

SD131ASM Rev. F — Bill of Materials

Ref. Des.	Qty. /Assy.	Mfr.	Part No.	Description	Known Vendor(s)
C1, C2	2	Panasonic	ECS-T1CX106R	10uF, 16V Tantalum electrolytic capacitor	Digikey, other
C4, C12, C14, C29	4	Pana.	ECS-T1AY106R	10uF, 10V Tantalum electrolytic capacitor	Digikey, other
C3	1	Pana.	ECJ-1VB1H102K	1.0nF, 50V X7R, SM0603 ceramic capacitor	Digikey, other
C5 thru C10, C13, C23, C24, C27, C28, C30, C31, C32	14	Pana.	ECJ-1VB1C104K	0.1uF, 16V, X7R, SM0603 ceramic capacitor	Digikey, other
C15 thru C18	4	Pana.	ECJ-1VB0J105K	1uF, 6.3V, X5R, SM0603 ceramic capacitor	Digikey, other
C19, C20	2	Pana.	ECJ-3YB1C105K	1uF, 16V, X7R, SM1206 ceramic capacitor	Digikey, other
C21, C22, C33, C34	4	Pana.	ECJ-1VC1H330J	33pF, 50V, NPO, SM0603 ceramic capacitor	Digikey, other
C25	1	Pana.	ECS-T1EX475R	4.7uF, 25V Tantalum electrolytic capacitor	Digikey, other
C36	1	Pana.	ECS-T1VD106R	10uF, 35V Tantalum electrolytic capacitor	Digikey, other
D1	1	Com'l	1N4001	1A, 50V DO-41 Rectifier Diode	Various
J1, J2	2	Amphenol	31-6009H	75Ω edge-mount BNC receptacle (special)	CFE
J3	1	AMP (Tyco)	747844-4	DB-9 receptacle, PCB mount	Various
JP1	1	Samtec	TSW10307SS	1x3 pin post, 0.1" spacing, 0.430" o/a pin length	Samtec or equiv.
JP3	1	Samtec	TSW10207SD	2x2 pin post, 0.1" spacing, 0.430" o/a pin length	Samtec or equiv.
JP4	1	Samtec	TSW10207SS	1x2 pin post, 0.1" spacing, 0.430" o/a pin length	Samtec or equiv.
P5	1	Samtec	TSW10707SD	2x7 pin post, 0.1" spacing, 0.430" o/a pin length	Samtec or equiv.
P6	1	Samtec	TSW10407SS	1x4 pin post, 0.1" spacing, 0.430" o/a pin length	Samtec or equiv.
R1, R2, R6, R7	4	Panasonic	ERJ-3EKF15R0V	15.0Ω, 1%, 1/16W, SM0603 resistor	Digikey, other
R3, R4	2	Pana.	ERJ-3EKF1500V	150Ω, 1%, 1/16W, SM0603 resistor	Digikey, other
R5	1	Pana.	ERJ-3EKF1003V	100kΩ, 1%, 1/16W, SM0603 resistor	Digikey, other
R10, R11	2	Pana.	ERJ-3EKF75R0V	75.0Ω, 1%, 1/16W, SM0603 resistor	Digikey, other
R8, R17	2	Pana.	ERJ-3EKF4751V	4.75kΩ, 1%, 1/16W, SM0603 resistor	Digikey, other
R9	1	Pana.	ERJ-3EKF6191V	6.19kΩ, 1%, 1/16W, SM0603 resistor	Digikey, other
R15	1	Pana.	ERJ-3EKF33R2V	33.2Ω, 1%, 1/16W, SM0603 resistor	Digikey, other
R16	1	Pana.	ERJ-3EKF5621V	5.62kΩ, 1%, 1/16W, SM0603 resistor	Digikey, other
SW1	1	Omron	B3WN-6002	P/B switch, N/O, sealed	Digikey, other
U1	1	NSC	LMH0031VS	SD/HD Video Decoder/deserializer	NSC
U2	1	NSC	COP8AME9EMW8	Microcontroller	NSC
U3	1	NSC	DS14C232TM	RS232 transceiver	NSC
U4	1	FSC	NC7S14M5	Schmidt trigger inverter, single gate	FSC
U5	1	NSC	LM2937ES-3.3	Voltage regulator, TO-263, 3.3V	NSC
U6	1	NSC	LM2937ES-2.5	Voltage regulator, TO-263, 2.5V	NSC
U8	1	NSC	LM2937ES-5.0	Voltage regulator, TO-263, 5.0V	NSC
U9	1	NSC	LM3722 IM5-4.63	uP Reset Circuit	NSC
X1	1	Citizen	CSA309-10.000MABJ	10MHz cylinder crystal, 18pF load	Digikey
XO1	1	Epson Elec.	SG-636PCE 27.000MCQ	27MHz, SOJ, 3.3V crystal oscillator	Digikey
	2	Keystone	1287-ST	0.25" male spade terminal	Digikey, Newark
<b>Alternate Part Types</b>					
X1		Epson	CA-301-10.000M-C	10MHz cylinder crystal, 18pF load	Digi-Key

NSC = National Semiconductor (note: all National Semiconductor product is CFE)

FSC = Fairchild Semiconductor

CFE = Customer Furnished Equipment