



- 15V → 1 J1A HCN323159
- +15V → 2 J1B HCN323159
- 3 J1C HCN323159
- +24V → 4 J1D HCN323159
- 5 J1E HCN323159
- TO LED BOARD

PCB1
80-6172-A
706008
706008

DOD Electronics Corp.		
8760 South Sandy Parkway Sandy, Utah 84070		
Title DBX 903 COMPRESSOR/LIMITER 80-6172		
Size	Document Number	Rev
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Date	Thursday, March 23, 2000	Sheet 2 of 2

Quan	Reference	Part	SYMAN	Description
5	C1,C2,C3,C4,C11	100PK1KD	62-3040	100 pF Capacitor 10% 1KV Ceramic Disc
1	C5	10NPM25E	60-1043	10 uF Capacitor -20%,+20% 25V Electrolytic N.P.
4	C6,C7,C8,C9	.01MD	62-3028	.01 uF Capacitor 20% 50V Ceramic
1	C10	.001K1KD1	62-3051	.001 uF Capacitor 10% 1KV Ceramic Disc Ammo
3	C12,C35,C36	1S63E1		
3	C13,C14,C34	22S63E1	60-0325	22 uF Capacitor -20%,+80% 63V Electrolytic
2	C15,C23	68PK1KD	62-3038	68 pF Capacitor 10% 1KV Ceramic AXL NPO
1	C16	1J50FD	56-5065	1 uF Capacitor M/Plyes Rad 50V 5%
4	C17,C18,C19,C20	10S63E1	60-0320	10 uF Capacitor -20%,+80% 63V Electrolytic
2	C21,C22	1S50E1	60-1024	1 uF Capacitor 50V Alum Rad
9	C24,C25,C26,C27,C28,C29, C30,C31,C33	.1MM2	62-3068	.1 uF Capacitor 20% 50V Ceramic, Z5U
8	D1,D2,D3,D4,D5,D6,D12, D13	1N4148D	70-0042	1N4148 Silicon Switching Diode, 75 Volts PIV DBX
2	D7,D14	LEDR702098	70-2098	Red Light Emitting Diode, DBX
4	D8,D9,D10,D11	1N4004	70-0009	1N4004 Rect 1A 400V, DBX
2	H1,H2	706008		
1	J1	HCN323159	32-3159	5 Pin Top entry connector, .156
1	P1	PA15	-----	15 Pin Pad, Not a part
1	PCB1	80-6172-A	80-6172-A	DBX 903 MAIN PCB RAW
1	Q1	2N3440	70-1038	2N3440 NPN Signal Transis
1	Q2	2N4036	70-1042	2N4036 PNP Signal Transis
3	R1,R2,R43	0 D	50-2452	0 Ohm Resistor 5% 1/4 Watt Carbon Film
6	R3,R4,R41,R72,R74,R76	1.00K 1% D	52-2020	1.00 KOhm Resistor 1% 1/8 Watt Metal Film
6	R5,R6,R7,R8,R44,R62	10.0K 1% D	52-2102	10.0 KOhm Resistor 1% 1/8 Watt Metal Film
3	R9,R10,R59	100K 1% D	52-2183	100 KOhm Resistor 1% 1/8 Watt Metal Film
2	R11,R13	7.32K 1% D		
2	R12,R14	7.50K 1% D	52-2090	7.50 KOhm Resistor 1% 1/8 Watt Metal Film
1	R15	13.7K 1% D	52-2119	13.7 KOhm Resistor 1% 1/8 Watt Metal Film
5	R16,R47,R52,R60,R67	50K420279	42-0279	50 K Trim Pot, Horizontal Mount, Cermet
1	R17	150K 1% D	52-4053	150 KOhm Resistor 1% 1/8 Watt Metal Film
1	R18	4.99K 1% D	52-2073	4.99 KOhm Resistor 1% 1/8 Watt Metal Film
2	R19,R21	49.9 1% D	52-2006	4.99 Ohm Resistor 1% 1/8 Watt Metal Film
1	R20	365 1% D	52-2012	365 Ohm Resistor 1% 1/8 Watt Metal Film
5	R22,R23,R35,R36,R77	OMIT	-----	These parts have been omitted
6	R24,R25,R26,R27,R34,R71	2.21K 1% D	52-2037	2.21 KOhm Resistor 1% 1/8 Watt Metal Film
2	R28,R29	5.62K 1% D	52-	5.62 KOhm Resistor 1% 1/4 Watt Metal Film
1	R30	20.0K 1% D	52-2135	20.0 KOhm Resistor 1% 1/8 Watt Metal Film
2	R31,R32	33 D	50-2309	33 Ohm Resistor 5% 1/4 Watt Carbon Film
2	R33,R45	20 1% D	52-2000	20 KOhm Resistor 1% 1/8 Watt Metal Film
2	R37,R53	20K402106	40-2106	20 K "D" Sngl, 5050B, Rot Pot
1	R38	374K 1% D	52-2226	374 KOhm Resistor 1% 1/8 Watt Metal Film
2	R39,R73	24.9K 1% D	52-2145	24.9 KOhm Resistor 1% 1/8 Watt Metal Film
2	R40,R66	49.9K 1% D	52-2169	49.9 KOhm Resistor 1% 1/8 Watt Metal Film
1	R42	4.64K 1% D	52-2067	4.64 KOhm Resistor 1% 1/8 Watt Metal Film
1	R46	47.5K 1% D	52-2167	47.5 KOhm Resistor 1% 1/8 Watt Metal Film
1	R48	24.3K 1% D	52-2142	24.3 KOhm Resistor 1% 1/8 Watt Metal Film
1	R49	22M D	50-2442	22 MOhm Resistor 5% 1/4 Watt Carbon Film Mini
1	R50	768K 1% D	52-4055	768 KOhm Resistor 1% 1/8 Watt Metal Film
1	R51	1M 1% D	52-2242	1 MOhm Resistor 1% 1/8 Watt Metal Film
1	R54	232K 1% D	52-2214	232 KOhm Resistor 1% 1/8 Watt Metal Film
1	R55	750K D	50-2407	750 KOhm Resistor 5% 1/4 Watt Carbon Film

Bill Of Materials
Quan ReferenceAugust 11, 1994
Part SYMAN12:21:51
Description

Quan	Reference	Part	SYMAN	Description
1	R56	255K 1% D	52-4054	255 KOhm Resistor 1% 1/8 Watt Metal Film
2	R57,R58	12.4K 1% D	52-2113	12.4 KOhm Resistor 1% 1/8 Watt Metal Film
1	R61	5.6M D	50-2433	5.6 MOhm Resistor 5% 1/4 Watt Carbon Film
1	R63	165K 1% D	52-2200	165 KOhm Resistor 1% 1/8 Watt Metal Film
1	R64	20K402103	40-2103	20 K Trim Pot, Dual, 5010R
1	R65	5K420285	42-0285	5 K Trim Pot, Horizontal Mount, Cermet
1	R68	22.1K 1% D	52-2138	22.1 KOhm Resistor 1% 1/8 Watt Metal Film
1	R69	6.19K 1% D	52-2079	6.19 KOhm Resistor 1% 1/8 Watt Metal Film
1	R70	13.0K 1% D	52-2115	13.0 KOhm Resistor 1% 1/8 Watt Metal Film
1	R75	680K D	50-2405	680 KOhm Resistor 5% 1/4 Watt Carbon Film
1	R163	619 1% D	52-	619 Ohm Resistor 1% 1/8 Watt Metal Film
1	S1	SW440146	44-0146	4PDT Push-Push Switch
1	U1	UPC1252	72-4262	UPC1252HA2 VCA
1	U2	UPC1253	72-4261	UPC1253HA2 RMS
2	U3,U4	LF351D	72-4318	LF351 IC, LIN, OPM, DBX
2	U5,U6	LF353D	72-4319	LF353 Wide Bandwidth Dual JFET Input Op-Amp, DBX
2	U7,U8	4558D	72-4314	4558 Wide Bandwidth Dual Op-Amp, DBX