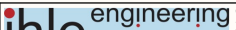


APPROVALS		DATE	PROJECT		 www.ihle-engineering.de		Grubstr. 6-8 D-79279 Vörstetten marc.ihle@ihle-engineering.de	
ENG:	-							
DSN:	-				DOC. REV. Not in version control			
CHK:	-				TITLE			
REFERENCE DOCUMENTS			★					
BOM:								
ASSY DWG:			SIZE	DWG NO.			REV	
FAB DWG:			A3					
PCB DWG:			FILE NAME AC-Power-Monitor.SchDoc				SHEET 1	OF 1

Comment	Description	Designator	Footprint	LibRef	Quantity
0000390709BEB103	CAP CER 1000PF 50V X7R 0603	C1	FP-C0603-DA-MFG	OMP-2100-03600-2	1
CGA3E1X7R1E105K080 AC	Cap Ceramic 1uF 25V X7R 10% Pad SMD 0603 +125°C Automotive T/R	C2, C3, C19, C20, C22	FP-CGA5E0_3-0_1-IPC_A	OMP-08246-001507-1	5
06035C102K4T2A	General Purpose Ceramic Capacitor, 0603, 1nF, 10%, X7R, 15%, 50V	C3, C6, C8	FP-0603-4_1_6_0_15-W_0_81-IPC_A	OMP-2006-04378-2	3
CGA3E2X7RH104K080 AA	Cap Ceramic 100nF 50V X7R 10% Pad SMD 0603 +125°C Automotive T/R	C4, C5, C7, C24	FP-CGA5E0_3-0_1-IPC_A	OMP-2000-07546-2	4
10nF	WCAP-FTX2 Film Capacitor, THT, L13x W5xH11mm, 10nF, 275V	C10	WCAP-FTX2_L13W5H11_CS	8903040230060CS	1
MKY22W2100300	CAP CER 3300PF 50V 5% XNP 0603	C11, C12	MKY22W2	C:unipolar	2
00603C332J5GACTU	CAP CER 3300PF 50V 5% XNP 0603	C13, C14, C21	FP-C0603CCF-MFG	OMP-2006-03334-2	3
180uF	WCAP-PSLC Aluminum Polymer Capacitor, V-Chip SMT, D8xH11.7mm, 180uF, 6.3V, WCAP-PSLC Aluminum Polymer Capacitor, V-Chip SMT, D8xH11.7mm, 180uF, 16V	C15, C18	WCAP-PSLC_D8H11.7	875075155001, 875075355001	2
00603C109K9RACTU		C16, C17	CAPC1608X87X36LL15 T15	OMP-2006-03713-1	2
885012206085	885012206085 Multilayer Ceramic Capacitor, Wcap-Cap Series, 2200 PF, 10%, X7R, 50 V, 0603 [1608 Metric] Rhfs Compliant: Yes...	C23	WCAP-CSCP_0603_L1.6W0.8H0.8_Retlow	OMP-03913-53914794-1	1
00603C074K4RACTU	CAP CER 0.47UF 16V X7R 0603	C7	FP-C0603CCF-MFG	OMP-2006-03235-2	1
400W, 440VDC	WE-TVS-SP SMT Power TVS Diode, DO-214AC Bidirectional, 400W, 440VDC	D1, D2	WE-TVS-SP_DO-214AC_Bidirectional	824501442	2
1800Ohm	WE-TMSB Tiny Multilayer Suppression Bead, size 0402, 1800Ohm, 0.21A	FB1, FB2, FB3, FB4	WE-TMSB_0402_HFH-SVWB	74295244182	4
TMCS1127C1AQDVGR	Integrated Circuit	IC1	TMCS1127C1AQDVGR	TMCS1127C1AQDVGR	1
AMC3330DMER	Integrated Circuit	IC2	SOIC127P10300265-16N	AMC3330DMER	1
691131710003	WR-TBL Series 1317 Horizontal Entry, THT, pitch 5mm, Q3;	J1, J2	691131710003	691131710003	2
61300811821	WR-PHD Socket Header, THT, Vertical, pitch 2.54mm, 1 Row, 8P	J3, J4	61300811821	61300811821	2
TLMV04103		M1	TMPM04	AC/DC Buck-Module	1
61300211121	WR-PHD Pin Header, THT, Vertical, pitch 2.54mm, 1 Row, 2P	P1, P3, P4, P5, P6	61300211121	61300211121	5
61300311121	WR-PHD Pin Header, THT, Vertical, pitch 2.54mm, 1 Row, 3P	P2, P7	61300311121	61300311121	2
61301421121	WR-PHD Pin Header, THT, Vertical, pitch 2.54mm, 2 Row, 14P	P8	61301421121	61301421121	1
RK73H2BTTD1804F	Chip Resistor 1206 Thick Film AEC-Q200 Qualified	R1, R3	FP-RK73H2B-IPC_B	OMP-2003-01283-2	2
CROM080510K0FKEA	RES Thick Film, 10kΩ, 1%, 0.125W, 100ppm/°C, 0805	R2	FP-CROM0805-e3-IPC_A	OMP-2001-04608-2	1
CROM060347K0FKEA	RES SMD 47K OHM 1% 1/10W 0603	R4	FP-CROM0603-e3-IPC_B	OMP-2000-03379-3	1
RD20102M00RHEPAT	RD20102M00RHEPAT RES 2M OHM 1% 3/4W 2010 anti surge high power	R5, R6, R7, R8	RES_RD2010_MS	OMP-00030-112021045-1	4
CROM0803470K0FKEA	RES Thick Film, 470kΩ, 1%, 0.1W, 100ppm/°C, 0803	R9, R10, R11	FP-CROM0803-e3-IPC_A	OMP-2000-03370-2	3
KTR03E2F4702	Res Thick Film 0603 47kΩ 1% 0.1W ±100ppm/°C	R12	FP-KTR03-IPC_C	OMP-08839-030818-1	1
CFP0603B20KE1	RES SMD 20KΩ 0.1% 1/16W 0603	R13	FP-CFP0603-MFG	OMP-03211-006634-1	1
AD0603FR-071KL	RES 1kΩ 1.00% 0.1W 0603	R14	FP-AD0603-IPC_B	OMP-2000-04828-3	1
275VAC, 350VDC	WE-VDDisk Varistor, THT, 275VAC, 350VDC, 450pF	RV1	D16.5W6.7H42P1.3	820442711E	1
MCP1700T-3302ETT	Low Quiescent Current LDO, 3-Pin SOT-23, Extended Temperature, Tape and Reel	U1	SOT-23-1T3_L	OMP-0136-00788-1	1
MSP4302041TR4BR	IC MCU 16BIT 32KB FLASH 32VGN	U2	FP-RH-B0032M-MFG	OMP-04869-000074-1	1
696106003002	WR-FSH Pushholder THT Blocks PCB Clip Cover	XP1	696106003002	696106003002	1