



# xPC563MADPT144S Rev. A.1 Component List

May 12, 2008

## Components On Top

Description	Quantity	Mounting Style	Designator	Manufacture Part Number
2X1 Pin Straight Header, 0.1" Thru-hole	6	0.1" Thru-hole	J3, J4, J11, J13, J14, J15	Singatron: 2201-02-S-02-6.0/3.0
2X2 Pin Straight Header, 0.1" Thru-hole	1	0.1" Thru-hole	J10	Singatron: 2201-04-S-02-6.0/3.0
3X1 Pin Straight Header, 0.1" Thru-hole	3	0.1" Thru-hole	J7, J8, J9	Singatron: 2201-03-S-02-6.0/3.0
7X1 Pin Straight Header, 0.1" Thru-hole	1	0.1" Thru-hole	J12	Singatron: 2201-07-S-02-6.0/3.0
7X2 Pin Straight Header, 0.1" Thru-hole	1	0.1" Thru-hole	J5	Singatron: 2201-14-S-02-6.0/3.0
Capacitor 22pF 50V (NPO)Ceramic	2	RES 0603	C8, C9	AVX: 06035A220JAT2A
Capacitor 0.01uF 50V (X7R)Ceramic	1	RES 0603	C3	AVX: 06035C103KAT2A
Capacitor 0.1uF 25V (X7R)Ceramic	11	RES 0603	C2, C13, C21, C23, C25, C27, C29, C31, C33, C35, C53	Murata: GRM188R71E104KA01D
Capacitor 0.22uF 25V (NPO)Ceramic	2	RES 0603	C47, C51	AVX: 06033A224JAT2A
Resistor 0 Ohm 5% 1/10W 0603 SMD	2	RES 0603	R11, Rs	Vishay/Dale: CRCW06030000Z0EA
Surface Mount LED GREEN	1	LED 1206 0805	D2	Avago: HSMG-C150
Surface Mount LED RED	1	LED 1206 0805	D3	Avago: HSMH-C170
Ferrite Bead 1.5A 26 Impedance@100 MHz	2	RES 1206 0805	FB1, FB2	Steward: MI1206K260R-10
Light Touch Button, Height=7.0mm	1	PTS645S	RESET	Panasonic: EVQ-PAC07K
Slide Power Switch DPDT	1	Thru-hole	K1	E-Switch: EG2201
Power Jack 2.5mm/5.5mm	1	Thru-hole	P1	CUI: PJ-102B
5 Watt 5.6V Surface Mount Zener Diode	1	DO-214AA	D1	MCC: Zener SMBJ5339B
12 MHz HCM49 18pF SMT Crystal	1	CRYSTAL SMT	Y1	Citizens: HCM49-12.000MABJ-UT
ADM6315-45D3ARTZ	1	SOT-143	U4	Analog Devices: ADM6315-26D3ARTZ
NEXUS CONNECTOR (MICTOR)	1	AMP 38 PIN	J6	TYCO: 2-5767004-2
144LQFP SOCKET	1	Thru-hole	U1	WELLS-CTI: 3020-144-6-08
<b>Total Components On Top</b>	<b>42</b>			
<b>Components Not Mounted</b>		<b>CT2, P2, Rf, U2</b>		

**Components On Bottom**

Description	Quantity	Mounting Style	Designator	Manufacture Part Number
Capacitor 1nF 50V Ceramic	8	RES 0603	C20, C22, C24, C26, C28, C30, C32, C34	Murata: GRM188R71E102KA01D
Capacitor 10nF 50V (X7R)Ceramic	3	RES 0603	C5, C14, C15	AVX: 06035C103KAT2A
Capacitor 0.1uF 25V (X7R)Ceramic	5	RES 0603	C6, C7, C16, C17,C19	Murata: GRM188R71E104KA01D
Capacitor 0.22uF 25V (NPO)Ceramic	2	RES 0603	C45 ,C49	AVX: 06033A224JAT2A
Capacitor 22uF 10V X5R Ceramic	1	RES 0603	C52	Taiyo Yuden: LMK212BJ226MG-T
Capacitor 4.7uF 16V Tantalum	1	CAP EIA B	C12	AVX: TAJA475K016R
Capacitor 10uF 16V Tantalum	2	CAP EIA B	C1,C4	293D106X9016B2TE3
Capacitor 22uF 16V Tantalum	4	CAP EIA B	C44,C46,C48,C50	AVX:TAJA226K016R
Resistor 0 Ohm 5% 1/10W 0603 SMD	4	RES 0603	R12,R13,R17,R18	Vishay/Dale: CRCW06030000Z0EA
Resistor 100R 1/10W 1%	1	RES 0603	R14	Dale: CRCW0603100RFKEA
Resistor 510 Ohm 5% 1/10 W	2	RES 0603	R1,R15	Dale: CRCW0603511JNEA
Resistor 4.7K 1/10W 1%	1	RES 0603	R16	Dale: CRCW0603472FKEA
Resistor 10K Ohm 5% 1/16W	8	RES 0603	R2,R3,R4,R5,R6,R7,R9,R10	Dale: CRCW060310K0FKEA
Ferrite Bead 1.5A 26 Impedance@100 MHz	4	RES 1206 0805	FB3,FB4,FB6,FB7	Steward: MI1206K260R-10
AMP 120 SMT CONNECTOR	2	SMT	J1, J2	TYCO: 5179031-5
NPN medium power transistor BCP68	1	SOT-223	U3	NXP: BCP68
Resettable Fuse 1.1A	1	FUSE1	FUSE	
<b>Total Components On Bottom</b>	<b>50</b>			
<b>Components Not Mounted</b>		<b>C18, CT1, CT4, CT7, CT6, CT8</b>		