

## Technical Manual

# JBL SRX835

## SPECIFICATIONS



### ACOUSTIC & ELECTRICAL SPECIFICATIONS:

- Maximum SPL Output: 137dB
- Frequency Range (-10dB): 32hz - 20khz
- Frequency Response (- 3dB): 43hz - 20khz
- Nominal Impedance: 8 Ohm
- Crossover Frequency: 330Hz & 2.4kHz

### SYSTEM COMPONENTS:

- Cabinet: Enclosure (Not For Sale)
- Grille: 5054095
- Low Frequency Driver: 2275H x 1, 15 (380mm) inch woofer
- D.C.Resistance: 5.1 ohm +/- 10%
- Mid Frequency Driver: 2107H x 1, 6.5 inch (165mm) Mid
- D.C.Resistance: 4.45 ohm +/- 10%

### SYSTEM COMPONENTS: (CONT'D)

- High Frequency Driver: 2432H, 75mm (3 in) voice coil, neodymium compression driver
- D.C.Resistance: 4.0ohm +/- 0.2 ohm

### AURAL SWEEP TEST SPECIFICATIONS:

- A. System.Aural Sweep Test: 8.0V Input, 40 Hz lto 20 kHz
- B. L.F.Aural Sweep Test: 15.0V Input, 10Hz to 100 Hz
- C. M.F.Aural Sweep Test: 2.5V Input, 50 Hz to 1kHz
- D. H.F.Aural Sweep Test: 3.0V Input, 300 Hz to 1.0 kHz

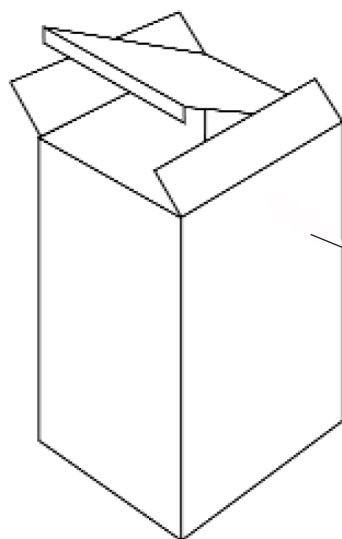
### PHYSICAL SPECIFICATIONS:

- Dimensions (L x W x H): 18.74" x 21.4" x 38.74"  
(476mm x 544mm x 984mm)
- Net Weight: 95.0 lbs (43.09kg)

### WARRANTY INFORMATION:

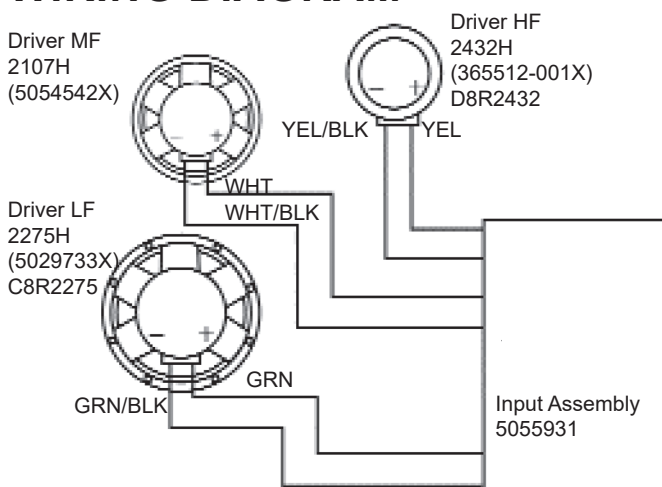
- Refer to Warranty Statement packed with each product.

## PACKAGE



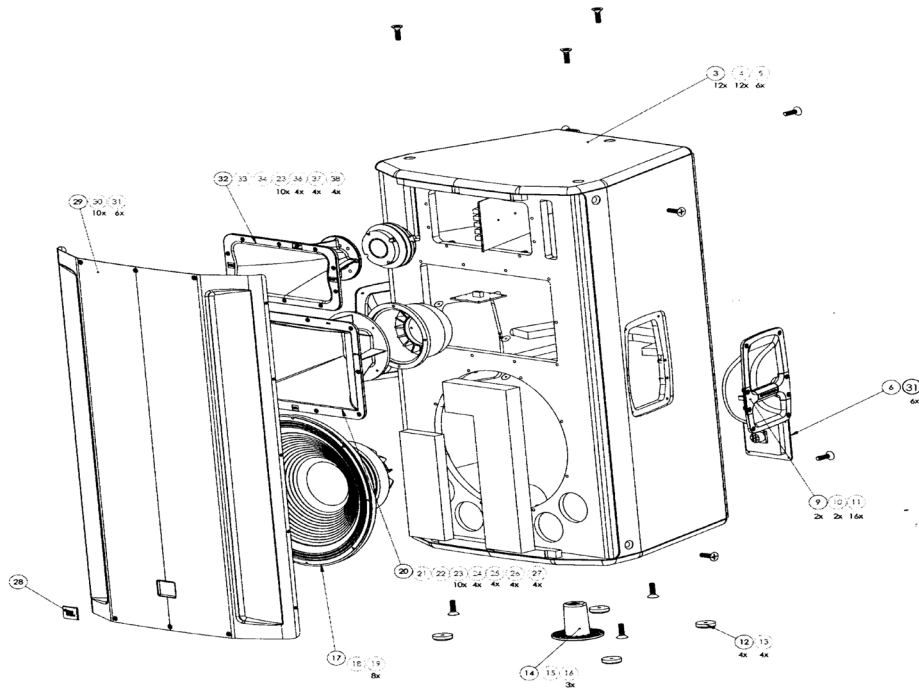
Warranty Card  
59660  
Filler  
5054950 (2)  
PKG, Microfoam (8)  
49790P  
Warranty Card  
59660  
Carton  
5056187

## WIRING DIAGRAM



# JBL SRX835

## COMPONENT EXPLODED VIEW



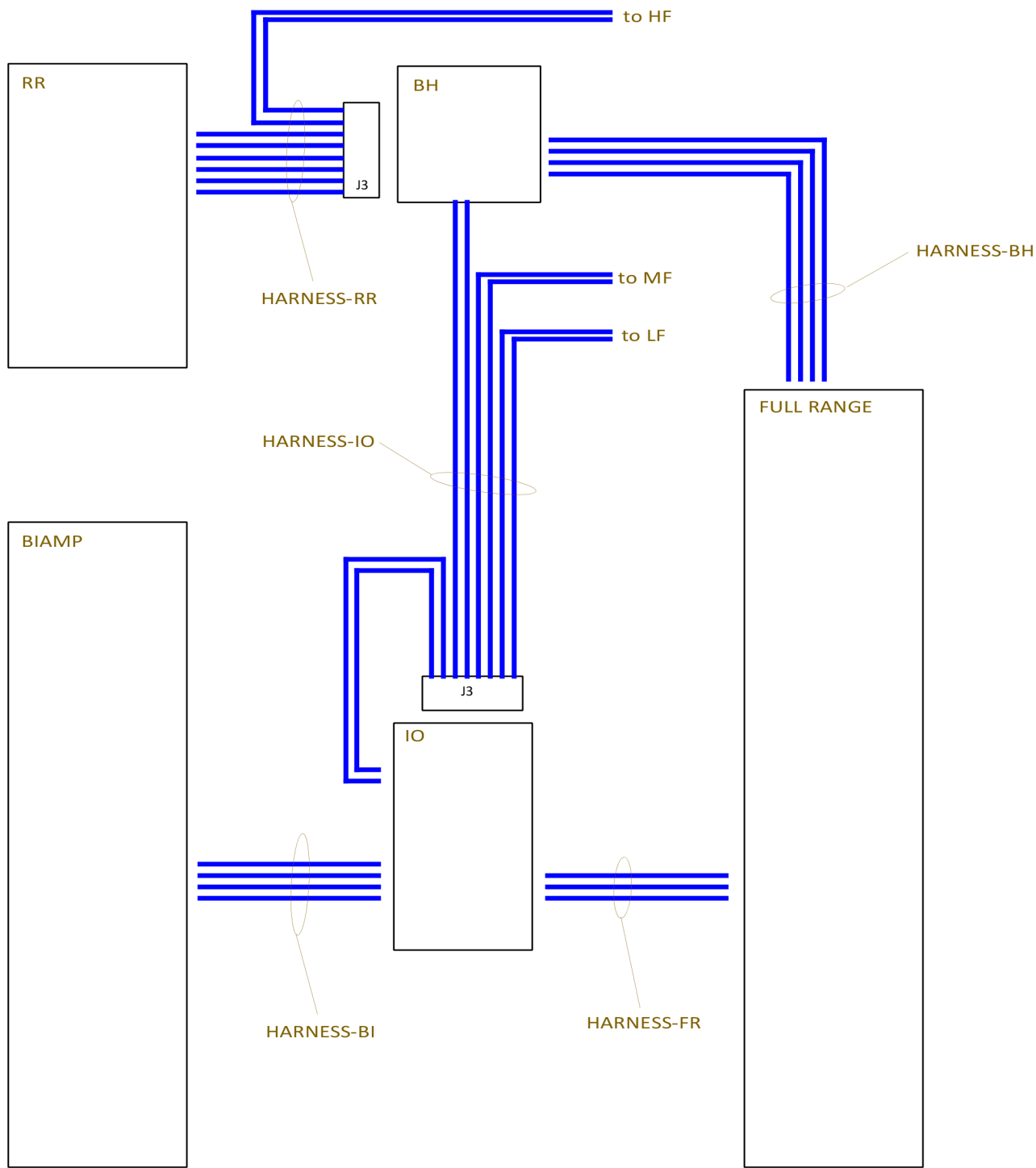
### COMPONENT PARTS LIST:

Item	Part No.	Qty	Description
2	882-41110-10	4	SCR 10X 3/4,PAN, PH, PB, BLK,ZINC
3	818-13714-35	12	SCR,M10X35MM,FLAT,HEX,BLK/ZNC,ALL-
4	884-41110-12	6	SCR,10 X 3/4,PAN,PH,PB,BLK ZINC,LCS
5	381-00023-01	6	MOUNTING SUPPORT, 90 DEG 2X M10
6	5055931	1	INPUT ASSEMBLY, SRX835
8	883-41110-12	6	SCR,8 X 3/4,PAN,PH,PB,BLK ZINC,LCS
9	5048154	2	HANDLE CUP ASSY SRX800P
10	5048939	2	GASKET HANDLE
11	446376-001	16	SCREW, #8-32, HANDLE
12	353445-001	4	FOOT
13	804-41100-14	4	SCR,10-32 X 7/8,PAN,PH,CLR ZINC,LCS
14	443406-001	1	POLE CUP WITH RIDGES
15	364808-001	1	GASKET, POLE CUP
16	806-11010-20	3	SCR,1/4-20 X 1 1/4,FLT,PH,UNC,BLK ZNC,L
17	5029733X	1	M/I, 2275H
18	360-70002-01	1	GASKET, REAR 15"
19	804-01110-16	8	SCR,10-32 X 1,FIL,PH,BLK
20	5047486	1	60 x 40 Mid Horn
21	5050369	1	DRIVER HORN GASKET
22	5054542X	1	M/I, 2107H
23	804-41110-16	20	SCR,10-32X1,PAN,PH,BLK
24	833-30110-00	4	NUT,10-32,KEPS,BLK ZINC,LCS,RIGHT
25	843-00110-06	4	WSHR,#10X.06,FLT PL,BLK
26	804-41110-12	4	SCR,10-32 X 3/4,PAN,PH,BLK ZINC,LCS
27	363396-002	2	GASKET, M.R. WAVEGUIDE
28	5040033	1	LOGO SRX800
29	5054095	1	Grille Assy SRX835

Item	Part No.	Qty	Description
30	882-51110-12	10	SCR, 6 X 3/4,OV,PH,PTCL,BLK ZC,LCS
31	882-41110-12	6	SCR,6X3/4",PAN,PH,PB,BLK
32	351577-001	1	GASKET, 6.5 X 12 WAVEGUIDE AE
33	5047165	1	HORN, 60 X 40 SRX800 SERIES
34	365512-001X	1	M/I, 2432H
36	75815	4	STUD,1/4-20 X 1.5"LG
37	834-30010-00	4	NUT,1/4-20,KEPS,BLK ZINC,LCS,RIGHT
38	844-00110-00	4	WASHER, 1/4,,REG,BLK ZINC,LCS
48	61860	16	T-NUT 8-32X11/32
50	61861	28	T-NUT,10-32
39	NOT FOR SALE	1	TOP PANEL SRX835
40	NOT FOR SALE	1	Rear Panel, SRX835
41	NOT FOR SALE	1	Right Wrap Panel, SRX835
42	NOT FOR SALE	1	Bottom Panel, SRX835
43	NOT FOR SALE	4	PORT, SRX835
44	NOT FOR SALE	1	BULKHEAD SRX835
45	NOT FOR SALE	2	GRILLE SUPPORT SRX835P
46	NOT FOR SALE	1	Baffle, SRX835
47	NOT FOR SALE	1	Left Wrap, SRX835
51	804-90003-00	3	T-NUT, 1/4-20 X 5/16, 4 PRONG, CLR ZINC
52	NOT FOR SALE	7	FBRGL,1"X72",600SF/ROLL
53	NOT FOR SALE	0	TOPCOAT, BLACK CHEMTHANE 1400
54	NOT FOR SALE	0	ADHESIVE,URETHANE
55	NOT FOR SALE	0	ADH,JOWAT,110/60,BRN
61	NOT FOR SALE	0	BASECOAT, BLACK CHEMTHANE 7030
62	NOT FOR SALE	30	CHIP, FBRBRD .015-.03THICK
63	NOT FOR SALE	30	STAPLE 1/2 X 9/16
64	NOT FOR SALE	1	Divider, SRX835

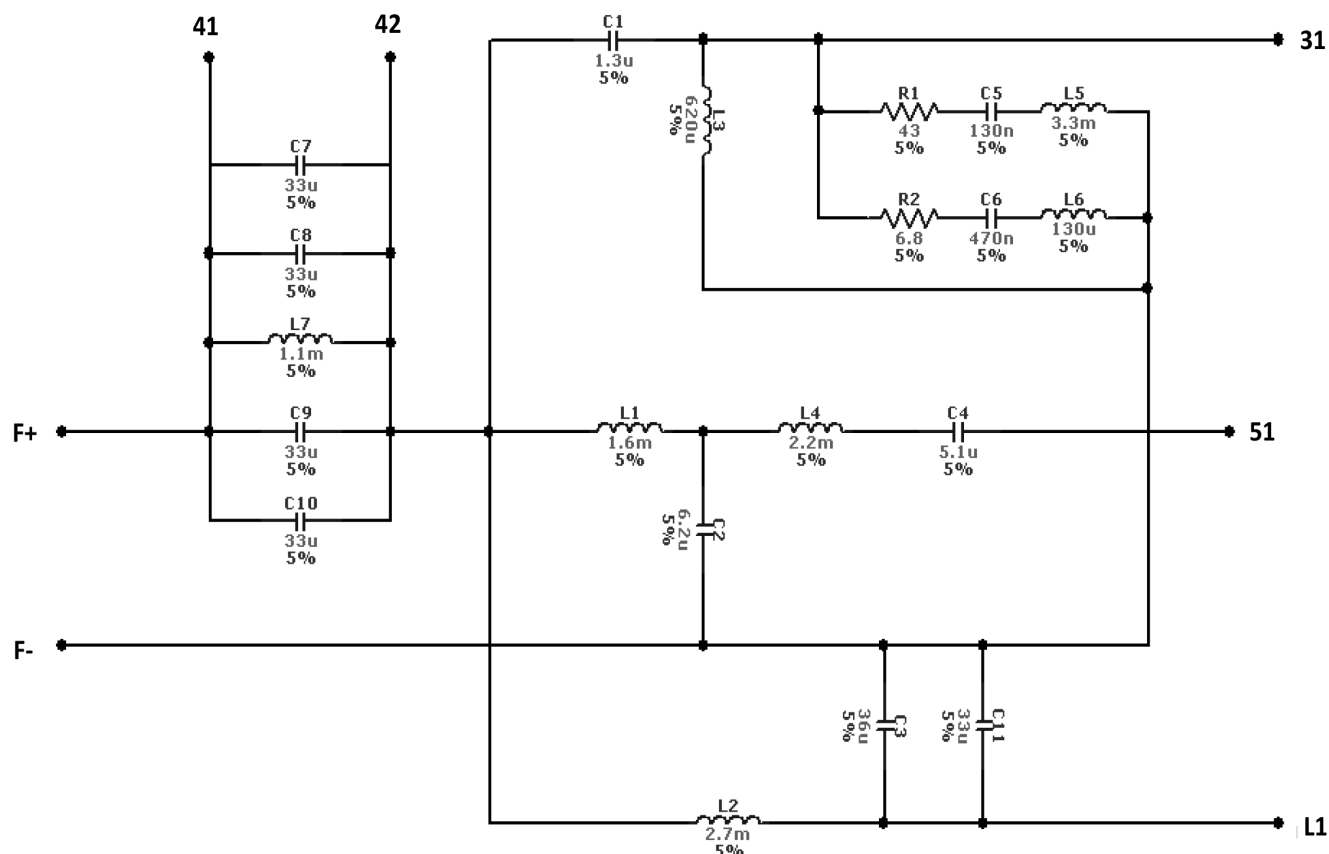
# JBL SRX835

## NETWORK ASSEMBLY:



# JBL SRX835

## SCHEMATIC PCB FULL RANGE:

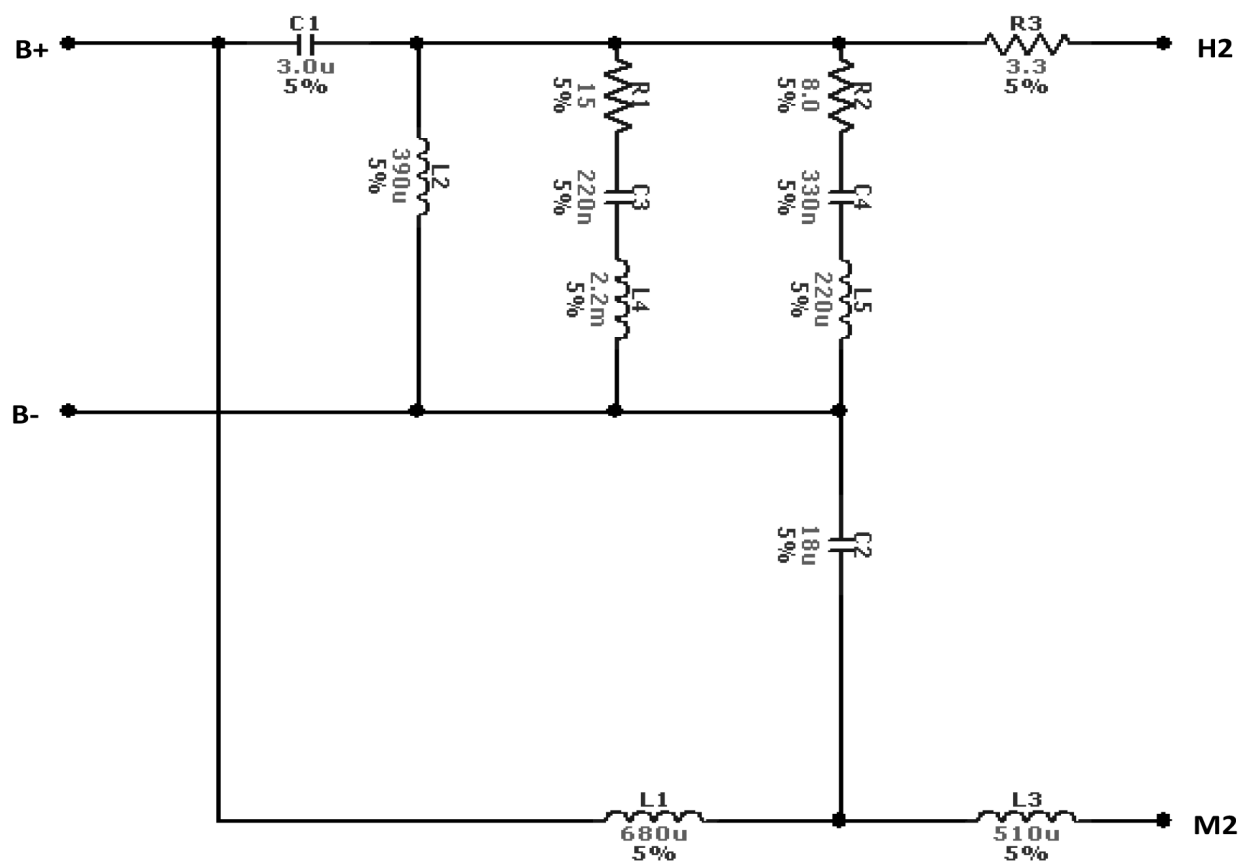


### ELECTRONIC PARTS NOT FOR SALE!

PCB Component List				Qty
C1	1.3 uF	250V, metalized polypropylene film, axial		1
C2	6.2 uF	250V, metalized polypropylene film, axial		1
C3	33.0 uF	250V, metalized polypropylene film, axial		1
C4	5.1 uF	250V, metalized polypropylene film, axial		1
C5	130.0 nF	250V, metalized polypropylene film, axial		1
C6	470.0 nF	250V, metalized polypropylene film, axial		1
C7	33.0 uF	250V, metalized polypropylene film, axial		1
C8	33.0 uF	250V, metalized polypropylene film, axial		1
C9	33.0 uF	250V, metalized polypropylene film, axial		1
C10	33.0 uF	250V, metalized polypropylene film, axial		1
C11	33.0 uF	250V, metalized polypropylene film, axial		1
L1	1.6 mH	14ga, high temp, laminated steel core		1
L2	2.7 mH	14ga, high temp, laminated steel core		1
L3	620.0 uH	16ga, high temp, laminated steel core		1
L4	2.2 mH	14ga, high temp, laminated steel core		1
L5	3.3 mH	14ga, high temp, laminated steel core		1
L6	130.0 uH	18ga, high temp, laminated steel core		1
L7	1.1 mH	14ga, high temp, laminated steel core		1
R1	43 $\Omega$	25w, SQZ type, ceramic, metal stand-offs		1
R2	6.8 $\Omega$	25w, SQZ type, ceramic, metal stand-offs		1

# JBL SRX835

## SCHEMATIC PC BOARD BI-AMP:

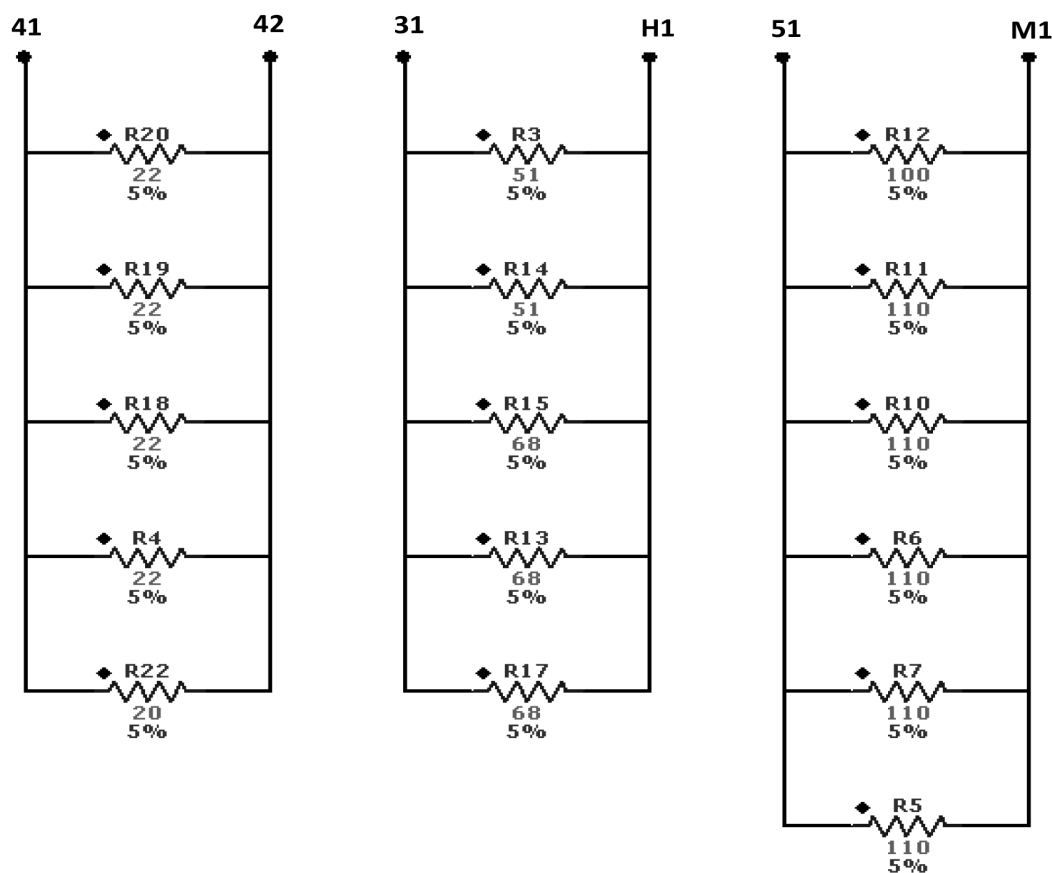


ELECTONIC PARTS NOT FOR SALE!

PCB Component List			Qty
C1	3.0 uF	250V, metalized polypropylene film, axial	1
C2	18 uF	250V, metalized polypropylene film, axial	1
C3	220 nF	250V, metalized polypropylene film, axial	1
C4	330 nF	250V, metalized polypropylene film, axial	1
L1	680 uH	16ga, high temp, laminated steel core	1
L2	390 uH	16ga, high temp, laminated steel core	1
L3	510 uH	16ga, high temp, laminated steel core	1
L4	2.2 mH	14ga, high temp, laminated steel core	1
L5	220 uH	16ga, high temp, laminated steel core	1
R1	15 $\Omega$	10w, SQP type, ceramic, axial	1
R2	8.0 $\Omega$	10w, SQP type, ceramic, axial	1
R3	3.3 $\Omega$	25w, SQZ type, ceramic, metal stand-offs	1

# JBL SRX835

## SCHEMATIC PC BOARD RR:



**ELECTONIC PARTS NOT FOR SALE!**

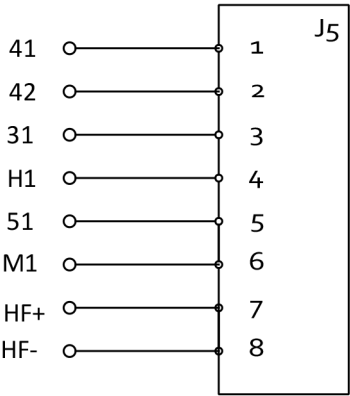
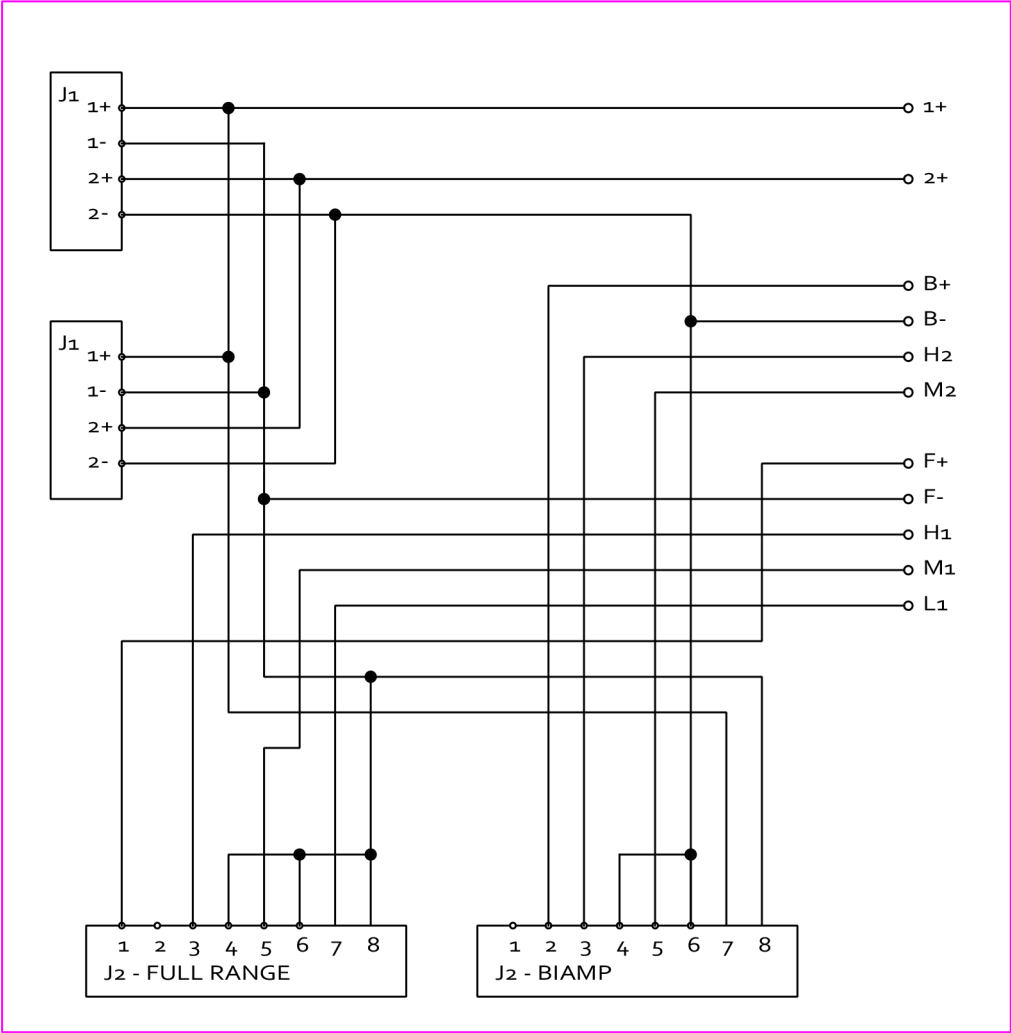
### COMPONENT PARTS LIST:

PCB Component List				Qty
R3	51 $\Omega$	25w, SQZ type, ceramic, metal stand-offs		1
R4	22 $\Omega$	25w, SQZ type, ceramic, metal stand-offs		1
R5	110 $\Omega$	25w, SQZ type, ceramic, metal stand-offs		1
R6	110 $\Omega$	25w, SQZ type, ceramic, metal stand-offs		1
R7	110 $\Omega$	25w, SQZ type, ceramic, metal stand-offs		1
R10	110 $\Omega$	25w, SQZ type, ceramic, metal stand-offs		1
R11	110 $\Omega$	25w, SQZ type, ceramic, metal stand-offs		1
R12	100 $\Omega$	25w, SQZ type, ceramic, metal stand-offs		1
R13	68 $\Omega$	25w, SQZ type, ceramic, metal stand-offs		1
R14	51 $\Omega$	25w, SQZ type, ceramic, metal stand-offs		1
R15	68 $\Omega$	25w, SQZ type, ceramic, metal stand-offs		1
R17	68 $\Omega$	25w, SQZ type, ceramic, metal stand-offs		1
R18	22 $\Omega$	25w, SQZ type, ceramic, metal stand-offs		1
R19	22 $\Omega$	25w, SQZ type, ceramic, metal stand-offs		1
R20	22 $\Omega$	25w, SQZ type, ceramic, metal stand-offs		1
R22	20 $\Omega$	25w, SQZ type, ceramic, metal stand-offs		1

# JBL SRX835

## SCHEMATIC PCB-IO

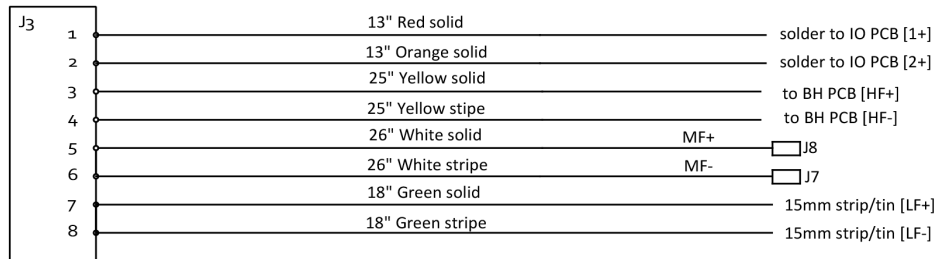
### PCB- IO



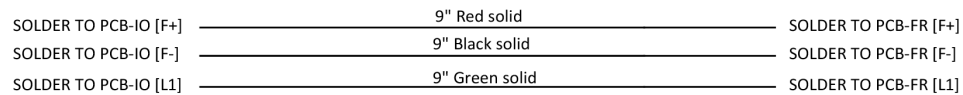
# JBL SRX835

## WIRE HARNESSSES:

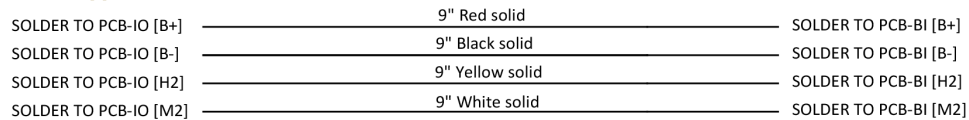
### HARNESS - IO



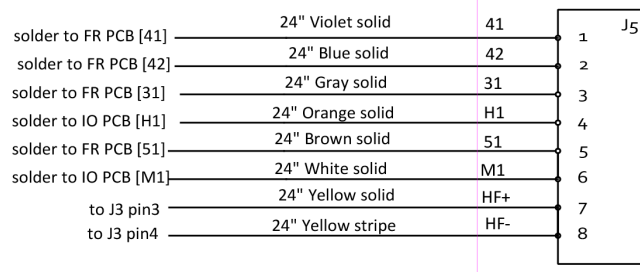
### HARNESS - FR



### HARNESS - BI



### HARNESS - BH



### HARNESS - RR

