

Parts List

Design Title:

AVNET-SILICA - "BAESILICASTMEMS!B"
RSR 1121 Rev. /C

Date:

Sabato 13 maggio 2017

Time:

12:46

Variant : FITTED

Part Name/Number	Description	Qty	Comps.
0 0603	RESISTENZA PONTE SMD C0603	16	R2 R14 R23 [NOT FITTED] R24-25 R37 R43 R44 [NOT FITTED] R47 R50 R54 R57-58 R65-66 R81 R91 [NOT FITTED] R93 [NOT FITTED] R95 R96 [NOT FITTED] R97
0.05 1% 0603	RESISTENZA 1% SMD C0603	1	R36
0.1 1% WSL0603	VISHAY DALE WSL0603R1000FEA	1	R52
1 0603	RESISTENZA 5% SMD C0603	0	R94 [NOT FITTED]
100 0603	RESISTENZA 5% SMD C0603	7	R1 R9 R29 R30 [NOT FITTED] R40 R56 R78 R84
100K 0603	RESISTENZA 5% SMD C0603	4	R28 R38 R59 R82
100K NTC	RESISTENZA NTC A DISCO 22K	0	RV1 [NOT FITTED]
100K NTC 0603	MURATA NCP18WF104J03RB NTC RES	0	RV2 [NOT FITTED]
100N 0603	CAP X7R 50V SMD C0603	22	C2 C11-12 C14-16 C19 C26-28 C30 C37-38 C44-46 C49 C51 C56 C58 C68

RSR1121-C B.O.M.

100P 0603	CAP X7R 50V SMD C0603	1	C71
10K 0603	RESISTENZA 5% SMD C0603	4	C54
			R49
			R51
			R60-61
			R74 [NOT FITTED]
10N 0603	CAP X7R 50V SMD C0603	2	C5
			C42
10N 16V X7R 0603	CAP CERAMICA X7R 10% SMD 0603	1	C57
10P NP0 0603	CAP NP0/COG 50V SMD C0603	2	C47
			C65
10U 16V X5R 0603	MURATA GRM188R61C106MA73D	6	C22
			C32-33
			C39-41
10U 6V3 X5R 0603	TDK C1608X5R0J106M	1	C55
12P NP0 0603	CAP NP0/COG 50V SMD C0603	2	C20
			C29
15 ERJ 5% 0603	PANASONIC ERJPA3J150 RESISTOR	2	R33-34
150K 1% 0603	RESISTENZA 1% SMD C0603	1	R68
18K7 1% 0603	RESISTENZA 1% SMD C0603	1	R35
1K 0603	RESISTENZA 5% SMD C0603	3	R7 [NOT FITTED]
			R22
			R70
			R80
1M 0603	RESISTENZA 5% SMD C0603	1	R21
1N 0603	CAP X7R 50V SMD C0603	1	C73
1U 16V X7R 0603	CAP CERAMIC X7R 10% SMD	12	C1
			C3
			C10
			C18
			C23
			C25
			C31
			C34-35
			C43
			C48
			C50
			C69 [NOT FITTED]
1U 6V3 X5R 0603	KEMET C0603C105M9PAC	1	C52
1UH LQM 0603	MURATA LQM18PN1R0NF0L INDUCTOR	1	L2
20K 1% 0603	RESISTENZA 1% SMD C0603	3	R6
			R42
			R98
22 0603	RESISTENZA 5% SMD C0603	4	R4
			R10
			R17
			R31
220P NP0 0603	CAP NP0/COG 50V SMD C0603	1	C66
220U 6V3 TMJ-D_A	CAP.AVX TMJD227K006RCQYA	0	C53 [NOT FITTED]
22K 0603	RESISTENZA 5% SMD C0603	10	R8
			R13
			R62
			R67
			R72-73
			R75 [NOT FITTED]
			R85
			R87-88
			R89 [NOT FITTED]
			R90
22N 0603	CAP X7R 50V SMD C0603	2	C17
			C21
2K2 0603	RESISTENZA 5% SMD C0603	6	R18

RSR1121-C B.O.M.

			R32
			R55
			R63
			R76
			R86
2M21 1% 0603	RESISTENZA 1% SMD C0603	2	R12
			R20
30K 0603	RESISTENZA 5% SMD C0603	1	R77
31K6 1% 0603	RESISTENZA 1% SMD C0603	1	R53
36K 0603	RESISTENZA 5% SMD C0603	2	R27
			R39
3K3 0603	RESISTENZA 5% SMD C0603	1	R99
3N3 0603	CAP X7R 50V SMD C0603	1	C13
3P9 NP0 0603	CAP NP0/COG 50V SMD C0603	0	C75 [NOT FITTED]
			C77-78 [NOT FITTED]
470NH LQM18PN-FR 0603	MURATA LQM18PNR47NFR INDUCTOR	1	L1
470U 4V X5R 1812	20% TAIYO YUD AMK432BJ477MM-T	1	C59
47K 0603	RESISTENZA 5% SMD C0603	1	R79
47N 0603	CAP X7R 50V SMD C0603	4	C6-9
47P 1% NP0 50V 0603	AVX 06035A470FAT2A CAPACITOR	2	C60
			C63
4K7 0603	RESISTENZA 5% SMD C0603	9	R3
			R15-16
			R26
			R41
			R45
			R64
			R69
			R83
4U7 10V X7R 0603	MURATA GRM188Z71A475KE15D	5	C4
			C24
			C36
			C67
			C74
5.6NH 0603 LPQ18	LQP18MN6N8C02D MURATA INDUCTOR	1	L5
51K 0603	RESISTENZA 5% SMD C0603	2	R46
			R48
51K 1% 0603	RESISTENZA 1% SMD C0603	1	R11
56NH ELJ-NC	IND.PANASONIC 5% 0R63 200mA	0	L4 [NOT FITTED]
56P NP0 0603	CAP NP0/COG 50V SMD C0603	2	C70 [NOT FITTED]
			C72
			C76
68K 0603	RESISTENZA 5% SMD C0603	1	R71
73K2 1% 0603	RESISTENZA 1% SMD C0603	1	R5
8MHZ ABMM2	XT ABRACON ABMM2-8.000MHZ-7-E2 18pF	1	X1
9K31 1% 0603	RESISTENZA 1% SMD C0603	1	R19
ANCOR 1.6	ANCORAGGIO FORO 1.6mm	2	CN2-3
ANTENNA 13.56MHZ PCB_31X30	ANTENNA 2-LAY PCB 1,6mm TICK.	0	ANT1 [NOT FITTED]
AP	ANCORAGGIO PAD CIRCLE 25/12	0	A1-12 [NOT FITTED]
			A14-17 [NOT FITTED]
B4327	TDK B39162B4327P810 SAW RF FIL	1	RF1
BAS40-05	VISHAY SCHOTTKY DIODE 40V 0,2A	0	D4 [NOT FITTED]
BAT60J	ST SCHOTTKY DIODE SOD323-SC76	1	D1
BC848C	SABER TRANSISTOR	2	Q2
			Q5
BEAD 600 0805 MPZ	0R1/2A TDK MPZ2012S601AT	1	L3
BGU8009	NXP Low Noise Amp. MMIC	1	U12
BSD840N	INFINEON DUAL N-CH MOSFET	2	Q1
			Q3
C 0603	CAP SIZE 0603	0	C61-62 [NOT FITTED]
			C64 [NOT FITTED]
CLIP	TERMINALE PER TEST/MISURA	0	A13 [NOT FITTED]

RSR1121-C B.O.M.

EMIF02-USB03F2	ESD protect./EMI filt.xUSB OTG	1	U3
ESDAXLC6-1BT2	ST 0402 BIDIR. ESD PROTECTION	1	V1
GREEN LTQ39G	OSRAM LT Q39G-Q1S2-25-1	3	LED2-4
HTS221TR	ST HUMIDITY-TEMPERATURE SENS.	1	S2
JUMPER 2PIN	PONTICEL STRIP MASCHIO 1x2 PIN	3	J1-2
			J5
JUMPER 3PIN	PONTICEL STRIP MASCHIO 1x3 PIN	2	J3-4
LD3985M30R	ST LDO FIXED 3V0 VOLTAGE REG.	1	RG4
LD3985M33R	ST LDO FIXED 3V3 VOLTAGE REG.	1	RG1
LDK130M-R	ST LDO ADJ VOLTAGE REG.	1	RG2
LED HSMF-C165	AVAGO BICOLOR GREEN/RED LED	1	LED1
M24SR02-YDW6T/2	ST NFC/RFID TAG IC TSSOP8	1	U10
MINI-B USB R SMD	KYCON KMBX-SMT-5S-S-30TR SOCKET	1	CN1
MOLEX 53398 3	MOLEX 3 PIN 53398-0371	1	CN6
PULSANTE B3U-1000P-B	OMRON TACTILE SWITCH 3x2,5	2	S1
			S4
PULSANTE FSM6JSMA	TE PUSHBUTTON 6,5x4,5 h=7mm	1	SG1
RED LS Q976	OSRAM LS Q976-NR-1 RED LED 0603	1	LED5
SI2301BDS	VISHAY SILICONIX MFET P SOT-23	1	Q4
SLIDE SWITCH P2.54 WE	WE 450301014042 SLIDE SWITCH	1	SW1
SMA JACK FEMALE	CON. SMA AMPHENOL 132134	1	CN8
SPSGRF-868	ST 868MHZ SPIRIT1 RADIO TRANSC	1	MOD2
ST2378ETTR	TI BIDIR.VOLT.LEV.TRNASL.TSSOP	2	U6-7
STBC08PMR	ST Li-Ion BATTERY CHARGER	1	RG3
STC3115IQT	ST Li-Ion BATTERY GAS GAUGE	1	U2
STEVAL-STLCS01V1	ST SENSOR TILE	1	MOD1
STM32F103CBT6	ST ARM 32-bit CORTEX-M3 MCU	1	U4
STMPE1801BJR	ST IIC I/O EXPANDER CSP-25	1	U11
STPS0520Z	ST SCHOTTKY DIODE SOD-123	2	D2-3
STRIP 3X2	STRIP MASCHIO P.2,54MM 2x3 PIN	1	CN7
STRIP 4x1	STRIP MASCHIO PASSO 2.54	1	CN5
STRIP 6x1	STRIP MASCHIO PASSO 2.54	1	CN4
STSAFA100DFNAC3	ST SECURE ELEMENT UFDFPN8	1	U8
STSAFA100SSR8AC3	ST SECURE ELEMENT S0-8	0	U9 [NOT FITTED]
STWLC04JR	ST Qi WIRELESS POWER RECEIVER	1	U5
TESEO-LIV3FG	ST GNSS MODULE	1	MOD3
TPS22941DCKR	TI CURRENT LIMITED LOAD SWITCH	0	RG5 [NOT FITTED]
TSV611ICT	ST RRIO OP AMP 1,5-5,5V SC70-5	1	U1
VL6180XV0NR/1	ST PROX.& LIGHT AMBIENT SENSOR	1	S3
W3216	PULSE EL.GPS L1 BAND/GNSS ANT.	1	ANT2
End of report			

ADDITIONAL COMPONENTS

2.54mm PITCH JUMPER	JUMPER x STRIP p=2,54mm/Square 0,64mm	5	J1
			J2
			J3 POS.2-3
			J4 POS.2-3
			J5
EXTERNAL BATTERY	Li-Ion BATTERY 3,7V / 400mAh	1	MUST FIT IN CN6
EXTERNAL COIL	WIRELESS POWER RECEIVER COIL LAIRD SWC4242KB120-100	1	CN2-3