



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 | 056172B3.001 | B3 |
| 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 | 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 | 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 | |
| 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 ReferenceOctober 13, 1998
Part SYMAN

17:23:37

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 | 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 | 4558D | 72-4314 | 4558 Wide Bandwidth Dual Op-Amp |