

C1	Remove cable parts and added new harness assembly	2512	MRC	03/19/03
C0	Added RT2, Changed part to make them autoinsertable	2163	MRC	08/13/02
B7	Added PWR SUPPLY LABEL 30-0106	1759	MRC	08-24-01
B6	CHANGE HEATSHRINK TUBING QTY FROM 6 TO 8	1687	MTB	5-8-01
B5	Change C34 from omitted part to a .01uf (62-3142)	1502	MRC	11-22-00
B4	Replace R31 with a 470k Ohm Resistor (50-1523)	1230	MRC	05-16-00
B3	Change C31 to 0.022uF and C32 to 0.47uF	1192	MRC	4-25-00
B2	change R28 from 1 Meg 5 % 1/4 W to 1Meg 5% 1/2W	1183	MRC	4-25-00
B1	ADD GROUND WIRE AND LUG TO SCHEMATIC	1114	DWB	3-27-00
B0	RE-DESIGN ON/OFF TO SOFT POWER REGULATOR	1079	MRC	2/14/00
A4	CHANGE HEAT SHRINK FROM 24-0094 TO 24-0091	727	DWB	8-26-99
A3	CHANGE R7 FROM 2.67K OHM TO 3.16K OHM RESISTOR	673	DWB	8-26-99
A2	CHANGE HEATSINK FROM 70-4215 TO 70-4201 ADD RESISTOR 50-2320 PARALLEL TO C27 CHANGE C18, C25 TO 680 pF ADD 68pF CAP IN SERIES WITH C20	586	DWB	5-18-99
A1	CHANGE R29 FROM 3.3K TO 4.53K RESISTOR	558	DWB	4-28-99
A0	RELEASE TO PRODUCTION	XXXX	MRC	4/1/99
REV	DESCRIPTION	ECN #	INIT	DATE
REVISION HISTORY				
<div style="text-align: center;"> dbx Professional Products 8760 South Sandy Parkway Sandy Utah 84070 </div>				
TITLE:				
HMG SPS 35 WATT SWITCH MODE POWER SUPPLY 5V CONTROL				
DESIGNER: <div style="text-align: center;">MARK CORBRIDGE</div>		ENGINEER: <div style="text-align: center;">JEFF HUTCHINGS/KEVIN GORDON</div>		
SIZE: <div style="font-size: 2em; font-weight: bold;">A</div>	DRAWING NO: <div style="font-size: 1.5em; font-weight: bold;">05-5384</div>			REVISION <div style="font-size: 1.5em; font-weight: bold;">C1</div>
DATE: <div style="font-size: 1.2em; font-weight: bold;">03/13/03</div>	FILENAME: <div style="font-size: 1.2em; font-weight: bold;">055384C1.SCH</div>		SHEET: 1 OF 2	

Bill Of Materials for 055384C1.sch on Thu Mar 20 16:18:16 2003

Qty	Reference	HMG#	Description	Audit	Schematic Part	PCB Decal
1	PCB1	80-5384	PCB 80-5384 HMG 35W SWITCH MODE POWER SUPPLY	PT1046	80XXXXXX	PCBNULL
1	BR1	70-3600	BRG RECT IC 600V 1 AMP TA	PT1465	BR703600	BRIDGE1
2	BRK1-2	NON-PART	NON-PART, PCB ONLY, BREAKOFF PART	PT1481	BRKOFF	BRKOFF
5	C13-15 C24 C35	62-3051	CAP 0.001uF CER 1KV 10% Y5P RC TA	PT2028	C0.001UC1KKR	RCEE200
2	C29-30	56-0007	CAP 0.015uF FILM PTR 100V 5% RF TA	PT1198	C0.015UF100JR	RFDD200
6	C10-12 C23 C34 C39	62-3142	CAP 0.01uF CER 50V 10% X7R 0805 TA	PT1118	C0.01UC50K0805	0805
1	C31	56-0008	CAP 0.022uF FILM PTR 100V 5% RF TA	PT1399	C0.022UF100JR	RFED200
8	C1-3 C19 C40 C43-45	62-3139	CAP 0.1uF CER 50V 20% Y5V 0805 TA	PT1087	C0.1UC50M0805	0805
2	C17 C27	62-3600	CAP 0.1uF FILM MTPT 250VAC 10% RF BK	PT1553	C0.1UF250KR	RFVI590
1	C32	56-0016	CAP 0.47uF FILM MTPT 50V 5% RF TA	PT1308	C0.47UF50JR	RFEF200
4	C16 C21 C36 C38	60-0064	CAP 1000uF EL 16V 20% GP 10x17R 5LL BK	PT1334	C1000UE16MR	REM200P
1	C26	60-3600	CAP 100uF EL 400V 20% GP 25x25R 10LL BK	PT1386	C100UE400MR	REZ400P
3	C37 C41-42	60-0049-01	CAP 10uF EL 16V 20% GP 5x7R 5LS TA	PT1080	C10UE16MR	RED200P
2	C47-48	62-3050	CAP 470pF CER 250VAC 10% Y5P RC BK	PT1582	C470PC250KR	RCHG300
1	C33	62-3133	CAP 470pF CER 50V 10% X7R 0805 TA	PT1086	C470PC50K0805	0805
6	C4-9	60-0058	CAP 470uF EL 25V 20% GP 10x16R 5LL BK	PT1457	C470UE25MR	REM200P
1	C28	60-0054-01	CAP 47uF EL 16V 20% GP 5x11R 5LS TA	PT1108	C47UE16MR	REE200P
2	C18 C25	62-3516	CAP 680pF CER 250VAC 10% Y5P RC BK	PT1643	C680PC250KR	RCIG300
2	C20 C49	62-3038	CAP 68pF CER 1KV 10% SL RC BK	PT2791	C68PC1KKR	RCCE200
1	D7	70-0110	DIO, 1N914, HIGH-SPEED SWITCHING, SOT-23, T&R	PT1004	D1N914-S	SOT-23
1	D6	70-3603	DIODE, 1SMC5388B, ZENER, GLASS, 5W, 200V, 5%, SMC, T&R	PT1456	D1SMC5388B-S	DO-214AB/SMC
4	D2-4 D9	70-3602	RECTIFIER, 35ns, 200V, 3 AMP, SMC, T&R	PT1467	DES3D-S	DO-214AB/SMC
2	D1 D5	70-3601	RECTIFIER, 400V, 1.5 AMP, SMB, T&R	PT1466	DSEOG-S	DO-214AA/SMB
1	D8	72-3601	DIODE, TL431, PROGRAMMABLE PRECISION REFERENCE, TO92(RAC)-V, AMMO	PT1469	DTL431-R	TO92(RAC)-V
1	F1	32-0025	FUSE, 500mA, 250V, TIME LAG, AXIAL, 5 X20mm	PT1537	F0.5A320025	FUSE1
2	FC1-2	32-3191	FUSE CLIP FOR 5 X 20mm FUSES	PT2792	FC323191	FCLIP2-5X20
2	A1-2	NON-PART	NON-PART, FIDUCIAL, TARGET FOR AUTO INSERTION	PT1271	FIDUCIAL	FIDUCIAL
1	FO3	32-2102	FAST ON LUG #6 STAR RING 18-22 AWG DBL	PT2040	FO322102	PCBNULL
1	P3	32-3600	HDR, 12 PIN, 0.118" SPC, 2 X 6 , LKG, SHD, POL, VERT, MALE	PT1460	HDR323600	HC26118LSPM
1	HS3	70-4201	HSK TO-220 VRT BK	PT1346	HS704201	HS704201
3	HS1-2 HS4	70-4215	HEATSINK, TO-220, VERT	PT1339	HS704215	HS704215
1	LBL2	30-0106	LABEL dbx SPS35W RATINGS	PT2685	LABEL300106	LABEL300106
1	LBL1	30-0121	LABEL BARCODE AUTOINSERTABLE RAW	PT2790	LABEL300121	LABEL300121
5	L1-4 L9	26-0215	IND FBD 70 OHM @ 100MHz RIC200 TA	PT1262	LFB260215	RIC200
5	L5-8 L10	26-3602	IND, 10 uH, 3 AMPS, RIK200, BULK	PT1471	LI263602	RIK200
1	M1	NON-PART	NON-PART MECCA GND/PWR TIE POINT 3 POS	PT2481	MECCA3	MECCA3
4	MH1-3 MH5	NON-PART	NON-PART TOOLING PIN HOLE 156MIL HOLE	PT2794	MH156-TOOL	MH156-TOOL
2	MP1-2	NON-PART	NON-PART, 300 PAD, 156 HOLE, PLATED	PT1045	MP300H156	MP300H156
1	P1	32-0057	CON, PLUG, PC MOUNT AC RECEPTACLE, 3 PIN	PT1581	P320057	ACPLUG-1
4	PA3-6	NON-PART	NON PART, PAD ARRAY, 1 PIN, 0.039" HOLE	PT1550	PA1X1-000-039	PA1X1-000-039
2	PA1-2	NON-PART	PAD ARRAY, 1 PIN, 0.055" HOLE	PT1536	PA1X1-000-055	PA1X1-000-055
2	Q2 Q4	70-1058	XSTR, 2N3904, NPN, SOT-23, T&R	PT1203	Q2N3904-S	SOT-23
2	R22 R29	50-1531	RES 0 5% 1/10W SM 0805 TA	PT1099	R0-C5-0805	0805
1	R27	OMIT	OMIT RES 0 5% 1/10W SM 0805 TA (50-1531)	PT1006	R0-C5-08050	0805
1	TP1	50-0317	RES 0 5% 1/4W CF RR TA	PT1008	R0-E5-R	RRA200
1	R6	50-1500	RES 10 5% 1/10W SM 0805 TA	PT1309	R10-C5-0805	0805
1	R33	50-1160	RES 100 5% 1W CF RR BK	PT1569	R100-G5-R	RRC200
1	R32	50-1526	RES 150K 5% 1/10W SM 0805 TA	PT1026	R150KC5-0805	0805
3	R13-15	52-4505	RES 1K 1% 1/10W SM 0805 TA	PT1037	R1KC1-0805	0805
1	R5	50-3601	RES 1K 5% 1W MOF BK	PT1389	R1KG5-R	RRC200
2	R11-12	50-1506	RES 1M 5% 1/10W SM 0805 TA	PT1011	R1MC5-0805	0805
1	R28	50-1950	RES 1M 5% 1/2W SM 2010 TA	PT2793	R1MF5-2010	2010
1	R9	50-1529	RES 2.2K 5% 1/10W SM 0805 TA	PT1127	R2.2KC5-0805	0805
1	R7	52-4508	RES 3.16K 1% 1/10W SM 0805 TA	PT1129	R3.16KC1-0805	0805
5	R10 R18 R23-25	50-3600	RES 4.7 5% 1W MOF BK	PT1390	R4.7-G5-R	RRC200
2	R1 R3	50-1509	RES 4.7K 5% 1/10W SM 0805 TA	PT1012	R4.7KC5-0805	0805
1	R21	50-1518	RES 470 5% 1/10W SM 0805 TA	PT1021	R470-C5-0805	0805
1	R31	50-1523	RES 470K 5% 1/10W SM 0805 TA	PT1025	R470KC5-0805	0805
2	R4 R26	52-4504	RES 499 1% 1/10W SM 0805 TA	PT1102	R499-C1-0805	0805

				055384c1.PPS		
1	R8	50-1524	RES 51 5% 1/10W SM 0805 TA	PT1279	R51-C5-0805	0805
1	R17	50-1511	RES 680 5% 1/10W SM 0805 TA	PT1014	R680-C5-0805	0805
2	R19-20	50-1521	RES 7.5K 5% 1/10W SM 0805 TA	PT1024	R7.5KC5-0805	0805
2	R2 R16	50-1530	RES 750 5% 1/10W SM 0805 TA	PT1029	R750-C5-0805	0805
2	RT1-2	50-3602	THERMISTOR NTC, INRUSH CURRENT LIMITER, 3 A, RRKE250170, BULK	PT1464	RTCL-140-R	RRKE250170
1	T2	26-3601	TRANSFORMER, COMMON MODE CHOKE COIL	PT1472	TR263601	XFR-5
1	T1	26-3600-B	TRANSFORMER, 45W, 50KHZ, MULTI-TAP	PT1607	TR263600B	XFR-4
1	U6	70-4014	V-REG, 7805, +5V, 1.5 AMP, TO-220	PT1591	U7805	TO220(IGO)-V
1	U4	70-4123	V-REG, 7815, +15V, 1 AMP, TO-220	PT1592	U7815	TO220(IGO)-V
1	U5	70-4124	V-REG, 7915, -15V, 1 AMP, TO-220	PT1594	U7915	TO220(GIO)-V
2	U2-3	72-5431	IC, OPTO-ISOLATOR, HIGH INSULATION, DIP6-400-S (SMT), T&R	PT1470	UCNY17-3.3SD-S1	DIP6-400-S
1	U1	72-3600	IC, VIPer100, SMPS PRIMARY I.C., TO-220(5)-V, BULK	PT1468	UVIPER100-V	TO220(5)-V
1	WH1	36-0126	WIRE HAR 2C 18AWG 10"	PT2938	WH360126	
1	W3	36-1140-A	WIRE 18 AWG GREEN W/YELLOW STRIPE 4"	PT2041	WIR18G361140A	PCBNULL