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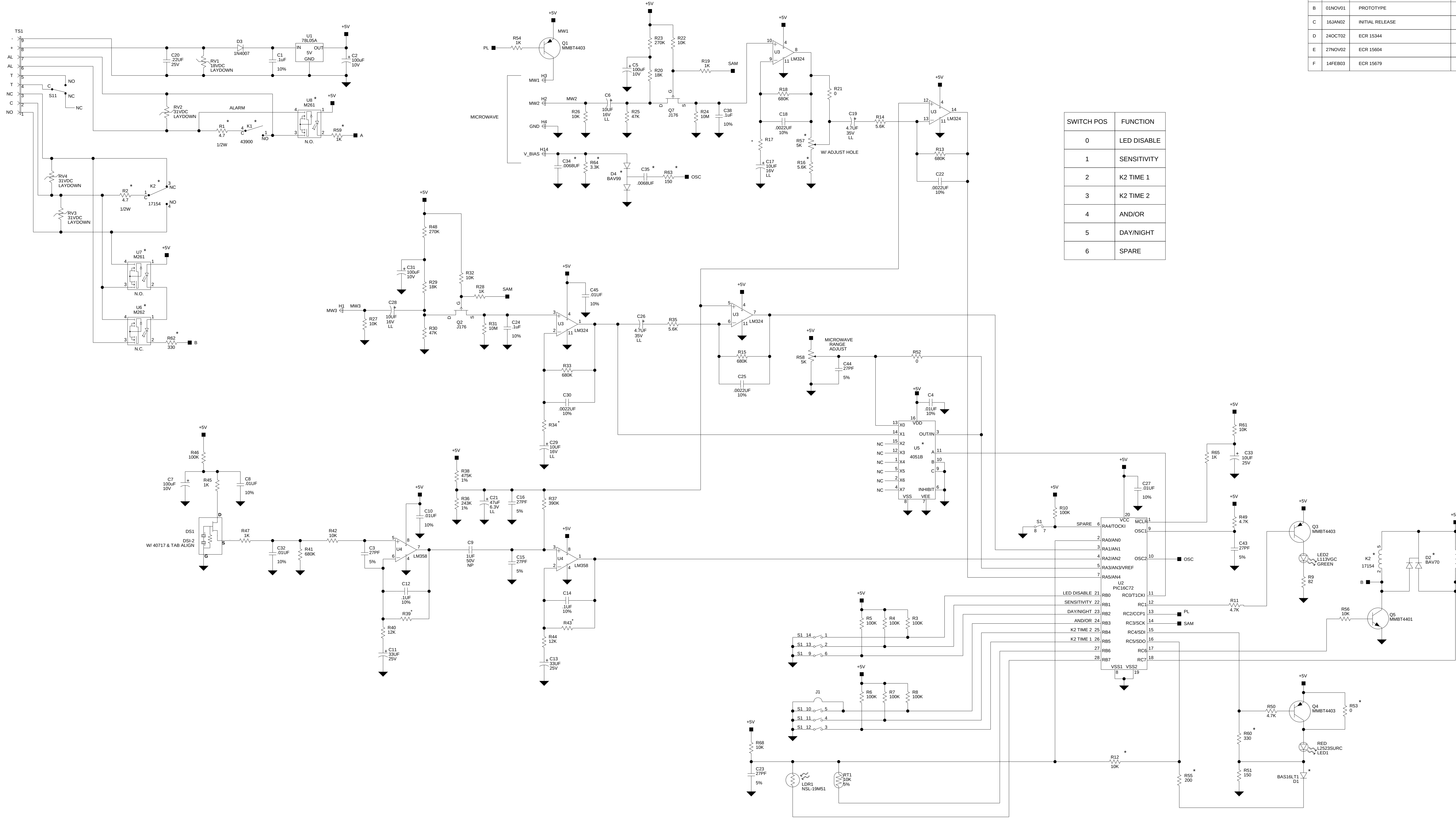
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BOSCH

Design Approval	Initial Date	Title	
Design Review Date			
Manuf. Reviewed		OD850 MAIN BOARD SCHEMATIC	
Test Reviewed			
Release Approval		Drawn By: RHC	Part Number
Release Date		Created: 11-28-2000	D47268
		Sheet: 1 OF 1	Rev F

* SEE BOM FOR VALUE/USAGE

2-19-2003_11-07
**** PROPRIETARY DATA ****
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PART #	QTY	REFDES	COMP_CLASS	DEVICE	COST/PER	TOTAL COST
	14	H1, H2, H3, H4, H5, H6, H7, H8, H9, H10, H11, H12, H13, H14				
	2	FID3, FID4				
	2	FID1, FID2				
14505	1	D3	DIODE	1N4007	0.009	0.00900
16839	1	C21	CAPACITOR	47UF	0.026	0.02600
17154	1	K2	RELAY		1.1	1.10000
17857	2	R1, R2	RESISTOR	4.7	0.0036	0.00720
19295	2	C19, C26	CAPACITOR	4.7UF	0.018	0.03600
19538	4	C2, C5, C7, C31	CAPACITOR	100UF	0.0185	0.07400
19599	1	J1	MISC		0.017	0.01700
19951	1	U3	IC	LM324	0.082	0.08200
20401	1	D4	DIODE	BAV99	0.0113	0.01130
20402	1	D2	DIODE	BAV70	0.023	0.02300
20505	1	U4	IC	LM358	0.082	0.08200
20712	1	S1	SWITCH		0.4	0.40000
21103	1	U1	IC	78L05A	0.1	0.10000
21126	1	S11	SWITCH		0.131	0.13100
21377	1	U5	IC	4051B	0.159	0.15900
21599	1	RV1	SURGE	18VDC	0.032	0.03200
21600	3	RV2, RV3, RV4	SURGE	31VDC	0.032	0.09600
23480	1	Q5	TRANSISTOR	MMBT4401	0.02	0.02000
23481	3	Q1, Q3, Q4	TRANSISTOR	MMBT4403	0.018	0.05400
25084	4	C6, C17, C28, C29	CAPACITOR	10UF	0.0222	0.08880
26124	1	R38	RESISTOR	475K	0.00165	0.00165
26707	5	C1, C12, C14, C24, C38	CAPACITOR	.1UF	0.011	0.05500
28439	1	C33	CAPACITOR	10UF	0.0211	0.02110
30337	2	Q2, Q7	FET	J176	0.12	0.24000
31011	1	C20	CAPACITOR	.22UF	0.034	0.03400
31401	2	C11, C13	CAPACITOR	33UF	0.0268	0.05360
31522	1	R36	RESISTOR	243K	0.0017	0.00170
32116	1	RT1	THERMISTOR	10K	0.115	0.11500
32145	1	D1	DIODE	BAS16LT1	0.015	0.01500
34045	1	DS1	DETECTOR	DSI-2	0.56	0.56000
35891	2	R57, R58	RESISTOR	5K	0.042	0.08400
36891	1	U2	IC	PIC16C72	2	2.00000
43900	1	K1	RELAY		0.32	0.32000
45116	6	C3, C15, C16, C23, C43, C44	CAPACITOR	27PF	0.0092	0.05520

PART #	QTY	REFDES	COMP_CLASS	DEVICE	COST/PER	TOTAL COST
45136	6	C4, C8, C10, C27, C32, C45	CAPACITOR	.01UF	0.0125	0.07500
45180	2	R39, R43	RESISTOR	1M	0.0008	0.00160
45183	2	R40, R44	RESISTOR	12K	0.00165	0.00330
45184	9	R12, R22, R26, R27, R32, R42, R56, R61, R68	RESISTOR	10K	0.0008	0.00720
45191	3	R21, R52, R53	RESISTOR	0	0.0008	0.00240
46048	4	C18, C22, C25, C30	CAPACITOR	.0022UF	0.01	0.04000
46054	2	C34, C35	CAPACITOR	.0068UF	0.00268	0.00536
46201	1	R9	RESISTOR	82	0.0015	0.00150
46206	1	R63	RESISTOR	150	0.0007	0.00070
46206	1	R51	RESISTOR	150	0.0015	0.00150
46209	1	R55	RESISTOR	200	0.0015	0.00150
46214	2	R60, R62	RESISTOR	330	0.0008	0.00160
46224	7	R19, R28, R45, R47, R54, R59, R65	RESISTOR	1K	0.0008	0.00560
46236	1	R64	RESISTOR	3.3K	0.0007	0.00070
46238	2	R17, R34	RESISTOR	3.9K	0.0015	0.00300
46240	3	R11, R49, R50	RESISTOR	4.7K	0.0008	0.00240
46242	3	R14, R16, R35	RESISTOR	5.6K	0.0015	0.00450
46251	2	R20, R29	RESISTOR	18K	0.0008	0.00160
46260	2	R25, R30	RESISTOR	47K	0.0008	0.00160
46268	8	R3, R4, R5, R6, R7, R8, R10, R46	RESISTOR	100K	0.0008	0.00640
46277	2	R23, R48	RESISTOR	270K	0.0015	0.00300
46281	1	R37	RESISTOR	390K	0.0008	0.00080
46287	5	R13, R15, R18, R33, R41	RESISTOR	680K	0.0008	0.00400
46313	2	R24, R31	RESISTOR	10M	0.0015	0.00300
47196	1	LDR1	DETECTOR	NSL-19M51	0.25	0.25000
48205	1	LED1	LED	L2523SURC	0.15	0.15000
49139	1	C9	CAPACITOR	1UF	0.0248	0.02480
49739	1	TS1	T/STRIP		0.27	0.27000
4998130748	1	LED2	LED	L113VGC	0.135	0.13500
4998131342	2	U7, U8	IC	M261	0.32	0.64000
4998131343	1	U6	IC	M262	0.54	0.54000
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