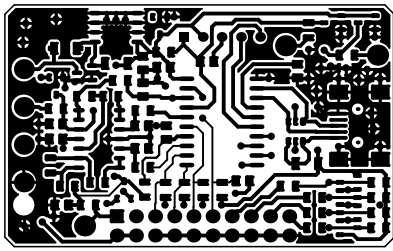
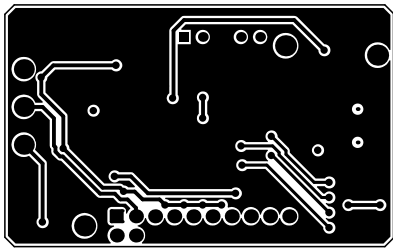
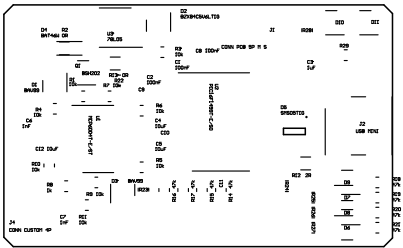
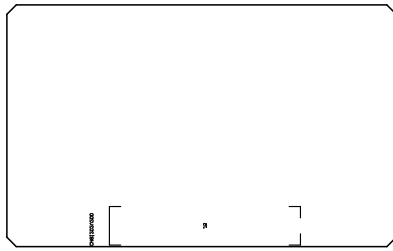


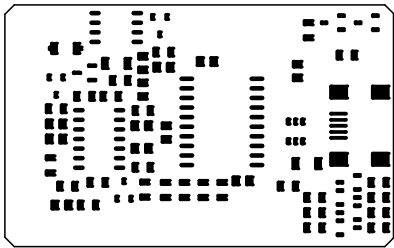
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| Size  | Number                         | Revision  |
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| Date: | 9/28/2015                      | Sheet of  |
| File: | D:\AProj\ECUcheater New.SchDoc | Drawn By: |

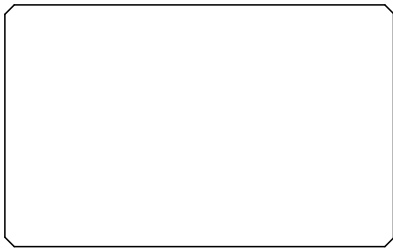


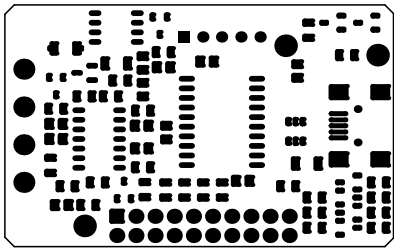




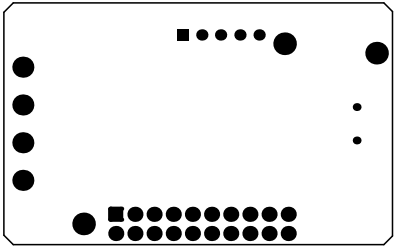


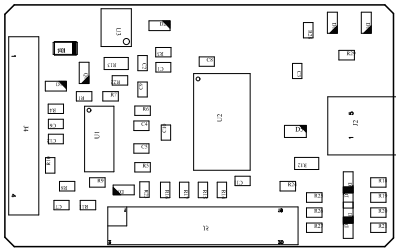


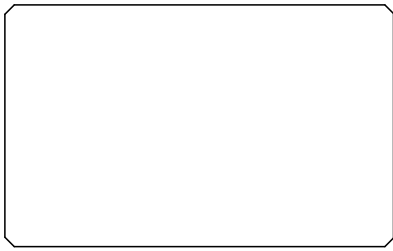


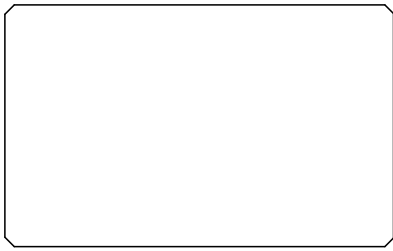


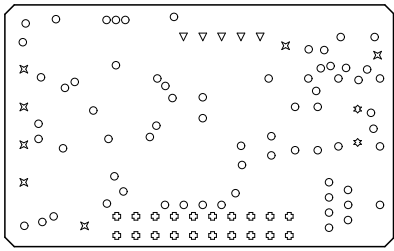


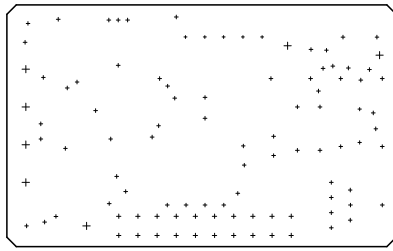












| Comment          | Designator   | Description | Footprint                   | Quantity |
|------------------|--|-------------|-----------------------------|----------|
| 0k               | R24, R25, R26, R27                                       |             | SMD_0805_RESC2012X130N      | 4        |
| 0R               | R2, R13  |             | SMD_1206_RESC3216X65N       | 2        |
| 1k               | R8   |             | SMD_0805_RESC2012X130N      | 1        |
| 1nF              | C6, C7, C9, C10  |             | SMD_0805_CAPC2012X145N      | 4        |
| 1uF              | C3, C11  |             | SMD_0805_CAPC2012X145N      | 2        |
| 2R               | R12  |             | SMD_1206_RESC3216X65N       | 1        |
| 10k              | R1, R3, R4, R5, R6, R7, R9, R10, R11, R22, R23, R28, R29 |             | SMD_0805_RESC2012X130N      | 13       |
| 10uF             | C4, C5, C12  |             | SMD_0805_CAPC2012X145N      | 3        |
| 47k              | R14, R15, R16, R17, R18, R19, R20, R21                   |             | SMD_0805_RESC2012X130N      | 8        |
| 78L05            | U3   |             | SMD_SOIC127P602X173-8N      | 1        |
| 100nF            | C1, C2, C8   |             | SMD_0805_CAPC2012X145N      | 3        |
| BAT46W           | D4   |             | SMD_R_SOD123_SOD3715X145N   | 1        |
| BAV99            | D1, D3, D6, D7, D8, D9, D10, D11                         |             | SMD_SOT23_SOT92P240X110-3N  | 8        |
| BSH202           | Q1   |             | SMD_SOT23_SOT95P230X110-3N  | 1        |
| BZX84C5V6LT1G    | D2   |             | SMD_SOT23_SOT95P240X112-3N  | 1        |
| CH81202V200      | J5   |             | PTH_HDRV40W6240P254_2X10_M  | 1        |
| CONN CUSTOM 4P   | J4   |             | PTH_CON_CUSTOM_10           | 1        |
| CONN PCB 5P M S  | J1   |             | SIP5 - PGM                  | 1        |
| MCP6004T-E/ST    | U1   |             | SMD_SOIC127P600X175-14N     | 1        |
| PIC16F1459T-E/SO | U2   |             | SMD_SOIC127P1030X265-20N    | 1        |
| SMS05T1G         | D5   |             | SMD_SOT95P280X145-6N-W      | 1        |
| USB MINI         | J2   |             | SMD_CON-CVILUX-CU04-SCM15B0 | 1        |
|                  |  |             |                             |          |