

Soma 8+2 Acquisition Eric Jonas <jonas@mwml.mit.edu> rev: 1.0 run: Etech-web-20060504	
AD8221AR	Analog Devices
SOIC AR	
Precision Instrumentation Amplifier with High CMRR Over	
Designators: U12.(1-8), C33, C32	

Soma 8+2 Acquisition Eric Jonas <jonas@mwml.mit.edu> rev: 1.0 run: Etech-web-20060504	
HFBR-2528	Avago Technologies
1mm Plastic Optical Fiber 10 Mbd receiver	
Designators: O3	

Soma 8+2 Acquisition Eric Jonas <jonas@mwml.mit.edu> rev: 1.0 run: Etech-web-20060504	
25LC320/SN	Microchip, Inc
SOIC	
32k SPI Bus Serial EEPROM 2MHz max	
Designators: U5	

Soma 8+2 Acquisition Eric Jonas <jonas@mwml.mit.edu> rev: 1.0 run: Etech-web-20060504	
AD8510ARM	Analog Devices
MSOP-8	
Precision Low Noise Single JFET Operational Amplifier	
Designators: U24, U25, U7.(1-10), U29	

Soma 8+2 Acquisition Eric Jonas <jonas@mwml.mit.edu> rev: 1.0 run: Etech-web-20060504	
IL715-3	NVE Corporation
SOIC	
Galvanic Isolator	
Designators: U14	

Soma 8+2 Acquisition Eric Jonas <jonas@mwml.mit.edu> rev: 1.0 run: Etech-web-20060504	
XC3S50-VQ100C	Xilinx
VQ100	
Xilinx Spartan-3 FPGA	
Designators: U4	

Soma 8+2 Acquisition Eric Jonas <jonas@mwml.mit.edu> rev: 1.0 run: Etech-web-20060504	
SN75451BDR	Texas Instruments
SOIC	
Designators: U3	

Soma 8+2 Acquisition Eric Jonas <jonas@mwml.mit.edu> rev: 1.0 run: Etech-web-20060504	
SG-636PCE 36.000MHz	Epoc Microelectronics America Inc
OSCILLATOR 36.0000MHZ SMD	
Designators: O2	

Soma 8+2 Acquisition Eric Jonas <jonas@mwml.mit.edu> rev: 1.0 run: Etech-web-20060504	
ADG619BRM	Analog Devices
MSOP-8	
CMOS +/-5 V/5 V 7 ohm Single SPDT Switches	
Designators: U9.(1-10)	

Soma 8+2 Acquisition Eric Jonas <jonas@mwml.mit.edu> rev: 1.0 run: Etech-web-20060504	
IL716-3	NVE Corporation
SOIC	
Galvanic Isolator	
Designators: U15	

Soma 8+2 Acquisition Eric Jonas <jonas@mwml.mit.edu> rev: 1.0 run: Etech-web-20060504	
HFBR-1528	Avago Technologies
Plastic Optical Fiber Transmitter	
Designators: O1	

Soma 8+2 Acquisition Eric Jonas <jonas@mwml.mit.edu> rev: 1.0 run: Etech-web-20060504	
SSF-LXH2100ID	Lumex
Dual-LED	
DUAL LED SMM RA 2-WIDE RED PC MNT	
Designators: L1	

Soma 8+2 Acquisition Eric Jonas <jonas@mwml.mit.edu> rev: 1.0 run: Etech-web-20060504	
XCF01SV020C	Xilinx
VO20	
Xilinx PlatformFlash 1 MBit	
Designators: U6	

Soma 8+2 Acquisition Eric Jonas <jonas@mwml.mit.edu> rev: 1.0 run: Etech-web-20060504	
LTC6910-1	Linear Technology
SOT23-8	
Digital PGA, g=0, 1, 2, 5, 10, 20, 50, 100	
Designators: U8.(1-10)	

Soma 8+2 Acquisition Eric Jonas <jonas@mwml.mit.edu> rev: 1.0 run: Etech-web-20060504	
AD8605ART	Analog Devices
SOT-23	
Precision Low Noise CMOS Single Rail-to-Rail Input/Output	
Designators: U13, U1.(1-10)	

Soma 8+2 Acquisition Eric Jonas <jonas@mwml.mit.edu> rev: 1.0 run: Etech-web-20060504	
103311-5 Header 10x2h Right-angle 20-pin shrouded header	Steward
Designators: JP2	

Soma 8+2 Acquisition Eric Jonas <jonas@mwml.mit.edu> rev: 1.0 run: Etech-web-20060504	
CD74HC595SM96 SSOP 8-bit serial-load paralle-out shift register	Texas Instruments
Designators: U19, U18, U20, U21, U17, U16	

Soma 8+2 Acquisition Eric Jonas <jonas@mwml.mit.edu> rev: 1.0 run: Etech-web-20060504	
GRM1885C1H391JA01D 0603 390pF 5% Ceramic Capacitor 50V C0G	muRata
Designators: C36.(1-10)	

Soma 8+2 Acquisition Eric Jonas <jonas@mwml.mit.edu> rev: 1.0 run: Etech-web-20060504	
GRM1885C1H132JA01D 0603 1300pF 5% Ceramic Capacitor 50V C0G	muRata
Designators: C38.(1-10)	

Soma 8+2 Acquisition Eric Jonas <jonas@mwml.mit.edu> rev: 1.0 run: Etech-web-20060504	
GRM1885C1H242JA01D 0603 2400pF 5% Ceramic Capacitor 50V C0G	muRata
Designators: C42.(1-10)	

Soma 8+2 Acquisition Eric Jonas <jonas@mwml.mit.edu> rev: 1.0 run: Etech-web-20060504	
28F0121-1SR 3312 100 Ohm Ferrite 10A 100 Ohm	Steward
Designators: L2, L3	

Soma 8+2 Acquisition Eric Jonas <jonas@mwml.mit.edu> rev: 1.0 run: Etech-web-20060504	
GRM1885C1H151JA01D 0603 150pF 5% Ceramic Capacitor 50V C0G	muRata
Designators: C40.(1-10)	

Soma 8+2 Acquisition Eric Jonas <jonas@mwml.mit.edu> rev: 1.0 run: Etech-web-20060504	
GRM1885C1H431JA01D 0603 430pF 5% Ceramic Capacitor 50V C0G	muRata
Designators: C35.(1-10)	

Soma 8+2 Acquisition Eric Jonas <jonas@mwml.mit.edu> rev: 1.0 run: Etech-web-20060504	
GRM1885C1H152JA01D 0603 1500pF 5% Ceramic Capacitor 50V C0G	muRata
Designators: C41.(1-10)	

Soma 8+2 Acquisition Eric Jonas <jonas@mwml.mit.edu> rev: 1.0 run: Etech-web-20060504	
RC0603FR-077K5L 0603 7.50k 1% Resistor 1/10W	Yaego America
Designators: R16.(1-10), R14.(1-10), R15.(1-10), R18.(1-10), R24.(1-10), R22.(1-10), R21.(1-10), R20.(1-10)	

Soma 8+2 Acquisition Eric Jonas <jonas@mwml.mit.edu> rev: 1.0 run: Etech-web-20060504	
LM4140CCM-4.1 SOIC Low-noise voltage reference, 4.096V	National Semiconductor
Designators: U28	

Soma 8+2 Acquisition Eric Jonas <jonas@mwml.mit.edu> rev: 1.0 run: Etech-web-20060504	
GRM1885C1H271JA01D 0603 270pF 5% Ceramic Capacitor 50V C0G	muRata
Designators: C39.(1-10)	

Soma 8+2 Acquisition Eric Jonas <jonas@mwml.mit.edu> rev: 1.0 run: Etech-web-20060504	
GRM1885C1H122JA01D 0603 1200pF 5% Ceramic Capacitor 50V C0G	muRata
Designators: C37.(1-10)	

Soma 8+2 Acquisition Eric Jonas <jonas@mwml.mit.edu> rev: 1.0 run: Etech-web-20060504	
GRM1885C1H222JA01D 0603 2200pF 5% Ceramic Capacitor 50V C0G	muRata
Designators: C4.(1-10)	

Soma 8+2 Acquisition Eric Jonas <jonas@mwml.mit.edu> rev: 1.0 run: Etech-web-20060504	
RC0603FR-0711KL 0603 11.0k 1% Resistor 1/10W	Yaego America
Designators: R27, R17.(1-10), R25.(1-10), R48, R19.(1-10)	

Soma 8+2 Acquisition Eric Jonas <jonas@mit.edu> rev: 1.0 run: Etech-web-20060504	
RC0603FR-0712KL	Yaego America
0603 12.0k 1%	
Resistor 1/10W	
Designators: R23.(1-10)	

Soma 8+2 Acquisition Eric Jonas <jonas@mw.mit.edu> rev: 1.0 run: Etech-web-20060504	
RR0816P-103-B-T5	Susumu Co Ltd
0603 10.0k 0.1%	
Resistor 1/16W	
Designators: R29	

Soma 8+2 Acquisition Eric Jonas <jonas@mw.mit.edu> rev: 1.0 run: Etech-web-20060504	
TPS77525D	Texas Instruments
SOIC	
2.5V 500 mA LDO	
Designators: U23	

Soma 8+2 Acquisition Eric Jonas <jonas@mw.mit.edu> rev: 1.0 run: Etech-web-20060504	
ECE-V1EA101P	Panasonic - ECG
E 100uF 20%	
Panasonic Capacitor	
Designators: C70, C69, C61	

Soma 8+2 Acquisition Eric Jonas <jonas@mw.mit.edu> rev: 1.0 run: Etech-web-20060504	
39-30-3045	Molex
4-pin right-angle header 4.2mm	
Designators: POWER-D1, POWER-A1	

Soma 8+2 Acquisition Eric Jonas <jonas@mw.mit.edu> rev: 1.0 run: Etech-web-20060504	
RC0603FR-075K6L	Yaego America
0603 5.60k 1%	
Resistor 1/10W	
Designators: R13.(1-10)	

Soma 8+2 Acquisition Eric Jonas <jonas@mw.mit.edu> rev: 1.0 run: Etech-web-20060504	
RR0816P-303-B-T5	Susumu Co Ltd
0603 30.0k 0.1%	
Resistor 1/16W	
Designators: R28	

Soma 8+2 Acquisition Eric Jonas <jonas@mw.mit.edu> rev: 1.0 run: Etech-web-20060504	
TPS70245PWP	Texas Instruments
TSSOP	
Dual-output 3.3/1.2V LDO	
Designators: U22	

Soma 8+2 Acquisition Eric Jonas <jonas@mw.mit.edu> rev: 1.0 run: Etech-web-20060504	
RC0603FR-07100KL	Yaego America
0603 100k 1%	
Resistor 1/10W	
Designators: R50.(1-8), R49.(1-8)	

Soma 8+2 Acquisition Eric Jonas <jonas@mw.mit.edu> rev: 1.0 run: Etech-web-20060504	
RC0603FR-0747RL	Yaego America
0603 47.0 1%	
Resistor 1/10W	
Designators: R5, R6, R1, R41, R40, R42	

Soma 8+2 Acquisition Eric Jonas <jonas@mw.mit.edu> rev: 1.0 run: Etech-web-20060504	
RR0816P-4990-B-T5-68A	Susumu Co Ltd
0603 499 0.1%	
Resistor 1/16W	
Designators: R26.(1-8)	

Soma 8+2 Acquisition Eric Jonas <jonas@mw.mit.edu> rev: 1.0 run: Etech-web-20060504	
C0603C103K5RACTU	Kemet
0603 0.1uF	
Chip Capacitor X7R	
Designators: C57, C44.(1-8), C55, C53, C52, C51, C50, C71.(1-10), C72.(1-10), C75, C74, C59, C58, C19, C18, C13, C12, C10, C31.(1-10), C16, C15, C14, C47, C17, C43.(1-8), C9, C8, C3.(1-10), C1.(1-10), C32.(1-10), C6, C5.(1-10), C22, C23, C20, C21, C26, C27, C24, C25, C66, C28.(1-10), C29.(1-10), C49, C77, C56, C76	

Soma 8+2 Acquisition Eric Jonas <jonas@mw.mit.edu> rev: 1.0 run: Etech-web-20060504	
MCR03EZPJ000	Rohm
0603 0 5%	
Resistor zero-ohm	
Designators: R45, R44, R47, R46, R39, R43, R34, R35, R36, R37, R31, R32, R33	

Soma 8+2 Acquisition Eric Jonas <jonas@mw.mit.edu> rev: 1.0 run: Etech-web-20060504	
ECJ-1VF1E105Z	Panasonic - ECG
0603 1uF +20/-80%	
Capacitor 25V Y5V	
Designators: C60	

Soma 8+2 Acquisition Eric Jonas <jonas@mw.mit.edu> rev: 1.0 run: Etech-web-20060504	
RC0603FR-07100RL	Yaego America
0603 100 1%	
Resistor 1/10W	
Designators: R3, R12, R10, R11	

Soma 8+2 Acquisition Eric Jonas <jonas@mwml.mit.edu> rev: 1.0 run: Etech-web-20060504	
RC0603FR-072KL 0603 2.00k 1% Resistor 1/10W	Yaego America
Designators: R7, R8, R9, R2	

Soma 8+2 Acquisition Eric Jonas <jonas@mwml.mit.edu> rev: 1.0 run: Etech-web-20060504	
C0805C106K9PACTU 0805 10uF 10% Capacitor X5R	Kemet
Designators: C73.(1-8), C65.(1-8), C48.(1-10)	

Soma 8+2 Acquisition Eric Jonas <jonas@mwml.mit.edu> rev: 1.0 run: Etech-web-20060504	
84833-1420	Molex
2.00mm (.079") Pitch Milli-Grid™ Header, Right Angle,	
Designators: JP1	

Soma 8+2 Acquisition Eric Jonas <jonas@mwml.mit.edu> rev: 1.0 run: Etech-web-20060504	
GRM31C5C1E683JA01L 1206 68000pF 5% Ceramic Capacitor 25V C0G	muRata
Designators: C30.(1-10)	

Soma 8+2 Acquisition Eric Jonas <jonas@mwml.mit.edu> rev: 1.0 run: Etech-web-20060504	
RC0603FR-0710RL 0603 10.0 1% Resistor 1/10W□	Yaego America
Designators: R30.(1-10)	

Soma 8+2 Acquisition Eric Jonas <jonas@mwml.mit.edu> rev: 1.0 run: Etech-web-20060504	
T491A106K006AT 3216 10uF 10% Tantalum Capacitor 6.3V	Kemet
Designators: C45.(1-8), C46.(1-8), C54, C64, C62, C63, C34.(1-10), C2.(1-10), C11, C33.(1-10)	

Soma 8+2 Acquisition Eric Jonas <jonas@mwml.mit.edu> rev: 1.0 run: Etech-web-20060504	
ADG604YRUZ TSSOP	Analog Devices
1pC Charge Injection, Low Leakage CMOS 4-Channel Multipl	
Designators: U11, u27	

Soma 8+2 Acquisition Eric Jonas <jonas@mwml.mit.edu> rev: 1.0 run: Etech-web-20060504	
T520T476M006ATE070 3528 47uF 20% Tantalum Capacitor 6.3V 0.40-ohm ESR	Kemet
Designators: C67, C7, C68	

Soma 8+2 Acquisition Eric Jonas <jonas@mwml.mit.edu> rev: 1.0 run: Etech-web-20060504	
RC0603FR-071K87L 0603 1.87k 1% Resistor 1/10W	Yaego America
Designators: R38	

Soma 8+2 Acquisition Eric Jonas <jonas@mwml.mit.edu> rev: 1.0 run: Etech-web-20060504	
AD8513ARZ SOIC	Analog Devices
Precision Low Noise Quad JFET Operational Amplifier RoHS	
Designators: U10.(1-10)	

Soma 8+2 Acquisition Eric Jonas <jonas@mwml.mit.edu> rev: 1.0 run: Etech-web-20060504	
AD7685BRMZ MSOP	Analog Devices
16-bit 250 ksps ADC	
Designators: U2.(1-10)	

Soma 8+2 Acquisition Eric Jonas <jonas@mwml.mit.edu> rev: 1.0 run: Etech-web-20060504	
9C06031A2R70JGHFT 0603 2.7 5% Resistor 1/10W	Yaego America
Designators: R4	