Y, Z Axis ű2g, 4g, 8g, 16g 0.5Hz = 672Hz 12-I GA	U6	PQFN50P200X200100- 12N	LIS2DH12TR	