

#	NA	RoHS	Bittium Code	Description	Manufacturer	Manufacturer partno	Layout cell	Status	QTY	Ref Designator
1		Not Defined		Belmont PWB				0. Proposal		1 PWB
2		EU RoHS,EU RoHS,China RoHS		IC LEVEL TRANS TXB0104 WCSP	Texas Instruments	TXB0104YZTR	BGA12_1.4X1.9_P0.5	0. Not Defined		4 D1,D4,D5,D16
3		EU RoHS		IC LTE module VZM20Q SMD	Seqans	VZM20Q		0. Proposal		1 D15
4		Not Defined		IC GNSS UFBGA48	Sony	CX05600GF		0. Proposal		1 D13
5		Yes		IC UART+USB TI QFN32	Future Technology Devices International Ltd	FT232RQ		0. Not Defined		1 D17
6		Yes		IC MUX ANALOG TSSA3154 TI DS8GA8	Texas Instruments	TSSA3154YZPR		0. Not Defined		1 D26
7		Not Defined		IC Flash Serial 8Mbit WLCSF8	Winbond	W25Q80EVBWYI		0. Proposal		1 D14
8		EU RoHS		RF SAW FILTER GPS+GLONASS SMD	Murata	SAFFB1G58KA0FOA	FILTER5_1.1X0.9	0. Proposal		2 Z2,Z3
9		EU RoHS		RF SAW FILTER GPS+GLONASS SMD	TDK-EPC Corporation	B39162B9839P810		1. Approved for Design		1 Z4
10		EU RoHS,China RoHS		CRYSTAL 32.768 kHz 10PPM SMD	Abrakon corporation	ABS06-32.768KHz-9-1-T		1. Approved for Design		1 Y1
11		EU RoHS		TCXO 16.368MHz -30/+85C +0.5PPM SMD	NIHON DEMA KOGYO CO. (NDK)	NT2016SA-16.368M-NSA3506A		1. Approved for Design		1 Z1
12		EU RoHS		IC RF AMP 1550-1615MHz SMD	Infineon Technologies	BGA725L6	TSLP-6-2	0. Proposal		1 N7
13		EU RoHS,China RoHS		IC REG LDO 1V8 LP5907 SOT-23	Texas Instruments	LP5907MFX-1.8/NOPB	SOT23-5_H1.45	0. Not Defined		1 N2
14		Yes		IC REG +3V3 TPS73633DBVT SOT23	Texas Instruments	TPS73633DBVT	SSOP5	0. Not Defined		2 N1,N8
15		Unkn		IC LOG NC7SV04L6X TI uPak6	Fairchild Semiconductor	NC7SV04L6X	MICROPAK6	0. Not Defined		4 D3,D20,D24,D25
16		EU RoHS,China RoHS		IC LOG 74LVC2G125 TI VSSOP8	Texas Instruments	SN74LVC2G125DCUT		0. Not Defined		1 D22
17		EU RoHS,China RoHS,1		IC LOG 74LVC1G14GM SOT886	NXP Semiconductors	74LVC1G14GM	MICROPAK6	0. Not Defined		2 D18,D23
18		Yes		TRANS MOSFET N SI1012R SMD	Vishay	SI1012R-T1-GE3 (halogen free)	SC-75A	0. Not Defined		2 V29,V30
19		EU RoHS		Diode TVS 5V3 Bi-Dir 0201	Vishay	ESDVALC5-1Bf4		0. Proposal		8 V1,V6,V7,V14,V17,V20,V21,V22
20		Yes		DIODE TVS 6V SMBJ6.0 DO-214AA SMD	Littelfuse	SMBJ6.0A		0. Not Defined		1 V25
21		EU RoHS,China RoHS		DIODE TVS ARRAY 2X 6V UQFN6	STMicroelectronics	USBULC6-2M6	UQFN6_1.45X1_P0.5	0. Not Defined		1 V63
22	NA	Yes		DIODE SCH 2X BAS70-04 SOT23	Infineon Technologies	BAS70-04		0. Not Defined		1 V26
23		Yes		LED YELLOW 0402	Rohm	SML-P12YT86	SML-P1x	0. Not Defined		1 V62
24		EU RoHS		LED GREEN YELLOWISH TI 0402	Rohm	SML-P12MT	SML-P1x	0. Proposal		2 V60,V61
25		EU RoHS,China RoHS		IC DC/DC CONV 0V9-6V 3A VQFN16	Texas Instruments	TPS62130RGT	QFN16_3X3_P0.5_GND1.75	0. Proposal		1 D2
26		EU RoHS		SOCKET HEADER 1X6 H=7,49MM SMD	Samtec	SSM-106-F-SV-P-TR		0. Proposal		1 X4
27		EU RoHS		SOCKET HEADER 1X8 H=7,49MM SMD	Samtec	SSM-108-F-SV-P-TR		0. Proposal		2 X5,X22
28		EU RoHS		SOCKET HEADER 1X10 H=7,49MM SMD	Samtec	SSM-110-F-SV-P-TR		0. Proposal		1 X9
29		EU RoHS		CON PIN HEADER 1X10 H1=5,84 SMD	Samtec	TSM-110-01-F-SV-P-TR		0. Proposal		1 X10
30		EU RoHS		CON PIN HEADER 1X8 H1=5,84 SMD	Samtec	TSM-108-01-F-SV-P-TR		0. Proposal		2 X1,X12
31		EU RoHS		CON PIN HEADER 1X6 H1=5,84 SMD	Samtec	TSM-106-01-F-SV-P-TR		0. Proposal		1 X2
32		EU RoHS,China RoHS		CON PIN HEADER 2X4 H1=3.05 SMD	Samtec	FTS-104-01-L-DV		0. Not Defined		2 X20,X21
33		EU RoHS,China RoHS		CON RF U.FL PWB JACK STRAIGHT SMD	Hirose Electric	U.FL-R-SMT-1		0. Not Defined		2 X7,X8
34		Yes		CON USB MICRO-B 5 RECEPTACLE SMD	FCI	10103594-0001LF	10103594-0001LF	0. Not Defined		1 X3
35		EU RoHS,China RoHS		CON SIM CARD READER 6PIN NANO	Würth Elektronik		6,93043E+11	0. Proposal		1 X6
36		Yes		SWITCH PUSHB STRAIGHT TI SMD	Panasonic	EVQP2002M		0. Not Defined		1 S1
37		EU RoHS		SWITCH DIP 2X SPST TI SMD	E-Switch	KAN1102RR		0. Not Defined		1 S2
38		Yes		FUSE SELF-RESET 1A5 33V 2920L	Littelfuse	2920L150	SMD2920	0. Not Defined		1 F2
39		EU RoHS		RF-Shield Clip AOF865128 SMD	Q-flex	AOF865128		0. Proposal		4 E1,E2,E3,E4
40		Not Defined		Core Board RF Shield				0. Proposal		1 E5
41		EU RoHS,China RoHS		IND CHIP 7.5NH +-2% 0402	Murata	LQW15AN7N5G00D	L0402	0. Proposal		1 L5
42		EU RoHS		IND CHIP 1.8NH +-0.3NH 0A3 0402	Taiyo Yuden	HK10051N8S-T	L0402	0. Proposal		1 L3
43		Yes		IND CHIP 7.5NH 5% 0402	Murata	LQG15HN7N5J02	L0402	0. Not Defined		1 L1
44		Unkn		IND CHIP 12NH +-0.3NH 0402	Taiyo Yuden	LG HK100512NJ-T	L0402	0. Not Defined		1 L2
45		Yes		IND CHIP 47NH 5% 0402	Murata	LQG15HN47NJ02D		0. Not Defined		1 L6
46	NA	Yes		IND CHIP 47NH 5% 0402	Murata	LQG15HN47NJ02D		0. Not Defined		1 L17
47		EU RoHS,China RoHS		FILTER COM MODE 47NH 0A8 0805	Colcraft	0805USB-901MLC	0805USB	0. Not Defined		1 L16
48		EU RoHS		IND CHIP 1.5UH 9A1 SMD	Colcraft	XFL4020-152MEC	XFL4020	0. Not Defined		1 L7
49		Yes		IND CHIP 4.7NH 5% 0A32 0201	Murata	LQP03TN4N7J02D		0. Not Defined		1 L14
50		EU RoHS		IND CHIP 2.2UH 20% 0A75 0603	Murata	LQM18PN2R2MFRL		0. Proposal		1 L13
51		Yes		FE BEAD 33R/100MHz 25% 0A75 0201	Murata	BLM03PG3305N1		0. Not Defined		1 L15
52		EU RoHS,China RoHS		FE BEAD 600R/100MHz 25% 1400R/1000MHz	Murata	BLM15HD6015N1D	L0402	0. Proposal		1 L4
53		Yes		ESD SUPPRESSOR EZJ20V120IA 0402	Panasonic	EZJ20V120JA	L0402	1. Approved for Design		16 V2,V3,V4,V5,V8,V9,V10,V11,V12,V13,V15,V16,V18,V19,V23,V24
54		EU RoHS,China RoHS		CAP CER 10P0 5% 25V COG 0201	Murata	GRM0335C1E100JA01D		0. Proposal		1 C42
55		EU RoHS,China RoHS		CAP CER 12P0 5% 25V COG 0201	Murata	GRM0335C1E120JA01D		0. Not Defined		2 C50,C51
56		EU RoHS,China RoHS		CAP CER 1N0 10% 25V X7R 0201	Murata	GRM033R71E102KA01D		0. Not Defined		1 C62
57		EU RoHS		CAP CER 100N 10% 10V X5R 0201	Murata	GRM033R61A104KE15D		0. Proposal		6 C52,C53,C54,C55,C56,C57
58		EU RoHS,China RoHS		CAP CER 3P6 +-0P25 50V COG 0402	Murata	GRM1555C1H3R6CA01D		0. Proposal		2 C30,C31
59		EU RoHS,China RoHS		CAP CER 3P9 +-0P25 50V COG 0402	Murata	GRM1555C1H3R9CA01D		0. Proposal		1 C24
60		EU RoHS,China RoHS		CAP CER 4P7 +-0P25 50V COG 0402	Murata	GRM1555C1H4R7CA01D		0. Proposal		1 C32
61		EU RoHS,China RoHS		CAP CER 22P 5% 50V COG 0402	Kemet	C0402C22015GACTU		0. Not Defined		1 C43
62		Not Defined		CAP CER 1N0 10% 50V X7R 0402	Severl			0. Proposal		1 C3
63		EU RoHS		CAP CER 1N0 5% 50V NPO 0402	Murata	GRM1555C1H102JA01D	C0402_SMALL	0. Proposal		1 C26
64		Yes		CAP CER 3N3 10% 50V X7R 0402	Murata	GRM155R71H332KA01D	C0402_SMALL	0. Not Defined		1 C5
65		Yes		CAP CER 10N 10% 50V X7R 0402	Murata	GRM155R71H103KA88D	C0402_SMALL	0. Not Defined		2 C7,C67
66		Not Defined		CAP CER 100N 10% 10V X5R 0402	Severl		C0402_SMALL	0. Proposal		10 C15,C18,C19,C70,C71,C73,C98,C99,C100,C101
67		EU RoHS,China RoHS		CAP CER 100N 10% 50V X7R 0402	Murata	GRM155R71H104KA01D	C0402_SMALL	0. Proposal		14 C4,C9,C10,C28,C33,C34,C35,C40,C75,C76,C82,C83,C84,C106
68		Not Defined		CAP CER 220N 10% 10V X5R 0402	Severl		C0402_SMALL	0. Proposal		1 C25
69		EU RoHS		CAP CER 220N 10% 16V X7R 0402	Murata	GRM155R71C224KA12D		0. Not Defined		3 C58,C59,C60
70		Not Defined		CAP CER 1U0 10% 6V3 X5R 0402	Severl		C0402_SMALL	1. Approved for Design		9 C11,C12,C13,C14,C21,C65,C66,C77,C102
71	NA	Not Defined		CAP CER 1U0 10% 6V3 X5R 0402	Severl			0. Not Defined		3 C103,C104,C105
72		EU RoHS,China RoHS		CAP CER 1U0 10% 10V X5R 0402	Murata	GRM155R61A105KE15J		0. Proposal		1 C61
73		EU RoHS		CAP CER 4U7 10% 6V3 X5R 0603	Kemet / Yageo / AVX	C0603C475K9PACTU / CC0603KRX5R5BB475 / 06036D475KAT2A		0. Not Defined		3 C22,C23,C41
74		Not Defined		CAP CER 10U 20% 25V X5R 0603	Severl		C0603	0. Proposal		2 C6,C8
75		Yes		CAP CER 22U 20% 6V3 X5R 0805	Murata	GRM21BR60J226ME39L	C0805	0. Not Defined		2 C1,C2

76 NA	EU RoHS,China RoHS	CAP CER HIGHQ 0P7 +-0P05 50V COG 0402	Murata	GJM1555C1HR70W801D	C0402	0. Proposal	1 C49
77 NA	Not Defined	RES CHIP 0R 5% OW05 0201	Severl	Severl		0. Proposal	1 R78
78	Not Defined	RES CHIP 10R 1% OW05 -100+350ppm 0201	Severl	Severl	R0201	0. Proposal	3 R64,R65,R66
79	Not Defined	RES CHIP 49R9 1% OW05 200ppm 0201	Severl	Severl		0. Proposal	1 R19
80	Yes	RES CHIP 100K 1% OW05 0201	Panasonic	ERJ1GEF1003C		0. Not Defined	6 R35,R37,R166,R192,R193,R194
81 NA	Yes	RES CHIP 100K 1% OW05 0201	Panasonic	ERJ1GEF1003C		0. Not Defined	3 R81,R82,R188
82 NA	Not Defined	RES CHIP 0R 5% OW063 0402	Severl	Severl	R0402_SMALL	0. Proposal	7 R31,R51,R62,R116,R118,R180,R204
	Not Defined	RES CHIP 0R 5% OW063 0402	Severl	Severl	R0402_SMALL	0. Proposal	68 R2,R5,R6,R7,R11,R12,R13,R14,R15,R16,R17,R20,R21,R22,R23,R24,R25,R26,R27, R28,R30,R33,R34,R38,R39,R41,R42,R43,R44,R52,R53,R54,R55,R67,R73,R80,R92, ,R93,R98,R99,R100,R101,R102,R103,R115,R117,R145,R146,R149,R150,R151,R1 52,R167,R168,R171,R172,R173,R174,R175,R176,R177,R178,R179,R186,R187,R1 89,R190,R191
83							
84	EU RoHS,7.c-1	RES CHIP 10R 5% OW063 200ppm 0402	Yageo	RC0402JR-0710RL		0. Proposal	1 R184
85	EU RoHS,7.c-1	RES CHIP 470R 5% OW063 100ppm 0402	Yageo	RC0402JR-07470RL		0. Proposal	1 R169
86	RoHS	RES CHIP 560R 1% OW063 0402	Yageo/Vishay	RC0402FR-07560RL/CRCW0402560RFKED	R0402_SMALL	0. Proposal	3 R68,R72,R74
87	Not Defined	RES CHIP 1K0 1% OW063 100ppm 0402	Severl		R0402_SMALL	0. Proposal	2 R4,R8
88	EU RoHS,7.c-1	RES CHIP 2K2 5% OW063 100ppm 0402	Yageo	RC0402JR-072K2L		0. Proposal	2 R199,R200
89	EU RoHS	RES CHIP 10K 1% OW063 100ppm 0402	Yageo	RC0402FR-0710KL	R0402_SMALL	0. Proposal	8 R45,R76,R136,R195,R196,R202,R203,R205
90	EU RoHS	RES CHIP 47K 1% OW063 0402		RC0402FR-0747KL / CRCW040247K0FKED	R0402_SMALL	0. Not Defined	1 R10
91	EU RoHS	RES CHIP 100K 1% OW063 100ppm 0402	Yageo	RC0402FR-07100KL	R0402_SMALL	0. Not Defined	7 R9,R18,R29,R32,R36,R40,R75
92	EU RoHS	RES CHIP 120K 1% OW063 0402		RC0402FR-07120KL / CRCW0402120KFKED	R0402_SMALL	0. Not Defined	1 R1
93	EU RoHS	RES CHIP 390K 1% OW063 100ppm 0402	KOA	RK73H1ETTP3903F	R0402_SMALL	0. Proposal	1 R3
94	Not Defined	Belmont Assembled PWB				0. Proposal	1 PWB