



Purchase BOM

Source Data From:

Project:

Variant:

Report Date:

Print Date:

2/09/2019

02-Sep-19

TEKT CoC V1 PCB.PrjPCB

TEKT CoC V1

None

5:41 PM

6:32:28 PM

Note:

Each component is grouped by Manufacturer Part No. and Load column, so it is possible for a single part number to be in multiple rows. **Please ensure DNP parts in "Load" column are not**

Quantity	Designator	Value	Name Error	Comment	Description	Manufacturer	Manufacturer Part No.	Supplier	Supplier Part No.	Footprint	Reference
1	A1	1462350001		1462350001	ANTENNA MOLDED 1.575GHZ GPS	Molex	1462350001	Digi-Key	WM15008CT-ND	1462350001	TEKT_CoC_V1: A1
1	A2	P822601		P822601	ANTENNA PRESTTA OCTABAND LTE	Ethertronics	P822601	Digi-Key	939-1057-1-ND	P822601	TEKT_CoC_V1: A2
4	C1, C9, C15, C23	100pF		100pF	Capacitor, NP0, ±2%	Murata Electronics North America	GRM0335C1E101JA01D	Digi-Key	490-3160-1-ND	CAPC0603X03L_C	TEKT_CoC_V1: C1, C9, C15, C23
6	C2, C8, C16, C21, C25, C26	100nF		100nF	Capacitor, X5R, ±10%	Murata Electronics North America	GRM033R61C104KE84D	Digi-Key	490-9985-1-ND	CAPC0603X03L_C	TEKT_CoC_V1: C2, C8, C16, C21, C25, C26
2	C3, C4	39pF		39pF	Chip Cap 0201	Murata Electronics North America	GRM0335C1H390JA01D	Digi-Key	490-11326-1-ND	CAPC0603X03L_C	TEKT_CoC_V1: C3, C4
5	C5, C17, C18, C19, C22	4.7µF		4.7µF	Capacitor, X5R, ±20%	Murata Electronics North America	ZRB15XR61A475KE01D	Digi-Key	490-13252-1-ND	CAPC1005X04L	TEKT_CoC_V1: C5, C17, C18, C19, C22
1	C6	4.7pF		4.7pF	Chip Cap 0201	Murata Electronics North America	GRM0335C1H47CA01D	Digi-Key	490-6130-1-ND	CAPC0603X03L_C	TEKT_CoC_V1: C6
4	C7, C12, C13, C14	N.C.		N.C.	Not mounted					CAPC0603X03L_C	TEKT_CoC_V1: C7, C12, C13, C14
1	C10	3.5pF		3.5pF	Chip Cap 0201	Taiyo Yuden	UMK063CG3R5CTHF	Digi-Key	587-5326-1-ND	CAPC0603X03L_C	TEKT_CoC_V1: C10
1	C11	33pF		33pF	Chip Cap 0201	Murata Electronics North America	GRM0335C1H330JA01D	Digi-Key	490-6126-1-ND	CAPC0603X03L_C	TEKT_CoC_V1: C11
1	C20	10nF		10nF	Capacitor, X7R, ±10%	Murata Electronics North America	GRM033R61E103KA12D	Digi-Key	490-7194-1-ND	CAPC0603X03L_C	TEKT_CoC_V1: C20
1	C24	10µF		10µF	Capacitor, 0603, 25V, X5R	Murata Electronics North America	ZRB18AR61E106ME01L	Digi-Key	490-10991-1-ND	CAPC1608X06L	TEKT_CoC_V1: C24
2	C27, C28	1.0µF		1.0µF	Capacitor, X5R, ±10%	Samsung Electro-Mechanics	CL03A105KP3NSNC	Digi-Key	1276-6795-1-ND	CAPC0603X03L_C	TEKT_CoC_V1: C27, C28
1	D1	CM1402		CM1402	EMI Network Filter Arrays SIM CARD EMI FILTER WITH ESD PROTECTION	ON Semiconductor	CM1402-03CP	Digi-Key	CM1402-03CPOSTR-ND	CM1402	TEKT_CoC_V1: D1
2	D2, D3	NSR0620P2T5G		NSR0620P2T5G	20V schottky barrier diode, Vf 350 mV @ 100 mA, Ir 2.0 µA @ 10 V, If 500 mA	ON Semiconductor	NSR0620P2T5G	Digi-Key	NSR0620P2T5GOSCT-ND	SODFL100X40-2N	TEKT_CoC_V1: D2, D3
1	J1	MM8130-2600		MM8130-2600	Coaxial Connector with Switch	Murata	MM8130-2600	Digi-Key	490-4981-1-ND	COAXIAL-SWF	TEKT_CoC_V1: J1
1	J2	SF72S006VBAR2500		SF72S006VBAR2500	n 8 (6 + 2) Position Card Connector NANO SIM Surface Mount, Right Angle Gold	JAЕ	SF72S006VBAR2500	Digi-Key	670-2799-1-ND	SF72S006VBAR2500	TEKT_CoC_V1: J2
1	L1	68nH		68nH	Chip Inductor	Murata Electronics North America	LQG15HS68NJ02D	Digi-Key	490-2633-1-ND	INDC1005X04L	TEKT_CoC_V1: L1
1	L2	5.6nH		5.6nH	Chip Inductor	Murata Electronics North America	LQP03TN5N6H02D	Digi-Key	490-6734-1-ND	INDC0603X03L_C	TEKT_CoC_V1: L2
1	L3	3.3nH		3.3nH	Chip Inductor	Murata Electronics North America	LQP03TN3N3B02D	Digi-Key	490-6728-1-ND	INDC0603X03L_C	TEKT_CoC_V1: L3
1	L4	6.8nH		6.8nH	Chip Inductor	Murata Electronics North America	LQP03TN6N8J02D	Digi-Key	490-5564-1-ND	INDC0603X03L_C	TEKT_CoC_V1: L4
1	L5	1.5nH		1.5nH	Chip Inductor	Murata Electronics North America	LQP03TG1N5B02D	Digi-Key	490-14701-1-ND	INDC0603X03L_C	TEKT_CoC_V1: L5
1	L6	22nH		22nH	Chip Inductor	Taiyo Yuden	HKQ0603W22NH-T	Digi-Key	587-4663-1-ND	INDC0603X03L_C	TEKT_CoC_V1: L6
1	L7	4.7µH		4.7µH	Ferrite Inductor, Shielded, 1,04A, 144mOhm	Taiyo Yuden	NR3015T4R7M	Digi-Key	587-1649-1-ND	TY-NR3015	TEKT_CoC_V1: L7
1	LED1	L0603G		L0603G	LED, Green, 0603, 570nm, Vf=1.7V, 2.24..5.6mcd, - 40 to +100°C	Osram	LG L29K-G2J1-24-Z	Digi-Key	475-2709-1-ND	LED_0603_G	TEKT_CoC_V1: LED1
1	M1	nRF9160 DEV2		nRF9160 DEV2	nRF9160 MODULE, SIP LGA	Nordic Semiconductor ASA	NRF9160-SICA	Digi-Key	1490-1074-1-ND	nRF9160_DEV2_MODULE	TEKT_CoC_V1: M1
1	P1	U.FL-R-SMT-1		U.FL-R-SMT-1	ONN U.FL RCFLPTR 50 OHM SMD	Hirose Electric Co Ltd	U.FL-R-SMT-1	Digi-Key	H11891DKR-ND	COAXIAL RF U.FL-R-SMT-1	TEKT_CoC_V1: P1
1	P2	Pin Header 2x5, 1.27mm		Pin Header 2x5, 1.27mm	Pin Header 2x5, 1.27mm (50mil), SMD, Keying Shroud	Samtec Inc.	FTSH-105-01-F-DV-K-TR	Digi-Key	SAM13160CT-ND	HDR_2x5-SMD-1.27mm-K	TEKT_CoC_V1: P2
1	P3	Pin List 1x2, Angled		Pin List 1x2, Angled	Pin List 1x2, 2.54mm (100mil), Right Angled, SMD	Samtec Inc.	TSM-102-01-L-SH-A	Digi-Key	SAM10266-ND	LIST_ANG_1x2-SMD-2.54MM	TEKT_CoC_V1: P3
1	Q1	FDG6321C		FDG6321C	Fairchild, FDG6321C, Dual N & P Channel Digital FET	Fairchild	FDG6321C	Digi-Key	FDG6321CCT-ND	SOT65P210X100-6N	TEKT_CoC_V1: Q1
1	Q2	NX3020NAKV		NX3020NAKV	MOSFET 2N-CH 30V 0.2A SOT666	Nexperia	NX3020NAKV,115	Digi-Key	1727-1287-2-ND	NX3020NAKV	TEKT_CoC_V1: Q2
1	Q3	FCX690BTA		FCX690BTA	45V NPN high gain power transistor	Diodes Incorporated	FCX690BTA	Digi-Key	FCX690BCT-ND	SOT89-150P409X160-3N	TEKT_CoC_V1: Q3
2	Q4, Q5	RV2C010UNT2L		RV2C010UNT2L	N-Channel MOSFET, 20V, 1A, 470mOhm, 400mW	Rohm Semiconductor	RV2C010UNT2L	Digi-Key	RV2C010UNT2LCT-ND	DFN65P100X40-3L	TEKT_CoC_V1: Q4, Q5
1	R1	0R		0R	Resistor, ±5%, 0.063W	Stackpole Electronics Inc	RMCF0402ZT0R00	Digi-Key	RMCF0402ZT0R00CT-ND	RESC1005X04L	TEKT_CoC_V1: R1
1	R2	10k		10k	Resistor, ±1%, 0.05W	Samsung Electro-Mechanics	RC0603F103CS	Digi-Key	1276-3670-1-ND	RESC0603X03L_C	TEKT_CoC_V1: R2
3	R3, R4, R6	0R		0R	Resistor, ±5%, 0.05W	Yageo	RC0201JR-070RL	Digi-Key	311-0.ONCT-ND	RESC0603X03L_C	TEKT_CoC_V1: R3, R4, R6
1	R5	3k		3k	Resistor, ±1%, 0.05W	Yageo	RC0201FR-073KL	Digi-Key	YAG2656CT-ND	RESC0603X03L_C	TEKT_CoC_V1: R5
2	R7, R13	150k		150k	Resistor, ±1%, 0.05W	Stackpole Electronics Inc	RMCF0201FT150K	Digi-Key	RMCF0201FT150KCT-ND	RESC0603X03L_C	TEKT_CoC_V1: R7, R13
2	R8, R14	1M0		1M0	Resistor, ±1%, 0.05W	Yageo	RC0201FR-071ML	Digi-Key	311-1MMCT-ND	RESC0603X03L_C	TEKT_CoC_V1: R8, R14
1	R9	47k		47k	Resistor, ±1%, 0.05W	Samsung Electro-Mechanics	RC0603F473CS	Digi-Key	1276-3701-1-ND	RESC0603X03L_C	TEKT_CoC_V1: R9
1	R10	68R		68R	Resistor, ±1%, 0.05W	Yageo	RC0201FR-0768RL	Digi-Key	YAG2773CT-ND	RESC0603X03L_C	TEKT_CoC_V1: R10
1	R11	120k		120k	Resistor, ±1%, 0.05W	Yageo	RC0201FR-07120KL	Digi-Key	311-120MCT-ND	RESC0603X03L_C	TEKT_CoC_V1: R11
1	R12	100k		100k	Resistor, ±1%, 0.05W	Yageo	RC0201FR-07100KL	Digi-Key	311-100MCT-ND	RESC0603X03L_C	TEKT_CoC_V1: R12

Quantity	Designator	Value	Name Error	Comment	Description	Manufacturer	Manufacturer Part No.	Supplier	Supplier Part No.	Footprint	Reference
3	R15, R16, R18	10M		10M	Resistor, ±1%, 0.05W	KOA Speer Electronics, Inc.	RK73H1HTTC1005F	Digi-Key	2019-RK73H1HTTC1005FCT-ND	RESC0603X03L_C	TEKT_CoC_V1: R15, R16, R18
1	R17	1k		1k	Resistor, ±1%, 0.05W	Yageo	RC0201FR-071KL	Digi-Key	311-1KMCT-ND	RESC0603X03L_C	TEKT_CoC_V1: R17
1	SW1	Switch		Switch	SMD slide Switch (ON-ON)	Copal Electronics Inc	CJS-1200TA	Digi-Key	563-1021-2-ND	CJS-120xA	TEKT_CoC_V1: SW1
1	SW2	Switch		Switch	SMD slide Switch (ON-ON)	C&K Components	JS202011JAQN	Digi-Key	CKN10722CT-ND	Switch-Slide-RA-J-Lead-DPDT-8.5x3.5mm	TEKT_CoC_V1: SW2
1	U1	QM14501		QM14501	GPS, GLONASS, and BeiDou Low Noise Amplifier With Integrated Output SAW Filter, 1.55 to 1.61 GHz, 13.5 dB	Qorvo	QM14501	Qorvo	QM14501	QM14501	TEKT_CoC_V1: U1
2	U2, U3	QM13132		QM13132	Single Pole Double Throw Switch	Qorvo	QM13132	Qorvo	QM13132	QM13132	TEKT_CoC_V1: U2, U3
1	U4	XC9236		XC9236	600mA Driver Transistor Built-In, Synchronous Step-Down DC/DC Converters	Torex Semiconductor	XC9236F08CER-G	Mouser	865-XC9236F08CER-G	USP-6C	TEKT_CoC_V1: U4
3	U5, U7, U8	TCK106AG		TCK106AG	IC POWER DIST LOAD SWITCH 4WCSP	Toshiba	TCK106AG,LF	Digi-Key	TCK106AGLFTR-ND	TCK106AG	TEKT_CoC_V1: U5, U7, U8
1	U6	TS27L2IPT		TS27L2IPT	Precision very low power CMOS dual operational amplifier	STMicroelectronics	TS27L2IPT	Digi-Key	497-8085-1-ND	TSOP65P640X120-8N	TEKT_CoC_V1: U6
1	U9	AP7333-33SAG-7		AP7333-33SAG-7	300mA, Low Quiescent Current, Fast Transient Low Dropout Linear Regulator	Diodes Incorporated	AP7333-33SAG-7	Digi-Key	AP7333-33SAG-7DICT-ND	SOT-23A	TEKT_CoC_V1: U9