



NOTES:
 1. USE 101/0112 ~ 04 PCB.
 2. CAUTION: CONTAINS PARTS AND ASSEMBLIES SUSCEPTIBLE TO DAMAGE BY ELECTROSTATIC DISCHARGE (ESD)

UNLESS OTHERWISE SPECIFIED DIMENSIONS AND TOLERANCES ARE IN INCHES AND APPLY TO THE FINISHED PART TOLERANCES ARE: FRACTIONS .XX ± .01 DECIMALS .XXX ± .005 DO NOT SCALE DRAWING		CONTRACT NO.		Peregrine Semiconductor 9450 Carroll Park Drive, Suite 100 San Diego, CA 92121	
BROWN	R.Marroquin	DATE	2/16/07	DSA 50 Ohm MLP20 4X4 EK	
ENGINEER		DATE			
MATERIAL		CHECKED		SIZE	B
FINISH		APPROVED		CAGE CODE	
SIMILAR TO		ISSUED		DWG NO.	102/0144
				REV	04
				SCALE:	NONE
				DATE	Friday, February 23, 2007
					Sheet 1 of 1

PEREGRINE SEMICONDUCTOR CORPORATION
 DSA 50 Ohm MLP20 4X4 EK Revised: Friday, February 23, 2007
 Bill Of Materials

Item	Quantity	Reference	Value	Description	Manufacturer	Manufacturer Part Number	Distributor	Distributor Part Number	Data Sheet	Notes
1	3	CA1,CA2,CA3	100pF	PAN Chip Capacitor Array, 100pF, 25V, ±10%, 1206	Panasonic - ECG	EZA-SCE101M	Digi-Key	P10194CT-ND	http://www.panasonic.com/industrial/components/pdf/AEH0000CE4.pdf	
2	1	C11	DNI	PAN SMD Capacitor, Ceramic, 0805	Panasonic - ECG		Digi-Key			
3	2	C13,C17	100pF	PAN SMD Capacitor, Ceramic, 100pF, 50V, NP0, ±5%, 0603	Panasonic - ECG	ECJ-1VC1H101J	Digi-Key	PCC101ACVTR-ND	http://www.panasonic.com/industrial/components/pdf/abj0000ce1.pdf	
4	2	C16,C18	0.1µF	PAN SMD Capacitor, Ceramic, 0.1µF, 50V, X7R, ±10%, 0805	Panasonic - ECG	ECJ-2YB1H104K	Digi-Key	PCC1840TR-ND	http://www.panasonic.com/industrial_oem/electronic_components/pdf/ecu_ecl.pdf	
5	1	C19	DNI	PAN SMD Capacitor, Ceramic, 0603	Panasonic - ECG		Digi-Key			
6	12	D1,D2,D3,D4,D5,D6,D7,D8, D9,D10,D11,D12	2.7V	PAN Diode Zenner, 2.7V 150MW, 200mA, S-MINI 2P	Panasonic - SSG	MAZ80270HL	Digi-Key	MAZ80270HLC-ND	http://www.semicon.panasonic.co.jp/ds/eng/SKE00007CED.pdf	
7	1	J1	HEADER 26	CONN HEADER, 100 DUAL STR 72POS	Sullins Electronics Corp.	PZC36DABN	Digi-Key	S2021-36-ND	http://rocky.digikey.com/WebLib/Sullins/Web%20Data/PZC36DABN.pdf	Cut to 26 Pin Header .100
8	2	J2,J3	DNI	75 Ohm F-Style Connector, Female Jack, Side Launch, 0.060"-0.064" Thickness	Trompeter Electronics	CBJE130-1				
9	2	J4,J5	SMASM	SMA 500 END LAUNCH JACK RECEPTACLE-ROUND CONTACT	Johnson Components Inc.	142-0701-801	Digi-Key	J502-ND	http://rocky.digikey.com/WebLib/Johnson%20Components/Web%20Data/142-0701-801.%20142-0701-806.pdf	
10	1	J6	CON2	CONN HEADER, 100 SINGLE STR 36POS	Sullins Electronics Corp.	PZC36SAAN	Digi-Key	S1011-36-ND	http://rocky.digikey.com/WebLib/Sullins/Web%20Data/PZC36SAAN.PDF	Cut to 2 Pin Header .100
11	2	J7,J8	CON3	CONN HEADER, 100 SINGLE STR 36POS	Sullins Electronics Corp.	PZC36SAAN	Digi-Key	S1011-36-ND	http://rocky.digikey.com/WebLib/Sullins/Web%20Data/PZC36SAAN.PDF	Cut to 3 Pin Header .100
12	1	J9	HEADER 4	CONN HEADER, W/ FRIC LCK, 4POS, .100 VERT TIN	Molex/Waldom Electronics Corp.	22-23-2041	Digi-Key	WM4202-ND	http://www.molex.com/product/pcb/6373.pdf	
13	2	J10,J11	DNI	SMA 500 END LAUNCH JACK RECEPTACLE-ROUND CONTACT	Johnson Components Inc.	142-0701-801	Digi-Key	J502-ND	http://rocky.digikey.com/WebLib/Johnson%20Components/Web%20Data/142-0701-801.%20142-0701-806.pdf	DO NOT INSTALL
14	4	MT1,MT2,MT3,MT4	MTG HOLE							
15	2	RN1,RN2	220	CTS Thick Film Chip Resistor Chip Array 16TRM, 8RES, 220 Ohm, 50V, 742, 0.063W, ±5%, 0603	CTS Corporation Resistor/Electrocomponents	742C163221JTR	Digi-Key	742C163221JTR-ND	http://rocky.digikey.com/WebLib/CTS/Web%20Data/741-746%20Series.pdf	
16	1	RN3	470	CTS Thick Film Chip Resistor Chip Array 16TRM, 8RES, 470 Ohm, 50V, 742, 0.0625W, ±5%, 0603	CTS Corporation Resistor/Electrocomponents	742C163471JPTR	Digi-Key	742C163471JPTR-ND	http://www.ciscorp.com/components/Datasheets/CTSChipArrayDs.pdf	
17	1	RN4	10K	Bourns Resistor Network 10TRM, 9RES, 10K, 100V, 0.30W, ±2%, SIP10	Bourns Inc.	4610X-101-103	Digi-Key	4610X-1-103-ND	http://www.bourns.com/pdf/4600X.pdf	
18	2	R1,R2	DNI	PAN SMD Resistor, Thick Film, 0603	Panasonic - ECG		Digi-Key			
19	2	R3,R8	10K	PAN SMD Resistor, Thick Film, 10K, 1/16W, ±5%, RoHS, 0402	Panasonic - ECG	ERJ-2GE1J03X	Digi-Key	P10KJTR-ND	http://www.panasonic.com/industrial/components/pdf/AOA0000CE1.pdf	
20	1	R5	0 OHM	Xicon SMD Thick Film Chip Resistor, 0 Ohm, 1/16W, ±5%, RoHS, 0603	Xicon	301-0-RC	Mouser Electronics	301-0-RC	http://www.mouser.com/catalog/specsheets/XC-600033.pdf	
21	2	R6,R7	0 OHM	PAN SMD Thick Film Chip Resistor, 0 Ohm, 1/16W, ±5%, RoHS, 0402	Panasonic - ECG	ERJ-2GE0R00X	Digi-Key	P0.0UTR-ND	http://www.panasonic.com/industrial/components/pdf/AOA0000CE1.pdf	
22	2	R10,R11	470 Ohm	PAN SMD Resistor, Thick Film, 470 Ohm, 1/16W, ±5%, 0603	Panasonic - ECG	ERA-V15J471V	Digi-Key	P470CFCT-ND	http://www.panasonic.com/industrial/components/pdf/AOF0000CE1.pdf	
23	3	R12,R13,R17	10K	Xicon SMD Thick Film Chip Resistor, 10K Ohm, 1/16W, ±5%, RoHS, 0603	Xicon	301-10K-RC	Mouser Electronics	301-10K-RC	http://www.mouser.com/catalog/specsheets/XC-600033.pdf	
24	1	SW1	106-1208-EV	Mountain Switch, SPST, DIP SW 8 POS, NS 100mA/50VDC, S 50mA/24VDC, RoHS	Mountain Switch	106-1208-EV	Mouser Electronics	106-1208-EV	http://www.mouser.com/catalog/specsheets/MS-100583.pdf	
25	1	U1	MLPQ4X4							U1 can be PE4302, PE4305, or PE4306
26	1	101/0112~04		DSA MLP20 EK 430X						

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