

		STEVAL-ISV013V1 BILL OF MATERIALS					
		Subject:					
		Phantom Code (0ADL):					
Q.TY	CODE 0ADL	REFERENCE	DESCRIPTION	SIZE	MANUFACTURER	PACKING	
1	0ADL	-C1-	CAPACITOR FILM 0.22uF 630V MKT series p/n B32523Q8224M189	7x26.5mm h16 p.22.5	EPCOS		
2	0ADL	-C2-C4-	CAPACITOR FILM 2.2uF 250V MKT series p/n R60IR4220AA3-K	9x32mm h17 p.27.5	ARCOTRONICS		
	0ADL		CAPACITOR FILM MKT series p/n B32524Q3225K189	11x21x31.5m m p.27.5	EPCOS		
1	0ADL	-C3-	CAPACITOR FILM 22uF 100V MKT series p/n R60ER5220AA4-K	13x32mm h22 p.27.5	ARCOTRONICS		
	0ADL		CAPACITOR FILM 22uF 160V MKT series p/n R60GR5220AA4-K				
	0ADL		CAPACITOR FILM 22uF 100V MKT series p/n B32524Q1226K189	13.5x23x31.5mm p.27.5	EPCOS		
1	0ADL	-C16-	EL. CAPACITOR 33µF 100V 125°C serie BT p/n UBT2A330MPD	ø10x12.5mm	NICHICON		
	0ADL		EL. CAPACITOR 33µF 100V 125°C GXE series p/n EGXE101Exx330MJC5S		NIPPON CHEMICON		
	0ADL		EL. CAPACITOR 33µF 100V 130°C RX30 serie p/n 100RX3033MEFCxx10X12.5		RUBYCON		
1	0ADL	-C25-	EL. CAPACITOR 47µF 63V 125°C BT series p/n UBT1J470MPD	ø10x12.5mm	NICHICON		
	0ADL		EL. CAPACITOR 47µF 63V 125°C GXE series p/n EGXE630Exx470MJC5S		NIPPON CHEMICON		
	0ADL		EL. CAPACIOR 47µF 63V 130°C RX30E serie p/n 3RX3047MEFCxx10X12.5		RUBYCON		
1	0ADL	-C80-	NOT MOUNTED	ø10x12.5mm			
2	0ADL	-D1-D3-	DIODE STTH12R06G	D2PAK	ST		
3	0ADL	-D30-D31-D32-	DIODE SPV1001D40	D2PAK	ST		
2	0ADL	-D7-D19-	DIODE TS821 p/n TS821ILT	SOT23-3L	ST		
	0ADL		DIODE TS821 p/n TS821AILT				
2	0ADL	-D20-D25-	DIODE STTH108A	SMA	ST		
10	0ADL402D	-D6-D13-D21-D22-D23-D24-D26-D27-D28-D29-	DIODE STPS160A	SMA	ST		
	0ADL		DIODE STPS1L60A				
	0ADL		DIODE STPS1150A				

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1	0ADL	-D4-	DIODE STPS2H100U	SMB	ST		
	0ADL		DIODE STPS2H100UF				
	0ADL		DIODE STPS2H100A				
1	0ADL	-D9-	DIODE STTH3L06U	SMB	ST		
1	0ADL	-D2-	DIODE SMBJ70CA-TR	SMB	ST		
1	0ADL	-D10-	ZENER DIODE 5.1V ±5% 500/200mW	SOD123/ SOD323		8mm-R	
2	0ADL	-D11-D17-	DIODE 1N4148W	SOD123/ SOD323		8mm-R	
2	0ADL	-D14-D15-	DIODE BAT48ZFILM	SOD123	ST	8mm-R	
			DIODE BAT48JFILM	SOD323			
2	0ADL	-D5-D12-	???	SMA			
1	0ADL	-D16-	NOT MOUNTED	SMA			
2	0ADL	-D8-D18-	NOT MOUNTED	0805/SMB			
1	0ADL	-D33-	NOT MOUNTED	SMA/SMB			
3	(8477)	-JP1-JP2-JP3-	PINS STRIP 1x2 poles p 2.54				
3	(8477)	-JP4-JP5-JP6-	PINS STRIP 1x3 poles p 2.54				
1	(8477)	-J4-	PINS STRIP 1x6 poles p 2.54				
1	(8477)	-J5-	PIN STRIP 2x9 poles p 2.54				
1	0ADL	-J3-	Connector Tyco 20 pins male p 2.54 (RS CODE 473-8282)		TYCO		
	(8477)		PIN STRIP 2x10 poles p 2.54				
1	0ADL	-L1-	INDUCTOR 80uH PH9136NL-S02	31x30.5mm h15 (SMD)	PULSE	1.012 EU	
1	0ADL	-L4-	INDUCTOR, Bead Chip Ferrite p/n BLM41PG600SN1L	1806	MURATA		
1	0ADL	-L6-	INDUCTOR 10µH p/n B82462G4103M000	6.3x6.3x3mm	EPCOS		
1	0ADL	-L2-	INDUCTOR 22µH p/n B82462G4223M000	6.3x6.3x3mm	EPCOS		
1	0ADL	-L3-	INDUCTOR 1mH p/n B82477G2105M000	12x12x6mm	EPCOS		
1	0ADL	-L5-	NOT MOUNTED	12.8x12.8x8			
1	0ADL	-L7-	NOT MOUNTED	6.3x6.3x3mm			

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Q.TY	CODE 0ADL	REFERENCE	DESCRIPTION	SIZE	MANUFACTURER	PACKING	
4	0ADL	-Q1-Q2-Q3-Q4-	Power MOSFET STH180N10F3-2	H2PAK	ST		
	0ADL		Power MOSFET STB120NF10T4	D2PAK			
1	0ADL	-Q5-	Power MOSFET STN1HNK60	SOT223	ST	8mm-R	
2	0ADL	-Q6-Q7-	TRANSISTOR MMBTA42	SOT23	ST	8mm-R	
3	0ADL057A	-Q9-Q10-Q11-	TRANSISTOR BC847B-FILM	SOT23		8mm-R	
1	0ADL	-Q8-	Power MOSFET STD20NF20	DPAK	ST		
	0ADL		Power MOSFET STD16NF25				
	0ADL		Power MOSFET STD7NS20T4				
8	0ADL564D	-R94-R95-R100-R101-R102-R109-R110-R111-	CHIP RESISTOR 0 ohm	0603		8mm-R	
1	0ADL	-R98-	CHIP RESISTOR 390 ohm ±5% 0.063W	0603		8mm-R	
4	0ADL	-R78-R80-R88-R89-	CHIP RESISTOR 100 ohm ±5% 0.063W	0603		8mm-R	
2	0ADL	-R69-R71-	CHIP RESISTOR 1K ±1% 0.063W	0603		8mm-R	
2	0ADL	-R56-R75-	CHIP RESISTOR 1K ±5% 0.063W	0603		8mm-R	
1	0ADL	-R31-	CHIP RESISTOR 1.5K ±1% 0.063W	0603		8mm-R	
2	0ADL	-R64-R83-	CHIP RESISTOR 3.3K ±1% 0.063W	0603		8mm-R	
1	0ADL	-R36-	CHIP RESISTOR 3.3K ±5% 0.063W	0603		8mm-R	
1	0ADL	-R4-	CHIP RESISTOR 4.7K ±1% 0.063W	0603/0805		8mm-R	
3	0ADL	-R106-R107-R108-	CHIP RESISTOR 4.7K ±5% 0.063W	0603		8mm-R	
4	0ADL	-R57-R62-R79-R81-	CHIP RESISTOR 10K ±1% 0.063W	0603		8mm-R	
15	0ADL	-R58-R59-R60-R61-R66-R70-R72-R73-R93-R96-R97-R99-R103-R104-R105-	CHIP RESISTOR 10K ±5% 0.063W	0603		8mm-R	
2	0ADL	-R52-R53-	CHIP RESISTOR 18K ±1% 0.063W	0603		8mm-R	
1	0ADL	-R35-	CHIP RESISTOR 24K ±1% 0.063W	0603		8mm-R	
1	0ADL	-R37-	CHIP RESISTOR 27K ±5% 0.063W	0603		8mm-R	
2	0ADL	-R5-R23-	CHIP RESISTOR 51K ±1% 0.063W	0603		8mm-R	
1	0ADL	-R33-	CHIP RESISTOR 100K ±5% 0.063W	0603		8mm-R	
2	0ADL	-R67-R74-	CHIP RESISTOR 118K ±1% 0.063W	0603		8mm-R	
1	0ADL	-R34-	CHIP RESISTOR 120K ±1% 0.063W	0603		8mm-R	
1	0ADL	-R19-	CHIP RESISTOR 150K ±5% 0.063W	0603		8mm-R	
1	0ADL	-R50-	CHIP RESISTOR 220K ±5% 0.063W	0603		8mm-R	
1	0ADL	-R49-	CHIP RESISTOR 240K ±5% 0.063W	0603		8mm-R	

Q.TY		STEVAL-ISV013V1 BILL OF MATERIALS							
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Q.TY	CODE 0ADL	REFERENCE	DESCRIPTION				SIZE	MANUFACTURER	PACKING
1	0ADL	-R41-	CHIP RESISTOR	330K	±5%	0.063W	0603		8mm-R
2	0ADL	-R45-R54-	CHIP RESISTOR	470K	±5%	0.063W	0603/0805		8mm-R
1	0ADL	-R55-	CHIP RESISTOR	560K	±5%	0.063W	0603		8mm-R
1	0ADL	-R24-	CHIP RESISTOR	620K	±1%	0.063W	0603		8mm-R
1	0ADL	-R17-	CHIP RESISTOR	1M	±5%	0.063W	0603		8mm-R
1	0ADL	-R51-	CHIP RESISTOR	1.8M	±5%	0.063W	0603		8mm-R
1	0ADL	-R20-	CHIP RESISTOR	2.7M	±5%	0.063W	0603		8mm-R
6	0ADL	-R44-R63-R65-R68-R85-R86-	NOT MOUNTED				0603		
1	0ADL	-R21-	CHIP RESISTOR	1K	±5%	0.125W	0805		8mm-R
1	0ADL	-R32-	CHIP RESISTOR	10K	±5%	0.125W	0805/1206		8mm-R
1	0ADL	-R42-	CHIP RESISTOR	470K	±5%	0.125W	0805		8mm-R
1	0ADL	-R116-	CHIP RESISTOR	0 ohm			1206		8mm-R
1	0ADL	-R43-	CHIP RESISTOR	0.22 ohm	±5%	0.25W	1206		8mm-R
8	0ADL858B	-R76-R77-R82-R84-R87-R90-R91-R92-	CHIP RESISTOR	2.7 ohm	±5%	0.25W	1206		8mm-R
1	0ADL	-R38-	CHIP RESISTOR	10 ohm	±5%	0.25W	1206		8mm-R
2	0ADL	-R25-R26-	CHIP RESISTOR	62 ohm	±5%	0.25W	1206		8mm-R
2	0ADL	-R39-R40-	CHIP RESISTOR	220 ohm	±5%	0.25W	1206		8mm-R
2	0ADL	-R28-R29-	CHIP RESISTOR	750 ohm	±5%	0.25W	1206		8mm-R
1	0ADL	-R18-	CHIP RESISTOR	1K	±5%	0.25W	1206		8mm-R
2	0ADL	-R30-R113-	CHIP RESISTOR	10K	±5%	0.25W	1206		8mm-R
1	0ADL	-R48-	CHIP RESISTOR	22K	±5%	0.25W	1206		8mm-R
2	0ADL	-R46-R47-	CHIP RESISTOR	110K	±1%	0.25W	1206		8mm-R
1	0ADL	-R1-	CHIP RESISTOR	150K	±1%	0.25W	1206		8mm-R
2	0ADL	-R27-R112-	CHIP RESISTOR	300K	±5%	0.25W	1206		8mm-R
2	0ADL	-R9-R14-	CHIP RESISTOR	910K	±5%	0.25W	1206		8mm-R
4	0ADL	-R7-R10-R12-R16-	CHIP RESISTOR	1.5M	±5%	0.25W	1206		8mm-R
2	0ADL	-R2-R3-	CHIP RESISTOR	7.5M	±1%	0.25W	1206		8mm-R
4	0ADL	-R8-R11-R13-R15-	CHIP RESISTOR	5.1M	±5%	0.25W	1206		8mm-R
2	0ADL	-R22-R114-	NOT MOUNTED				1206		
1	0ADL	-R115-	CHIP RESISTOR	0 ohm			1210		8mm-R

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Q.TY	CODE 0ADL	REFERENCE	DESCRIPTION	SIZE	MANUFACTURER	PACKING
1	0ADL	-R6-	CHIP RESISTOR 3 m0hm RL3264-6C-R003-FN	2512	SUSUMU	
4	0ADL295F	-SW1-SW2-SW3-SW4-	PUSH-BUTTON p/n KSR221J p/n IT-1210-S p/n SKQYAB (G4822969M)	SMD	ITT IN SUNG METAL CO ALPS or equivalent	
1	0ADL	-TR1-	TRANSFORMER PH9137NL-S08	RM14/ILP (42.8x44.3)	PULSE	1.12 EU
1	0ADL	-TR2-	TRANSFORMER p/n MAR5175-V01	PTH (10.7x11)	HICAL	0.5 USD
1	0ADL	-IC4-	I.C. LD2981ABU33TR	SOT89	ST	
2	0ADL	-IC5-IC8-	I.C. TSV912BID	S08	ST	
	0ADL		I.C. TSV992 p/n TSV992ID		ST	
	0ADL		I.C. TSV992 p/n TSV992AID		ST	
	0ADL					
1	0ADL	-IC6-	I.C. STG5123DTR	DFN6L 1.2x1mm	ST	
1	0ADL	-IC7-	I.C. TS507IDT	S08	ST	
2	0ADL	-IC9-IC10-	I.C. L6385E p/n L6385ED	S08	ST	
1	0ADL	-IC11-	I.C. STM32F103CBT7	LQFP48 7x7	ST	
1	0ADL	-IC12-	I.C. ST2129 p/n ST2129QTR	QFN10 1.8x1.4mm	ST	
1	0ADL	-IC1-	I.C. TS7221AILT	SOT23-5L	ST	
			I.C. TS7221BILT			
1	0ADL	-IC2-	I.C. UC3843BD1	S08	ST	
	0ADL		I.C. UC2843BD1			
1	0ADL	-IC3-	I.C. TS7211AILT	SOT23-5L	ST	
			I.C. TS7211BILT			
2	0ADL	-IC13-IC14-	I.C. TS432 p/n TS432ILT	SOT23-3L	ST	
	0ADL		CRYSTAL OSC.8 MHz AT-51-CD2-8.000M	12.4x4.7 (SMD)	NDK	

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Q.TY	CODE 0ADL	REFERENCE	DESCRIPTION	SIZE	MANUFACTURER	PACKING
1	0ADL	-Y2-	CRYSTAL OSC.8 MHz 20ppm XJ series	13x4.9 (SMD)	TAITIEN	
	0ADL		CRYSTAL OSC.8 MHz 30ppm ABLS series p/n ABLS-8.0000-S-R80-K-4-Q-F-T		ABRACOM	
	0ADL		CRYSTAL OSC. 8 MHz 30ppm ABLS2 series p/n ABLS2-8.0000-S-R80-K-4-Q-F-T			
	0ADL		CRYSTAL OSC.8 MHz 30ppm ABLS3 series p/n ABLS3-8.0000-S-R80-K-4-Q-F-T			
	0ADL		CRYSTAL OSC.8 MHz 30ppm ABLSG series p/n ABLSG-8.0000-S-R80-K-4-Q-F-T			
	0ADL		CRYSTAL OSC.8 MHz 30ppm ATS-SM series p/n ATS080SM-1E		CTS	
1	0ADL320G	-Y1-	CRYSTAL 32.768KHz p/n DT-38 SMALL	1.5x7.2	NDK	
	0ADL318G		CRYSTAL 32.768KHz p/n MS2V-T1S-32.768KHZ-12-5PF20PPM-TR	1.5x7.2	MICRO CRYSTAL SWITZERLAND	
	0ADL321G		CRYSTAL 32.768KHz p/n TP3M32E NT Cut	1.4x6.9	2B El.	
	0ADL322G		CRYSTAL 32.768KHz p/n MC-146	1.5x7.0	EPSON	
	0ADL611C		OSCILLATOR 32.768KHz p/n RSM200S-32.728-12.5-TR-NPB p/n CM200S p/n DMX26S	8x3.8	RALTRON CITIZEN KDS	16mm-R
	0ADL271G		OSCILLATOR 32.768KHz p/n TPR0002/D TP3M32A-32.768KHz C P12.5 p/n 350039-32768KHz	8x3.8	2B NDK	16mm-R
0	0ADL	-PCB1-	NOT MOUNTED P.C.B. PC997 (PLM)			
	0ADL		NOT MOUNTED P.C.B. PC999 (ZIGBEE)			
1	0ADL		P.C.B. PC978.PR2	120x190mm		