00A-100, Load Board, Switched

|  |  |
| --- | --- |
| **PART NUMBER** | 00A-100 |
| **GROUP NAME** | Probing and Prototyping (00A) |
| **CIRCUIT NAME** | Electronic Load, Static |
| **VARIANT DESCRIPTION** | Static Load, Manual Control |
| **BOARD DESIGN** | PCB50 |
| **PRODUCT DESCRIPTION** | Panel of #00A-100 miniPCBs, v-scored (1 Panel = 4 Pieces) |

# Circuit Description

This board contains six (6) power resistors, two (2) banana jack posts, two (2) multimeter test points, and a switch. This board enables fast and reliable testing of power sources such as DCDC converters and DCDC isolators.

# Panel Board

|  |  |
| --- | --- |
|  |  |
| TOP VIEW | BOTTOM VIEW |

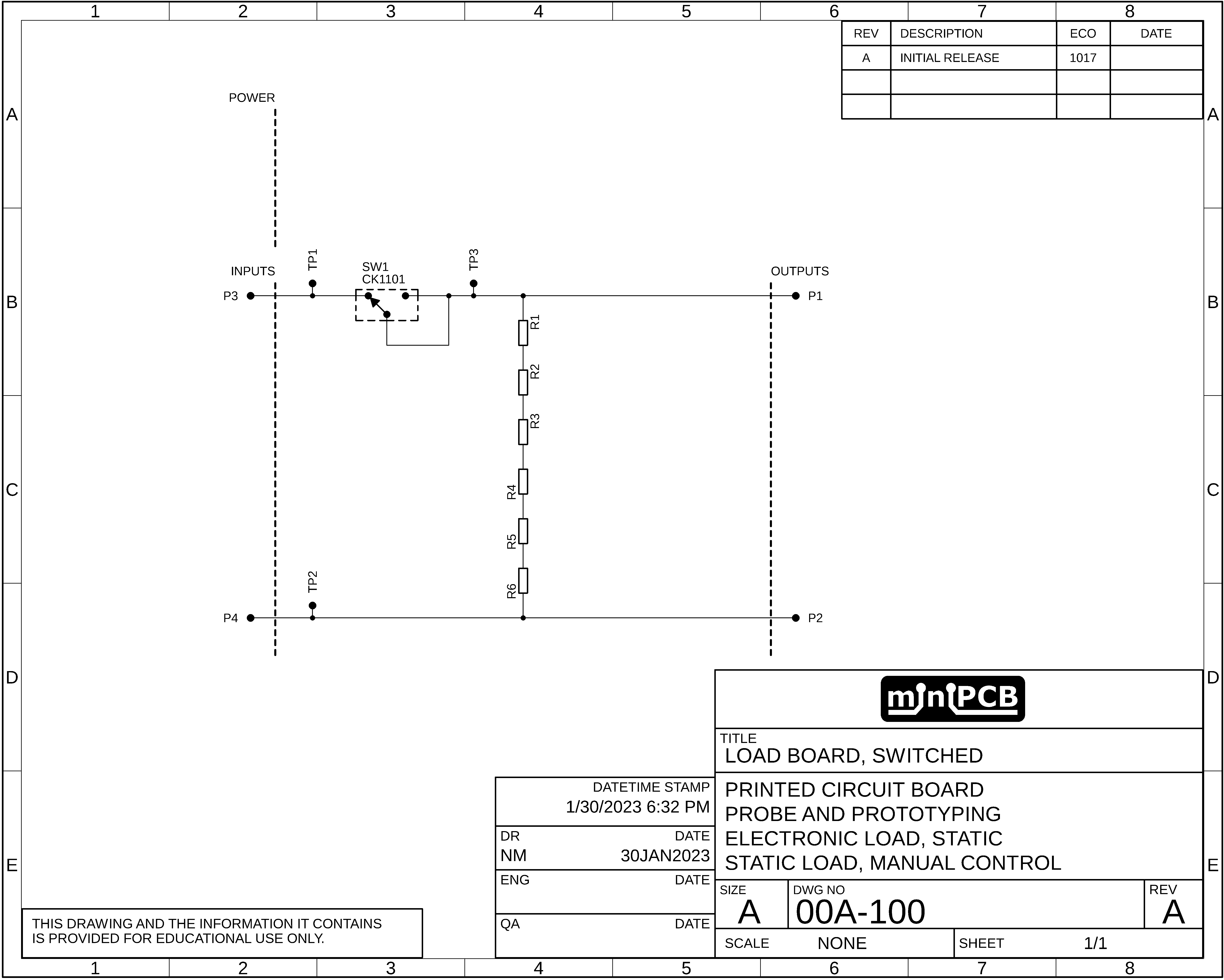
# Single Board

|  |  |
| --- | --- |
|  |  |
| TOP VIEW | BOTTOM VIEW |

# Part Locations

|  |  |
| --- | --- |
|  |  |
| TOP VIEW | BOTTOM VIEW |

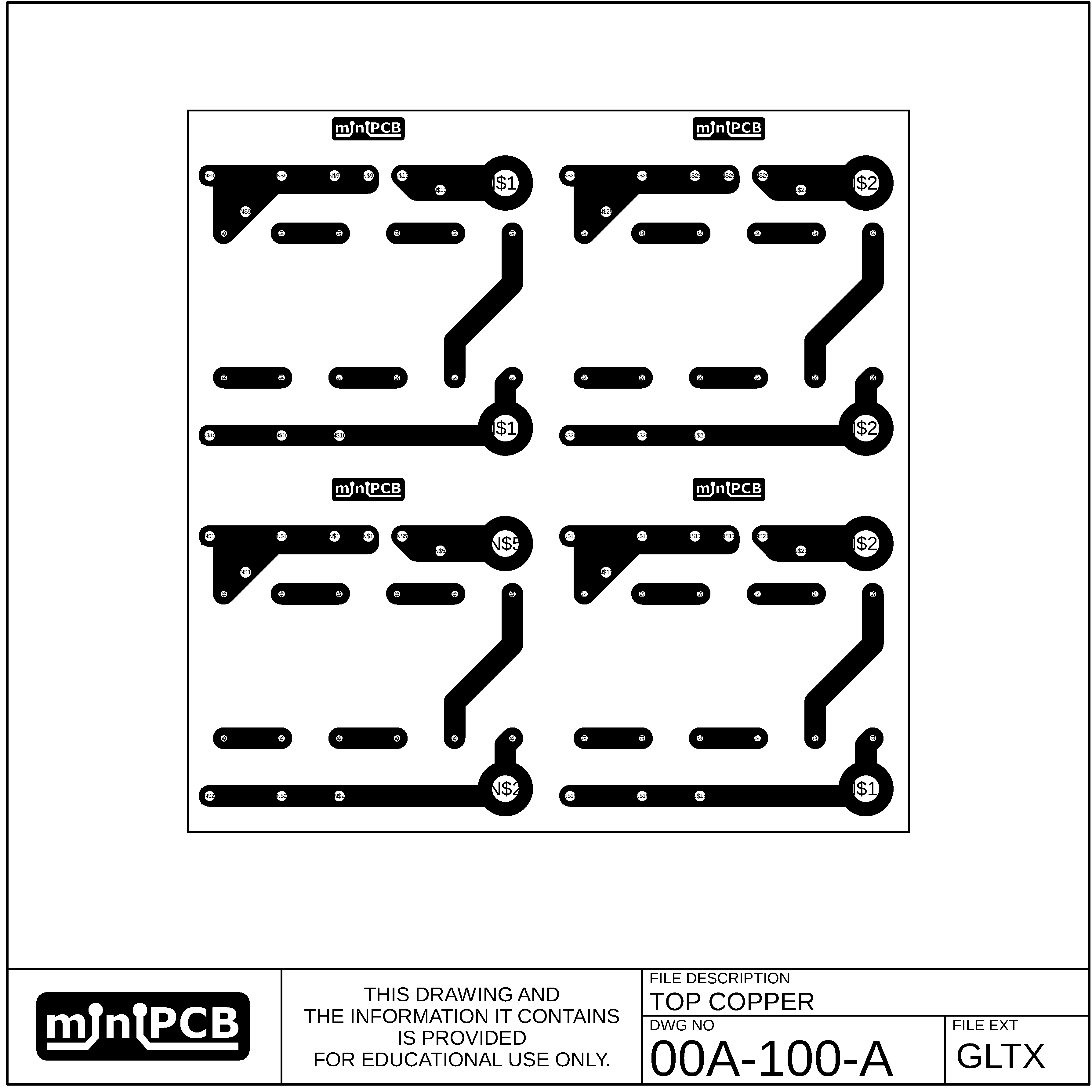
# Schematic



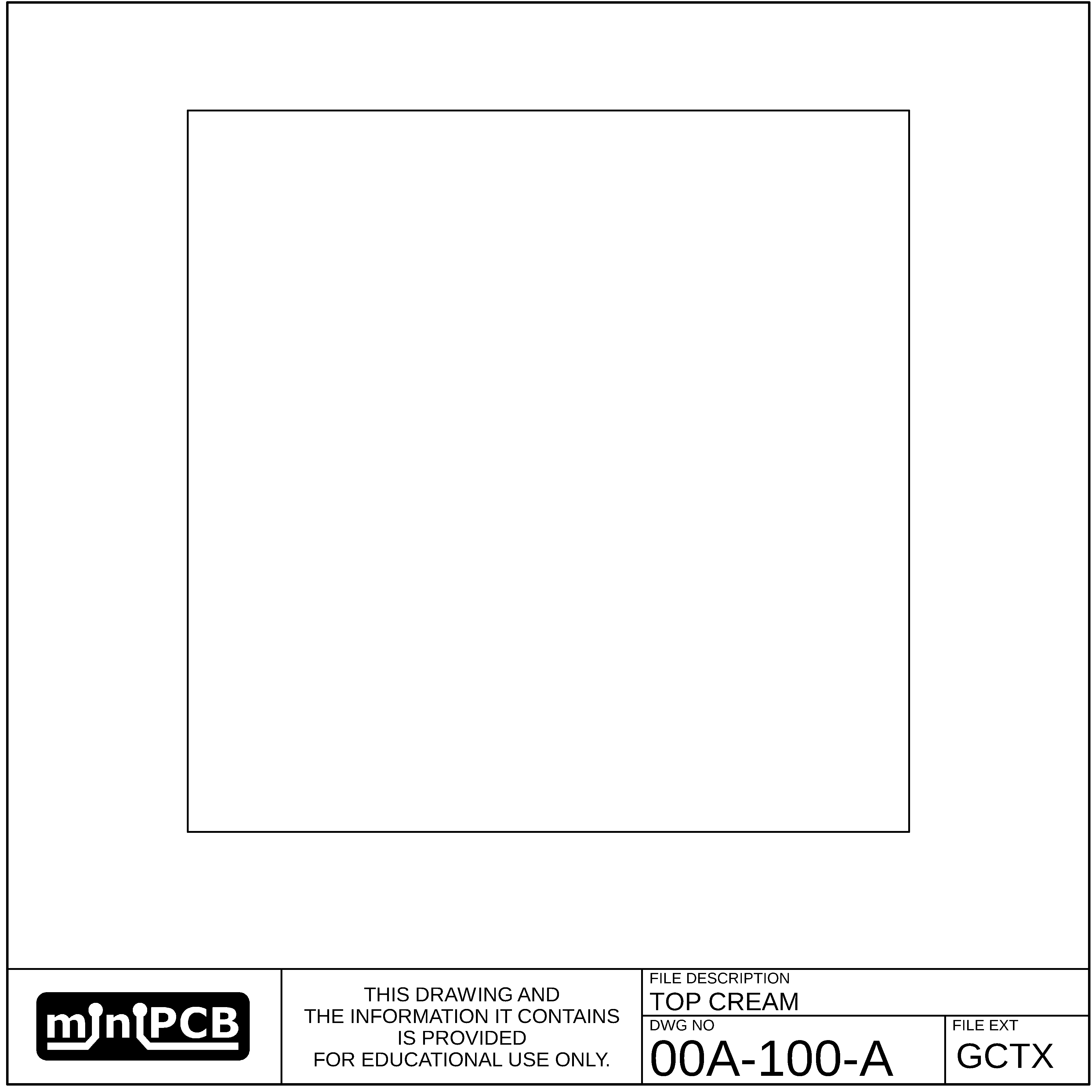
# Gerber Files

This section contains images of the layers included in each Gerber file.

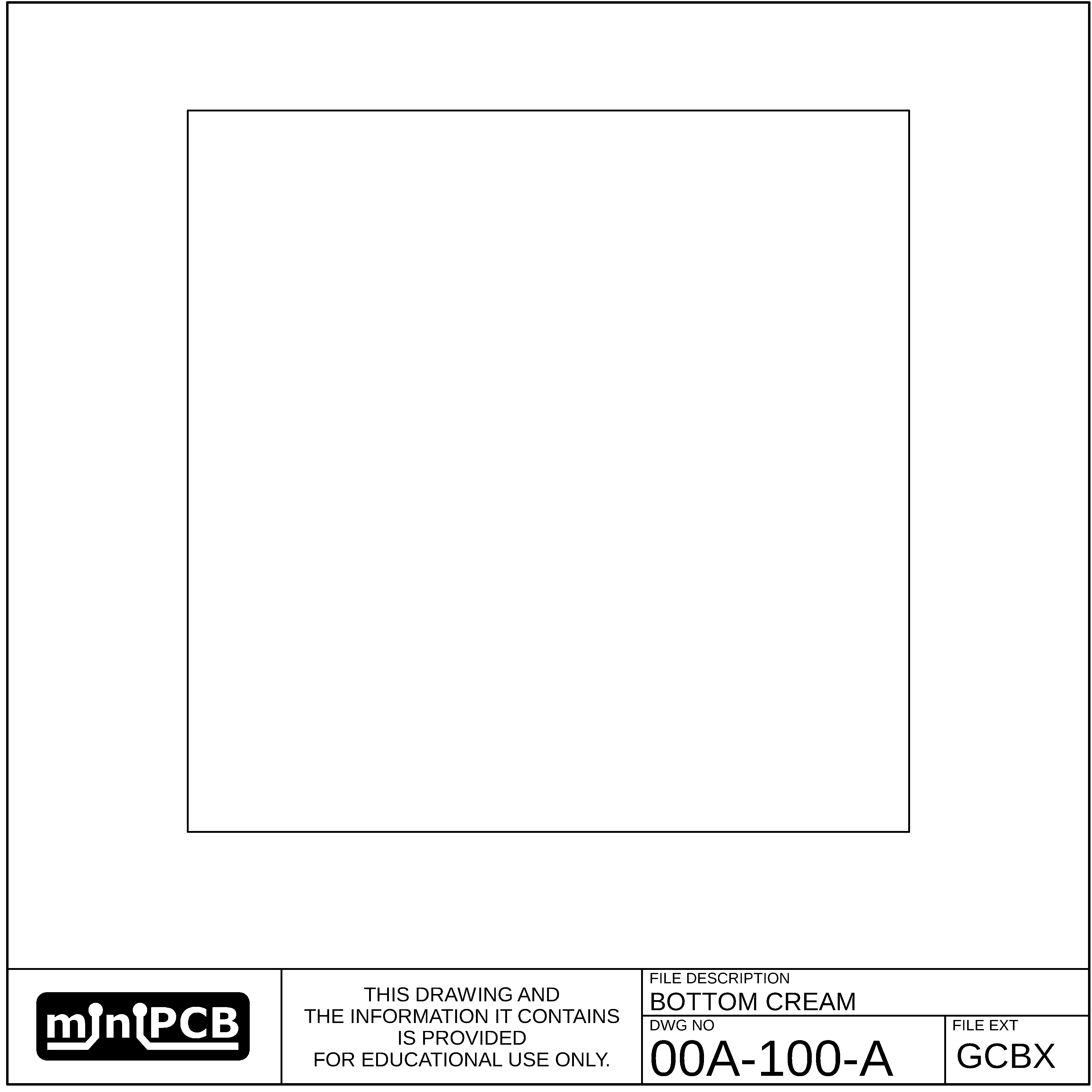
## TOP COPPER (GLTX)



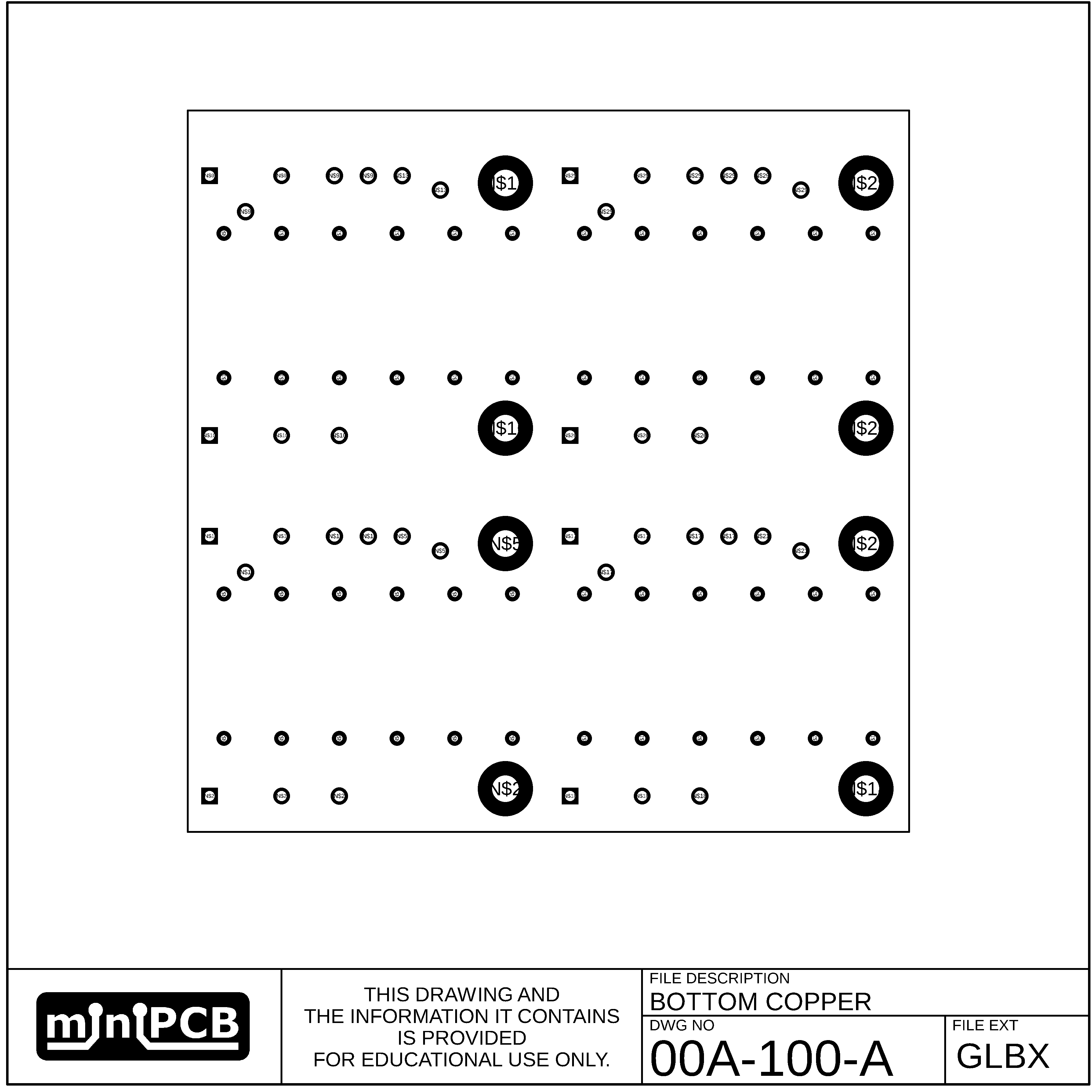
## TOP CREAM (GCTX)



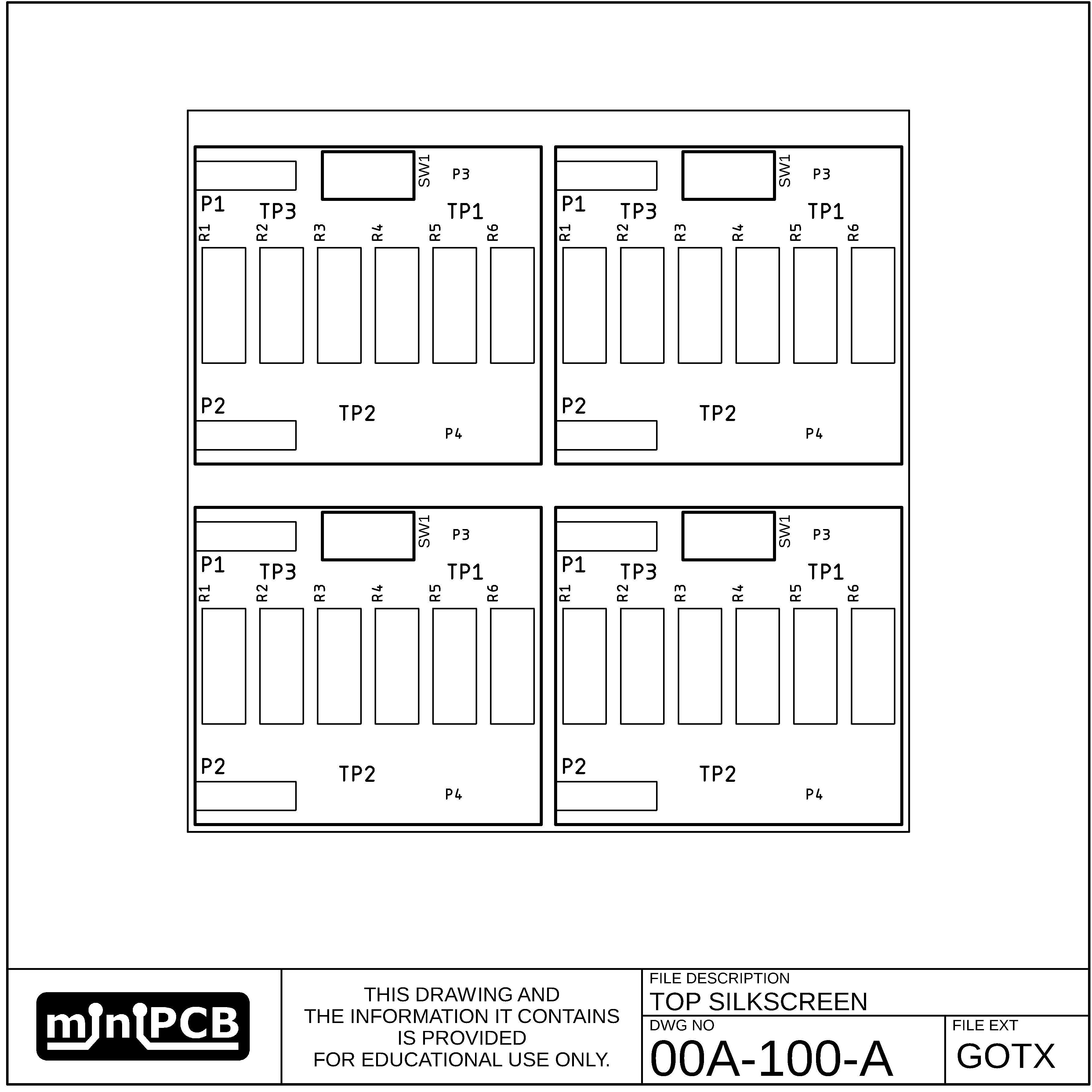
## BOTTOM CREAM (GCBX)



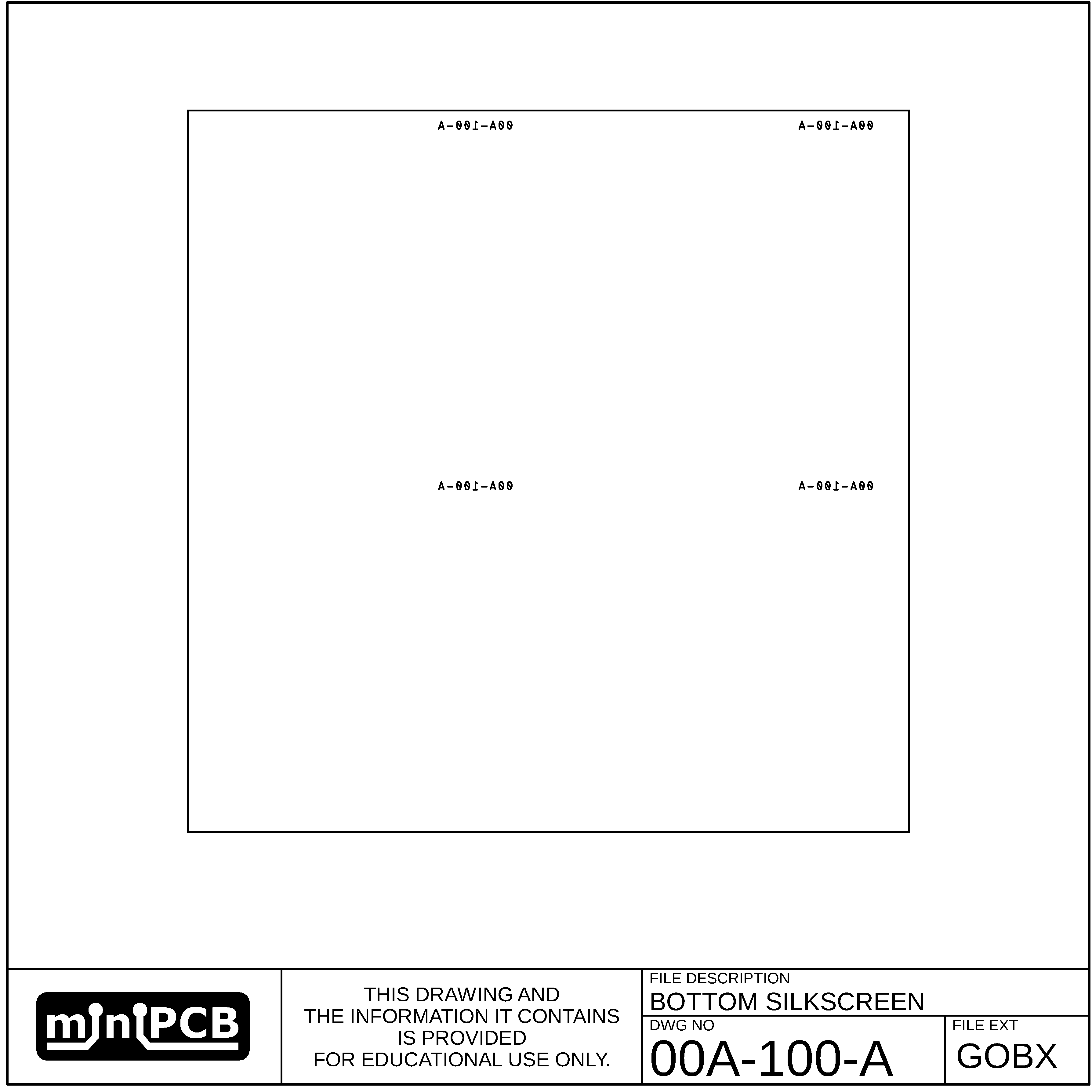
## BOTTOM COPPER (GLBX)



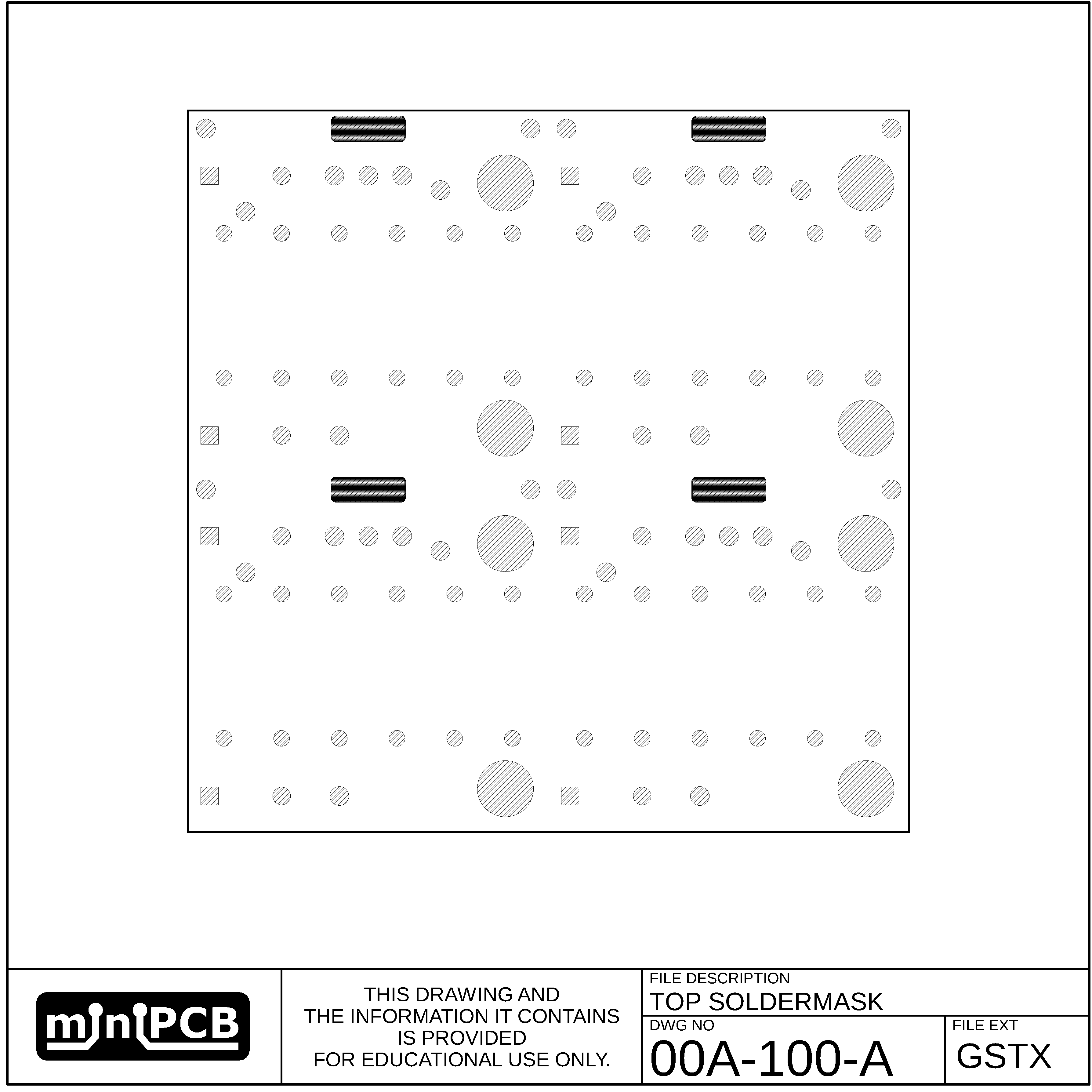
## TOP SILKSCREEN (GOTX)



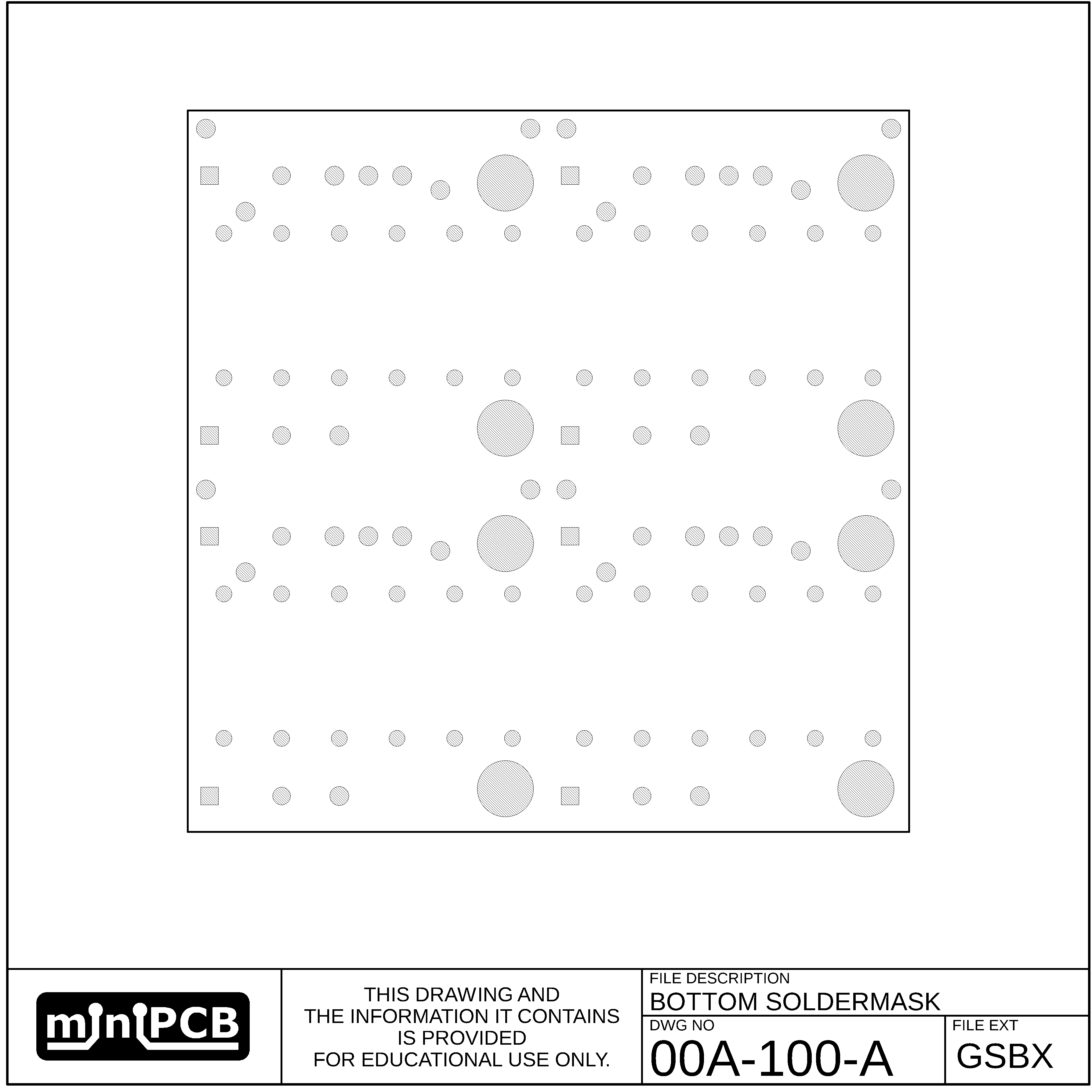
## BOTTOM SILKSCREEN (GOBX)



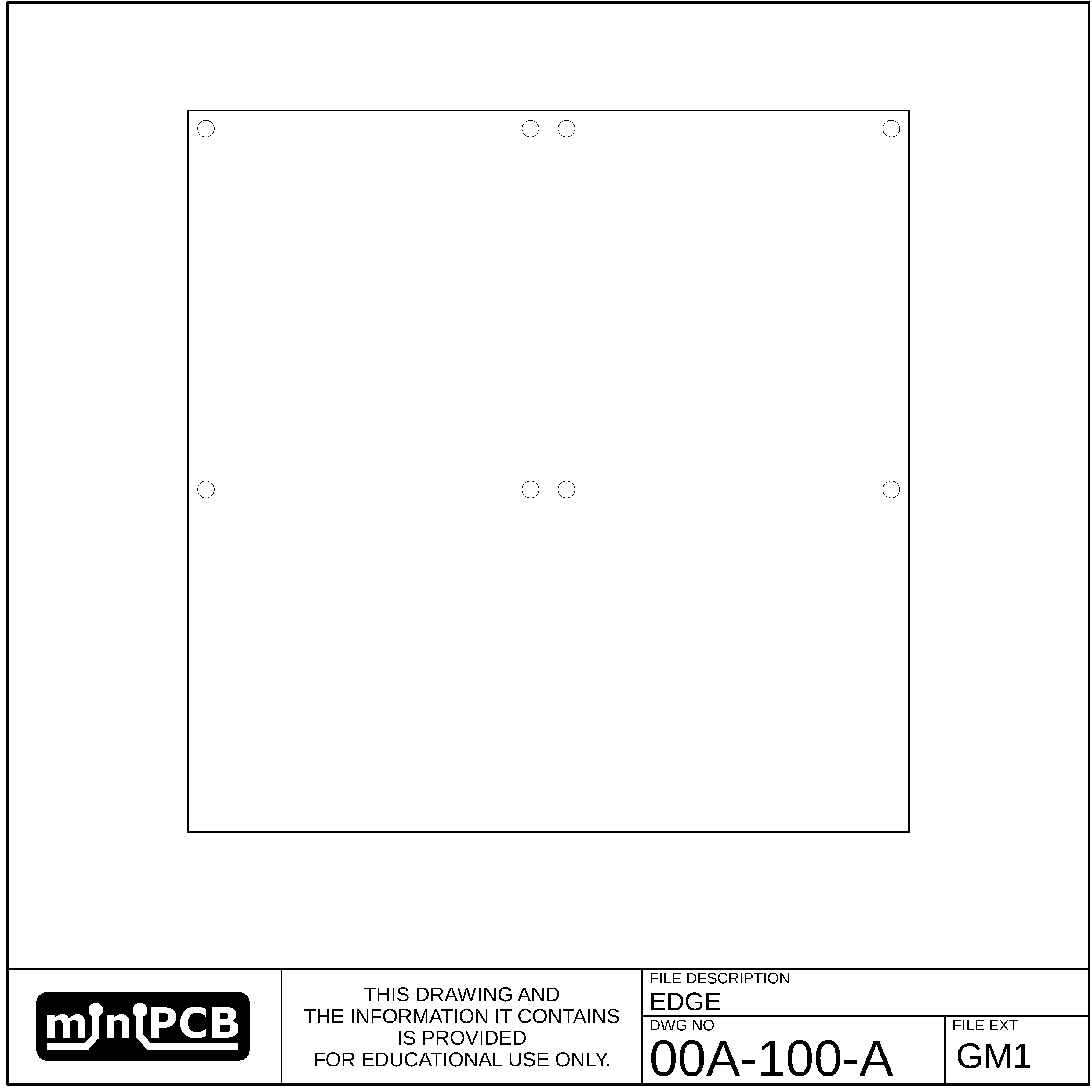
## TOP SOLDERMASK (GSTX)



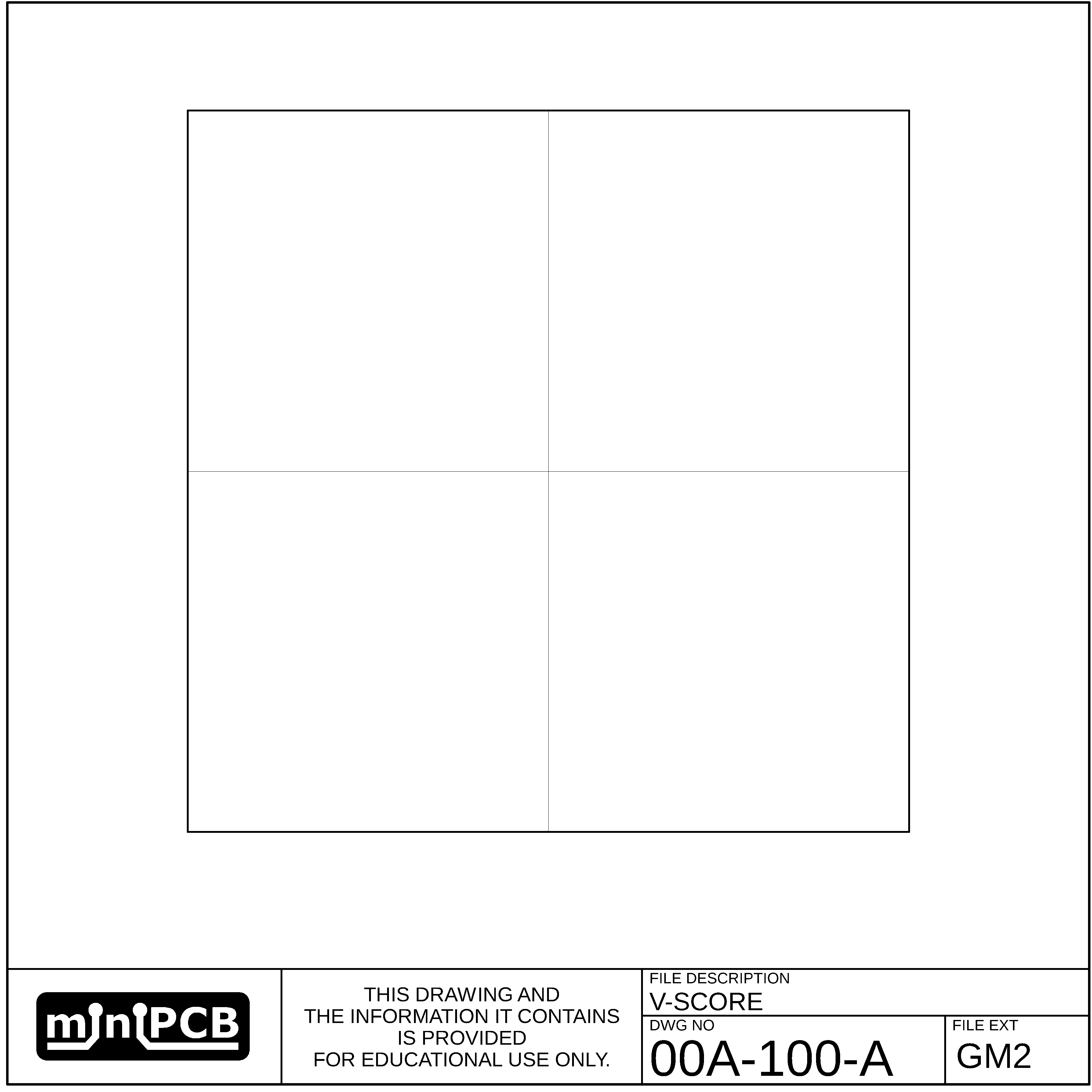
## BOTTOM SOLDER MASK (GSBX)



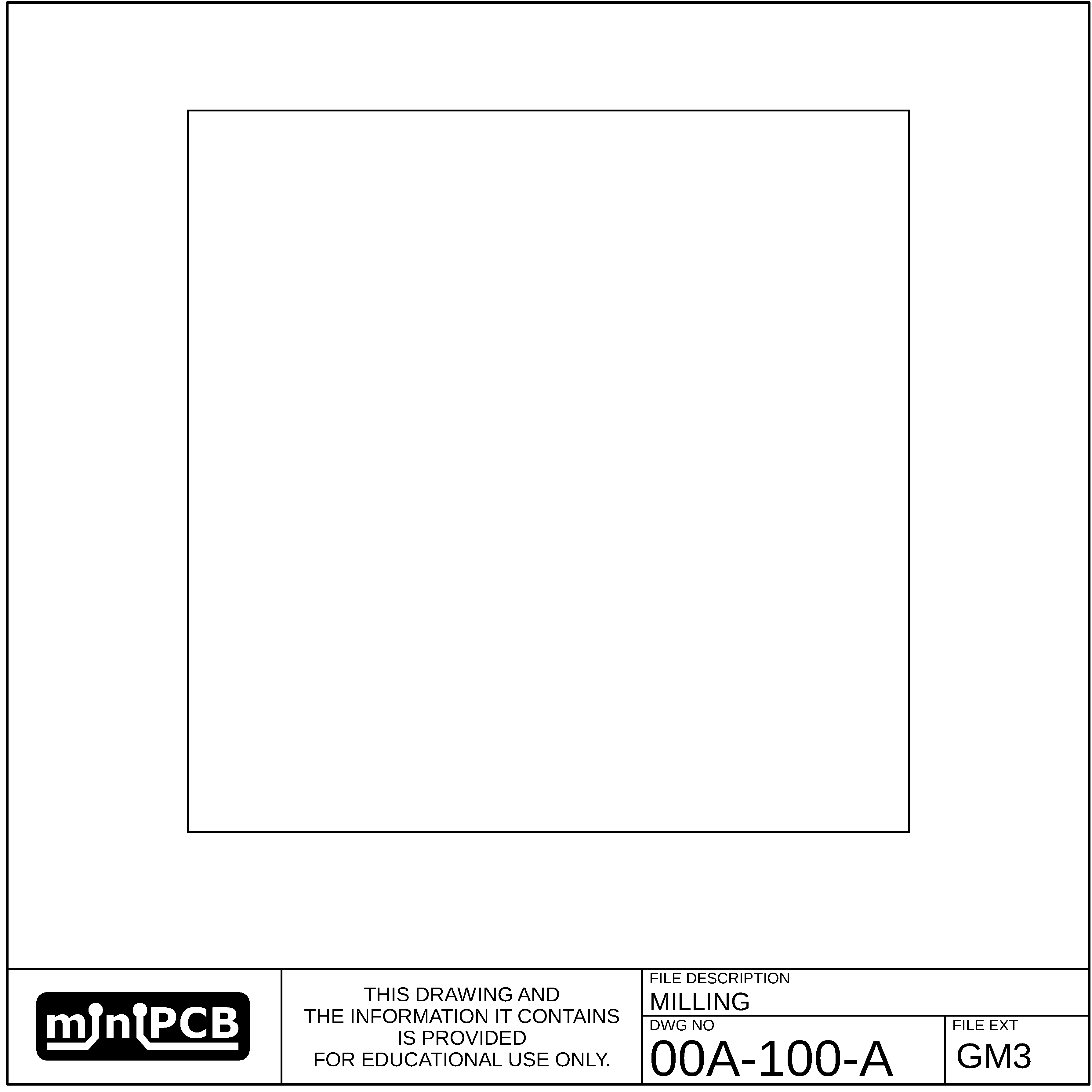
## EDGE (GM1)



## VSCORE (GM2)



## MILLING (GM3)



# Parts List Form

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **REF DES** | **PART TYPE** | **MFG PART NUMBER** | **PART DESCRIPTION** | **FIND** |
| TP1 | TEST POINT | KE5000 |  | 1 |
| TP2 | TEST POINT | KE5000 |  | 2 |
| TP3 | TEST POINT | KE5000 |  | 3 |
| P1 | RECEPTACLE | KE6060 |  | 4 |
| P2 | RECEPTACLE | KE6060 |  | 5 |
| P3 | RECEPTACLE |  | BANANA JACK | 6 |
| P4 | RECEPTACLE |  | BANANA JACK | 7 |
| R1 | RESISTOR |  | THD, 20mm PITCH | 8 |
| R2 | RESISTOR |  | THD, 20mm PITCH | 9 |
| R3 | RESISTOR |  | THD, 20mm PITCH | 10 |
| R4 | RESISTOR |  | THD, 20mm PITCH | 11 |
| R5 | RESISTOR |  | THD, 20mm PITCH | 12 |
| R6 | RESISTOR |  | THD, 20mm PITCH | 13 |
| SW1 | SWITCH | CK1101 | SWITCH, SPDT | 14 |

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| WORDMARK | FIGUREMARK | FIGUREMARK |
| miniPCB™ | A picture containing drawing  Description automatically generated™ | Icon  Description automatically generated™ |

# Revision History

|  |  |  |  |
| --- | --- | --- | --- |
| REV | DESCRIPTION | ECO | DATE |
| A | Initial Release | 1017 |  |
|  |  |  |  |