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# ScioSense

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# Bill of Materials

AS3933 Demoboard



Company: ams AG  
 Originator: JRY  
 PCB Name: AS3933 Demoboard  
 PCB Version: 1.4  
 Report Date: 24.02.2013

#	Designator	Comment	Component Description	Manufacturer	Manufacturer Part Number	Quantity
1	1	AS1746	Dual SPDT Analog Switch	ams	AS1746-BTDT	1
2	C1, C6	10n	C0603/10V/X5R			2
3	C2, C10	10u	C0805/6.3V/X5R			2
4	C3, C4	1u	C0603/10V/X5R	Yageo	CC0603KRX5R6BB105	2
5	C5, C7, C9, C14	100n	C0603/10V/X5R			4
6	C11	180p	C0603/50V/COG/±2%	Murata	GRM1885C1H181GA01D	1
7	C12, C13	150p	C0603/50V/COG/±2%	Murata	GRM1885C1H151GA01D	2
8	C15, C16	12p	TDK -	TDK	C1608C0G1H120J080AA	2
9	C17, C19	18p	Multilayer Ceramic Capacitors	Murata Electronics	GRM1885C1H180GA01D	2
10	C18	3p	C0603/50V/COG/±2%	Murata	GRM1885C1H3R0BZ01D	1
11	C20	4.7u	C0805/6.3V/X5R			1
12	D1	Z	SUPER Brightness Red	MULTICOMP	OVS-0608	1
13	D2	RS0	SUPER Brightness Red	MULTICOMP	OVS-0608	1
14	D3	RS1	SUPER Brightness Red	MULTICOMP	OVS-0608	1
15	D4	RS2	SUPER Brightness Red	MULTICOMP	OVS-0608	1
16	D5	X	SUPER Brightness Red	MULTICOMP	OVS-0608	1
17	D6	Y	SUPER Brightness Red	MULTICOMP	OVS-0608	1
18	D7	RS4	SUPER Brightness Red	MULTICOMP	OVS-0608	1
19	D8	RS3	SUPER Brightness Red	MULTICOMP	OVS-0608	1
20	D9, S1	ON	MULTICOMP - OVS-0608 -	MULTICOMP, C & K	OVS-0608, PCM125MTR	2
21	D10, D11, D12	24V	COOPER BUSSMANN -	COOPER BUSSMANN	0603ESDA-TR1	3
22	D13	Zener	ON SEMICONDUCTOR -	ON SEMICONDUCTOR	MM3Z6V8T1G	1
23	J2	IDD_AS	2 pole pin header			1
24	J3	ICP	not assembled			1
25	J4	SDI	5 pole pin header			1
26	J5	DAT	3 pole pin header			1
27	LX	X-axis 125kHz coil	7.2mH +/- 5%@ 125kHz	Premo	SDTR1103-0720J	1
28	LY	Y-axis 125kHz coil	7.2mH +/- 5%@ 125kHz	Premo	SDTR1103-0720J	1
29	LZ	Zcoil	7.2mH +/- 5%@ 125 kHz	Premo	ZC1003-0720J	1
30	R1, R17	100k	R0603/5%/0.1W			2
31	R5	10k	R0603/5%/0.1W			1
32	R6, R7, R8	240k	R0603/5%/0.1W			3
33	R9, R10, R11, R12, R13, R14,	680	R0603/5%/0.1W			8
34	R20	3k9	R0603/5%/0.1W			1
35	S2	Mode	TE CONNECTIVITY /	TE CONNECTIVITY /	FSM2JSMA	1
36	U1	AS1362	RF LDO, 3.0V/300mA	ams	AS1362-BTTT-30	1
37	U2	USB_MINI_B	CONN RECEPT MINI USB2.0	Hirose Electric Co Ltd	UX60A-MB-5ST	1
38	U3	Batterie	RENATA - HU2032-LF -	RENATA	HU2032-LF	1
39	U4	PIC27FJ64GB002	IC MCU 16BIT 64KB FLASH	Microchip Technology	PIC24FJ64GB002-IML	1
40	U5	AS3932	RFID PROG RX 15KHZ -	ams	AS3933-BTST	1
41	Y1	CC7V-T1A	MICRO CRYSTAL - CC7V-	MICRO CRYSTAL	CC7V-T1A 32.768KHZ +20PPM 9PF	1

Approved Notes 63