Bill of material - PVR Front panel (Rev B)
23 Janv. 2013

Qty.	Part ID	Description	Mfg. SKU	Manufacturer	Package	Value
1	J1	10 Pos - Dual Row - 2.54mm Receptacle - Vertical	SIP110-PPPC-D05-ST-BK	Sullins Connector Solutions	534206-5	-
8	SW1, SW2, SW3, SW4, SW5, SW6, SW7, SW8	Tactile switch - 6x6mm - 5mm Pitch - 150g	B3F-1022	Omron Electronics	B3F-10XX	-
1	O1	Alphanumeric LCD module 20x2 - RGB Backlight	NHD-C0220BIZ	Newheaven Display	NHD-CO220BIZ	-
1	D4	Diode - SMT 0603 - 1N4148	1N4148	-	SMT 0603	-
2	U1, U2	8-bit I2C-bus LED dimmer	PCA9530D	NXP Semiconductors	SOIC8	-
1	U3	Microcontroller 32k PROG / 1536 RAM / 256 EEPROM	PIC18F2520-E/SO	-	SOIC28	-
3	Q2, Q3, Q4	NPN Transistor	MMBT3904	-	SOT23	-
1	U4	USB to serial UART interface	FT232RL	-	SSOP28	-
1	U5	Low-dropout (LDO) Voltage Regulator - 3.3v	MCP1700-3302E/TO	Microchip	TO92	-
4	R8, R9, R12, R28	Resistor - SMT 0603 - 0	-	-	SMT 0603	0
4	R15, R16, R29, R30	Resistor - SMT 0805 - 0	-	-	SMT 0805	0
2	C1, C2	Electrolytic capacitor - SMT 0805 - 1uF	-	-	CAP_S0805	1uF
2	C4, C5	Capacitor - SMT 0805 - 1uF	-	-	SMT 0805	1uF
2	R1, R2	Resistor - SMT 1206 - 6.8	-	-	SMT 1206	6.8
4	R11, R24, R26, R27	Resistor - SMT 0603 - 10k	-	-	SMT 0603	10k
8	R4, R5, R6, R18, R19, R21, R22, R23	Resistor - SMT 0805 - 10k	-	-	SMT 0805	10k
1	C3	Capacitor - SMT 0805 - 10nF	-	-	SMT 0805	10nF
1	R3	Resistor - SMT 1206 - 33	-	-	SMT 1206	33
7	C6, C8, C9, C10, C13, C14, C15	Capacitor - SMT 0603 - 100nF	-	-	SMT 0603	100nF
2	F1, F2	Fuse - SMT 1206 - 200mA	-	-	SMD_1206	200mA
4	R13, R14, R17, R20	Resistor - SMT 0805 - 680	-	-	SMT 0805	680
2	D2, D3	Led 2x5mm - Green	-	-	2x5mm	Green
2	D5, D6	Led Chip 0805 - Green	-	-	SMT 0805	Green
1	D1	Led 2x5mm - Red	-	-	2x5mm	Red