



NOTE: R22, R77, R35 & R36 ARE OPTIONAL.
REPLACE R23 WITH 2.61K 1%
FOR OPTIONAL CONFIGURATION.

dbx PROFESSIONAL PRODUCTS		
8760 South Sandy Parkway Sandy, Utah 84070		
Title dbx 903 COMPRESSOR/LIMITER 80-6172		
Size	Document Number	Rev
B	056172B2.001	B2
Date	Thursday, March 23, 2000	Sheet 1 of 1

5	C1,C2,C3,C4,C11	100PK1KD	62-3040	100	pF Cap	1KV 10%	Ceramic Disc
1	C5	10NPM25E	60-1043	10	uF Cap	25V -20/+20%	Elect NP
4	C6,C7,C8,C9	.01MD	62-3028	.01	uF Cap	50V 20%	Ceramic Disc
1	C10	.001K1KD1	62-3051	.001	uF Cap	1KV 10%	Ceramic Disc Ammo T&R
3	C12,C35,C36	1S63E1	60-0316	1	uF Cap	63V -20/+100%	Alum Rad T&R
3	C13,C14,C34	22S63E1	60-0325	22	uF Cap	63V -20/+100%	Elect.
2	C15,C23	68PK1KD	62-3038	68	pF Cap	1KV 10%	Ceramic AXL NPO
1	C16	1J50FD	56-5065	1	uF Cap	50V 5%	M/Plyes Rad
4	C17,C18,C19,C20	10S63E1	60-0320	10	uF Cap	63V -20/+100%	Alum, Rad
2	C21,C22	1U	60-0044-01	1.0	uF Cap	50V -20/+20%	Elect.
9	C24,C25,C26,C27,C28,C29, C30,C31,C33	.1MM2	62-3068	.1	uF Cap	50V 20%	Ceramic Z5U
8	D1,D2,D3,D4,D5,D6,D12, D13	1N4148	70-0002	1N4148	Diode Silicon Switching,	75 Volts PIV	
2	D7,D14	LEDR702098	70-2098	Red	Light Emitting Diode,	T1 Case	
4	D8,D9,D10,D11	1N4004	70-0009	1N4004	Rect 1A 400V		
1	H1	HDR322111	32-2111	10	Pin Hdr, 5X2, Straight,	.23", 0.1" spacing	
2	I1,I2	INS706008	70-6008		Transipad		
1	J1	HCN323159	32-3159	5	Pin Top entry connector,	0.045 SQ pins	
4	JP1,JP2,JP3,R23	0	50-0050	0	Ohm Resistor 5% 1/4	Watt Carbon Film	
1	P1	PA15	00-0000	15	Pin Pad Pattern, Not a part		
1	PCB1	80-6172-B	80-6172-B		dbx 903 MAIN PCB, RAW, REV B		
1	Q1	2N3440	70-1042	2N3440	NPN, Signal Transistor		
1	Q2	2N4036	70-1038	2N4036	PNP, Signal Transistor		
6	R3,R4,R41,R72,R74,R76	1.00K 1%	52-0133	1.00	KOhm Resistor 1% 1/4	Watt Metal Film	
6	R5,R6,R7,R8,R44,R62	10.0K 1%	52-0107	10.0	KOhm Resistor 1% 1/4	Watt Metal Film	
3	R9,R10,R59	100K 1%	52-0305	100	KOhm Resistor 1% 1/4	Watt Metal Film	
2	R11,R13	7.50K 1%	52-2090	7.50	KOhm Resistor 1% 1/4	Watt Metal Film	
2	R12,R14	75.0K 1%	52-0009	75.0	KOhm Resistor 1% 1/4	Watt Metal Film	
1	R15	13.7K 1%	52-0100	13.7	KOhm Resistor 1% 1/4	Watt Metal Film	
5	R16,R47,R52,R60,R67	50K420279	42-0279	50	K Trim Pot, Horizontal Mount,	Cermet	
1	R17	150K 1%	52-0288	150	KOhm Resistor 1% 1/4	Watt Metal Film	
1	R18	4.99K 1%	52-0165	4.99	KOhm Resistor 1% 1/4	Watt Metal Film	
2	R19,R21	49.9 1%	52-2006	49.9	Ohm Resistor 1% 1/4	Watt Metal Film	
1	R20	374 1%	52-0350	374	Ohm Resistor 1% 1/4	Watt Metal Film	
4	R22,R35,R36,R77	OPTION	00-0000		This part is optional		
6	R24,R25,R26,R27,R34,R71	2.21K 1%	52-2037	2.21	KOhm Resistor 1% 1/4	Watt Metal Film	
2	R28,R29	5.62K 1%	52-0161	5.62	KOhm Resistor 1% 1/4	Watt Metal Film	
1	R30	20.0K 1%	52-0091	20.0	KOhm Resistor 1% 1/4	Watt Metal Film	
2	R31,R32	33	50-0162	33	Ohm Resistor 5% 1/4	Watt Carbon Film	
2	R33,R45	20.0 1%	52-2000	20.0	Ohm Resistor 1% 1/4	Watt Metal Film	
2	R37,R53	20K402106	40-2106	20	K "B" 16mm, Rot Pot,	35mm R Shaft	
1	R38	374K 1%	52-2226	374	KOhm Resistor 1% 1/4	Watt Metal Film	
2	R39,R73	24.9K 1%	52-0039	24.9	KOhm Resistor 1% 1/4	Watt Metal Film	
2	R40,R66	49.9K 1%	52-0020	49.9	KOhm Resistor 1% 1/4	Watt Metal Film	
1	R42	4.64K 1%	52-0118	4.64	KOhm Resistor 1% 1/4	Watt Metal Film	
1	R46	47.5K 1%	52-2167	47.5	KOhm Resistor 1% 1/4	Watt Metal Film	
1	R48	24.3K 1%	52-0086	24.3	KOhm Resistor 1% 1/4	Watt Metal Film	
1	R49	22M	50-0307	22	MOhm Resistor 5% 1/4	Watt Carbon Film	
1	R50	768K 1%	52-4055	768	KOhm Resistor 1% 1/4	Watt Metal Film	
1	R51	1.00M 1%	52-0705	1.00	MOhm Resistor 1% 1/4	Watt Metal Film	
1	R54	232K 1%	52-2214	232	KOhm Resistor 1% 1/4	Watt Metal Film	

Bill Of Materials
Quan Reference

May 22, 1997 11:04:04
 Part SYMAN Description

Quan	Reference	Part	SYMAN	Description
1	R55	750K	50-0271	750 KOhm Resistor 5% 1/4 Watt Carbon Film
1	R56	255K 1%	52-4054	255 KOhm Resistor 1% 1/4 Watt Metal Film
2	R57,R58	12.4K 1%	52-0102	12.4 KOhm Resistor 1% 1/4 Watt Metal Film
1	R61	5.6M	50-2433	5.6 MOhm Resistor 5% 1/4 Watt Carbon Film
1	R63	165K 1%	52-2200	165 KOhm Resistor 1% 1/4 Watt Metal Film
1	R64	20K402103	40-2103	20 K 16mm, Rot Pot X2, 5010R 30mm R ShAft
1	R65	5K420285	42-0285	5 K Trim Pot, Horizontal Mount, Cermet
1	R68	22.1K 1%	52-0089	22.1 KOhm Resistor 1% 1/4 Watt Metal Film
1	R69	6.19K 1%	52-0136	6.19 KOhm Resistor 1% 1/4 Watt Metal Film
1	R70	13.0K 1%	52-0101	13.0 KOhm Resistor 1% 1/4 Watt Metal Film
1	R75	680K	50-0043	680 KOhm Resistor 5% 1/4 Watt Carbon Film
1	R163	620	50-0194	620 Ohm Resistor 5% 1/4 Watt Carbon Film
1	S1	SW440146	44-0146	4PDT Push-Push Switch
1	SC1	SC440157	44-0157	Pbutton, F-type, Tapered, Blk
2	TP1,TP2	TEST2	36-0095	2 Pin Test Point For DBX
1	U1	1252	72-4062	VCA, dbx UPC1252HA2 NEC Ungraded
1	U2	1253	72-4067	RMS Detector,dbx UPC1253HA2 NEC
2	U3,U4	LF351	72-4318	LF351 Wide Bandwidth JFET Input OP-AMP
2	U5,U6	LF353	72-4030	LF353 Wide Bandwidth Dual JFET Input Op-Amp
2	U7,U8	4558D	72-4314	4558 Wide Bandwidth Dual Op-Amp