





Layer	Name	Material	Thickness	Constant	Board Layer Stack
	Top Overlay				
	Top Solder	Solder Resist	0,40mil	3.5	
1	Top Layer	CF-004	1,38mil		
	Dielectric 1	FR-4	62,99mil	4.8	
2	Bottom Layer	CF-004	1,38mil		
	Bottom Solder	Solder Resist	0,40mil	3.5	
	Bottom Overlay				

<----52 (mm) →

Dosignator	Comment	Description CAP CER 10000PF 50V	Footprint	Manufacturer Part Number	LCSC Part Number	Quantity
eı	10n	CAP CER 10000PF 50V COG/NPO 0005 CAP CER TUF 50V XXR	C2012[0805]	CL23C103JBFNNNE	C27071	
C2	ħu .	0005 Ceramic capacitor SMD-1206 10000+F (10uF) /25V X7R# K	conjess	CL218109KBFNNNE	C28323	
	10u	10%, Samsung, RoHS/4k/	C3216[1206]	CLITETONEAHNANE	C14860	
C4	10u	Coramic capacitor SMD-1206-10000mF (10uF) /25V X7RF K 10%, Samsung, RolfS/4k/	C3216[1206]	CLITETONEAHNANE	C14060	
cs	10u	BullS/W/ Cap Ceramic Your 16V XTR 10% SMD 0805 125°C Emboss	C2012(0805)	CL21816sKOQMINE	CR5841	
CS	100s	CAP CERG TUF 50V	C2012(0805)	CL2/B104/BCN/MVC	062912	
CI .	10u	Cap Coramic Your Service SMD 0805 125°C Emboss 178	C2012(0805)	CL2/B10sKOQMINE	CR5841	
0	10u	Cap Coramic Your 169 XTR 10% SMD 0805 125°C Emboss 1/R	C2012[0805]	CL218166KOQMWNE	CR5841	
C9	47n	Priors include import duty and tax. CAP, 0.047UF, 50V, MICC, 0802; SWIC: No SWIC (15-Jan-2079)	C1608(0603)	CL108473K388WVVC	C1622	
C10	104	Cap Ceramic 10uf 10V XTR 20% Pad SMD 0603 125C T/R	C1608[0603]	GRM/100271A106MA73D	C217415	
C11	10uF	SMD-0603 125C T/R Cap Coramic Youf 10V XTR 20% Pad SMD-0603 125C T/R	C1608[0603]	GRM/188271A106A6A73D	C237435	
E12	104	SMD-0603 125C T/R Cap Coramic Youf 10V XTR 20% Pad SMD-0603 125C T/R	C1608[0603]	GRM/100271A106MA73D	C237435	
C13	47n	Prices include import duty and tax. CAP, 0.0476F, SOV, MICC, 0603; SWIC: No SWIC (15-Jan-2079)	C1608[0603]	CL100473KSIBNANIC	C1622	
C34	100nF	0603 0.1 uF 16 V ±10N Toloranco XTR Multifavor Coramic	C1608[0603]	GRATIBIRTIC TORKASTO	C45000	
CIS	100nF	Chip Capacitor 06030.1 of 16 V x10N Tolerance XTR	C1608[0603]	GRM/188R71C104KA01D	C45000	
C16	220p	Chip Capacitor Cuits Series 220 pf 50 V 45 % Telenance CDC SMT Multilayer Coramic Capacitor CL05 Series 220 pf 50	C1005[0402]	CLOSC221/85N/WC	C307465	
C17	220p	Off Multilayer Ceramic Capacitor (1.05 Series 220 pf 50 V u5 % Tolerance COC	C1005[0402]	CL05C221/85AWAYC	C30746	
C17 C18	220p	V u5 % Tolerance CDC SMT Multilayer Ceramic Capacitor Cap Ceramic Youf 10V XTR 20% Pad	C1608[0603]	CLOSC221/BOMMNC GRA/188E71A106MA73D	C237425	
C19	47n	Priors include import duty and tax. CAP, 0.04XIF, SOV, MLCC, 0.0032; SWIC: No SWIC (15-Jan-2079) Ceramit: capacitor	C1608[0603]	CL100473KSIBNANC	C1622	
CEAT	10u	Ceramic capacitor SMD-1206 10000nF (10uF) /25V X7RF K 10%, Samsung, Rel45/4k/	C3216[1206]	CLITETONKAHNINE	C14860	
D1 D2	GREEN RED Resettable Fuse	UED UED	CID-0603-S CID-0603-S	SZYYDBOSIG SZYYDBOSIR SMDOBOS-110	C434420 C434419 C70062	
n	TYPE-C-31-M-17	& Pires USB Type C Ferrito Boads Multi-	TYPE C - 6 PRIS	DREC-II-M-II	C283540	
13	Ferrite Bead	Fornito Boads Multi- layer 2000hm 25% 100MHz 3A 45mGhm DOR 0805 Paper T/R Fornito Boads Multi-	0005	BLMQ1PG2215N1D	C85840	
12	Ferrite Bead	Ferrito Beads Multi- Layer 2200hm 25% 100MHz 1-4A 100mOhm DICR 0603 Paper T/R	0603	MPZ16085601ATADO	C80165	
13	2u2 Ferrite Bead	Fornito Boads Multi- Layer 2000hm 25% 100MHz 1.4A	MOUTOR 3.2x2.5mm	NET 1025 TOA - 262M-CIS MPT 1408540 TATADO	C30765	
P1	BAT-	100MHz 1.4A 100mChm DCR 0603 Paper T/R Plug	PIN1			
P2 P3	SAI- Header 3	Plug Header, 3-Pin	PINI HDRIKI			
Q1 R1	PMP 084	Translator Bipolar SOT-23 25V 300mW SO0mA PNP Resistor	SOT-23-3 R3216[1206]	58550-2TY 1206W4F400LTSE	C2147 C347521	
102	1k	ER/Series 0603 1 ROhm 0.2 W s0.1 % a50ppm/*C Thick Film Chip Resistor	R1608[0603]	ERJ-PRISE/000V	C193680	
12	1k.	ER/Series 0603 1 kOhm 0.2 W s0.1 % s50ppm/*C Thick Film Chip Resistor	R1608[0603]	ERI-PRIB1000V	C193680	
15	Sk.	Res Thick Film 0005 1K Ohm 1% 0.4W a 100ppm/C Epoxy Resin Pad SMD Automotive I/R	ROSTO(0805)	ESK10E29F1001	CS10097	
RS.	407k	Res Thick Film 0603 407K Ohm 1% 1/10W s100ppm/°C Molded	R1608[0603]	ERI-JEKF4ETTV	C403250	
127	86.6k	T/R Res Thick Film 0603 86.6K Ohm TS 1/10W a 100ppm/°C Molded 3700 Punched Carrier T/IP	R1608[0603]	ERI-JEXFB66ZV	C423381	
10	12k	Ans Thick Film 6600 12K Ohm 0.5% 1/16W a50ppm/°C Molded SMD Punched Carrier	R1608[0603]	ERLINSE1202V	C336849	
19	B2	SMD Punched Carrier T/R Resistor Res Thin Film 0603 100 Ohm 0.1% 1/10W	R1608[0603]	ERAZVEMOCIV	C50696	
R10	1008	100 Ohm 0.1% 1/10W sZppm/*C Molded SMD SMD Punched Carrier T/R Res Thin Film 5603 100 Ohm 0.1% 1/10W	R1608[0603]	ERA-JAED100V	C45624	
R11	1008	100 Ohm 0.1% 1/10W s2Sppm/*C Molded SMD SMD Punched	R1608[0603]	ERA-JAEB100V	045624	
R12	1k	Carrier T/R ERJ Series 0803 1 kOhm 0.2 W s0.1 % stOppen/*C Thick Film Chip Resistor	R1608[0603]	ERI-PEGENOOTV	C193680	
R13	1k.	Chip Resistor IRU Series 0603 1 KOhm 0.2 W a0.1 % a50ppm/*C Thick Film Chip Resistor IRU Series 0603 1	R1608[0603]	ERI-PRIBINGOV	C793680	
R14	Tik.	a50ppm/°C Thick Film Ohip Resistor	R1608[0603]	ERI-PRIBITODOV	C193680	
R15	3308	Res Thick Film 0603 330 Ohm 1% 1/10W +/-100ppm/80 Medded SMD	R1608[0603]	ER120073.000V	C278617	
R16	3308	Punched Carrier T/R Res Thick Film 0600 330 Ohm 1% 1/10W +/-100ppm/8C Molded SMD Punched Carrier T/R	R1608[0603]	ER130073300V	C278617	
R17	1k	IRJ Series 0603 1 kOhm 0.2 W s0.1 % s50ppm/*C Thick Film	R1608[0603]	ERJ-PRISE/000V	C193680	
	152	Molded SMD Purched Carrier T/R ER/Series 0603 1 KOhm 0.2 W 40.1 % 450ppm/*C Thick Film Chip Resistor Res Thick Film 0603 190 Chm 1% 1/10W 4300pm/*C SMD Purched Carrier T/R	R1608[0603]	ERI-3EXF1902V	C192164	
R10		Purched Carrier T/R Res Thick Film 0603 STK Ohm 1% 1/10W s 100ppm/*C Molded SMD Punched Carrier	R1608[0603]	ERU-JEKITS102V	C169254	
R78 R79	51k	s 100ppm/10 Molded SMD Punched Carries				
E79 SW1	SS-12011/CSR	T/R Slide Switch	SS-12011GSR	55-12011G2R	C192484	
R79		Side Switch Carregador bateria 1A MAT Protection	SS-12011GSR SCIPS-EPAD SCIPS-EPAD	55-12011GSR 194056 3380390	C892484 C382139 C79928	
5W1 LT	55-1201163R 194656	Side Switch Carregador bateria 1A MAT Protection	SOPS-EPAD	174056	C382139	
1079 SW1 U1	55-12011/GSR TP4056 8880090	Side Switch Carregador bateria 1A BAT Protection Step-down-Step-Up 1.8V - 5.5V 1.8V - 5.5V 800mA 1.6A 1MHz 8D Module Amplificator e A/D	SOPS-EPAD SOPS-EPAD	174056 3180080	C182139 C79928	
1079 SW1 U1	55-12011/GSR TP4056 8880090	I/R Side Switch Carregador bateria IA BAT Protection Step-down-Step-Up 1.8V-5.5V 1.8V-5.5V 800mA 1.6 Millior 800 Module	SOPS-EPAD SOPS-EPAD	174056 3180080	C182139 C79928	