

DX Blame ST parts list (for one channel)

Rev. 1.5c © 2009/2010 Carlos Mergulhão

Transistors:		
Device #	Value	Notes
Q1,Q2,Q3	BC556	Pinout=cbe
Q4,Q5,Q6	BC546	Pinout=cbe
Q7,Q8,Q9	BD139	
Q10	BD140	
Q11	2SC5200	or FJL4315, or 2SC2922
Q12	2SA1943	or FJL4215, or 2SA1216

Capacitors:				
Device #	Value	Lead Spc	Type	Notes + Digi-Key part #
C1	10uF	15mm	film	DK: 495-4092-ND , or use 2 back-to-back electrolytics
C2,C4,C5,C6,C9,C26	100nF	5 or 10mm	film	DK: polyester 495-2481-3-ND or polypropylene 495-1375-ND
C3	220pF	5mm	mica, polystyrene	or polyprop. or NPO or COG ceramic
C7	220uF/16v	3.5,2.5mm	Electrolytic	
C8	47uF/25v	2,2.5,3.5mm	Electrolytic	
C10	47uF/100v	5mm	Electrolytic	
C12	100F/16v	3.5,2.5mm	Electrolytic	
C13,C24	100pF	5mm	mica, polystyrene	or polyprop. or NPO or COG ceramic
C14,C16,C20,C22	470uF/50v	5mm	Electrolytic	
C15,C17,C19,C21,C23	47nF	5mm	film	aka: .047uF, polyprop. or polyester
C18	2.2uF	5 or 10mm	film	Polyester, DK: 495-1127-ND

Resistors: (all are standard .25W metal film, except where noted)			
Device #	Value	Power	Notes
R1,R16,	220R		
R2	10K		
R3	10R	0.5W	
R4,	150R		
R5,R6	100R		
R7	470R		
R8,R9	68R		
R10	3K		
R11,R12	8K2		
R13	12K		
R14	3K3		
R15	2K7		
R17,R18,R21,R22	33R		
R19	2K		
R20	470R		
R23,R25	2R2		
R26,R27	0R22	5W	Mills non-inductive. Digi-Key: MRA05-22-ND (4x14 mm approx.)
R28	15R	5W	(no Mills avail.) Huntington ALSR. Digi-Key: ALSR5F-15-ND (4x14 mm)
R29	10R	5W	Mills non-inductive. Digi-Key: MRA05-10-ND (4x14 mm approx.)
R30,31	100R	1W	Optional. Mount on underside of board. Used for adjustm., not audio.
R32	10R		

Miscellaneous:			
Device #	Value	Notes	
D1,D2	1n4148		
D3,D4,D5	1n4001		
Bias Trimmer	500R	Bourns 3362P single turn or eqv. Digi-Key: 3362P-501LF-ND	
Power, output, ground connectors	4x	Faston .25" male. Digi-Key: A29938CT-ND	
Fuse holders (5x20 mm fuses)	4x	Digi-Key: F063-ND or eqv., need 2 per fuse	
Heatsinks for driver transistors	2x	Digi-Key: HS106-ND or eqv.,	