



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 B	Document Number 056172B4.001
Date: Wednesday, October 20, 1999	Sheet 1 of 1
	Rev B4

Quan	Reference	Part	SYMAN	Description
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	1M50E1	60-0044-01	1.0 uF Cap 50V -20/+20% Elect., T&R C&F
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	HDR321182	32-1182	9 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

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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

DOD Software

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Bill Of Materials

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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	0-R	50-0317	0	Ohm Resistor	5%	1/4	Watt Carbon Film Radial T&R
1	U1	DBXV1A	72-4063		VCA, dbx UPC1252HA2 NEC			GRADE "A"
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	4558	72-4024		4558 Wide Bandwidth Dual			Op-Amp