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# ScioSense

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# Bill of Materials



## 125kHz Wakeup Transmitter Board

Company: ams AG  
 Originator: JRY  
 PCB Name: 125kHz Wakeup Transmitter Board  
 PCB Version: 2.0  
 Report Date: 07/02/2013

#	Designator	Comment	Component_Description	Manufacturer	Manufacturer Part Number	Quantity
1	A1	KGEA-BFCR	LF Antenna/KGEA-BFCR-B-	Premo	KGEA-BFCR-B-0500F	1
2	C1, C11	10u	C0805/16V/X5R			2
3	C2, C7, C8, C10	10n	C0603/10V/X5R			4
4	C3, C4	1u	MULTICOMP -	MULTICOMP	MC0603X105M160CT	2
5	C5, C6	220u	KEMET - T491D227K016ZT -	KEMET	T491D227K016ZT	2
6	C9, C12, C13, C14	100n	C0603/10V/X5R			4
7	C17, C18	18p	C0603/50V/X5R			2
8	D1, D3, D4, D5, D6	PMEG4010	NXP - PMEG4010CEJ,115 -	NXP	PMEG4010CEJ,115	5
9	D2	SK310A	TAIWAN SEMICONDUCTOR -	TAIWAN SEMICONDUCTOR	SK310A	1
10	D7	PATTD	MULTICOMP - OVS-0608 -	MULTICOMP	OVS-0608	1
11	D8	PATT	MULTICOMP - OVS-0608 -	MULTICOMP	OVS-0608	1
12	D9	STANDBY	MULTICOMP - OVS-0608 -	MULTICOMP	OVS-0608	1
13	D10, D11, D12	24V	COOPER BUSSMANN -	COOPER BUSSMANN	0603ESDA-TR1	3
14	D13	6.8V	ON SEMICONDUCTOR -	ON SEMICONDUCTOR	MM3Z6V8T1G	1
15	J1	DC_Socket_THMD	LUMBERG - NEB 21 R -	LUMBERG	NEB 21 R	1
16	J2	ICP	5 pole pin header/2.54mm			1
17	R1	100k	R0603/5%/0.1W			1
18	R5	10k	R0603/5%/0.1W			1
19	R7, R8, R9, R10	18	TE CONNECTIVITY / CGS -	TE CONNECTIVITY / CGS	SMW218RJT	4
20	R11	1k5	R0603/5%/0.1W			1
21	R16, R17, R18	680	VISHAY DRALORIC -	VISHAY DRALORIC	CRCW0603680RFKEAHP	3
22	S1, S2, S3, S4	Mode	TE CONNECTIVITY /	TE CONNECTIVITY /	FSM2JSMA	4
23	U1	USB_SMD	CONN RECEIPT USB 5POS	Molex Connector Corporation	56579-0576	1
24	U2	AS1360	IC REG LDO 3.3V .15A	ams	AS1360-33-T	1
25	U3	PIC27FJ64GB002	MICROCHIP -	MICROCHIP	PIC24FJ64GB002-I/ML	1
26	U4, U5	IRF7389	INTERNATIONAL RECTIFIER	INTERNATIONAL RECTIFIER	IRF7389TRPBF	2
27	U6, U7	TC4426ACOA	MICROCHIP - TC4426ACOA -	MICROCHIP	TC4426ACOA	2
28	X1	Piezo	MURATA - PKM13EPYH4002	MURATA	PKM13EPYH4002-B0	1
29	Y1	8MHz	ABRACON - ABMM2-	ABRACON	ABMM2-8.000MHZ-E2-T	1

Approved

Notes

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