

DragonBoard410c BOM.xlsx

Seq	Customer Part Number	NEDA	MFG	MFG P/N	QTY PER
1	25-NT726-P1	NF	WUS	25-NT726-P1 R:A-ARW	1
2	100-12974-0000	6892	VISHAY	CRCW12060000Z0EA	2
3	100-46301-1001	1386	PANASONIC	ERJ-1GEF1001C	1
4	100-46301-1003	1386	PANASONIC	ERJ-1GEF1003C	2
5	100-46301-1153	1386	PANASONIC	ERJ-1GEF1153C	1
6	100-46301-1202	1386	PANASONIC	ERJ-1GEF1202C	1
7	100-46301-1622	5146	KOA	RK73H1HTTC1622F	1
8	100-46301-1653	1386	PANASONIC	ERJ-1GEF1653C	1
9	100-46301-2000	1386	PANASONIC	ERJ-1GEF2000C	9
10	100-46301-2212	1386	PANASONIC	ERJ-1GEF2212C	2
11	100-46301-2400	1386	PANASONIC	ERJ-1GNF2400C	2
12	100-46301-3921	1386	PANASONIC	ERJ-1GEF3921C	1
13	100-46301-4702	1386	PANASONIC	ERJ-1GEF4702C	3
14	100-46301-9092	1386	PANASONIC	ERJ-1GEF9092C	1
15	100-46302-1003	5823	YAGEO	RC0402FR-07100KL	1
16	100-46302-6812	5823	YAGEO	RC0402FR-0768K1L	1
17	100-46311-0000	1386	PANASONIC	ERJ-1GE0R00C	34
18	100-46311-0103	5146	KOA	RK73B1HTTC103J	8
19	100-46311-0104	6892	VISHAY	CRCW0201100KJNED	4
20	100-46311-0105	1386	PANASONIC	ERJ-1GEJ105C	2
21	100-46311-0202	5146	KOA	RK73B1HTTC202J	14
22	100-46311-0273	1386	PANASONIC	ERJ-1GEJ273C	3
23	100-46311-0680	5146	KOA	RK73B1HTTC680J	1
24	100-46312-0000	5823	YAGEO	RC0402JR-070RL	5
25	100-46313-0000	5146	KOA	RK73Z1JTDD	1
26	100-76398-R100	1174	SEI	CSR1206FTR100	1
27	105-35016-11R2	4139	SAMSUNG	CL03C1R2BA3GNNC	1
28	105-35066-1180	7710	AVX	02013A180JAT2A	3
29	105-35066-1220	2606	MURATA	GRM0335C1E220JA01D	1
30	105-35066-1470	1165	TDK	C0603C0G1E470J030BA	1
31	105-35067-1330	2606	MURATA	GRM0335C1H330JA01D	1
32	105-35067-2102	4139	SAMSUNG	CL05C102JB5NNNC	2
33	105-35067-2820	2606	MURATA	GRM1555C1H820JA01D	1
34	105-35073-1222	2606	MURATA	GRM033R71A222KA01D	3
35	105-35073-1472	2606	MURATA	GRM033R71A472KA01D	3
36	105-35076-6106	8608	SAMSUNG	CL31B106KAHNNNE	2
37	105-35077-2472	2606	MURATA	GRM155R71H472KA01D	1
38	105-35077-3104	7710	AVX	06035C104KAT2A	2

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Seq	Customer Part Number	NEDA	MFG	MFG P/N	QTY PER
39	105-35272-1103	2606	MURATA	GRM033R60J103KA01D	1
40	105-35272-1104	8608	SAMSUNG	CL03A104KQ3NNNC	50
41	105-35272-1223	1165	TDK	C0603X5R0J223K030BC	8
42	105-35272-1473	7710	AVX	02016D473KAT2A	8
43	105-35272-2105	8608	SAMSUNG	CL05A105KQ5NNNC	5
44	105-35273-1104	2606	MURATA	GRM033R61A104KE15D	10
45	105-35273-2104	2606	MURATA	GRM155R61A104KA01D	2
46	105-35273-2105	7710	AVX	0402ZD105KAT2A	5
47	105-35273-2225	4139	SAMSUNG	CL05A225KP5NSNC	10
48	105-35273-2475	1165	TDK	C1005X5R1A475K050BC	22
49	105-35275-1103	NF	TAIYO YUDEN	EMK063BJ103KP-F	4
50	105-35275-2105	1165	TDK	C1005X5R1C105K050BC	5
51	105-35275-3475	1165	TDK	C1608X5R1C475K080AC	1
52	105-35276-1101	NF	TAIYO YUDEN	TMK063BJ101KP-F	3
53	105-35281-1474	NF	TAIYO YUDEN	AMK063BJ474MP-F	2
54	105-35282-1105	8608	SAMSUNG	CL03A105MQ3CSNH	33
55	105-35282-2106	4139	SAMSUNG	CL05A106MQ5NUNC	1
56	105-35282-3226	8608	SAMSUNG	CL10A226MQ8NRNC	9
57	105-35282-5226	2606	MURATA	GRM21BR60J226ME39L	2
58	105-35283-5476	1165	TDK	C2012X5R1A476M125AC	3
59	110-61331-04R7	NF	CYNTEC	PIMB063T-4R7MS-39	2
60	110-62015-0222	2606	MURATA	LQM18FN2R2M00D	1
61	110-67605-02R7	2606	MURATA	LQP03TN2N7B02D	2
62	110-69568-0010	2606	MURATA	LQP03TN10NH02D	2
63	110-76182-0102	NF	TAIYO YUDEN	MAMK2520T1R0M	1
64	110-76470-0102	1165	TDK	VLS252012HBX-1R0M-1	1
65	110-78993-0222	1165	TDK	VLS252012CX-2R2M	2
66	112-18049-1201	1165	TDK	MMZ1005Y121CT000	1
67	112-61064-0331	2606	MURATA	BLM18SG331TN1D	5
68	112-67777-0241	2606	MURATA	BLM03AX241SN1D	1
69	120-61434-1586	2606	MURATA	SAFFB1G58FA0F0AR15	1
70	120-77042-ES00	2069	JOHANSON TECH	2450BP08A0100E	1
71	135-67742-0000	NF	NDK	NX2520SG-19.2M-EXS00A-CS04340	1
72	135-76374-2400	4258	TXC	7A-24.000MAAE-T	1
73	140-50548-0000	5236	ON SEMI	ESD7C5.0DT5G	3
74	140-81105-0000	7788	NXP	RB751S40,115	1
75	160-63068-0002	NF	ROHM	RUM002N05T2L	7
76	254-72850-0644	7769	FAIRCHILD	FSA644UCX	1

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Seq	Customer Part Number	NEDA	MFG	MFG P/N	QTY PER
77	254-78295-0000	1062	TOSHIBA	TC7USB40MU,LF	1
78	264-81102-0000	2064	MICROCIP	USB2513B-AEZC-TR	1
79	269-77177-0000	2771	ANALOG DEVICES	ADV7533BCBZ-RL	1
80	271-81511-0000	2401	SANDISK	SD9DS28K-8G	1
81	280-81104-0000	7769	FAIRCHILD	FPP1203LUCX	1
82	281-54366-93R3	7713	TI	TPS79333DBVR	1
83	281-69420-0000	7713	TI	TPD4S214YFFR	2
84	281-79893-8104	NF	SILERGY CORP.	SY8104ADC	2
85	287-80844-0000	7713	TI	TPD6E001RSER	1
86	304-59326-1004	5381	CTS	218-4LPSTRF	1
87	305-34131-0002	NF	ALPS	SKRKAHE010	3
88	310-61182-0001	NF	KINGBRIGHT	APT1608QBC/D	1
89	310-61182-0004	NF	KINGBRIGHT	APT1608SGC	4
90	310-61182-0005	NF	KINGBRIGHT	APT1608YC	1
91	328-69678-0000	7713	TI	TPD4S012DRYR	1
92	328-80247-0000	7713	TI	TPD13S523RSVR	1
93	470-34058-1000	2606	MURATA	MM8030-2610RJ3	2
94	470-41341-0008	NF	ALPS	SCHA4B0415	1
95	470-61216-0000	NF	CUI	PJ-041H	1
96	470-69867-0003	8314	FCI ELECTRONICS	87520-0010BLF	2
97	470-77742-1000	8314	FCI ELECTRONICS	10029449-111RLF	1
98	470-78016-0000	8314	FCI ELECTRONICS	10118194-0001LF	1
99	470-80043-0000	3303	MOLEX	873814063	1
100	470-80045-0060	8314	FCI ELECTRONICS	61082-061402LF	1
101	50-R1732-1	NF	FASPRO	50-R1732-1	1
102	CD90-N5836-1B	NF	QUALCOMM	WGR7640-0-17WLNSP	1
103	CD90-NB563-8	NF	QUALCOMM	WCN3620-0-61WLNSP	1
104	CD90-NH472-6	NF	QUALCOMM	PM8916-0-176NSP	1
105	CD90-NN612-1	NF	QUALCOMM	APQ8016-1-760NSP	1
105	100-46311-0472	1386	PANASONIC	ERJ-1GEJ472C	1
106	ANTISTATIC BAG	4607	ULINE	S-5300	1
107	ANTISTATIC LABEL	4607	ULINE	S-2245	1
108	50-NU856-P1	4607	FASPRO	50-NU856-P1 REV B/B	1

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DESCRIPTION
PCB
RES 0 200PPM 0.25W 1206 ROHS
RES 1K 200PPM 1% 0.050W 0201 ROHS
RES 100K 200PPM 1% 0.050W 0201 ROHS
RES 115K 200PPM 1% 0.050W 0201 ROHS
RES 12K 200PPM 1% 0.050W 0201 ROHS
RES 16.2K 200PPM 1% 0.050W 0201 ROHS
RES 165K 200PPM 1% 0.050W 0201 ROHS
RES 200 200PPM 1% 0.050W 0201 ROHS
RES 22.1K 200PPM 1% 0.050W 0201 ROHS
RES 240 200PPM 1% 0.050W 0201 ROHS
RES 3.92K 200PPM 1% 0.05W 0201 ROHS
RES 47K 200PPM 1% 0.050W 0201 ROHS
RES 90.9K 200PPM 1% 0.050W 0201 ROHS
RES 100K 100PPM 1% 0.063W 0402 ROHS
RES 68.1K 100PPM 1% 0.063W 0402 ROHS
RES 0 200PPM 5% 0.050W 0201 ROHS
RES 10K 200PPM 5% 0.050W 0201 ROHS
RES 100K 200PPM 5% 0.050W 0201 ROHS
RES 1M 200PPM 5% 0.050W 0201 ROHS
RES 2K 200PPM 5% 0.050W 0201 ROHS
RES 27K 200PPM 5% 0.050W 0201 ROHS
RES 68 200PPM 5% 0.050W 0201 ROHS
RES 0 200PPM 5% 0.063W 0402 ROHS
RES 0 200PPM 5% 0.1W 0603 ROHS
RES 0.100 100PPM 1% 0.5W 1206 CURRENT SENSE ROHS
CAP,CHIP CERAMIC 1.2PF +/-0.1PF C0G/NP0 25V ROHS
CAP,CHIP CERAMIC 18PF 5% C0G/NP0 25V ROHS
CAP,CHIP CERAMIC 22PF 5% C0G/NP0 25V ROHS
CAP,CHIP CERAMIC 47PF 5% C0G/NP0 25V ROHS
CAP,CHIP CERAMIC 33PF 5% C0G/NP0 50V ROHS
CAP,CHIP CERAMIC 1000PF 5% C0G/NP0 50V ROHS
CAP,CHIP CERAMIC 82PF 5% C0G/NP0 50V ROHS
CAP,CHIP CERAMIC 2200PF 10% X7R 10V ROHS
CAP,CHIP CERAMIC 4700PF 10% X7R 10V ROHS
CAP,CHIP CERAMIC 10UF 10% X7R 25V ROHS
CAP,CHIP CERAMIC 4700PF 10% X7R 50V ROHS
CAP,CHIP CERAMIC 0.1UF 10% X7R 50V ROHS

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DESCRIPTION
CAP,CHIP CERAMIC 0.01UF 10% X5R 6.3V ROHS
CAP,CHIP CERAMIC 0.1UF 10% X5R 6.3V ROHS
CAP,CHIP CERAMIC 0.022UF 10% X5R 6.3V ROHS
CAP,CHIP CERAMIC 0.047UF 10% X5R 6.3V ROHS
CAP,CHIP CERAMIC 1UF 10% X5R 6.3V ROHS
CAP,CHIP CERAMIC 0.1UF 10% X5R 10V ROHS
CAP,CHIP CERAMIC 0.1UF 10% X5R 10V ROHS
CAP,CHIP CERAMIC 1.0UF 10% X5R 10V ROHS
CAP,CHIP CERAMIC 2.2UF 10% X5R 10V ROHS
CAP,CHIP CERAMIC 4.7UF 10% X5R 10V ROHS
CAP,CHIP CERAMIC 0.01UF 10% X5R 16V ROHS
CAP,CHIP CERAMIC 1.0UF 10% X5R 16V ROHS
CAP,CHIP CERAMIC 4.7UF 10% X5R 16V ROHS
CAP,CHIP CERAMIC 100PF 10% X5R 25V ROHS
CAP,CHIP CERAMIC 0.47UF 20% X5R 4V ROHS
CAP,CHIP CERAMIC 1.0UF 20% X5R 6.3V ROHS
CAP,CHIP CERAMIC 10UF 20% X5R 6.3V ROHS
CAP,CHIP CERAMIC 22UF 20% X5R 6.3V ROHS
CAP,CHIP CERAMIC 22UF 20% X5R 6.3V ROHS
CAP,CHIP CERAMIC 47UF 20% X5R 10V ROHS
INDUCTOR,POWER 4.7UH 20% IDC=5.5A SHIELDED ROHS
INDUCTOR,CHOKE 2.2UH 20% 120MA SRF=80 ROHS
INDUCTOR,CHIP FILM 2.7NH +/-0.1NH Q=14@500MHZ SRF=6000 ROHS
INDUCTOR,CHIP FILM 10NH 3% Q=14@500MHZ SRF=3200 ROHS
INDUCTOR,POWER 1.0UH 20% DCR=0.045OHM 3.1A ROHS
INDUCTOR,POWER 1.0UH 20% DCR=0.047OHM 4.0A SHEILDED ROHS
INDUCTOR,POWER 2.2UH 20% DCR=0.08OHM 1.95A SHEILDED ROHS
BEAD,FERRITE CHIP 120OHM 400MA EMI SUPPRESSOR ROHS
BEAD,FERRITE CHIP 330OHM@100MHZ DCR=0.040OHM 1500MA ROHS
BEAD,FERRITE CHIP 240OHM@100MHZ 0.350A DCR=0.38OHM ROHS
FILTER,SAW GPS/GNSS 1565-1606MHZ IL=1.9DB 50/100 1109 ROHS
FILTER,BAND PASS 2400-2500MHZ 1411 IL=1.0DB ROHS
CRYSTAL,19.2MHZ 10PPM 7PF W/THERMISTOR GPS ROHS
CRYSTAL,QUARTZ 24.000MHZ +/-30PPM CL=12PF ROHS
DIODE,ESD PROTECTION 2 LINE BIAS MODE 5V ROHS
DIODE,SCHOTTKY BARRIER 120MA 40V ROHS
TRANSISTOR,N-CHAN MOSFET SWITCHING VDSS=50V 0.2A ROHS
IC,ANALOG SWITCH SPDT MIPI 4-DATA LANE LOW CAPACITANCE ROHS

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DESCRIPTION
IC,USB 2.0 SWITCH DUAL SPDT 480MBPS
IC,USB 2.0 HUB CONTROLLER 3-PORT LOW POWER ROHS
IC,VIDEO INTERFACE RECEIVER MIPI/DSI W/HDMI TRANSMITTER ROHS
IC,MEMORY EMCP (8GB EMMC 5.0 + 8GBIT LPDDR3) HF-ROHS
IC,LOAD SWITCH 55MOHM@3.3V SLEW RATE CONTROLLED ROHS
IC,VOLTAGE REGULATOR 200MA 3.3V LDO ULTRALOW NOISE ROHS
IC,USB OTG W/VBUS OVERVOLT/CURRENT PROTECT 4CHAN ESD CLAMPS ROHS
IC,REGULATOR STEP-DOWN DC/DC CONV SYNC 18V 4.0A 500KHZ
IC,ESD PROTECT 6-CH 15@AIR GAP/8@CONT ACT DISC/15@HBM KV ROHS
SWITCH,DIP SPST 4-POS 0.050" PITCH ROHS
SWITCH,TACT PUSH-BUTTON 12VDC 50MA HEIGHT=2MM ROHS
LED,CHIP 0603 BLUE 100MCD@20MA 470NM ROHS
LED,CHIP 0603 GREEN 15MCD@20MA 565NM ROHS
LED,CHIP 0603 YELLOW 8MCD@20MA 590NM ROHS
PROTECTOR,USB-HS/USB OTG/USB 4 CHANNEL ESD ROHS
SUPPRESOR,TVS DIODE HDMI ESD PROT 13CH CURRENT LMT LD SWITCH ROHS
CONN,COAX SWITCH SMT 2X2
CONN,MICRO SD/TRANSFLASH CARD SLOT
CONN,DC POWER PCB JACK 16VDC 5A 1.65MM DIA ROHS
CONNECTOR,USB R/A RCPT SERIES A PIN LENGTH=2.8MM ROHS
CONN,HDMI 19-POS RECEPTACLE R/A W/O FLANGE 3U" AU FLASH ROHS
CONN,RECEPTACLE R/A USB MICRO-B ROHS
CONN,RECEPTACLE 40-POS H=4.50MM W/ COVER ROHS
CONN,RECEPTACLE 0.8MM CTR 60-POS W/ METAL CAP ROHS
SHIELD, SYN, NIRVANA
WGR7640 (032-0), 17WLNSP, RF/ANALOG, EUROPAS (1.1), TSMC
WCN3620 (005-0), 61WLNSP, RF/ANALOG, PB-FREE,, RHEA (1.1.2), GF
PM8916 (002-YC), 176NSP, RF/ANALOG, AKELA (2.0.0), SMIC
APQ8016 (100-0)760NSP,1.2GHZ,533MHZ,FDH,1080,8MP/13MP,BAGHEERA(1.0)TSMC/GF/SS
APQ8016 (100-0)760NSP,1.2GHZ,533MHZ,FDH,1080,8MP/13MP,BAGHEERA(1.0)TSMC/GF/SS
ESD BAG
ESD LABEL
1 PC SHIELD