

# PUCKLEDTUR\_D

LIS A.Klaptocz

Phone:

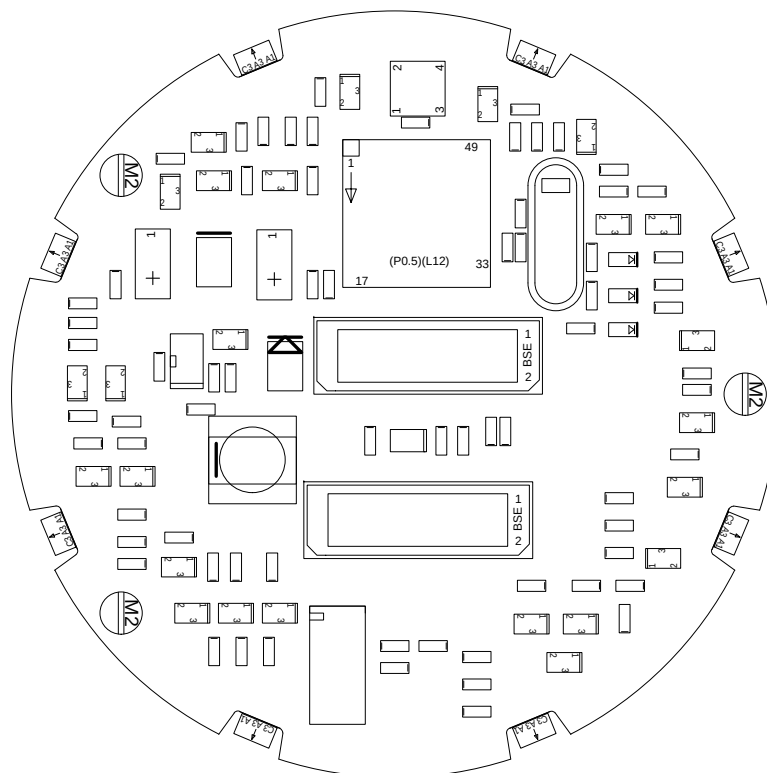
Mon Jan 29 16:40:04 MET 2007

MFG\_DATE: 29.01.2007

QUANTITY: 35

SOLDERMASK: mtop mbot

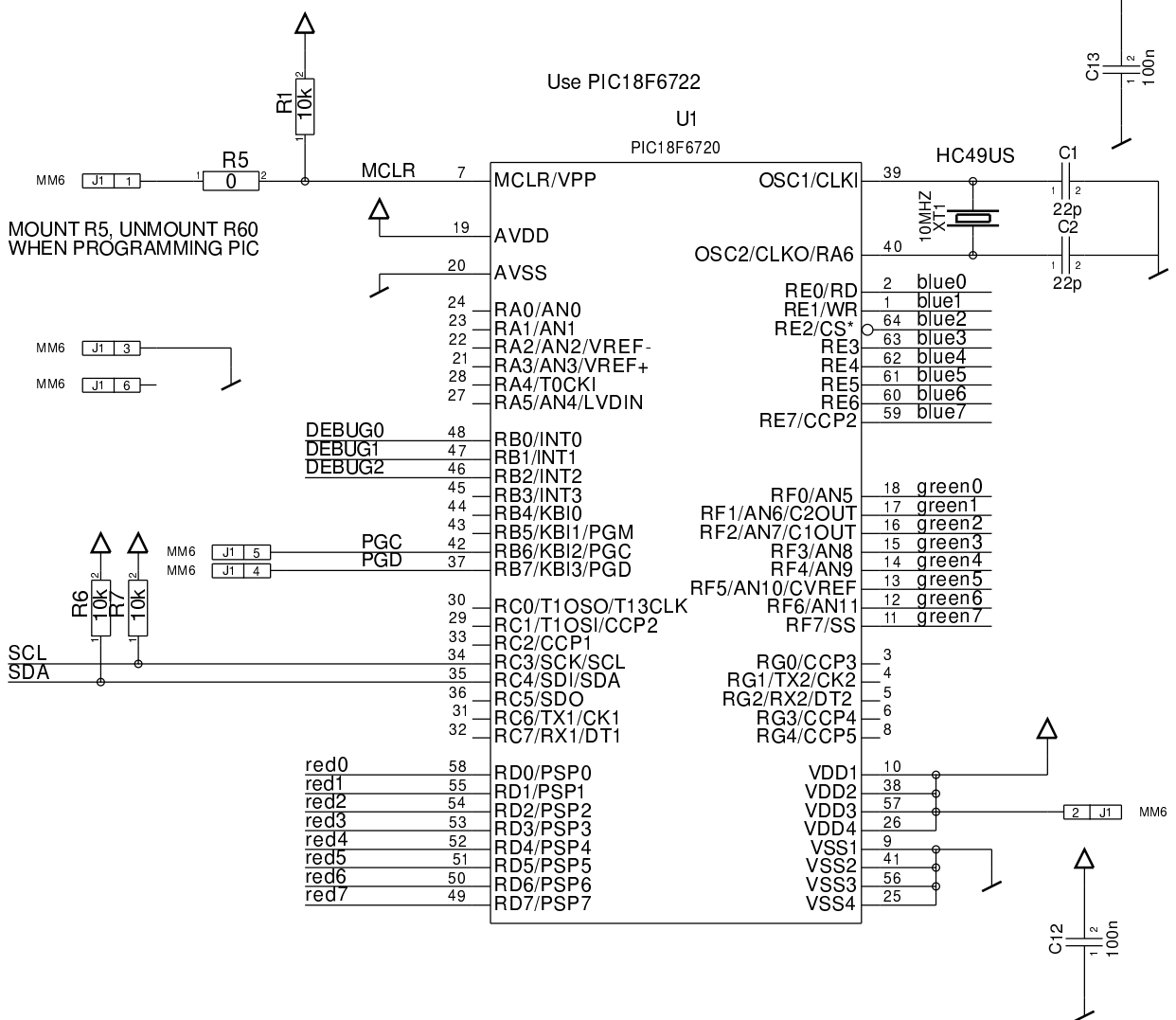
MATERIAL: FR4 : 1.6 mm



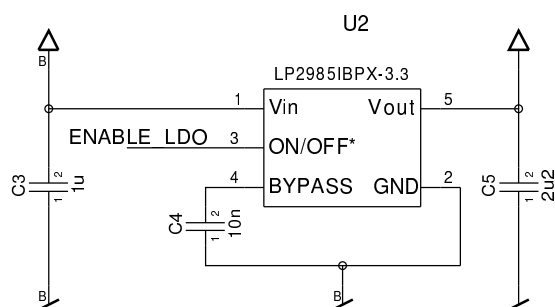
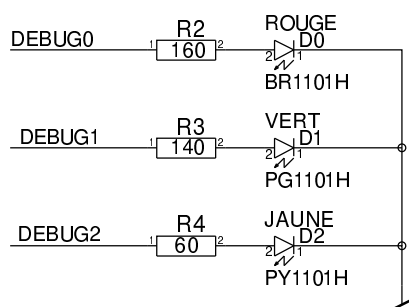
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| Etch                   | 9       |
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# PIC PROGRAMMING CONNECTION

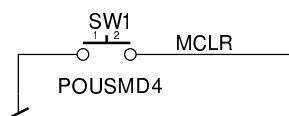


## Optional 3 Debug LEDs



## One-point connection

## Reset Button



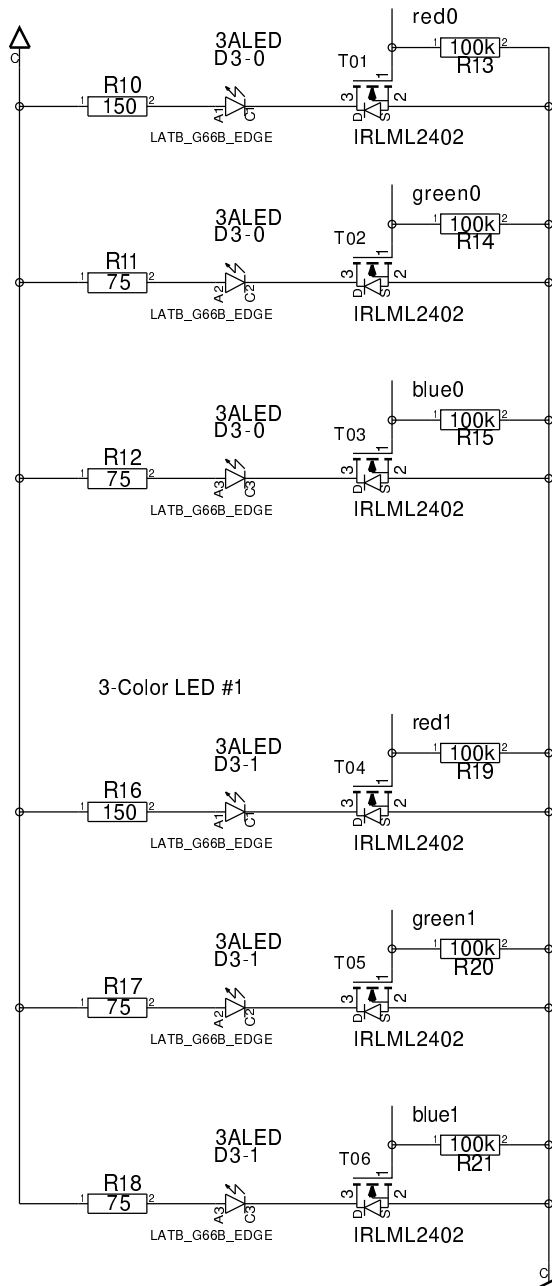
DRAWING  
PUCKLEDTUR (Control)

DATE:  
Thu Jan 25 14:45:23 2007

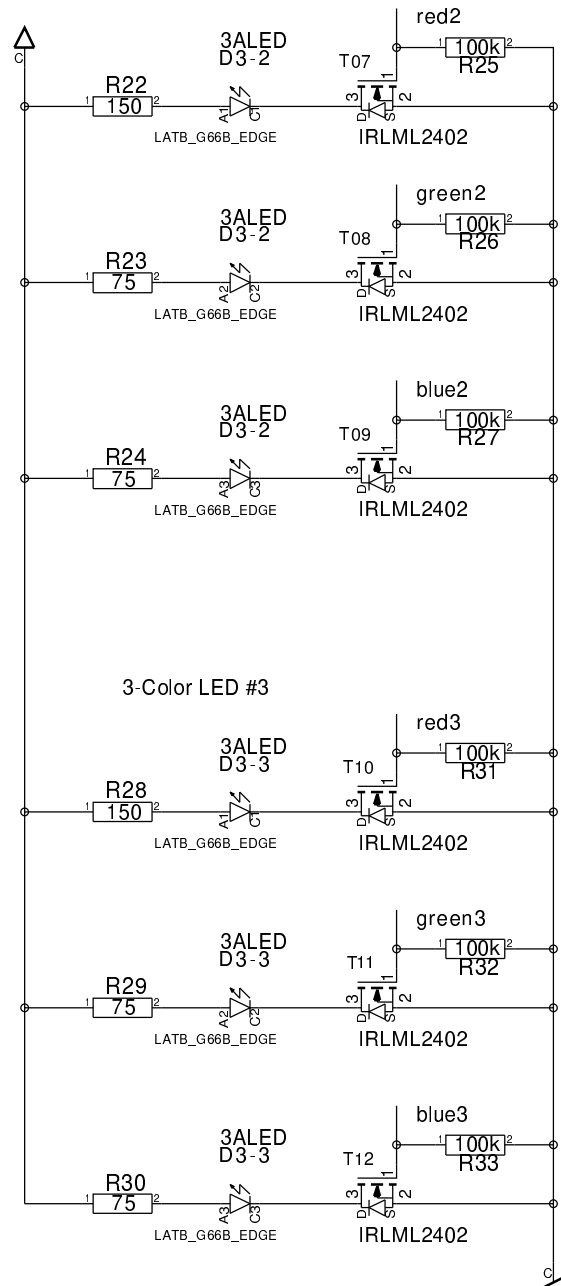
ENGINEER:  
AK

PAGE: 1/1  
acort cuser

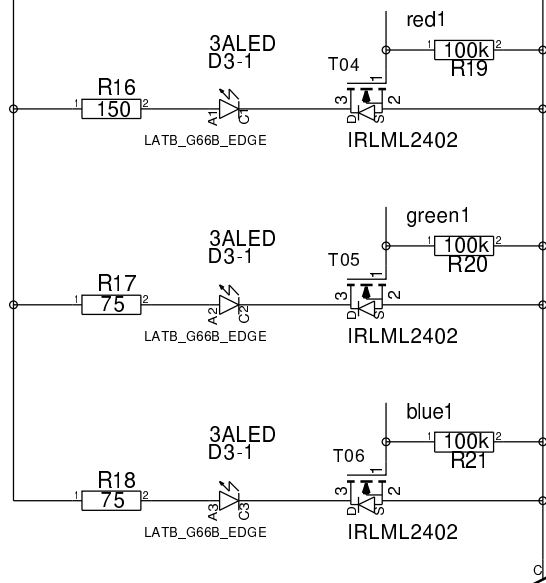
3-Color LED #0



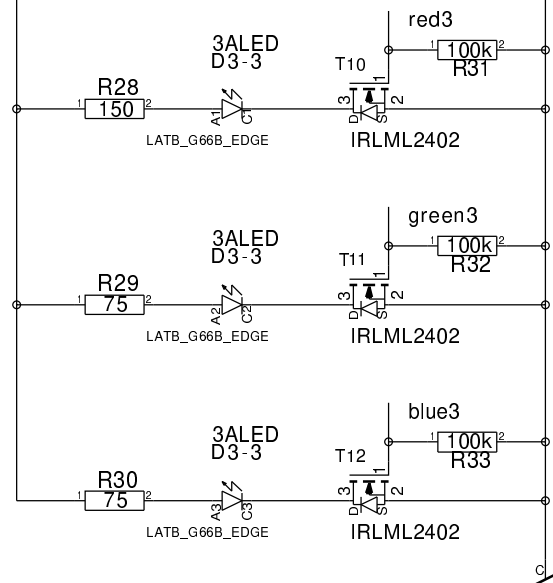
3-Color LED #2



3-Color LED #1



3-Color LED #3



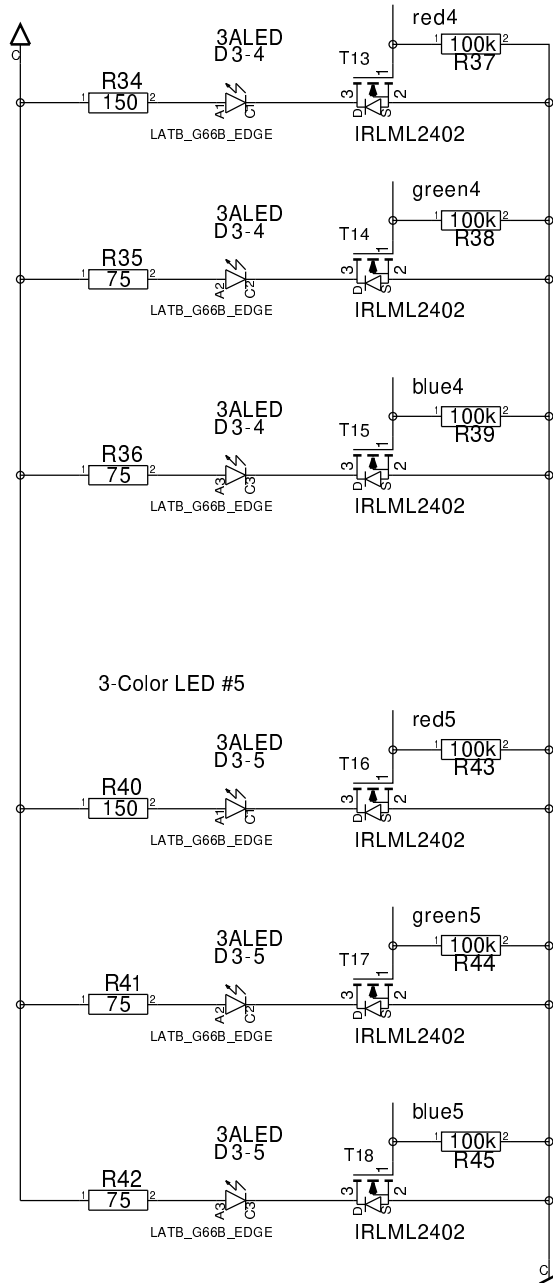
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PUCKLEDTUR (LEDs 1)

DATE:  
Thu Jan 25 14:45:23 2007

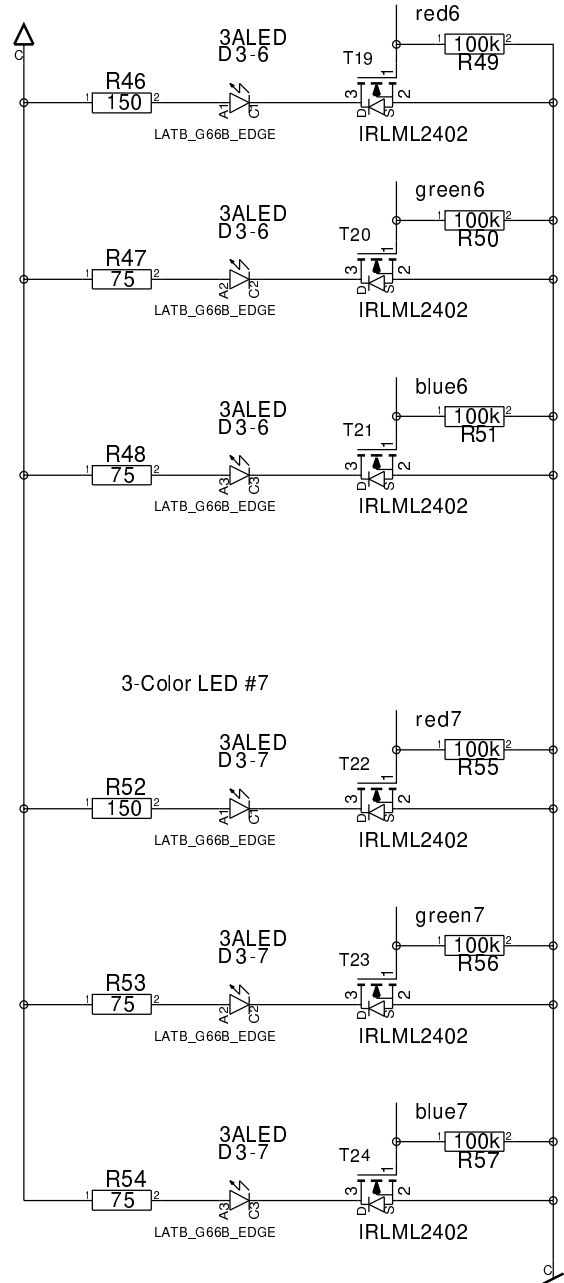
ENGINEER:  
AK

PAGE: 1/1  
acort cuser

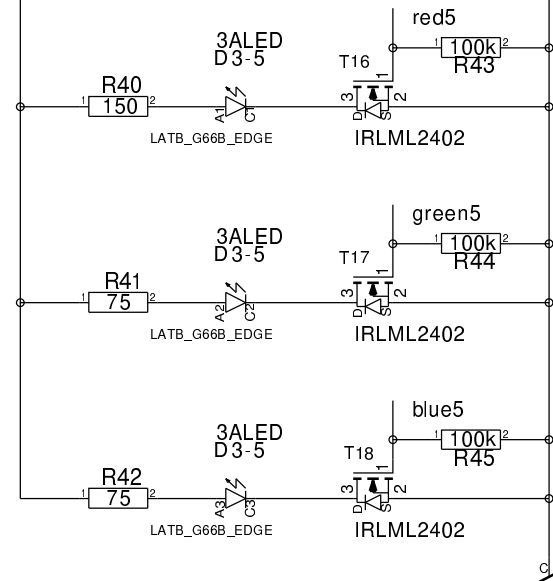
3-Color LED #4



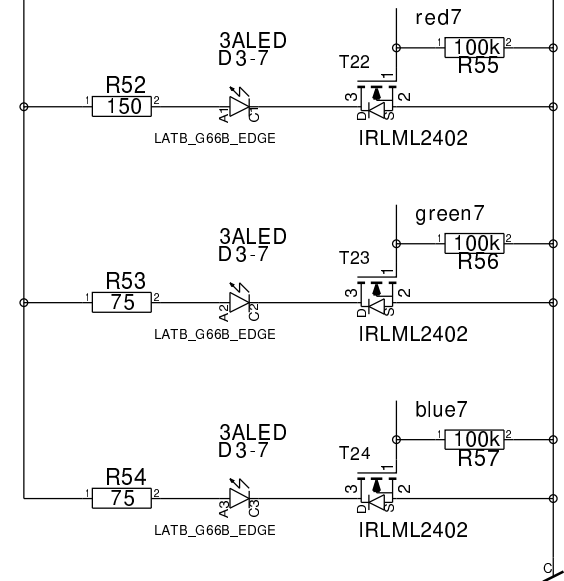
3-Color LED #6



3-Color LED #5



3-Color LED #7



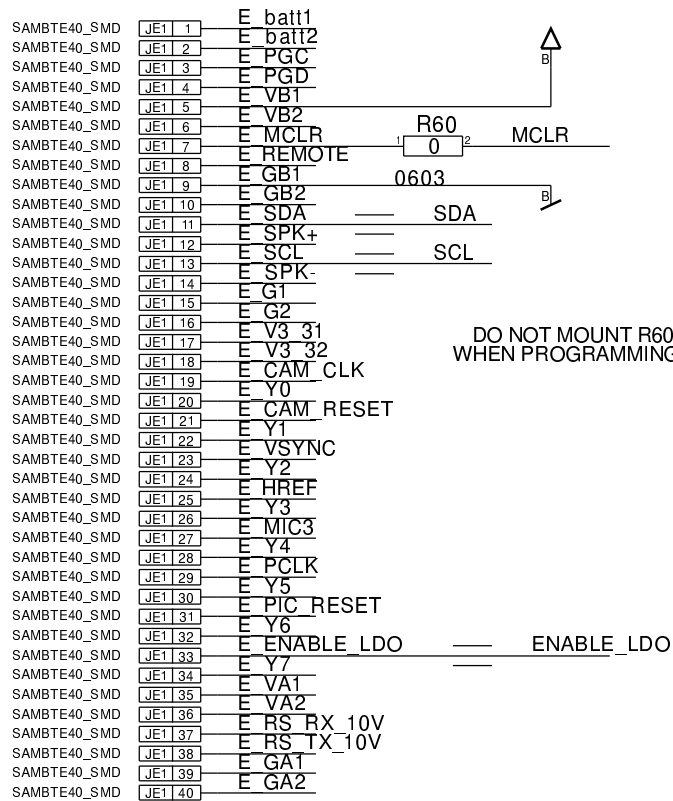
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PUCKLEDTUR (LEDs 2)

DATE:  
Thu Jan 25 14:45:24 2007

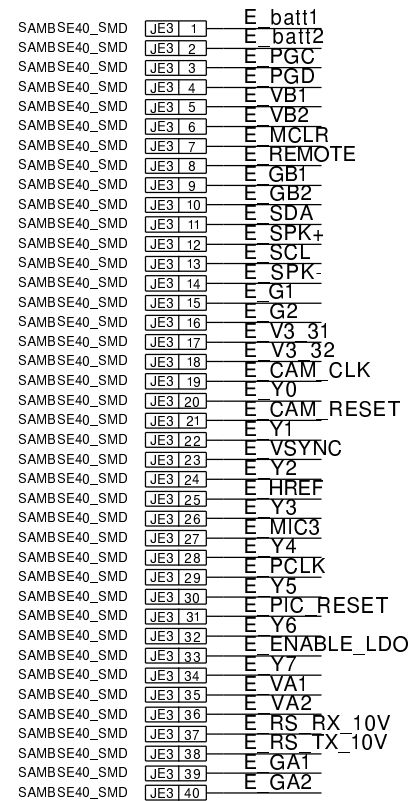
ENGINEER:  
AK

PAGE: 1/1  
acort cuser

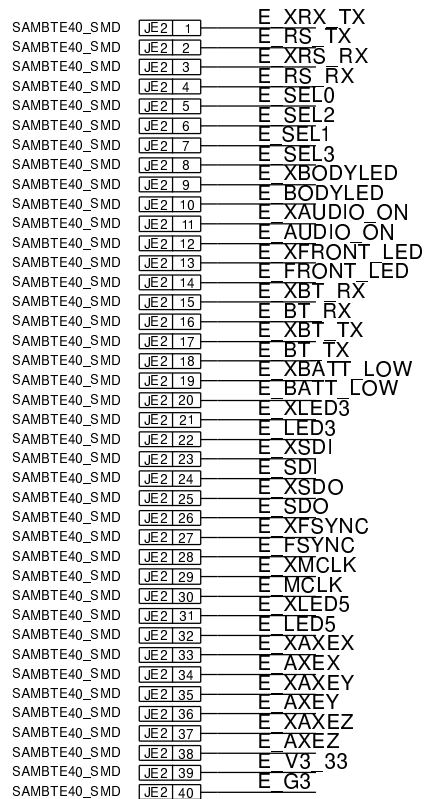
## MECH SUPPORT - BOT (TO PIC)



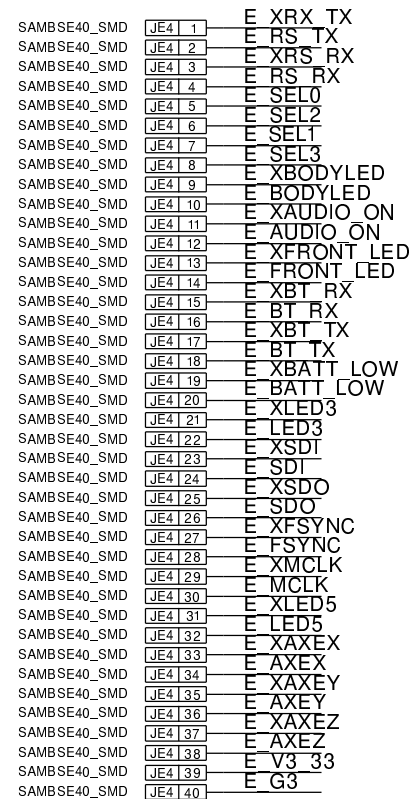
## MECH SUPPORT - TOP (TO NEXT TURRET)



## JUMPER - BOT (TO PIC)



## JUMPER - TOP (TO NEXT TURRET)

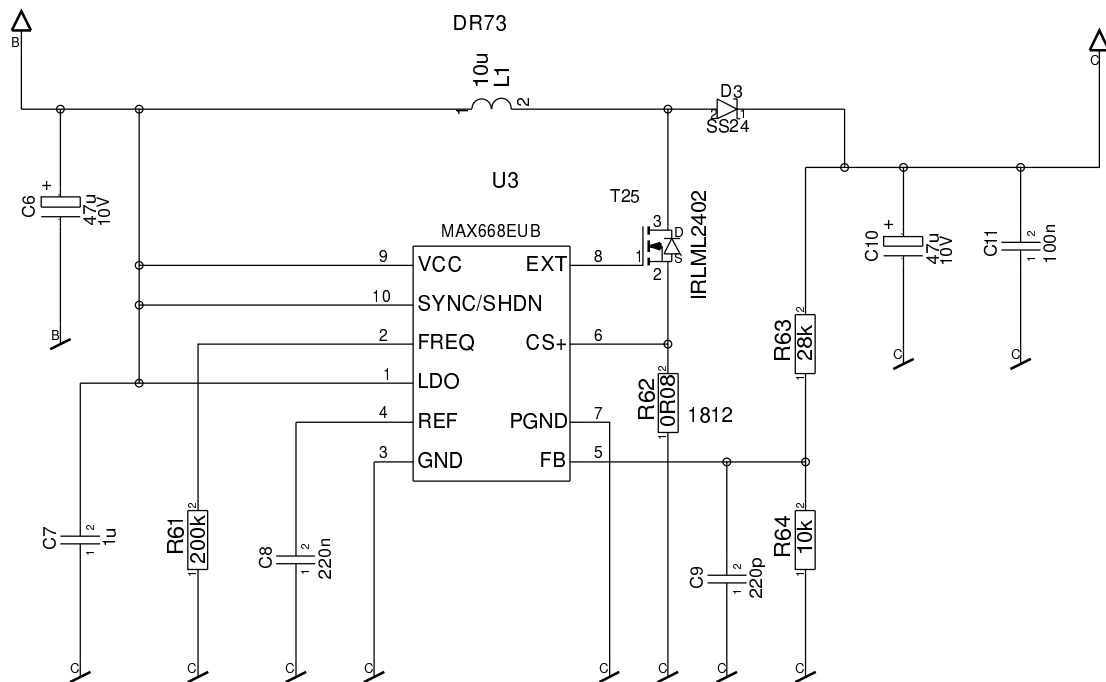


DRAWING  
PUCKLEDTUR (connector)

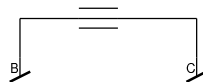
DATE:  
Thu Jan 25 14:45:25 2007

ENGINEER:  
AK

PAGE: 1/1  
acort cuser



One-point connection



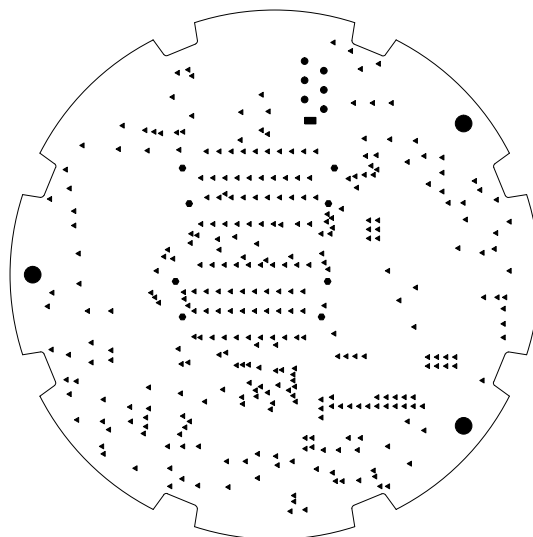
|                          |             |
|--------------------------|-------------|
| DRAWING                  | ENGINEER:   |
| PUCKLEDTUR (boost)       | AK          |
| DATE:                    | PAGE: 1/1   |
| Thu Jan 25 14:45:25 2007 | acort cuser |

# Signal Page Ref PUCKLEDTUR\_D

puckledtur

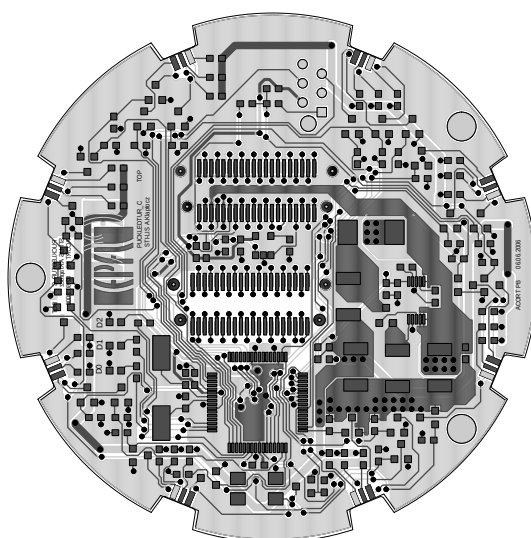
Mon Jan 29 16:40:05 MET 2007

| Ref Des      | Pages | Ref Des                 | Pages |
|--------------|-------|-------------------------|-------|
| blue0        | 1 2   | E_SPK-                  | 4 4   |
| blue1        | 1 2   | E_V3_31                 | 4 4   |
| blue2        | 1 2   | E_V3_32                 | 4 4   |
| blue3        | 1 2   | E_V3_33                 | 4 4   |
| blue4        | 1 3   | E_VA1                   | 4 4   |
| blue5        | 1 3   | E_VA2                   | 4 4   |
| blue6        | 1 3   | E_VB1                   | 4 4   |
| blue7        | 1 3   | E_VB2                   | 4 4   |
| DEBUG0       | 1 1   | E_VSYNC                 | 4 4   |
| DEBUG1       | 1 1   | E_XAUDIO_ON             | 4 4   |
| DEBUG2       | 1 1   | E_XAXEX                 | 4 4   |
| ENABLE_LDO   | 1 4   | E_XAXEY                 | 4 4   |
| E_AUDIO_ON   | 4 4   | E_XAXEZ                 | 4 4   |
| E_AXEX       | 4 4   | E_XBATT_LOW             | 4 4   |
| E_AXEY       | 4 4   | E_XBODYLED              | 4 4   |
| E_AXEZ       | 4 4   | E_XBT_RX                | 4 4   |
| E_batt1      | 4 4   | E_XBT_TX                | 4 4   |
| E_batt2      | 4 4   | E_XFRONT_LED            | 4 4   |
| E_BATT_LOW   | 4 4   | E_XFSYNC                | 4 4   |
| E_BODYLED    | 4 4   | E_XLED3                 | 4 4   |
| E_BT_RX      | 4 4   | E_XLED5                 | 4 4   |
| E_BT_TX      | 4 4   | E_XMCLK                 | 4 4   |
| E_CAM_CLK    | 4 4   | E_XRS_RX                | 4 4   |
| E_CAM_RESET  | 4 4   | E_XRX_TX                | 4 4   |
| E_ENABLE_LDO | 4 4   | E_XSDI                  | 4 4   |
| E_FRONT_LED  | 4 4   | E_XSDO                  | 4 4   |
| E_FSYNC      | 4 4   | E_Y0                    | 4 4   |
| E_G1         | 4 4   | E_Y1                    | 4 4   |
| E_G2         | 4 4   | E_Y2                    | 4 4   |
| E_G3         | 4 4   | E_Y3                    | 4 4   |
| E_GA1        | 4 4   | E_Y4                    | 4 4   |
| E_GA2        | 4 4   | E_Y5                    | 4 4   |
| E_GB1        | 4 4   | E_Y6                    | 4 4   |
| E_GB2        | 4 4   | E_Y7                    | 4 4   |
| E_HREF       | 4 4   | green0                  | 1 2   |
| E_LED3       | 4 4   | green1                  | 1 2   |
| E_LED5       | 4 4   | green2                  | 1 2   |
| E_MCLK       | 4 4   | green3                  | 1 2   |
| E_MCLR       | 4 4   | green4                  | 1 3   |
| E_MIC3       | 4 4   | green5                  | 1 3   |
| E_PCLK       | 4 4   | green6                  | 1 3   |
| E_PGC        | 4 4   | green7                  | 1 3   |
| E_PGD        | 4 4   | MCLR                    | 1 1 4 |
| E_PIC_RESET  | 4 4   | PGC                     | 1     |
| E_REMOTE     | 4 4   | PGD                     | 1     |
| E_RS_RX      | 4 4   | red0                    | 1 2   |
| E_RS_RX_10V  | 4 4   | red1                    | 1 2   |
| E_RS_TX      | 4 4   | red2                    | 1 2   |
| E_RS_TX_10V  | 4 4   | red3                    | 1 2   |
| E_SCL        | 4 4   | red4                    | 1 3   |
| E_SDA        | 4 4   | red5                    | 1 3   |
| E_SDI        | 4 4   | red6                    | 1 3   |
| E_SDO        | 4 4   | red7                    | 1 3   |
| E_SEL0       | 4 4   | SCL                     | 1 4   |
| E_SEL1       | 4 4   | SDA                     | 1 4   |
| E_SEL2       | 4 4   | Total Signals count 113 |       |
| E_SEL3       | 4 4   |                         |       |
| E_SPK+       | 4 4   |                         |       |



| DRILL CHART |       |            |     |  |
|-------------|-------|------------|-----|--|
| FIGURE      | SIZE  | PLATED     | QTY |  |
| .           | 0.203 | PLATED     | 333 |  |
| •           | 0.787 | PLATED     | 6   |  |
| ■           | 1.499 | PLATED     | 1   |  |
| ●           | 2.2   | PLATED     | 3   |  |
| •           | 0.9   | NOT PLATED | 8   |  |





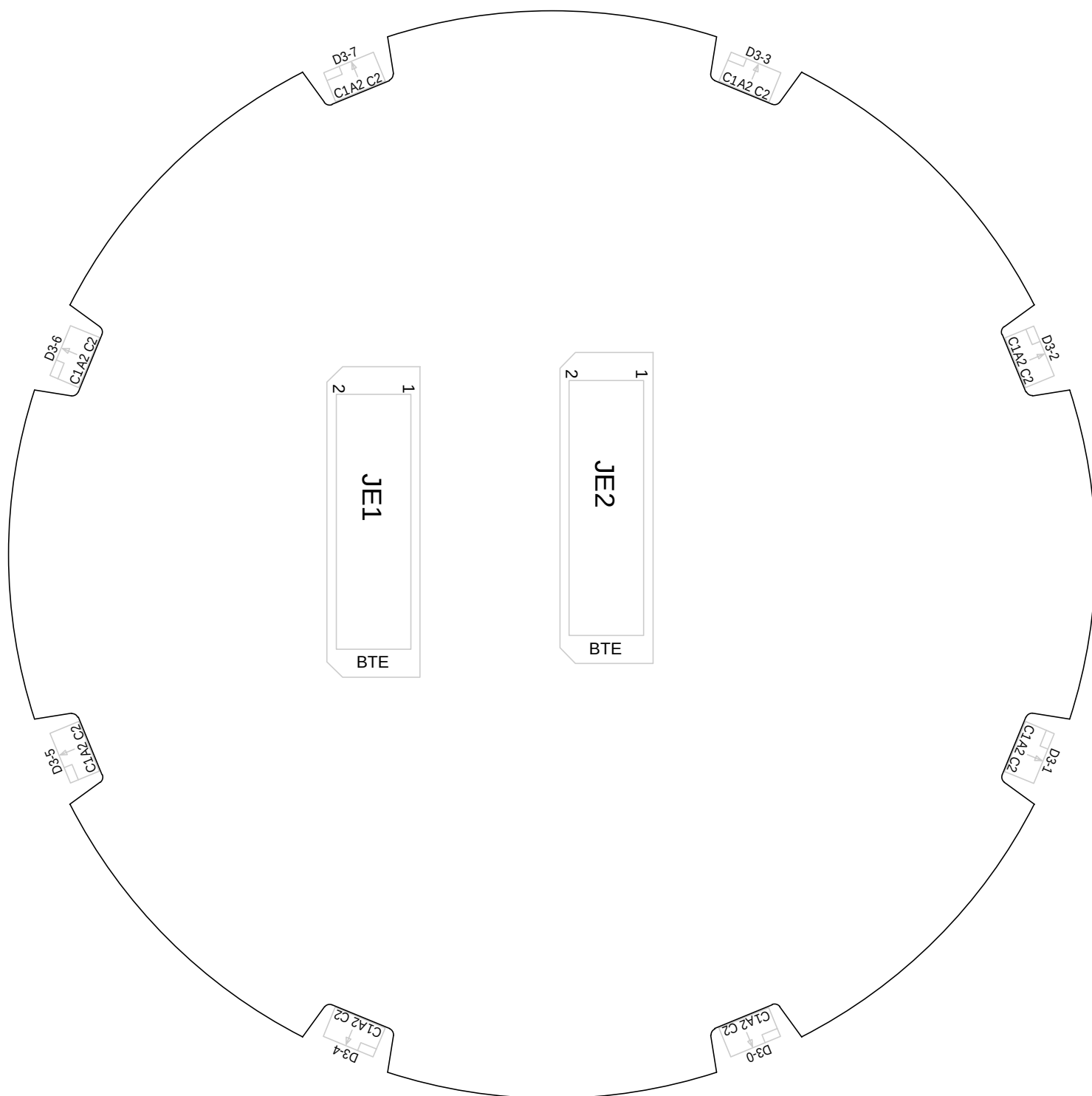
TITRE:PUCKLEDTUR

LABORATOIRE:STI-LIS

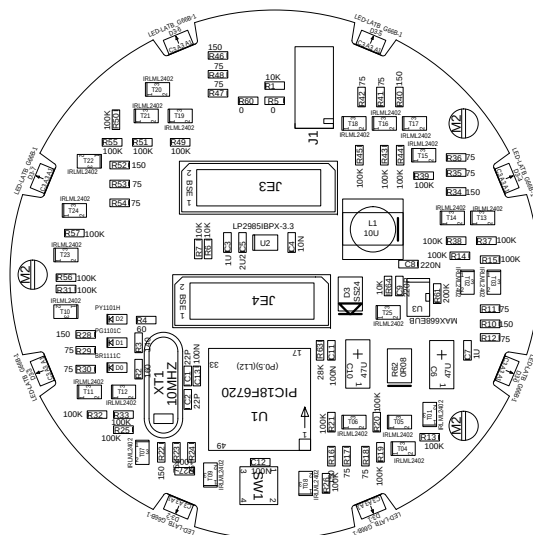
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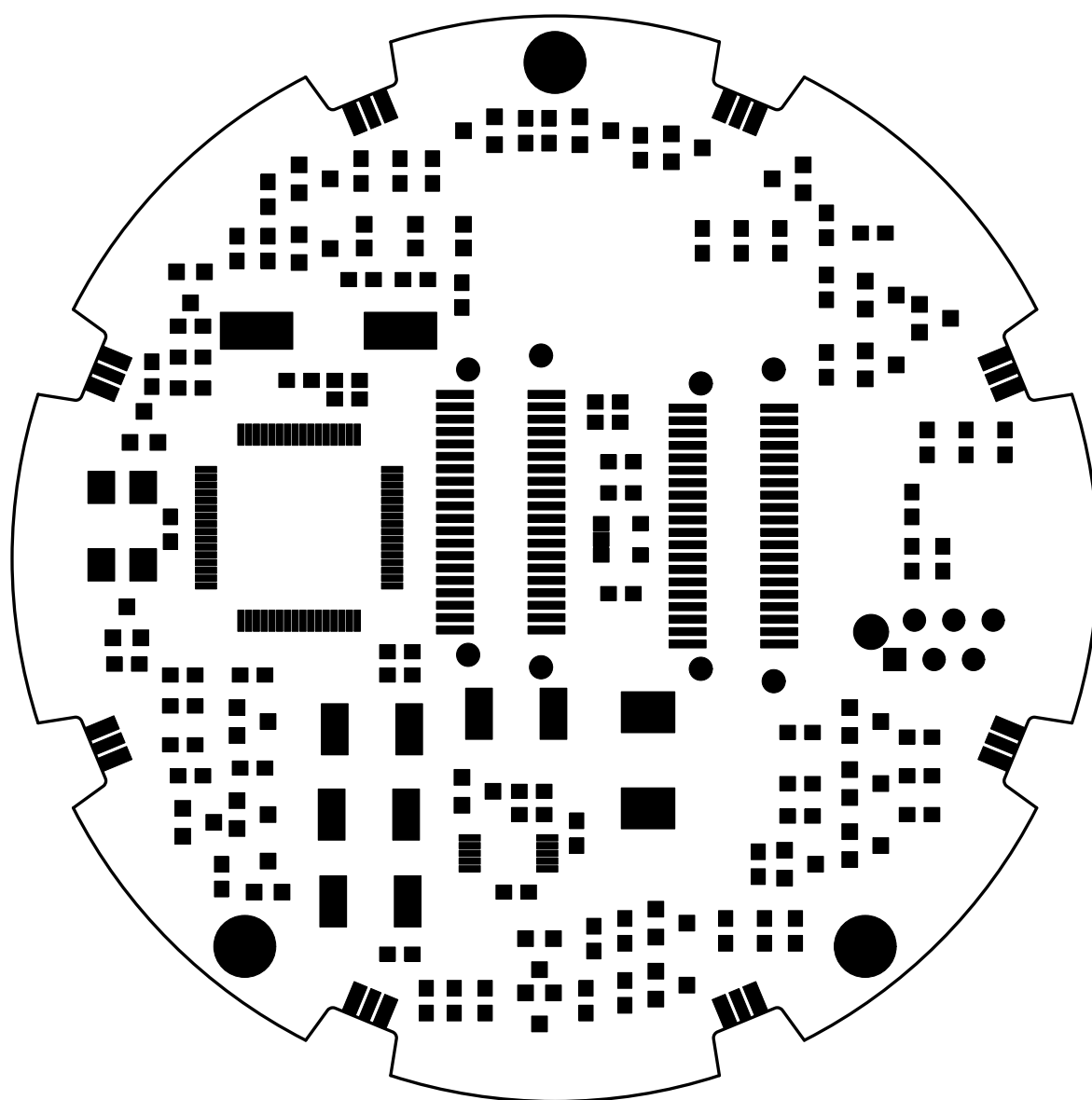
ENGINEER:A.Klaptocz

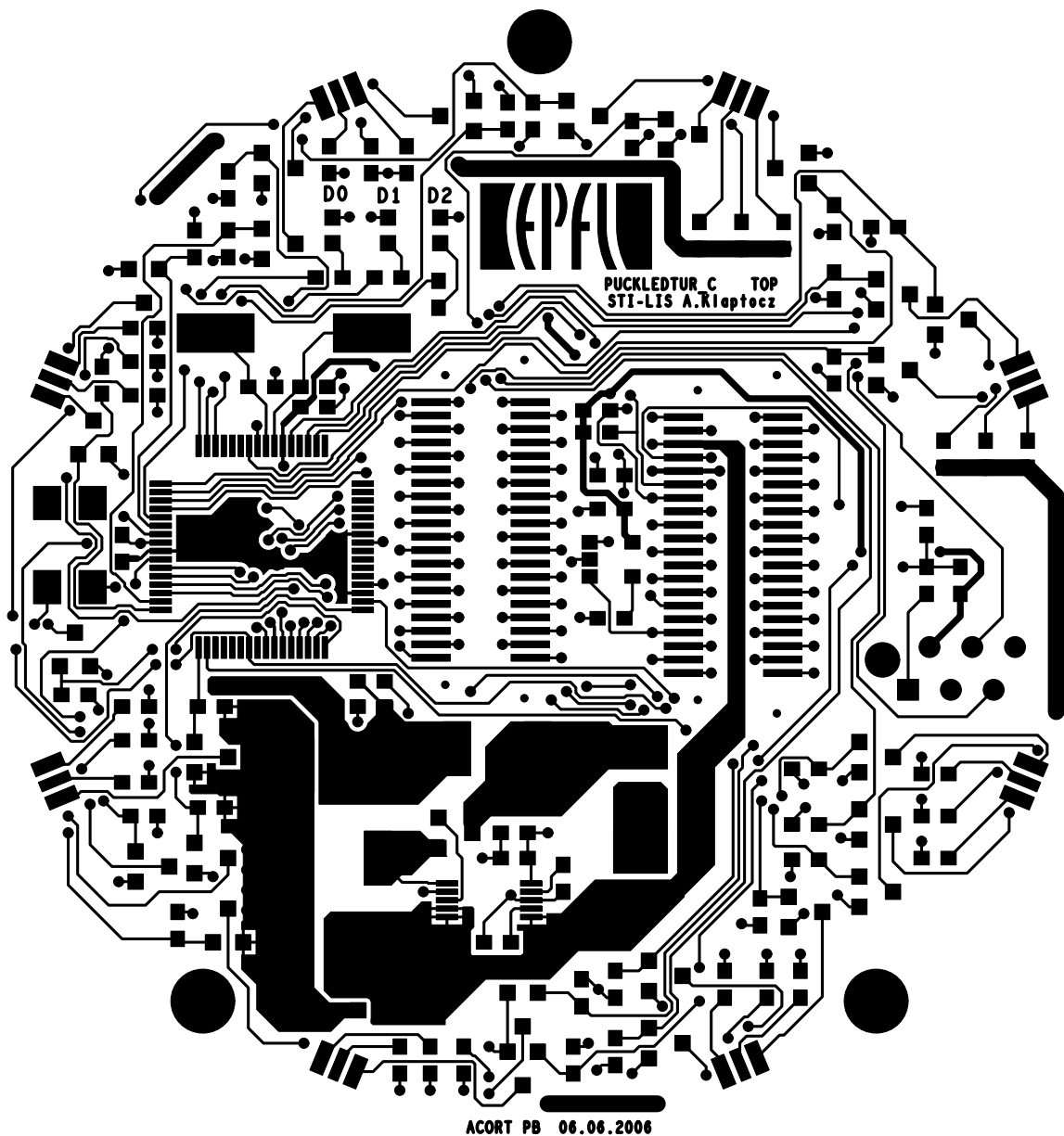
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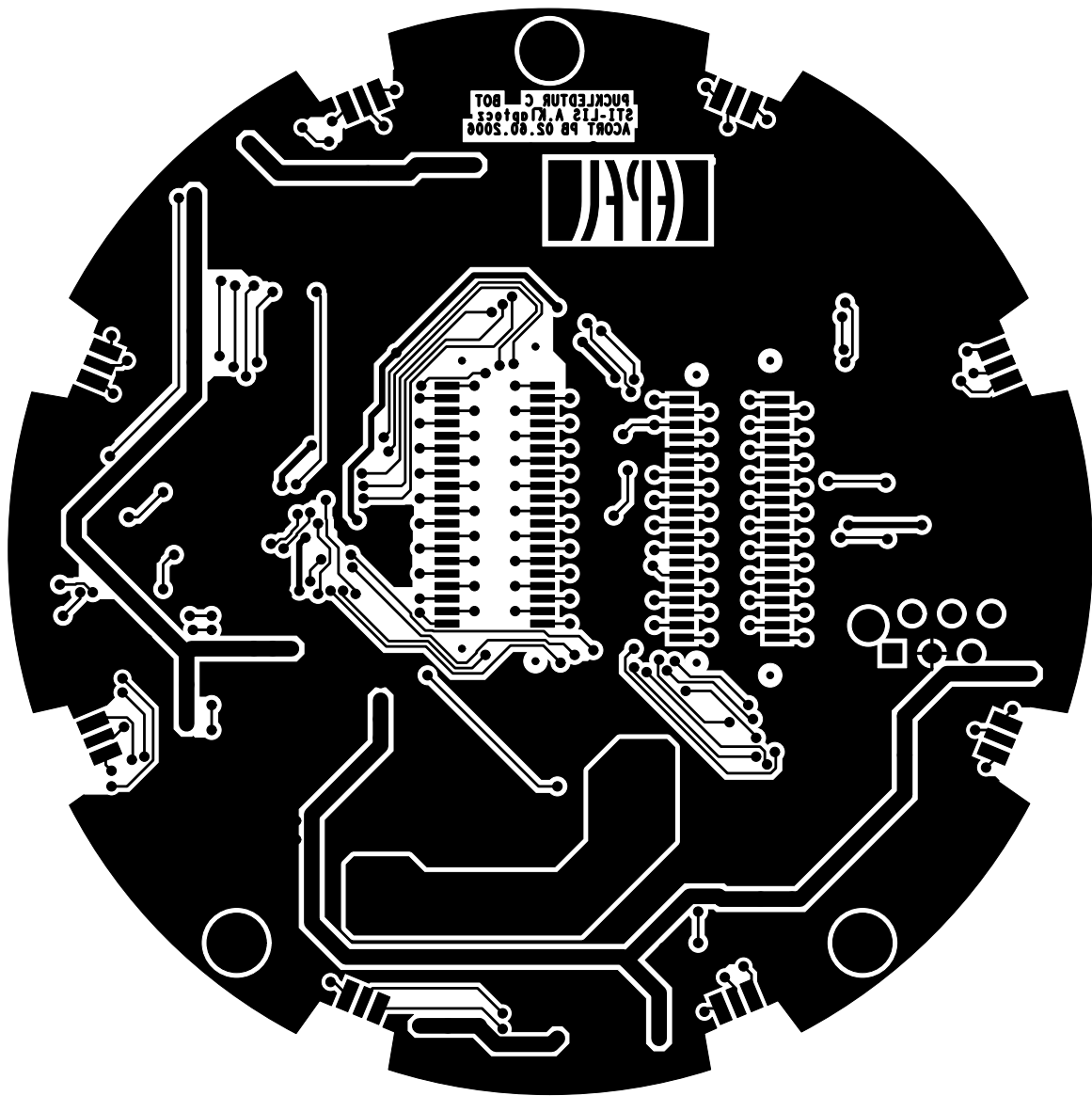


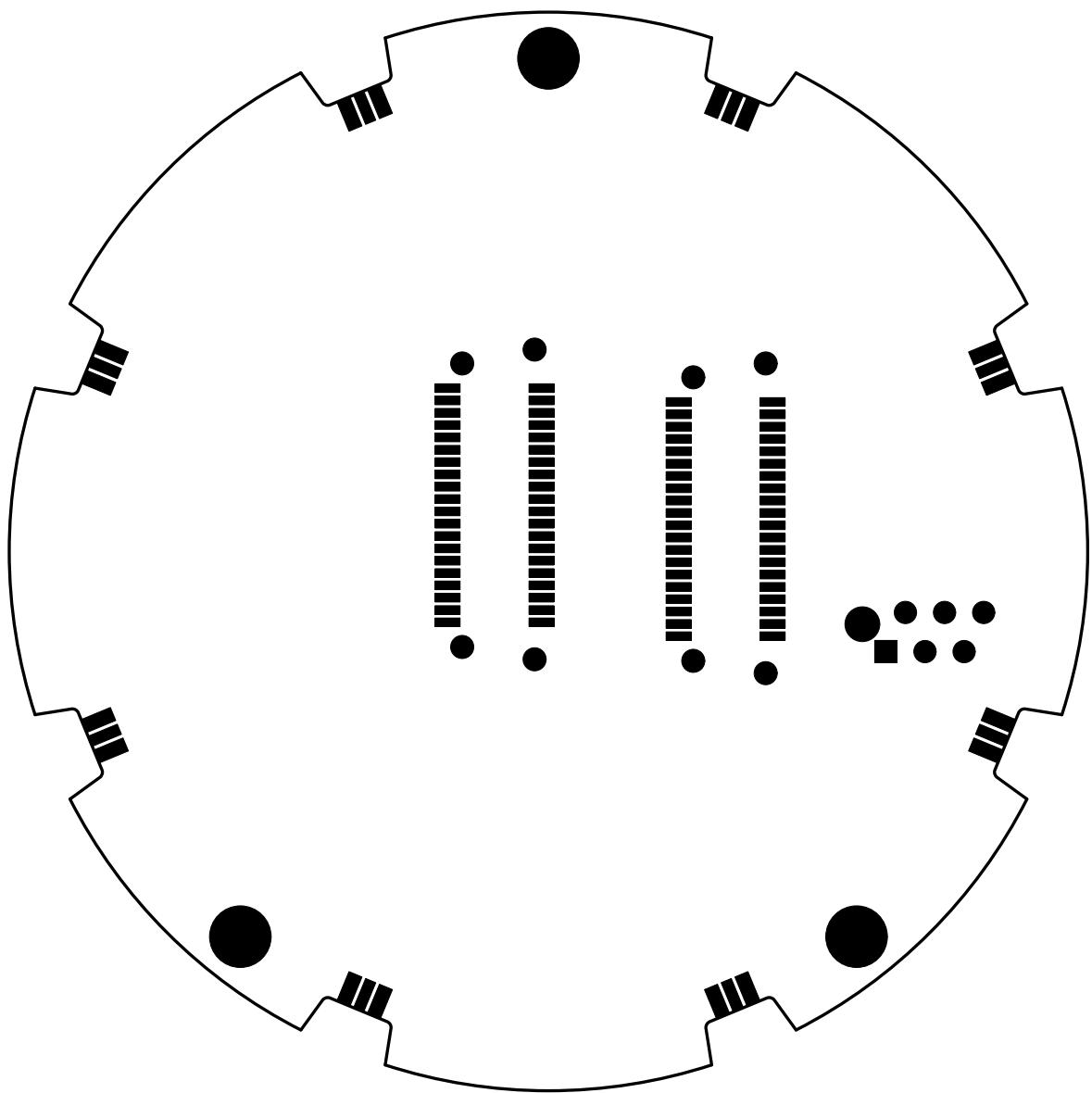




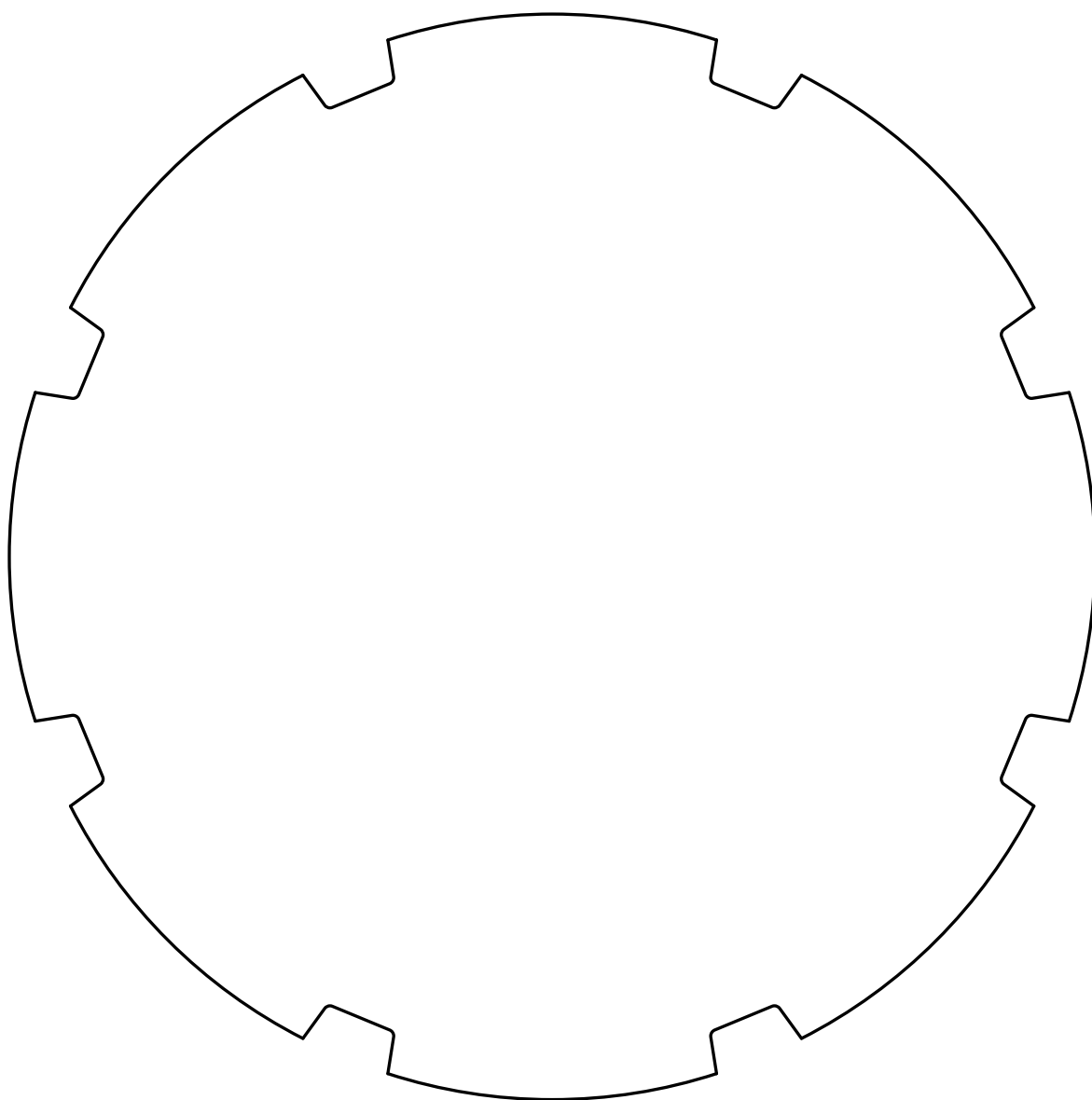












# Component Report PUCKLEDTUR\_D

puckledtur\_d\_gloss

Mon Jan 29 16:40:06 MET 2007

| Ref Des | Device Type | Value   | Package Type      | x       | y       | ang     | Mir | Remark |
|---------|-------------|---------|-------------------|---------|---------|---------|-----|--------|
| C1      | 0603        | 22P     | 0603              | -13.400 | 11.500  | 90.000  | NO  |        |
| C2      | 0603        | 22P     | 0603              | -16.500 | 11.500  | 90.000  | NO  |        |
| C3      | 0603        | 1U      | 0603              | 4.250   | 6.250   | 90.000  | NO  |        |
| C4      | 0603        | 10N     | 0603              | 4.250   | -2.250  | 90.000  | NO  |        |
| C5      | 0603        | 2U2     | 0603              | 4.250   | 4.250   | 90.000  | NO  |        |
| C6      | CP          | 47U     | CP_1812           | -11.900 | -22.100 | 90.000  | NO  |        |
| C7      | 0603        | 1U      | 0603              | -10.000 | -25.500 | 90.000  | NO  |        |
| C8      | 0603        | 220N    | 0603              | 1.400   | -17.700 | 180.000 | NO  |        |
| C9      | 0603        | 220P    | 0603              | -1.500  | -16.500 | 90.000  | NO  |        |
| C10     | CP          | 47U     | CP_1812           | -11.800 | -11.000 | 90.000  | NO  |        |
| C11     | 0603        | 100N    | 0603              | -10.000 | -7.500  | 90.000  | NO  |        |
| C12     | 0603        | 100N    | 0603              | -24.800 | 1.900   | 0.000   | NO  |        |
| C13     | 0603        | 100N    | 0603              | -13.400 | 10.300  | 270.000 | NO  |        |
| D0      | BR1101H     | BR1111C | SMDLED_MINI       | -12.300 | 20.800  | 0.000   | NO  |        |
| D1      | PG1101H     | PG1101C | SMDLED_MINI       | -9.000  | 20.800  | 0.000   | NO  |        |
| D2      | PY1101H     | PY1101H | SMDLED_MINI       | -5.900  | 20.800  | 0.000   | NO  |        |
| D3      | SS24        | SS24    | 1812_D            | -2.500  | -10.000 | 90.000  | NO  |        |
| D3-0    | LED         |         | LED3COL_EDGE      | -12.552 | -30.303 | 157.500 | NO  |        |
| D3-1    | LED         |         | LED3COL_EDGE      | -30.303 | -12.552 | 112.500 | NO  |        |
| D3-2    | LED         |         | LED3COL_EDGE      | -30.303 | 12.552  | 67.500  | NO  |        |
| D3-3    | LED         |         | LED3COL_EDGE      | -12.552 | 30.303  | 22.500  | NO  |        |
| D3-4    | LED         |         | LED3COL_EDGE      | 12.552  | -30.303 | 202.500 | NO  |        |
| D3-5    | LED         |         | LED3COL_EDGE      | 30.303  | -12.552 | 247.500 | NO  |        |
| D3-6    | LED         |         | LED3COL_EDGE      | 30.303  | 12.552  | 292.500 | NO  |        |
| D3-7    | LED         |         | LED3COL_EDGE      | 12.552  | 30.303  | 337.500 | NO  |        |
| J1      | CO6         |         | MM6               | 21.900  | -6.500  | 0.000   | NO  |        |
| JE1     | CO40        |         | SAMBTE40_SMD_08MM | 11.500  | 2.100   | 90.000  | YES |        |
| JE2     | CO40        |         | SAMBTE40_SMD_08MM | -3.500  | 3.000   | 90.000  | YES |        |
| JE3     | CO40        |         | SAMBSE40_SMD_08MM | 11.500  | 2.100   | 90.000  | NO  |        |
| JE4     | CO40        |         | SAMBSE40_SMD_08MM | -3.500  | 3.000   | 90.000  | NO  |        |
| L1      | L           | 10U     | DR73              | 6.000   | -13.000 | 180.000 | NO  |        |
| R1      | R           | 10K     | 0603              | 25.000  | 0.000   | 0.000   | NO  |        |
| R2      | R           | 160     | 0603              | -12.500 | 18.000  | 90.000  | NO  |        |
| R3      | R           | 140     | 0603              | -9.000  | 18.000  | 90.000  | NO  |        |
| R4      | R           | 60      | 0603              | -6.000  | 17.000  | 0.000   | NO  |        |
| R5      | R           | 0       | 0603              | 23.000  | 0.000   | 180.000 | NO  |        |
| R6      | R           | 10K     | 0603              | 3.400   | 8.800   | 270.000 | NO  |        |
| R7      | R           | 10K     | 0603              | 3.400   | 10.100  | 270.000 | NO  |        |
| R10     | R           | 150     | 0603              | -6.500  | -28.500 | 180.000 | NO  |        |
| R11     | R           | 75      | 0603              | -4.500  | -28.500 | 180.000 | NO  |        |
| R12     | R           | 75      | 0603              | -8.300  | -28.500 | 180.000 | NO  |        |
| R13     | R           | 100K    | 0603              | -21.500 | -20.500 | 180.000 | NO  |        |
| R14     | R           | 100K    | 0603              | 2.500   | -24.500 | 180.000 | NO  |        |
| R15     | R           | 100K    | 0603              | 2.000   | -28.500 | 180.000 | NO  |        |
| R16     | R           | 150     | 0603              | -24.000 | -7.500  | 270.000 | NO  |        |
| R17     | R           | 75      | 0603              | -24.000 | -9.500  | 270.000 | NO  |        |
| R18     | R           | 75      | 0603              | -24.000 | -12.000 | 270.000 | NO  |        |
| R19     | R           | 100K    | 0603              | -23.500 | -14.000 | 90.000  | NO  |        |
| R20     | R           | 100K    | 0603              | -19.500 | -13.500 | 90.000  | NO  |        |
| R21     | R           | 100K    | 0603              | -19.500 | -7.500  | 90.000  | NO  |        |
| R22     | R           | 150     | 0603              | -23.500 | 15.000  | 270.000 | NO  |        |
| R23     | R           | 75      | 0603              | -23.500 | 13.000  | 270.000 | NO  |        |
| R24     | R           | 75      | 0603              | -23.500 | 11.000  | 270.000 | NO  |        |
| R25     | R           | 100K    | 0603              | -20.500 | 20.000  | 180.000 | NO  |        |
| R26     | R           | 100K    | 0603              | -27.600 | -6.800  | 90.000  | NO  |        |
| R27     | R           | 100K    | 0603              | -26.000 | 11.900  | 180.000 | NO  |        |
| R28     | R           | 150     | 0603              | -7.900  | 25.000  | 180.000 | NO  |        |
| R29     | R           | 75      | 0603              | -10.000 | 25.000  | 180.000 | NO  |        |

# Component Report PUCKLEDTUR\_D

puckledtur\_d\_gloss

Mon Jan 29 16:40:06 MET 2007

| Ref Des | Device Type | Value     | Package Type | x       | y       | ang     | Mir | Remark |
|---------|-------------|-----------|--------------|---------|---------|---------|-----|--------|
| R30     | R           | 75        | 0603         | -12.500 | 25.000  | 180.000 | NO  |        |
| R31     | R           | 100K      | 0603         | -1.900  | 27.600  | 180.000 | NO  |        |
| R32     | R           | 100K      | 0603         | -18.500 | 23.500  | 0.000   | NO  |        |
| R33     | R           | 100K      | 0603         | -18.500 | 20.000  | 0.000   | NO  |        |
| R34     | R           | 150       | 0603         | 11.000  | -24.000 | 0.000   | NO  |        |
| R35     | R           | 75        | 0603         | 13.500  | -24.000 | 0.000   | NO  |        |
| R36     | R           | 75        | 0603         | 15.500  | -24.000 | 0.000   | NO  |        |
| R37     | R           | 100K      | 0603         | 4.500   | -28.000 | 0.000   | NO  |        |
| R38     | R           | 100K      | 0603         | 4.500   | -24.000 | 0.000   | NO  |        |
| R39     | R           | 100K      | 0603         | 13.100  | -19.700 | 0.000   | NO  |        |
| R40     | R           | 150       | 0603         | 23.500  | -16.500 | 90.000  | NO  |        |
| R41     | R           | 75        | 0603         | 23.500  | -14.000 | 90.000  | NO  |        |
| R42     | R           | 75        | 0603         | 23.500  | -11.500 | 90.000  | NO  |        |
| R43     | R           | 100K      | 0603         | 15.800  | -14.500 | 270.000 | NO  |        |
| R44     | R           | 100K      | 0603         | 15.800  | -16.600 | 270.000 | NO  |        |
| R45     | R           | 100K      | 0603         | 15.800  | -11.200 | 270.000 | NO  |        |
| R46     | R           | 150       | 0603         | 29.000  | 7.500   | 180.000 | NO  |        |
| R47     | R           | 75        | 0603         | 24.000  | 7.500   | 180.000 | NO  |        |
| R48     | R           | 75        | 0603         | 26.500  | 7.500   | 180.000 | NO  |        |
| R49     | R           | 100K      | 0603         | 17.500  | 12.500  | 0.000   | NO  |        |
| R50     | R           | 100K      | 0603         | 20.500  | 21.000  | 270.000 | NO  |        |
| R51     | R           | 100K      | 0603         | 17.500  | 17.500  | 0.000   | NO  |        |
| R52     | R           | 150       | 0603         | 14.500  | 20.500  | 180.000 | NO  |        |
| R53     | R           | 75        | 0603         | 12.000  | 20.500  | 180.000 | NO  |        |
| R54     | R           | 75        | 0603         | 9.500   | 20.500  | 180.000 | NO  |        |
| R55     | R           | 100K      | 0603         | 17.500  | 21.500  | 0.000   | NO  |        |
| R56     | R           | 100K      | 0603         | -0.400  | 27.600  | 0.000   | NO  |        |
| R57     | R           | 100K      | 0603         | 5.500   | 26.500  | 0.000   | NO  |        |
| R60     | R           | 0         | 0603         | 23.000  | 3.500   | 0.000   | NO  |        |
| R61     | R           | 200K      | 0603         | -2.500  | -21.500 | 90.000  | NO  |        |
| R62     | R           | 0R08      | 1812         | -12.000 | -16.500 | 90.000  | NO  |        |
| R63     | R           | 28K       | 0603         | -10.000 | -6.000  | 270.000 | NO  |        |
| R64     | R           | 10K       | 0603         | -1.500  | -15.000 | 90.000  | NO  |        |
| SW1     | SWPOU       |           | POUSMD4      | -27.900 | 2.100   | 180.000 | NO  |        |
| T01     | IRLML2402   | IRLML2402 | SOT23_2      | -18.500 | -20.500 | 90.000  | NO  |        |
| T02     | IRLML2402   | IRLML2402 | SOT23_2      | -1.000  | -25.500 | 270.000 | NO  |        |
| T03     | IRLML2402   | IRLML2402 | SOT23_2      | -1.000  | -29.000 | 270.000 | NO  |        |
| T04     | IRLML2402   | IRLML2402 | SOT23_2      | -23.000 | -17.000 | 0.000   | NO  |        |
| T05     | IRLML2402   | IRLML2402 | SOT23_2      | -19.500 | -16.500 | 0.000   | NO  |        |
| T06     | IRLML2402   | IRLML2402 | SOT23_2      | -19.500 | -10.500 | 0.000   | NO  |        |
| T07     | IRLML2402   | IRLML2402 | SOT23_2      | -23.500 | 17.500  | 270.000 | NO  |        |
| T08     | IRLML2402   | IRLML2402 | SOT23_2      | -27.600 | -4.100  | 90.000  | NO  |        |
| T09     | IRLML2402   | IRLML2402 | SOT23_2      | -26.500 | 8.500   | 90.000  | NO  |        |
| T10     | IRLML2402   | IRLML2402 | SOT23_2      | -4.900  | 27.600  | 180.000 | NO  |        |
| T11     | IRLML2402   | IRLML2402 | SOT23_2      | -15.500 | 24.500  | 0.000   | NO  |        |
| T12     | IRLML2402   | IRLML2402 | SOT23_2      | -15.500 | 20.000  | 0.000   | NO  |        |
| T13     | IRLML2402   | IRLML2402 | SOT23_2      | 7.500   | -27.500 | 0.000   | NO  |        |
| T14     | IRLML2402   | IRLML2402 | SOT23_2      | 7.500   | -23.500 | 0.000   | NO  |        |
| T15     | IRLML2402   | IRLML2402 | SOT23_2      | 15.800  | -19.700 | 0.000   | NO  |        |
| T16     | IRLML2402   | IRLML2402 | SOT23_2      | 20.000  | -14.500 | 0.000   | NO  |        |
| T17     | IRLML2402   | IRLML2402 | SOT23_2      | 20.000  | -18.500 | 0.000   | NO  |        |
| T18     | IRLML2402   | IRLML2402 | SOT23_2      | 20.000  | -10.500 | 0.000   | NO  |        |
| T19     | IRLML2402   | IRLML2402 | SOT23_2      | 21.000  | 12.500  | 0.000   | NO  |        |
| T20     | IRLML2402   | IRLML2402 | SOT23_2      | 24.500  | 15.500  | 0.000   | NO  |        |
| T21     | IRLML2402   | IRLML2402 | SOT23_2      | 21.000  | 17.000  | 0.000   | NO  |        |
| T22     | IRLML2402   | IRLML2402 | SOT23_2      | 15.000  | 24.500  | 180.000 | NO  |        |
| T23     | IRLML2402   | IRLML2402 | SOT23_2      | 2.600   | 27.600  | 0.000   | NO  |        |
| T24     | IRLML2402   | IRLML2402 | SOT23_2      | 8.500   | 26.500  | 0.000   | NO  |        |

# Component Report PUCKLEDTUR\_D

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Mon Jan 29 16:40:06 MET 2007

| Ref Des | Device Type | Value          | Package Type | x       | y       | ang     | Mir | Remark |
|---------|-------------|----------------|--------------|---------|---------|---------|-----|--------|
| T25     | IRLML2402   | IRLML2402      | SOT23_2      | -5.000  | -15.000 | 0.000   | NO  |        |
| U1      | PIC18F6720  |                | STQFP64      | -16.500 | 2.000   | 90.000  | NO  |        |
| U2      | LP2985IBPX  | LP2985IBPX-3.3 | SOT23_5G     | 4.250   | 1.250   | 0.000   | NO  |        |
| U3      | MAX668EUB   |                | SO10_05MM    | -3.000  | -19.000 | 180.000 | NO  |        |
| XT1     | XTAL        | 10MHZ          | HC49US       | -14.600 | 14.700  | 0.000   | NO  |        |

Total Component count 121

# BOM Report PUCKLEDTUR\_D

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Mon Jan 29 16:40:07 MET 2007

| Device               | Package           | Value          | Nb | Reference Designators |      |      |      |      | Remark |
|----------------------|-------------------|----------------|----|-----------------------|------|------|------|------|--------|
| 0603-100N            | 0603              | 100N           | 3  | C11                   | C12  | C13  |      |      |        |
| 0603-10N             | 0603              | 10N            | 1  | C4                    |      |      |      |      |        |
| 0603-1U              | 0603              | 1U             | 2  | C3                    | C7   |      |      |      |        |
| 0603-220N            | 0603              | 220N           | 1  | C8                    |      |      |      |      |        |
| 0603-220P            | 0603              | 220P           | 1  | C9                    |      |      |      |      |        |
| 0603-22P             | 0603              | 22P            | 2  | C1                    | C2   |      |      |      |        |
| 0603-2U2             | 0603              | 2U2            | 1  | C5                    |      |      |      |      |        |
| BR1101H              | SMDLED_MINI       | BR1111C        | 1  | D0                    |      |      |      |      |        |
| CO40-SAMBSE40_SMD    | SAMBSE40_SMD_08MM |                | 2  | JE3                   | JE4  |      |      |      |        |
| CO40-SAMBTE40_SMD    | SAMBTE40_SMD_08MM |                | 2  | JE1                   | JE2  |      |      |      |        |
| CO6-MM6              | MM6               |                | 1  | J1                    |      |      |      |      |        |
| CP-47U,CP_1812       | CP_1812           | 47U            | 2  | C6                    | C10  |      |      |      |        |
| IRLML2402            | SOT23_2           | IRLML2402      | 25 | T01                   | T02  | T03  | T04  | T05  |        |
|                      |                   |                |    | T06                   | T07  | T08  | T09  | T10  |        |
|                      |                   |                |    | T11                   | T12  | T13  | T14  | T15  |        |
|                      |                   |                |    | T16                   | T17  | T18  | T19  | T20  |        |
|                      |                   |                |    | T21                   | T22  | T23  | T24  | T25  |        |
| L-DR73-10U           | DR73              | 10U            | 1  | L1                    |      |      |      |      |        |
| LED-LATB_G66B-1      | LED3COL_EDGE      |                | 8  | D3-0                  | D3-1 | D3-2 | D3-3 | D3-4 |        |
|                      |                   |                |    | D3-5                  | D3-6 | D3-7 |      |      |        |
| LP2985IBPX-3.3-OBSOL | SOT23_5G          | LP2985IBPX-3.3 | 1  | U2                    |      |      |      |      |        |
| MAX668EUB            | SO10_05MM         |                | 1  | U3                    |      |      |      |      |        |
| PG1101H              | SMDLED_MINI       | PG1101C        | 1  | D1                    |      |      |      |      |        |
| PIC18F6720           | STQFP64           |                | 1  | U1                    |      |      |      |      |        |
| PY1101H              | SMDLED_MINI       | PY1101H        | 1  | D2                    |      |      |      |      |        |
| R-0603-0             | 0603              | 0              | 2  | R5                    | R60  |      |      |      |        |
| R-0603-100K          | 0603              | 100K           | 24 | R13                   | R14  | R15  | R19  | R20  |        |
|                      |                   |                |    | R21                   | R25  | R26  | R27  | R31  |        |
|                      |                   |                |    | R32                   | R33  | R37  | R38  | R39  |        |
|                      |                   |                |    | R43                   | R44  | R45  | R49  | R50  |        |
|                      |                   |                |    | R51                   | R55  | R56  | R57  |      |        |
| R-0603-10K           | 0603              | 10K            | 4  | R1                    | R6   | R7   | R64  |      |        |
| R-0603-140           | 0603              | 140            | 1  | R3                    |      |      |      |      |        |
| R-0603-150           | 0603              | 150            | 8  | R10                   | R16  | R22  | R28  | R34  |        |
|                      |                   |                |    | R40                   | R46  | R52  |      |      |        |
| R-0603-160           | 0603              | 160            | 1  | R2                    |      |      |      |      |        |
| R-0603-200K          | 0603              | 200K           | 1  | R61                   |      |      |      |      |        |
| R-0603-28K           | 0603              | 28K            | 1  | R63                   |      |      |      |      |        |
| R-0603-60            | 0603              | 60             | 1  | R4                    |      |      |      |      |        |
| R-0603-75            | 0603              | 75             | 16 | R11                   | R12  | R17  | R18  | R23  |        |
|                      |                   |                |    | R24                   | R29  | R30  | R35  | R36  |        |
|                      |                   |                |    | R41                   | R42  | R47  | R48  | R53  |        |
|                      |                   |                |    | R54                   |      |      |      |      |        |
| R-1812-0R08          | 1812              | 0R08           | 1  | R62                   |      |      |      |      |        |
| SS24                 | 1812_D            | SS24           | 1  | D3                    |      |      |      |      |        |
| SWPOU-POUSMD4-BOURNS | POUSMD4           |                | 1  | SW1                   |      |      |      |      |        |
| XTAL-HC49US-10MHZ    | HC49US            | 10MHZ          | 1  | XT1                   |      |      |      |      |        |

Total Component count 121

# NC Pins Report PUCKLEDTUR\_D

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Mon Jan 29 16:40:07 MET 2007

| Ref Des | Device     | Nb | Not Connected Pins |    |    |    |    |    |    |    |    |    |  | Remark |
|---------|------------|----|--------------------|----|----|----|----|----|----|----|----|----|--|--------|
| J1      | CO6-MM6    | 1  | 6                  |    |    |    |    |    |    |    |    |    |  |        |
| U1      | PIC18F6720 | 20 | 3                  | 4  | 5  | 6  | 8  | 21 | 22 | 23 | 24 | 27 |  |        |
|         |            |    | 28                 | 29 | 30 | 31 | 32 | 33 | 36 | 43 | 44 | 45 |  |        |

Total count 21

# Power Pins Report PUCKLEDTUR\_D

puckledtur\_d\_gloss

Mon Jan 29 16:40:08 MET 2007

| Ref Des | Device               | Name | Power Pins |    |    |    |    | Remark |
|---------|----------------------|------|------------|----|----|----|----|--------|
| D0      | BR1101H              | GND  | 1          |    |    |    |    |        |
| D1      | PG1101H              | GND  | 1          |    |    |    |    |        |
| D2      | PY1101H              | GND  | 1          |    |    |    |    |        |
| D3      | SS24                 | VCCC | 1          |    |    |    |    |        |
| J1      | CO6-MM6              | GND  | 3          |    |    |    |    |        |
|         |                      | VCC  | 2          |    |    |    |    |        |
| JE1     | CO40-SAMBTE40_SMD    | GND  | 9          |    |    |    |    |        |
|         |                      | VCCB | 5          |    |    |    |    |        |
| JE3     | CO40-SAMBSE40_SMD    | GND  | 9          |    |    |    |    |        |
|         |                      | VCCB | 5          |    |    |    |    |        |
| SW1     | SWPOU-POUSMD4-BOURNS | GND  | 1          |    |    |    |    |        |
| T01     | IRLML2402            | GND  | 2          |    |    |    |    |        |
| T02     | IRLML2402            | GND  | 2          |    |    |    |    |        |
| T03     | IRLML2402            | GND  | 2          |    |    |    |    |        |
| T04     | IRLML2402            | GND  | 2          |    |    |    |    |        |
| T05     | IRLML2402            | GND  | 2          |    |    |    |    |        |
| T06     | IRLML2402            | GND  | 2          |    |    |    |    |        |
| T07     | IRLML2402            | GND  | 2          |    |    |    |    |        |
| T08     | IRLML2402            | GND  | 2          |    |    |    |    |        |
| T09     | IRLML2402            | GND  | 2          |    |    |    |    |        |
| T10     | IRLML2402            | GND  | 2          |    |    |    |    |        |
| T11     | IRLML2402            | GND  | 2          |    |    |    |    |        |
| T12     | IRLML2402            | GND  | 2          |    |    |    |    |        |
| T13     | IRLML2402            | GND  | 2          |    |    |    |    |        |
| T14     | IRLML2402            | GND  | 2          |    |    |    |    |        |
| T15     | IRLML2402            | GND  | 2          |    |    |    |    |        |
| T16     | IRLML2402            | GND  | 2          |    |    |    |    |        |
| T17     | IRLML2402            | GND  | 2          |    |    |    |    |        |
| T18     | IRLML2402            | GND  | 2          |    |    |    |    |        |
| T19     | IRLML2402            | GND  | 2          |    |    |    |    |        |
| T20     | IRLML2402            | GND  | 2          |    |    |    |    |        |
| T21     | IRLML2402            | GND  | 2          |    |    |    |    |        |
| T22     | IRLML2402            | GND  | 2          |    |    |    |    |        |
| T23     | IRLML2402            | GND  | 2          |    |    |    |    |        |
| T24     | IRLML2402            | GND  | 2          |    |    |    |    |        |
| U1      | PIC18F6720           | GND  | 9          | 20 | 25 | 41 | 56 |        |
|         |                      | VCC  | 10         | 19 | 26 | 38 | 57 |        |
| U2      | LP2985IBPX-3.3-OBSOL | GND  | 2          |    |    |    |    |        |
|         |                      | VCC  | 5          |    |    |    |    |        |
|         |                      | VCCB | 1          |    |    |    |    |        |
| U3      | MAX668EUB            | GND  | 3          | 7  |    |    |    |        |
|         |                      | VCCB | 1          | 9  | 10 |    |    |        |

Total count 35

# Single Node Nets Report PUCKLEDTUR\_D

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