

EDA-00031

FILAR: Quad HOLA S-LINK to 64bit/66MHz PCI interface

Nom du client:	Stefan Haas	Numéro de code budget:	27921
Date:	1/7/2005 11:09		
Dessinateur:	William BILLEREAU	Liste crée par:	William Billereau/Stefan Haas

Components to be mounted

Qty	Part Name	Description	Manucfacturer	Value	Outline	Volt./W.	Tol.	Parts	Notes
4	TLK2501IRCP	1.6 To 2.5 Gbps Transceiver	Texas Instruments		PQFP64_050			IC1,IC3,IC10,IC12	
4	EP20K30ETC144-3	APEX 20KE Programmable Logic Device	Altera		TQFP144_050			IC2,IC4,IC9,IC11	
1	EPC4QC100	4Mbit Enhanced Configuration Device	Altera		PQFP100R			IC5	
1	CDCVF25081D	3.3V Zero Delay Clock Buffer	Texas Instruments		SOIC16S_127			IC6	
1	CDCVF2505D	3.3V Zero Delay Clock Buffer	Texas Instruments		SOIC8			IC7	
1	EP20K200CF484-C8	APEX 20KC Programmable Logic Device	Altera		BGA484AF26_100			IC8	see instructions in file BGA_mounting.doc
1	MAX6629MUT-T	12-Bit + Sign Digital Temperature Sensors with Serial Interface	Maxim		SOT23_6			IC13	
1	LP3963ES-2.5	3A Fast Ultra Low Dropout Linear Regulators	National Semi.	2.5V	TO263_5	3A		RG1	
1	LP3963ES-1V8	3A Fast Ultra Low Dropout Linear Regulators	National Semi.	1.8V	TO263_5	3A		RG2	
1	SM7745DV-100M	Leadless SMD Ceramic Clock Oscillator	Pletronics	100MHz	QZSMD4P_5X7	3.3V	50ppm	QZ1	
4	MENTOR 1882.2781	3mm Triple LED red/yellow/green	Mentor	1882.2781				LD1-LD4	
13	BLM31PG391SN1L	SMD Ferrite Bead, 390Ohm@100MHz	Murata	50mOhm DC	L1206			L1-L13	
1	09.55.05.210.5	2x5 Male Right Angle Connector		39104011-10400				J2	
2	09.55.05.210.8	2x5 Male Straight Connector		38903581-10400				J1, J3	
4	1367073-1	SFP Host Board connector. 20 Position 0.8mm pitch Right Angle Connector	Tyco					JOPT1-JOPT4	mount before SFP cages (OPT1-4)
4	V23838-S5-N1	Cage for Small Form Factor Pluggable (SFP) Transceiver	Infineon					OPT1-OPT4	

Components to be mounted (not supplied)

Qty	Part Name	Description	Manucfacturer	Value	Outline	Volt./W.	Tol.	Parts	Notes
216	10.03.06.100NF	SMD Ceramic Capacitor		100nF	C0603	16V		C2-C3,C7-C9,C12-C31,C34-C50, C53-C67,C69-C78,C81,C83-C85, C87-C88,C90-C99,C101,C106, C108-C176,C179-C184,C186-C202, C204-C213,C217-C222,C224-C230, C232-C234,C236,C238-C240,C242, C244-C246,C248,C250-C252,C254	do not mount C33 et C203
6	10.82.01.100UF	SMD Tantalum Electrolytic Capacitor		100uF	Type D	10V		C4-C5,C80,C104-C105,C107	
27	3216Y5V106Z	Y5V Dielectric SMD Multi-layer Ceramic Capacitor (MLCC)		10uF	C1206	10V	+80/-20%	C6,C10-C11,C32,C51-C52,C68, C79,C82,C86,C89,C100,C103, C177-C178,C185,C214,C216, C223,C231,C235,C237,C241, C243,C247,C249,C253	
5	11.24.03.00R1%	SMD Resistor		00	R0603	1/16W	1%	R1,R26-R28,R44	

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Components to be mounted

Qty	Part Name	Description	Manufacturer	Value	Outline	Volt./W.	Tol.	Parts	Notes
38	11.24.03.10K1%	SMD Resistor		10K	R0603	1/16W	1%	R2,R12-R13,R23-R24,R43,R51-R56, R58-R61,R71-R72,R83-R102	
24	11.24.03.51R1%	SMD Resistor		51	C0603	1/16W	1%	R3,R6,R8-R11,R14,R17,R19-R22, R63-R67,R70,R75-R79,R82	
20	11.24.03.200R1%	SMD Resistor		200	R0603	1/16W	1%	R4-R5,R15-R16,R68-R69, R80-R81,R103-R114	
17	11.24.03.22R1%	SMD Resistor		22	R0603	1/16W	1%	R7,R18,R29-R32,R34-R41, R57,R62,R74	
3	11.00R.RESINV.C0603	SMD Jumper Selection Case 0603		00	C0603			R25,R33,R42	R25, R42: mount on side marked + R33: mount on side marked -
6	11.24.03.1K1%	SMD Resistor		1K	C0603	1/16W	1%	R45-R50	

Components not be mounted (NC)

3	10.03.03.100PF	SMD Ceramic Capacitor		100pF	C0603	50V	—	C1,C102,C215	
1	11.24.03.68R1%	SMD Resistor		68	R0603	1/16W	1%	R73	
2	10.03.06.100NF	SMD Ceramic Capacitor		100nF	C0603	16V	—	C33, C203	

Mechanical parts etc.

4	V23818-M305-B57	2xFC small form factor pluggable (SFP) transceiver module	Infineon						
1	EDA-00031-PCB	Printed circuit board							
1	EDA-00031-FP	PCI Front panel							
2	Screws	Screws for fixing PCI front panel							

Board dimensions:
167.64x106.68mm

Through pins:	136
SMD pins on TOP:	1801
SMD pins on BOTTOM:	876
Total nb of pins:	2813