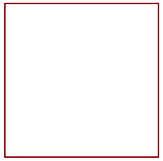
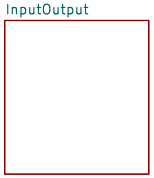
Cross



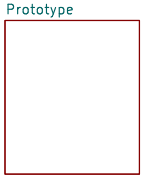
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InputOutput



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Prototype



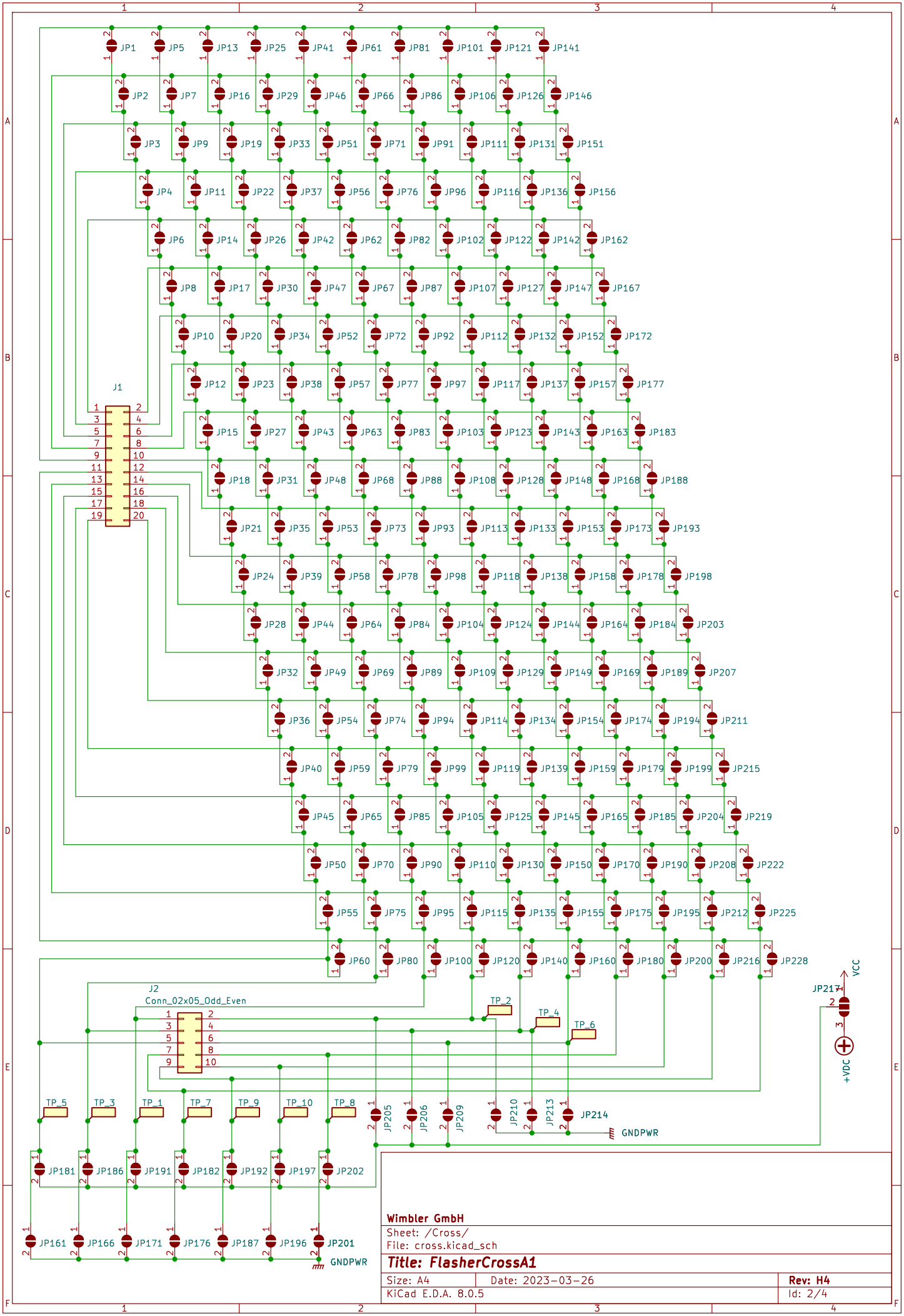
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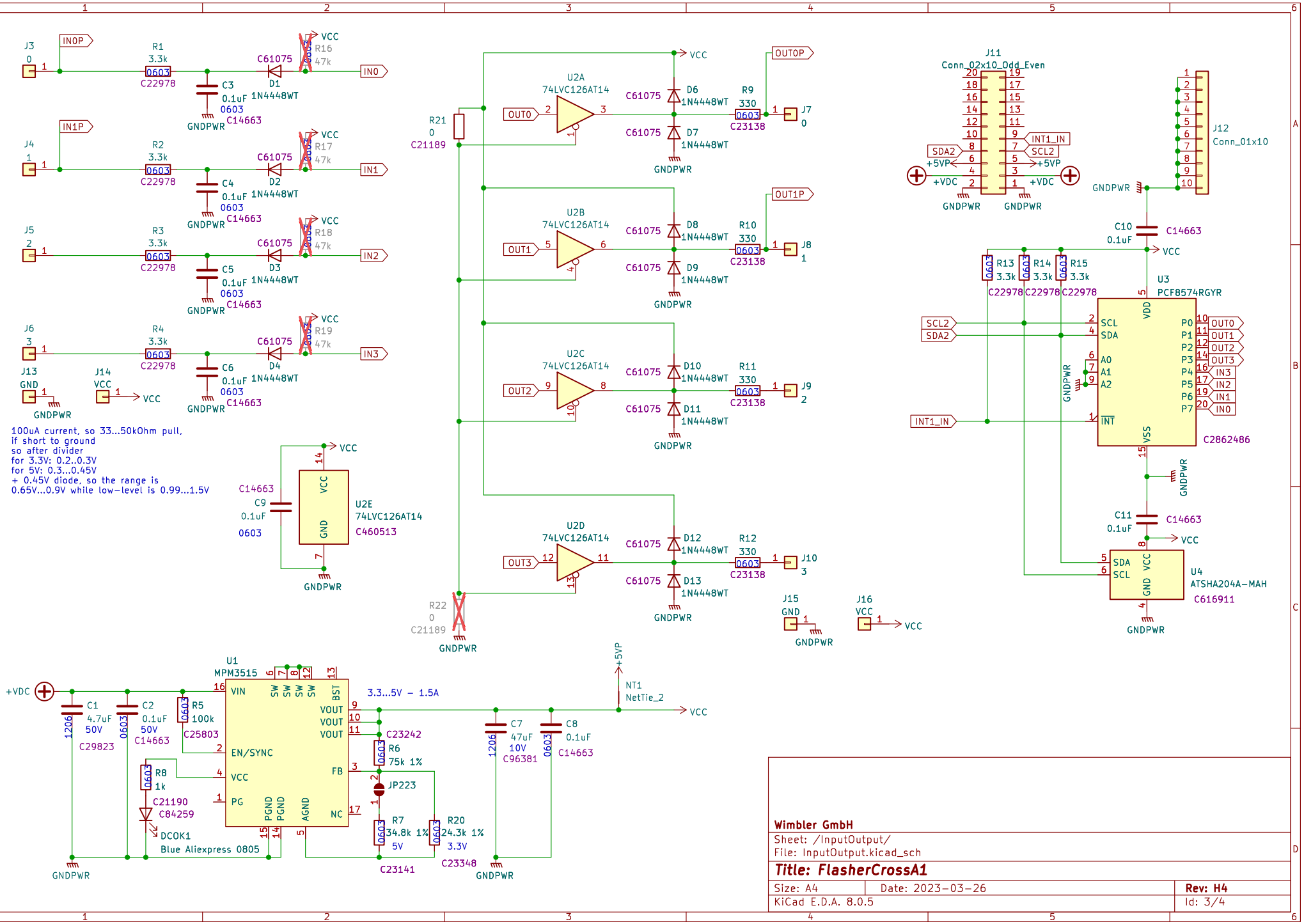
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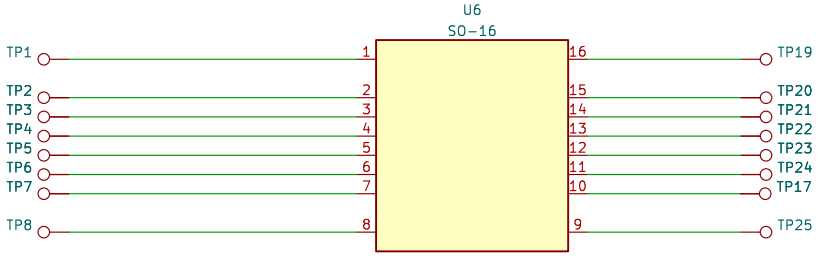
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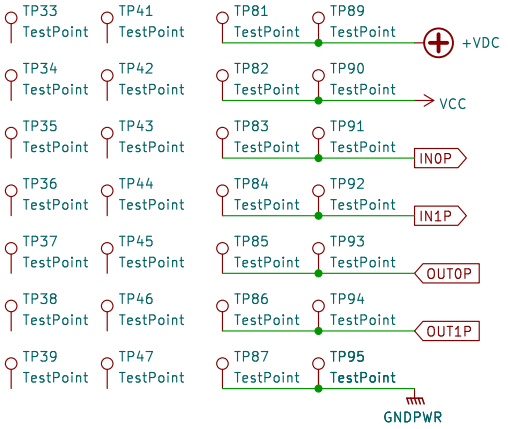
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JP1 JP5 JP13 JP25 JP41 JP61 JP81 JP101 JP121 JP141
JP2 JP7 JP16 JP29 JP46 JP66 JP86 JP106 JP126 JP146
JP3 JP9 JP19 JP33 JP51 JP71 JP91 JP111 JP131 JP151
JP4 JP11 JP22 JP37 JP56 JP76 JP96 JP116 JP136 JP156
JP6 JP14 JP26 JP42 JP62 JP82 JP102 JP122 JP142 JP162
JP8 JP17 JP30 JP47 JP67 JP87 JP107 JP127 JP147 JP167
JP10 JP20 JP34 JP52 JP72 JP92 JP112 JP132 JP152 JP172
JP12 JP23 JP38 JP57 JP77 JP97 JP117 JP137 JP157 JP177
JP15 JP27 JP43 JP63 JP83 JP103 JP123 JP143 JP163 JP183
JP18 JP31 JP48 JP68 JP88 JP108 JP128 JP148 JP168 JP188
JP21 JP35 JP53 JP73 JP93 JP113 JP133 JP153 JP173 JP193
JP24 JP39 JP58 JP78 JP98 JP118 JP138 JP158 JP178 JP198
JP28 JP44 JP64 JP84 JP104 JP124 JP144 JP164 JP184 JP203
JP32 JP49 JP69 JP89 JP109 JP129 JP149 JP169 JP189 JP207
JP36 JP54 JP74 JP94 JP114 JP134 JP154 JP174 JP194 JP211
JP40 JP59 JP79 JP99 JP119 JP139 JP159 JP179 JP199 JP215
JP45 JP65 JP85 JP105 JP125 JP145 JP165 JP185 JP204 JP219
JP50 JP70 JP90 JP110 JP130 JP150 JP170 JP190 JP208 JP222
JP55 JP75 JP95 JP115 JP135 JP155 JP175 JP195 JP212 JP225
JP60 JP80 JP100 JP120 JP140 JP160 JP180 JP200 JP216 JP228
J1
J2
Conn_02x05_Odd_Even
TP_1 TP_2 TP_3 TP_4 TP_5 TP_6 TP_7 TP_8 TP_9 TP_10
JP181 JP186 JP191 JP182 JP192 JP197 JP202
JP161 JP166 JP171 JP176 JP187 JP196 JP201
JP205 JP206 JP209 JP210 JP213 JP214
JP217
VCC
+VDC
GNDPWR
GNDPWR
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Title: FlasherCrossA1
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J3
IN0P
R1
3.3k
C22978
C3
0.1uF
C14663
C61075
D1
1N4448WT
R16
47k
IN0
J4
IN1P
R2
C4
D2
R17
IN1
J5
R3
C5
D3
R18
IN2
J6
R4
C6
D4
R19
IN3
J13
GND
J14
VCC
GNDPWR
100uA current, so 33...50kOhm pull,
if short to ground
so after divider
for 3.3V: 0.2..0.3V
for 5V: 0.3...0.45V
+ 0.45V diode, so the range is
0.65V...0.9V while low-level is 0.99...1.5V
U2E
74LVC126AT14
C460513
C9
U2A
U2B
U2C
U2D
D6
D7
D8
D9
D10
D11
D12
D13
R9
R10
R11
R12
330
C23138
OUT0P
OUT1P
J7
J8
J9
J10
R21
C21189
R22
J15
J16
J11
Conn_02x10_Odd_Even
SDA2
SCL2
INT1_IN
+5VP
+VDC
J12
Conn_01x10
C10
C11
U3
PCF8574RGYR
C2862486
U4
ATSHA204A-MAH
C616911
U1
MPM3515
3.3...5V - 1.5A
C1
4.7uF
50V
C29823
C2
C25803
R5
100k
R8
1k
C21190
C84259
DCOK1
Blue Aliexpress 0805
C23242
R6
75k 1%
JP223
R7
34.8k 1%
5V
R20
24.3k 1%
3.3V
C23348
C23141
C7
47uF
10V
C96381
C8
NT1
NetTie_2
Wimbler GmbH
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Title: FlasherCrossA1
Size: A4
Date: 2023-03-26
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