

H11 H12 H13 H14
 H15 H16 H17 H18 H19 H20 H21 H22 H23 H24 H25 H26 H27 H28 H29 H30 H31 H32 H33 H34 H35 H36 H37 H38 H39 H40 H41 H42 H43 H44 H45 H46 H47 H48 H49 H50 H51 H52 H53 H54 H55 H56 H57 H58 H59 H60 H61 H62 H63 H64 H65 H66 H67 H68 H69 H70 H71 H72 H73 H74 H75 H76 H77 H78 H79 H80 H81 H82 H83 H84 H85 H86 H87 H88 H89 H90 H91 H92 H93 H94 H95 H96 H97 H98 H99 H100
 H101 H102 H103 H104 H105 H106 H107 H108 H109 H110 H111 H112 H113 H114 H115 H116 H117 H118 H119 H120 H121 H122 H123 H124 H125 H126 H127 H128 H129 H130 H131 H132 H133 H134 H135 H136 H137 H138 H139 H140 H141 H142 H143 H144 H145 H146 H147 H148 H149 H150 H151 H152 H153 H154 H155 H156 H157 H158 H159 H160 H161 H162 H163 H164 H165 H166 H167 H168 H169 H170 H171 H172 H173 H174 H175 H176 H177 H178 H179 H180 H181 H182 H183 H184 H185 H186 H187 H188 H189 H190 H191 H192 H193 H194 H195 H196 H197 H198 H199 H200

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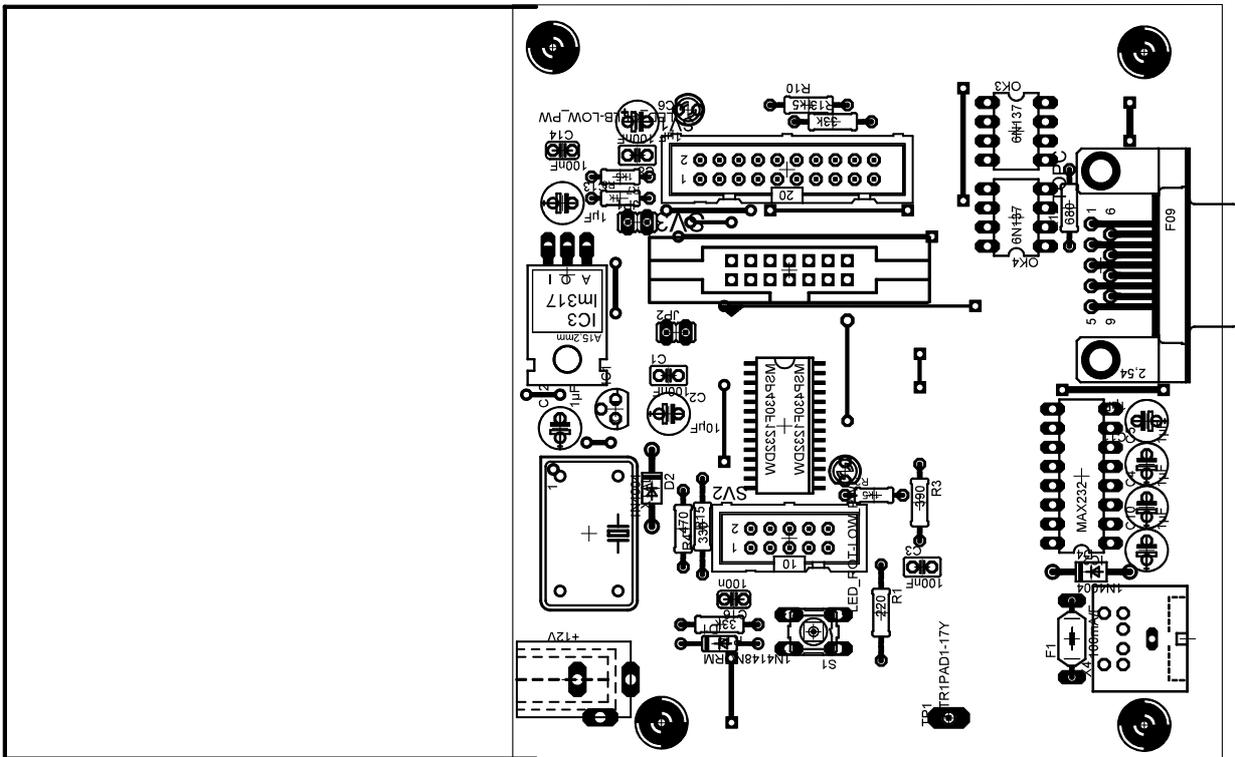
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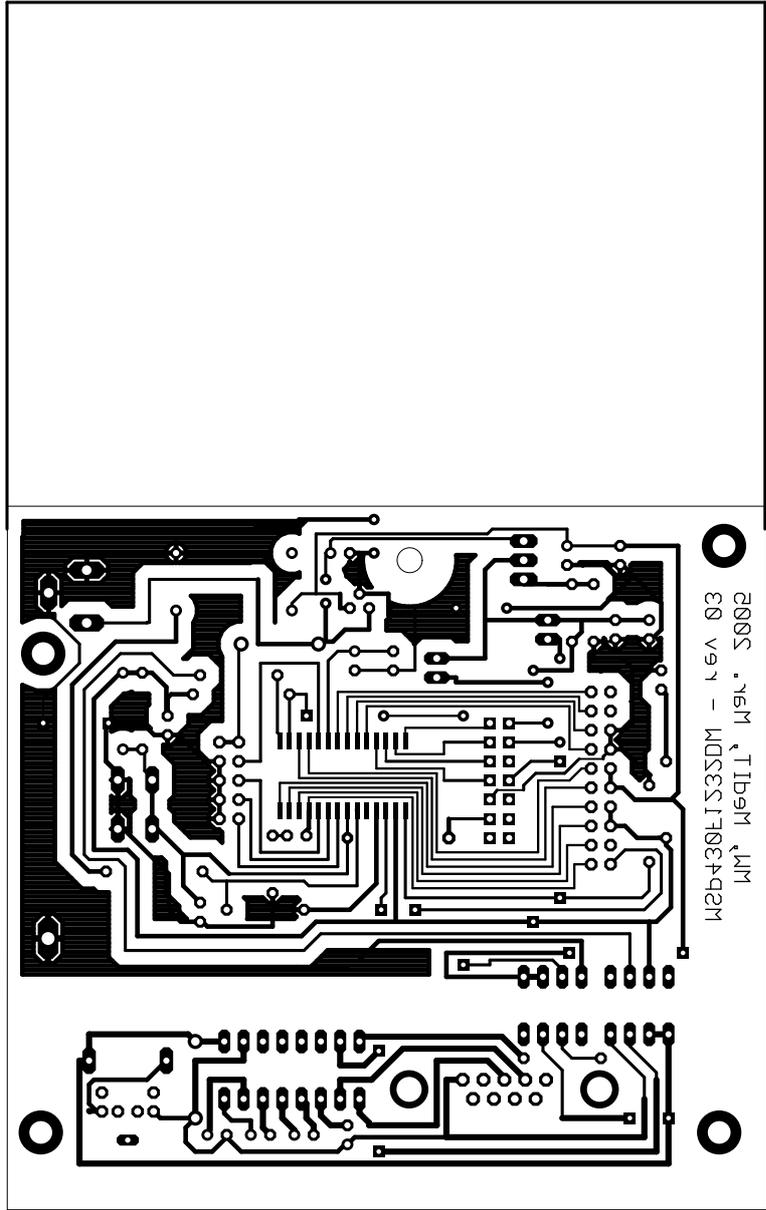
Partlist

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Part	Value	Device	Library
+12V	POWERCON	POWERCON	Medit
C1	100nF	C-EU025-025X050	rcl
C2	10µF	CPOL-EUE2,5-6E	rcl
C3	100nF	C-EU025-025X050	rcl
C4	1µF	CPOL-EUE2,5-6E	rcl
C5	1µF	CPOL-EUE2,5-6E	rcl
C6	1µF	CPOL-EUE2.5-6	rcl
C8	100nF	C-EU025-025X050	rcl
C10	1µF	CPOL-EUE2,5-6E	rcl
C11	1µF	CPOL-EUE2,5-6E	rcl
C12	1µF	CPOL-EUE2,5-6E	rcl
C13	1µF	CPOL-EUE2,5-6E	rcl
C14	100nF	C-EU025-024X044	rcl
C16	100n	C-EU025-024X044	rcl
D1	1N4148NORM	1N4148NORM	diode
D2	1N4004	1N4004	diode
D4	1N4004	1N4004	diode
F1	100mA/F	LITTLEFUSE	fuse
H1	MOUNT-PAD-ROUND3.0	MOUNT-PAD-ROUND3.0	holes
H2	MOUNT-PAD-ROUND3.0	MOUNT-PAD-ROUND3.0	holes
H3	MOUNT-PAD-ROUND3.0	MOUNT-PAD-ROUND3.0	holes
H4	MOUNT-PAD-ROUND3.0	MOUNT-PAD-ROUND3.0	holes
IC1		78LXX	v-reg
IC2	MAX232	MAX232	maxim
IC3	lm317	LM317TL	v-reg
JP1		JP1E	jumper
JP2		JP1E	jumper
LED_GELB-LOW_PW		LED3MM	led
LED_ROT-LOW_PW		LED3MM	led
MSP430F1232DW	MSP430F1232DW	MSP430F1232DW	msp430
OK3	6N137	6N137	optocoupler
OK4	6N137	6N137	optocoupler
R1	220	R-EU_0207/12	rcl
R2	1k5	R-EU_0204/7	rcl
R3	390	R-EU_0207/10	rcl
R4	330	R-EU_0207/12	rcl
R7	1k5	R-EU_0204/7	rcl
R8	1k	R-EU_0204/7	rcl
R10	1k5	R-EU_0207/10	rcl
R12	680	R-EU_0207/10	rcl
R13	33k	R-EU_0207/10	rcl
R14	33k	R-EU_0207/10	rcl
R15	470	R-EU_0207/10	rcl
S1		10-XX	switch-omron
SV1		ML20	con-ml
SV2		ML10	con-ml
SV3		ML14-3M	con-ml
TOPC		F09HP	con-subd
TP1	PTR1PAD1-17Y	PTR1PAD1-17Y	testpad
X4		MD06S	con-yamaichi
XTAL		XO-14	crystal





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M³ KEGIT, WSA, S002