Parts List—Preamp Board

Resistors

R1,R2 47 kΩ

R3,R4 MC Load Value dependant on cartridge

R5,R6 16.2 Ω

R7,R8,R19,R22 150 Ω All resistor 1/4 W, 1% metal

R9,R10 3.32 kΩ Film unless otherwise specified

R11,R12 26.1 kΩ

R13,R14 909 Ω

R15,R16 3.83 kΩ

R17,R18,R45,R46,R47,R57 100 Ω

R21,R22 4.7 kΩ

R23,R24,R25,R26 47 kΩ

R27,R28,R29,R30,R39,R40,

R41,R42,R48,R49,R51,

R27a, R28a 10 kΩ

R50,R52 20 kΩ

R31,R33,R35,R27,R43 22 kΩ

R32,R34,R36,R38,R53,R54,

R55,R56 11 kΩ

Capacitors

C1,C2 MM Load Value dependant on cartridge

C3,C4 500 pF, 5% Digi-Key # 338-1069

C5,C6 4.7 nF, 5% Digi-Key # P15431

CC7,C8 22 nF, 5% Digi-Key # BC1628

C9,C10 33 nF, 5% Digi-Key # 495-1307

C11,C12 47 nF, 5% Digi-Key # 495-1290

C13,C14,C23,C26,C19,C27,

C33,C34,C41,C47,C49,C51,

C53,C55,C57,C59 0.01 µF Digi-Key # 495-2816

C15,C16,C35,C36C42,C48,

C50,C52,C54,C56,C56,C58,

C60 47 µF at 50 V Digi-Key # P12926

C17,C18 0.47 µF Digi-Key # 399-5454-1

C20,C29 10 µF at 35 V DIGIKEY #

C21,C30 0.39 µF Digi-Key # P4670

C22,C31 4.7 µF Digi-Key # 495-4186

C24,C24,C28,C32 0.22 µF Digi-Key # 3009PH

C37,C38,C39,C40,C43,C44,

C45,C50,C61,C62,C63,C64,

C65,C66 130 nF Digi-Key # P12098

ICs and Relays

U1,U4,U5 LME49740 Quad audio op-amp

U2 LM1036 Tone/Volume/Balance Circuit

U3,U6 LME49720 Dual audio op-amp

U7 LME49710 Mono audio op-amp

K1,K2 2PDT 24 V Relay GSV-2-DC24