



Board Assembly Bill Of Materials

Board ID: EVB-LIV3F
BOM Issue: 5
Dated: 04 Jul 2017

NOTES:
Parts to be bought by assembly subcontractor except those in sections marked as free-issue or those in the Do Not Fit section.

Part No	Part Type	Part Qty	Refs	Value	Description	Package	Manufacture 1		Manufacture 2		Manufacture 3		Distributor		Fitted (Y/N)	Supplied by	RoHS	Comments
							Name	Part Number	Name	Part Number	Name	Part Number	Name	Order Code				
PN-C0603X7R1K100N	CAS	5	C301, C303, C305, C307, C308	100n	Surface mount, general purpose multilayer ceramic chip capacitor 100n; 50V; X7R; +/-10%;	603	TDK	C1608X7R1H104KT	Murata	GRM188R71H104KA93					Yes	SubCo	Yes	
PN-R0402J0R	RES	3	R401, R404, R405	0R	Surface mount chip resistor 0R; 5%; 0.0625W;	402	Rohm	MCR01M2PJ0R	Yageo	RC0402JR-070RL					Yes	SubCo	Yes	
PN-R0603F15K	RES	1	R514	15K	Surface mount chip resistor 15K; 1%; 0.1W;	603	Rohm	MCR03EZPF153	Yageo	AC0603FR-0715KL					Yes	SubCo	Yes	
PN-R0603F1K5	RES	1	R511	1K5	Surface mount chip resistor 1K5; 1%; 0.1W;	603	Rohm	MCR03EZPF152	Yageo	RC0603FR-071K5L					Yes	SubCo	Yes	
PN-R0603F27K	RES	1	R505	27K	Surface mount chip resistor 27K; 1%; 0.1W;	603	Rohm	MCR03EZPF273							Yes	SubCo	Yes	
PN-R0603F4K7	RES	1	R510	4K7	Surface mount chip resistor 4K7; 1%; 0.1W;	603	Rohm	MCR03EZPF472	Yageo	RC0603FR-074K7L					Yes	SubCo	Yes	
PN-R0603F68K	RES	2	R503, R513	68K	Surface mount chip resistor 68K; 1%; 0.1W;	603	Rohm	MCR03EZPF683							Yes	SubCo	Yes	
PN-R0603J100K	RES	2	R314, R319	100K	Surface mount chip resistor 100K; 5%; 0.1W;	603	Rohm	MCR03EZPJ104	YAGEO	AC0603JR-07100KL					Yes	SubCo	Yes	
PN-R0603J1K	RES	2	R304, R305	1K	Surface mount chip resistor 1K; 5%; 0.1W;	603	Rohm	MCR03EZPJ102	Yageo	RC0603JR-131KL	KOA Speer	RK73H1JTTD1001F			Yes	SubCo	Yes	
PN-R0603J1M	RES	2	R502, R512	1M	Surface mount chip resistor 1M; 5%; 0.1W;	603	Rohm	MCR03EZPJ105							Yes	SubCo	Yes	
PN-R0603J22K	RES	1	R311	22K	Surface mount chip resistor 22K; 5%; 0.1W;	603	Rohm	MCR03EZPJ223	Yageo	AC0603JR-0722KL	KOA Speer	RK73H1JTTD2202F			Yes	SubCo	Yes	
PN-R0603J2K2	RES	1	R325	2K2	Surface mount chip resistor 2K2; 5%; 0.1W;	603	Rohm	MCR03EZPJ222							Yes	SubCo	Yes	
SBS-CAS0374	CAS	1	C302	10n	Surface mount, general purpose multilayer ceramic chip capacitor 10n; 25V; X7R; +/-10%;	603	Murata	GRM188R71E103K							Yes	SubCo	Yes	
SBS-CAS0396	CAS	1	C306	10uF	Ceramic chip capacitor. 10uF; 6.3V; X5R; 20%;	603	TDK	C1608X5R0J106M							Yes	SubCo	Yes	
SBS-CAS0424	CAS	2	C300, C501	4u7	Surface mount, general purpose multilayer ceramic chip capacitor 4u7; 16V; X7R; +/-10%;	805	Murata	GRM21BR71C475KA73L	TDK	C2012X7R1C475K125A B					Yes	SubCo	Yes	
SBS-CAS0493	CAS	2	C503, C504	1uF	Surface mount capacitor chip. Low ESR 1uF; 16V; X7R; +/-10%;	603	TDK	C1608X7R1C105K	Murata	GRM188R71C105KA12					Yes	SubCo	Yes	
SBS-CAS0496	CAS	2	C502, C506	4u7	Surface mount 0603 capacitor ceramic 4.7uF; 10% 10V X7S 4u7; 10; X7S; 10;	603	Murata	GRM188C71A475KE11							Yes	SubCo	Yes	
SBS-CAS0506	CAS	1	C505	2.2uF	Surface mount 0603 capacitor ceramic 2.2uF; 10% 10V X7R 2.2uF; 10; X7R; 10;	603	Murata	GRM188R71A225KE15	TDK	C1608X7R1A225K080A C					Yes	SubCo	Yes	
SBS-CAS0507	CAS	2	C500, C507	22uF	22uF capacitor - 6.3V +/-20% - (0805) 22uF; 6.3V; 20%;	805									Yes	SubCo	Unknwn	
SBS-CAS0530	CAS	1	C400	1nF	Automotive Grade Surface mount 0402 capacitor ceramic 1nF; 10% 50V X7R 1nF; 50; X7R; 10;	402	Murata	GCM155R71H102KA37	TDK	CGA2B2X7R1H102K050BA					Yes	SubCo	Yes	
SBS-CAS0534	CAS	3	C401, C402, C403	120pF	Automotive Grade Surface mount 0402 capacitor ceramic 120pF; 5% 50V C0G 120pF; 50; C0G; 5;	402	Murata	GCM1555C1H121JA16	TDK	CGA2B2C0G1H121J050BA					Yes	SubCo	Yes	
SBS-COD0728	COD	6	P300, P301, P302, P400, P500, P503	SNT-100-BK-G	Shunt Samtec 2pins pitch 2.54mm - Black coloured SNT-100-BK-G;		SAMTEC	SNT-100-BK-G							Yes	SubCo	Yes	
SBS-COD0737	COD	6	J300, J302, J303, J400, J500, J503	HEADER	Header connector 1x3 gold finitoin 2.54mm through hole HEADER;	HEADER_1X3	SAMTEC	TSW-103-07-G-S							Yes	SubCo	Yes	
SBS-COD0758	COD	1	CN300		SMT Ultra-Miniature Coaxial Connectors		Hirose	U.FL-R-SMT(10)							Yes	SubCo	Unknwn	
SBS-COD0893	COD	1	J301		Micro-USB B Receptacle, Bottom Mount, SMT, with Solder Tabs, Lead-Free		FCI	10103594-0001LF							Yes	SubCo	Unknwn	
SBS-COD0910	COD	1	CN400	50ohms	50 Ohm SMA Jack, Edge Mount 50ohms;	SMA		SMA-J-P-H-ST-EM2							Yes	SubCo	Unknwn	
SBS-COD0932	COD	1	CN301		Terminal header, 2.54mm pitch, single row, 4 pins, 23.62mm post length, Righth angle	HEADER_2X2_RA	SAMTEC	HTSW-102-10-L-D-RA							Yes	SubCo	Yes	
SBS-COD0933	COD	1	CN302		Through hole header RA, 1X4 pins on a 2.54mm pitch.		MOLEX	705530003							Yes	SubCo	Unknwn	
SBS-DIS0099	DIS	9	D300, D308, D309, D310, D311, D312, D313, D314, D501	ESDAXLC6-1BT2	Single Line bidirectional ESD Protection for High speed Interface ESDAXLC6-1BT2;	SOD882T	STMicroelectronics	ESDAXLC6-1BT2							Yes	SubCo	Unknwn	
SBS-DIS0100	DIS	2	D502, D503		Surface mount SCHOTTKY RECTIFIERS 0.33; 0.5;	SOD 123	STMicroelectronics	STPS0530Z							Yes	SubCo	Unknwn	
SBS-DIS0102	DIS	1	D500	BZT52H-B5V1	Single SMT Zener diodes 5.1V BZT52H-B5V1; 5.1V;	SOD123F	NXP	BZT52H-B5V1							Yes	SubCo	Unknwn	
SBS-HDW0500	HDW	1	HW501		Board label Zebra 27mm x 14mm										Yes	SubCo	Yes	
SBS-HDW0655	HDW	1	B500		Lithium rechargeable battery		SEIKO	MS920SE							Yes	SubCo	Unknwn	
SBS-ICD0680	ICD	1	U503	LDFPUR	1A very low drop voltage regulator. Adjustable LDFPUR; Adj: 1A;	DFN6-3x3	STMicroelectronics	LDFPUR							Yes	SubCo	Yes	
SBS-ICS1527	ICS	1	Z300		Common mode filter with ESD protection for USB2.0 interface	µQFN-8L	STMicroelectronics	ECMF02-4CMX8							Yes	SubCo	Unknwn	
SBS-ICS1654	ICS	1	Z400		Automotive SAW RF filter for GPS+COMPASS+GLONASS	QCS5P	Epcos	B39162B4327P810							Yes	SubCo	Yes	
SBS-ICS1834	ICS	1	U300		USB to serial UART interface		FTDI	FT232RQ							Yes	SubCo	Unknwn	
SBS-ICS1882	ICS	1	U303	TPS22943DCKR	Low-input voltage current-limited load switches. Active High. TPS22943DCKR; 40 mA;	sc70-5 (DCK)	Texas Instruments	TPS22943DCKR			Farnell	1710810			Yes	SubCo	Yes	
SBS-ICS1883	ICS	1	U304		TESEOIII module SMPS version		STMicroelectronics	LIV3							Yes	SubCo	Unknwn	

SBS-ICS1884	ICS	2	U502, U504	ST1S12GR	Synchronous rectification adjustable step-down switching regulator ST1S12GR; 0.7; 1.7;		SRMICROELECTRONIC	ST1S12GR TSOT23-5L							Yes	SubCo	Unkno wn
SBS-ICS1885	ICS	1	U400	BGA824N6	Low Noise Amplifier for GPS, GLONASS, Galileo and Compass BGA824N6;		infineon	BGA824N6							Yes	SubCo	Yes
SBS-IND0205	IND	1	L401	5n6H	Surface mount wire wound inductor. 5n6H; 3%; 0.76A;	L0402	Coilcraft	0402CS-5N6XJLU	Murata	LQW15AN5N6G80D+0021					Yes	SubCo	Yes
SBS-IND0432	IND	1	L400	100nH	100nH - Surface mount inductor - +/-5% - 0402 100nH; +/-5%; 150mA;	402	murata	LQG15HNR10J02							Yes	SubCo	Unkno wn
SBS-IND0470	IND	2	L500, L501	10u	Surface mount magnetically shielded, wire wound inductor for power line applications. 10u; 1.4A;	5x5.2mm SMT	TDK	LTF5022T-100M1R4-LC							Yes	SubCo	Yes
SBS-IND0499	IND	1	L300	40 ohm @ 100MHz	Chip Ferrite Bead inductor. 40 ohm @ 100MHz 40 ohm @ 100MHz;	805	LAIRD	MI0805K400R-10							Yes	SubCo	Unkno wn
SBS-LED0046	LED	1	LD300		LED CBI series single LED indicator lamp, GREEN. 3mm diameter. Right angled. LED center 5.08mm above PCB.	LED_RA_3MM_CBI	Dialight	551-0207F							Yes	SubCo	Yes
SBS-LED0057	LED	1	LD301		LED CBI series single LED indicator lamp, RED. 3mm diameter. Right angled. LED center 5.08mm above PCB.	LED_RA_3MM_CBI	Dialight	551-0407F							Yes	SubCo	Yes
SBS-PCB0440	PCB	1	PCB500		PCB EVB LIV TESEO3										Yes	SubCo	Yes
SBS-PIN0015	PIN	1	J502		2 way pin post PTH header connector. Shroudless, arranged as 1 by 2, pitch 2.54mm.	HEADER_1X2	Samtec	MTSW-102-07-L-S-240							Yes	SubCo	Yes
SBS-RES0513	RES	1	R509	100R	Surface mount resistor. 100R; 0.125W;	R0805	Vishay	CRCW0805100JN	Yageo	RC0805JR-07100RL					Yes	SubCo	Yes
SBS-RES0526	RES	1	R321	1R0	Chip Resistor 1.0R, 1% 1R0; 1%; 0.1W;	R0603	YAGEO	RC0603FR-071RL							Yes	SubCo	Yes
SBS-RES0559	RES	16	R302, R303, R306, R308, R310, R320, R323, R324, R328, R501, R526, R527, R528, R529, R530, R531	0R	Automotive Grade Surface mount chip resistor 0603 package 0Ohm 0R; 0.1;	603	Vishay	CRCW06030000ZS	Yageo	AC0603JR-070RL					Yes	SubCo	Yes
SBS-RES0565	RES	3	R301, R322, R504	10k	Automotive grade Surface mount chip resistor 10k 1% 0603 10k; 1; 0.1;	603	Vishay	CRCW060310K0F	Yageo	AC0603FR-0710KL					Yes	SubCo	Yes
SBS-RES0711	RES	1	R326	100	Surface mount chip resistor 100Ohm 0.1% 0603 100; 0.1; 0.125;	603	Vishay	MCT0603MD1000BP100							Yes	SubCo	Unkno wn
SBS-SWD0053	SWD	1	SW500		Right angle Push button with latchdown		NKK	BB16AH-FA							Yes	SubCo	Unkno wn
SBS-SWD0054	SWD	1	SW300	OFF[ON]	Micro miniature push button switch 4.24 length OFF[ON];		TE connectivity	FSMRA6JH							Yes	SubCo	Unkno wn
SBS-TRS0095	TRS	1	Q300		General Purpose Transistor, NPN Silicon	SOT-416	NXP	BC847BT,115	On Semi	BC847BTT1G					Yes	SubCo	Yes