

Bill of Materials

SMPS 24VDC 6A(16A)

Date: 01/09/2008  
Number of components: 119

Name	Description	Value	Target
C1	POLYESTERE 220nF-275V-X2 P15	220nF-275V-X2	CKP220NF250
C2	POLYESTERE 100nF-275V-X2 P15	100nF-275V-X2	CKP100NF250
C3	ELECTR. 680uF 200V P10.16	680uF 200V	CKE680MF200V
C4	CERAMIC 220pF NP0 0603	220pF-S	CKC220PF-SMD
C5	CERAMIC 100kpF Y5V 0603	100nF-S	CKC100KPF-SMD
C6	CERAMIC 100kpF Y5V 0603	100nF-S	CKC100KPF-SMD
C7	CERAMIC 470kpF Y5V 0603	470nF-S	CKC470KPF-SMD
C8	CERAMIC 10kpF Z5U 0603	10nF-S	CKC10KPF-SMD
C9	CERAMIC 47kpF Y5V 0603	47nF-S	CKC47KPF-SMD
C10	CERAMIC 100pF NP0 0603	100pF-S	CKC100PF-SMD
C12	CERAMIC 470kpF Y5V 0603	470nF-S	CKC470KPF-SMD
C14	CERAMIC 470kpF Y5V 0603	470nF-S	CKC470KPF-SMD
C15	POLYPROP. 220pF 630V	220pF 630V	CKP220PF630V
C16	CERAMIC 22nF 630V	22nF 630V	CKP22NF630V-1
C17	ELECTR. 4.7uF 0405	4.7uF-S	CKE4,7MF-SMD
C18	CERAMIC 47kpF Y5V 0603	47nF-S	CKC47KPF-SMD
C19	CERAMIC 100kpF Y5V 0603	100nF-S	CKC100KPF-SMD
C20	ELECTR. 470uF 35V P5 NIC	470uF 35V-NIC	CKE470MF35V-NIC
C21	ELECTR. 470uF 35V P5 NIC	470uF 35V-NIC	CKE470MF35V-NIC
C22	ELECTR. 470uF 35V P5 NIC	470uF 35V-NIC	CKE470MF35V-NIC
C23	ELECTR. 470uF 35V P5 NIC	470uF 35V-NIC	CKE470MF35V-NIC
C24	CERAMIC 220kpF Y5V 0603	220nF-S	CKC220KPF-SMD
C25	ELECTR. 100uF 50V P2.54	100uF 50V	CKE100MF50V
C26	POLYESTERE 2.2nF-300VAC-Y1 P10	2.2nF-Y1	CKC2,2NF-Y1
C27	CERAMIC 22nF 630V	22nF 630V	CKP22NF630V-1
C28	CERAMIC 100kpF Y5V 0603	100nF-S	CKC100KPF-SMD
C29	CERAMIC 100kpF Y5V 0603	100nF-S	CKC100KPF-SMD
C30	CERAMIC 100kpF Y5V 0603	100nF-S	CKC100KPF-SMD
C32	ELECTR. 100uF 25V P2.54	100uF 25V	CKE100MF25V
C33	CERAMIC 100kpF Y5V 0603	100nF-S	CKC100KPF-SMD
C35	CERAMIC 47kpF Y5V 0603	47nF-S	CKC47KPF-SMD
C36	CERAMIC 100kpF Y5V 0603	100nF-S	CKC100KPF-SMD
C37	ELECTR. 680uF 200V P10.16	680uF 200V	CKE680MF200V
C39	CERAMIC 4.7nF-250VAC-Y2 P10	4.7nF-Y2	CKC4,7NF-Y2
C40	CERAMIC 4.7nF-250VAC-Y2 P10	4.7nF-Y2	CKC4,7NF-Y2
C42	ELECTR. 1uF 160V P2.54	1uF 160V	CKE1MF160V
CN1	CONNECTOR 3966 PASSO 3.96MM 3 POLI	MLX3966-03A	CON5273-03
CN2	CONNECTOR 3966 PASSO 3.96MM 2 POLI	MLX3966-02A	CON5273-02
CN3	CONNECTOR 3966 PASSO 3.96MM 4 POLI	MLX3966-04A	CON5273-04
CS1	PCB	CS	CS049701A
D1	DIODE S1M/11T 1A 1000V D0214AC	S1M-S	DKGS1M-SMD
D2	DIODE ZENER 24V 1W SMT	24V 1W-S	DKZ24V1W-SMD
D3	DIODE LS4148 SOD-80 SMD	1N4148-S	DKLS4148-SMD
D4	DIODE LS4148 SOD-80 SMD	1N4148-S	DKLS4148-SMD
D5	DIODE LS4148 SOD-80 SMD	1N4148-S	DKLS4148-SMD
D6	DIODE LS4148 SOD-80 SMD	1N4148-S	DKLS4148-SMD
D7	DIODE LS4148 SOD-80 SMD	1N4148-S	DKLS4148-SMD
D8	DIODE SCHOTTKY 100V 2X10A D2PAK	STPS20H100-S	DKSTPS20H100-SMD
D9	DOUBLE DIODE 250V 400MA SOT-23	BAV23C-S	DKBAV23C-SMD
D11	DIODE LS4148 SOD-80 SMD	1N4148-S	DKLS4148-SMD
D12	DIODE ZENER 12V 1W SMT	12V 1W-S	DKZ12V1W-SMD
D13	DIODE SCHOTTKY 100V 2X10A D2PAK	STPS20H100-S	DKSTPS20H100-SMD
DL1	DIODE LED RED 0805 SMD	DL0805R-S	LEDR-SMD
DP1	RECTIFIER BRIDGE 8A	DP8A	PTKBU8J
F1	FUSE 5X20 250V 3.15A DELAYED	F3A15T	FUS5X20T3A1
L1	COMMON MODE CHOKE 2X25MH 1.2A	IND2X25MH1.2A	IND2X25MH1A2
PF1	FUSE BASE 5X20 6.3A VERTICALE	PFB-V	PF5X20VERT
Q1	MOSFET N-CHANNEL 500V 18A D2PAK	STB21NM50N-S	TSSTB21NM50N-SMD
Q2	MOSFET N-CHANNEL 500V 18A D2PAK	STB21NM50N-S	TSSTB21NM50N-SMD
Q3	BC817-25LT1 N.P.N SOT-23	BC817-S	TSBC817-SMD
Q4	TRANSISTOR NPN 140V 1A SOT-223	STN715-S	TSSTN715-SMD

STEVAL-ISA018V1

R1	RESISTOR 100k 5% 1206 SMD	100k-1206-S	RKE100K-1206-SMD
R2	RESISTOR 470k 5% 1206 SMD	470k-1206-S	RKE470K-1206-SMD
R3	RESISTOR 10k SMD-0603 5%	10k-S	RKE10K-SMD
R4	RESISTOR 10k SMD-0603 5%	10k-S	RKE10K-SMD
R5	RESISTOR 1M SMD-0603 5%	1M-S	RKE1M-SMD
R6	RESISTOR 56k SMD-0603 5%	56k-S	RKE56K-SMD
R8	RESISTOR 10R SMD-0603 5%	10-S	RKE10R-SMD
R9	RESISTOR 10R SMD-0603 5%	10-S	RKE10R-SMD
R10	RESISTOR 100R SMD-0603 5%	100-S	RKE100R-SMD
R11	RESISTOR 10R SMD-0603 5%	10-S	RKE10R-SMD
R12	RESISTOR 100R SMD-0603 5%	100-S	RKE100R-SMD
R13	RESISTOR 100R 5% 1206 SMD	100-1206-S	RKE100R-1206-SMD
R14	RESISTOR 100R SMD-0603 5%	100-S	RKE100R-SMD
R15	RESISTOR 10k SMD-0603 5%	10k-S	RKE10K-SMD
R16	RESISTOR 220R SMD-0603 5%	220-S	RKE220R-SMD
R17	RESISTOR 1k SMD-0603 5%	1k-S	RKE1K-SMD
R18	RESISTOR 470R SMD-0603 5%	470-S	RKE470R-SMD
R19	RESISTOR 10R 5% 1206 SMD	10-1206-S	RKE10R-1206-SMD
R20	RESISTOR 1k SMD-0603 5%	1k-S	RKE1K-SMD
R21	RESISTOR 15K SMD-0603 5%	15k-S	RKE15K-SMD
R22	RESISTOR 1k SMD-0603 5%	1k-S	RKE1K-SMD
R23	RESISTOR 1k SMD-0603 5%	1k-S	RKE1K-SMD
R24	RESISTOR 22k SMD-0603 5%	22k-S	RKE22K-SMD
R25	RESISTOR 10k SMD-0603 5%	10k-S	RKE10K-SMD
R26	SHUNT 0.01R 3W P15.24	0R01 3W	SHUNT0,01R3W
R27	RESISTOR 1k SMD-0603 5%	1k-S	RKE1K-SMD
R28	RESISTOR 22k SMD-0603 1%	22k 1%-S	RKA22K-SMD
R29	RESISTOR 2k2 SMD-0603 5%	2k2-S	RKE2K2-SMD
R30	RESISTOR 4k7 SMD-0603 1%	4k7 1%-S	RKA4K7-SMD
R31	RESISTOR 10R SMD-0603 5%	10-S	RKE10R-SMD
R32	RESISTOR 1k SMD-0603 5%	1k-S	RKE1K-SMD
R34	RESISTOR 220k SMD-0603 5%	220k-S	RKE220K-SMD
R35	RESISTOR 470k 5% 1206 SMD	470k-1206-S	RKE470K-1206-SMD
R36	RESISTOR 100k 5% 1206 SMD	100k-1206-S	RKE100K-1206-SMD
R37	RESISTOR 1k SMD-0603 5%	1k-S	RKE1K-SMD
R38	RESISTOR 4k7 5% 1206 SMD	4k7-1206-S	RKE4K7-1206-SMD
R40	RESISTOR 100R SMD-0603 5%	100-S	RKE100R-SMD
R41	RESISTOR 5K6 SMD-0603 1%	5k6 1%-S	RKA5K6-SMD
R43	RESISTOR 3K3 SMD-0603 5%	3k3-S	RKE3K3-SMD
R45	RESISTOR 22K SMD-0603 5%	22k-S	RKE22K-SMD
R46	RESISTOR 1K SMD-0603 5%	1k-S	RKE1K-SMD
R47	RESISTOR 10K SMD-0603 5%	10k-S	RKE10K-SMD
R48	RESISTOR 100K SMD-0603 5%	100k-S	RKE100K-SMD
R49	RESISTOR 10K SMD-0603 5%	10k-S	RKE10K-SMD
R50	RESISTOR 0R SMD-0603	0-S	RKE0R-SMD
R51	RESISTOR 1K PR01 1W 5% P10.16	1k PR01	RKE1KPR01
R52	RESISTOR 220K 5% 1206 SMD	220k-1206-S	RKE220K-1206-SMD
R53	RESISTOR 220K 5% 1206 SMD	220k-1206-S	RKE220K-1206-SMD
R54	RESISTOR 0R SMD-0603	0-S	RKE0R-SMD
R55	RESISTOR 47R 5% 1206 SMD	47-1206-S	RKE47R-1206-SMD
S1	TERMISTOR NTC 2R 4A	NTC2R-4A	NTC2R-4A
S2	NTC 10K -40°C A 125°C 0603	NTC10K-S	NTC10K-SMD
T1	TRANSFORMER TDK SRW40EC2	TRF-SRW40EC2	TF0032
U1	HIGH-VOLTAGE RESONANT CONTROLLER SO-16	L6599D-S	CIL6599D-SMD
U2	OPTOCOUPLER - VISHAY CTR40-80%	TCET1101	OPPTCET1101
U3	IC TS321 SOT23-5	TS321-S	CITS321-SMD
U4	IC TSM1011D SO-8	TSM1011D-S	CITSM1011D-SMD
Z1	VARISTOR 300V D. 9	VAR300	VK300VD9