

SD130ASM, Rev. G — Bill of Materials

Ref. Des.	Qty. /Assy.	Mfr.	Part No.	Description	Source or Vendor(s)
C1, C2	2	Panasonic	ECS-T1CX106R	10uF/16V Tantalum electrolytic capacitor	Digi-Key, other
C3, C4, C12	3	Pana.	ECS-T1CY475R	4.7uF/16V Tantalum electrolytic capacitor	Digi-Key, other
C25, C26	2	Pana.	ECS-T1EC475R	4.7uF/25V Tantalum electrolytic capacitor	Digi-Key, other
C14	1	Pana.	ECS-T1VD106R	10uF/35V Tantalum electrolytic capacitor	Digi-Key, other
C5 – C11, C13, C23, C24, C27, C28, C30, C32	14	Philips	06032R104K7B20D	0.1uF/16V/X7R SM0603 ceramic capacitor	Digi-Key, other
C15 – C18	4	Pana.	ECJ-1VB0J105K	1uF/6.3V/X5R SM0603 ceramic capacitor	Digi-Key, other
C19, C20	2	Pana.	ECJ-3YB1C105K	1uF/16V/X7R SM1206 ceramic capacitor	Digi-Key, other
C21, C22	2	Philips	0603CG330J9B200	33pF/50V/NPO SM0603 ceramic capacitor	Digi-Key, other
C33	1	Pana.	ECU-V1H104KBW	0.1uF/50V/X7R SM1206 ceramic capacitor	Digi-Key, other
D1	1	Com'l	1N4001	1A/50V DO-41 Rectifier Diode	Digi-Key, other
J1, J2	2	Amphenol	31-6009	75Ω BNC straight receptacle	CFE
J3	1	AMP	747844-4	DB-9 receptacle, PCB mount	Digi-Key, other
P6	1	Samtec	TSW10407SS	1x4 pin post, 0.1" spacing, 0.430" o/a pin length	Samtec or equiv.
R1, R2	2	Panasonic	ERJ-3EKF75R0V	75.0Ω, 1%, 1/16W, SM0603 resistor	Digi-Key, other
R3, R4, R7	3	Pana.	ERJ-3EKF4751V	4.75kΩ, 1%, 1/16W, SM0603 resistor	Digi-Key, other
R5	1	Pana.	ERJ-3EKF1003V	100kΩ, 1%, 1/16W, SM0603 resistor	Digi-Key, other
R6	1	Pana.	ERJ-3EKF33R2V	33.2Ω, 1%, 1/16W, SM0603 resistor	Digi-Key, other
R8 (not used)	0	Pana.	ERJ-8GEYJ511V	510Ω, 5%, 1/8W, SM1206, resistor	Digi-Key, other
R9	1	Pana.	ERJ-3EKF5621V	5.62kΩ, 1%, 1/16W, SM0603 resistor	Digi-Key, other
R10, R11	2	Pana.	ERJ-3GEYJ0R0V	0.0Ω, 5%, 1/16W, SM0603 resistor	Digi-Key, other
SW1	1	Omron	B3WN-6002	P/B switch, N/O, sealed	Digi-Key, other
U1	1	NSC	LMH0030VS	SD/HD Video encoder	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
U7	1	NSC	LM2937ES-5.0	Voltage regulator, TO-263, 5.0V	NSC
U8	1	NSC	LM3722 IM5-4.63	uP Reset Circuit	NSC
X1	1	Epson	CA-301-10.000M-C	10MHz cylinder crystal, 18pF load	Digi-Key
+, - Power	2	Keystone	1287-ST	0.25" male spade terminal	Digi-Key, other
Alternate Part Types (useable in place of parts listed above)					
X1		Citizen	CSA309-10.000MABJ	10MHz cylinder crystal, 18pF load	Digi-Key

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

FSC = Fairchild Semiconductor

CFE = Customer Furnished Equipment