

## Forsell Opto Comp/Limiter Parts List For Fopto-2 PCB

### Discrete Output Driver

U2	Forsell 990-2
U3	OPA2604
R6	100K
R7	10K
R8	49.9R
R9	1M
R10	30.1K
R11	1K
R12	49.9K
R13	1M
C2	33pF
C3	.68uF/16V

### Bendo Output Driver

U1	NE5534
Q3	2N5457
C34	47uF/35V
C35	0.1uF
C36	10uF/35V
C37	1000uF/10V Axial
C38	33pF
C39	100uF/35V
C40	22pF
R33	10K
R34	1M
R35	10K
R36	470R
R37	4.7K
R38	2.2K
R39	100R
R40	100K
R41	3.3K
R42	10K
RV1	10K_A
TR1 (Not on PCB)	1:1 600/600

*BC Comp #2222 118 14102 125° or BC Comp #2222 021 34102 85°*

### Discrete Input Buffer

U7	Forsell 990-2
C27	22uF/35V
C28	22uF/35V
C29	0.1uF
C30	0.1uF
C31	10pF
R29	10K
R30	10K
R31	10K
R32	10K

### Input Buffer Option 2

U7	NE5534
C27	22uF/35V
C28	22uF/35V
C29	0.1uF
C30	0.1uF
C31	33pF
C32	22pF
C33	33pF
R29	22K
R30	22K
R31	22K
R32	22K

**LED Array Metering**

U4 LM3916  
 C18 220uF/35V  
 R18 3.81K  
 R19 110R  
 VR1 2K Trimmer

**Stereo Link**

U9 OPA2604  
 R45 1K  
 Switch DPDT

**PSU**

Q1 LM317  
 Q2 LM337  
 D5 1N4004  
 D6 1N4004  
 D7 1N4004  
 D8 1N4004  
 C14 470uF-1000Uf/50V  
 C15 470uF-1000Uf/50V  
 C16 12uF/35V  
 C17 12uF/35V  
 C7 33uF/35V  
 C8 33uF/35V  
 C41 33uF/35V  
 C42 33uF/35V  
 C43 33uF/35V  
 R14 301R  
 R15 6.19K  
 R16 6.19K  
 R17 301R  
 Heatsinks Digikey # 273-AB

**Sidechain**

R43 4.99K Typ  
 R44 1K Typ  
 R22 604R  
 R23 10K  
 R24 1K  
 R25 1K  
 R26 49.9K  
 R27 2M  
 R28 *Select For Max Slope*  
 C26 .33uF/16V  
 C23 120pF  
 C24 10uF/25V  
 C25 .33uF/16V  
 C19 0.1uF  
 C20 0.1uF  
 C21 0.1uF  
 C22 0.1uF  
 D9 1N4148  
 D10 1N4148

**Off Board PSU**

1 x 48V ct Transformer  
 1 x Bridge Rectifier  
 2 x 2200uF-4700uF/50V  
 2 x 0.1uF/100V  
  
*Will Depend On What You Can Fit*

Threshold 100K Log  
 Release 500K Lin  
 Attack 500K Lin  
 Ratio 5K Rev Log  
 VR2 500R Trimmer  
 U5 OPA2604  
 U6 OPA2604  
 PR1 VTL5C1  
 PR2 VTL5C1  
 Bypass DPDT