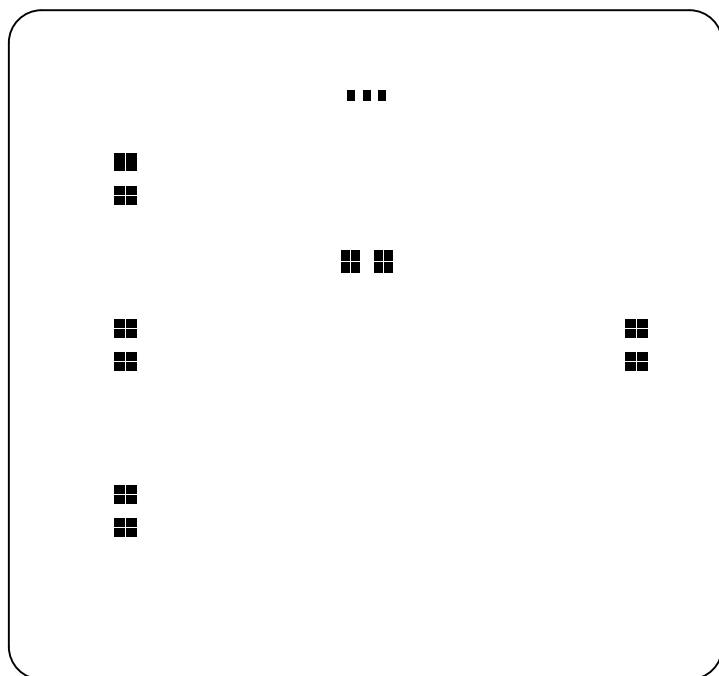


705-02190A0 Top Solder Paste



PCB#: 705-02190 REV A0
MSSY: 710-02191 REV A0

N/S

Use 4x3mm Spacers

CenterTap Jumpers

Connection

Output Voltages

Power Taps

R52

R53

R65

R76

RZ3

JP10

BM

BM Dev Board Cells

CONFIGURATIONS:

2 CELL: DNP: R65, R73 JP10 -> B
3 CELL: DNP: B3, R52, R53, R76 JP10 -> B
4 CELL: DNP: R52, R53, R73, R76 JP10 -> A

PCB: 705-02190 REV A0
ASSY: 710-02191 REV A0

N/S

Use 4x3mm Spacers

JP10

R73

R76

||

PUMPKINTM
SPACE SYSTEMS
www.pumpkinspace.com www.cubesatkit.com

BM Dev Board Cells

CONFIGURATIONS:

2 CELL:

DNP: R65, R73

JP10 -> B

3 CELL:

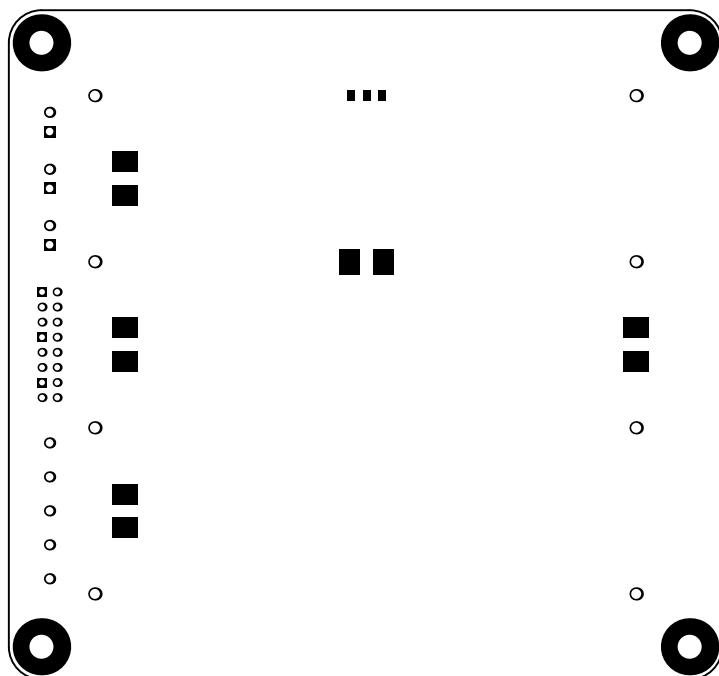
3 CELL:
DNP: B3,R52,R53,R76
JP10 -> B

4 CELL:

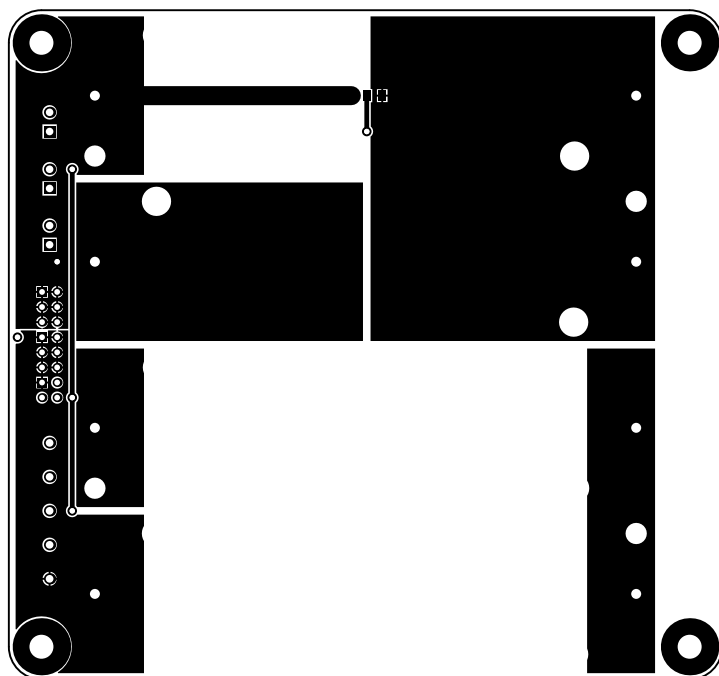
4 CELL:
DNP: R52, R53, R73, R76
JP10 -> A

705-02190A0

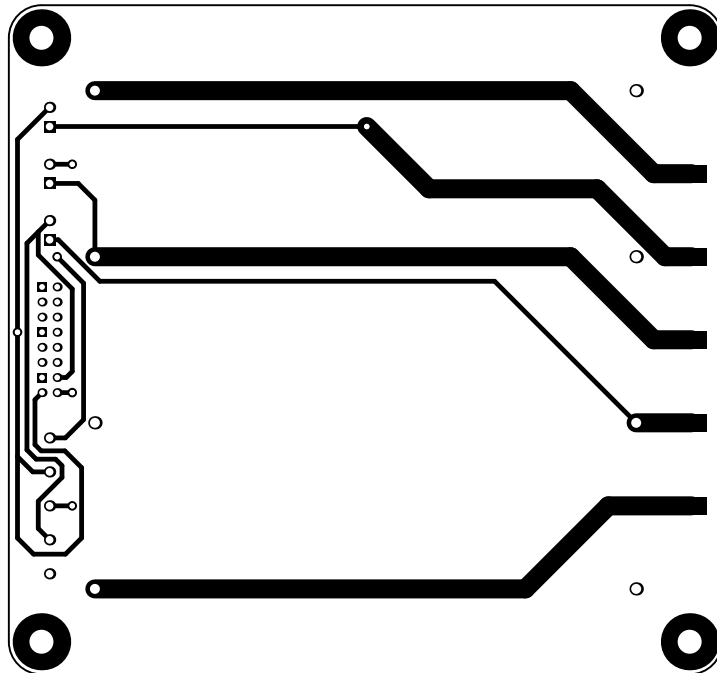
Top Soldermask



705-02190A0 Layer 1 (TOP)

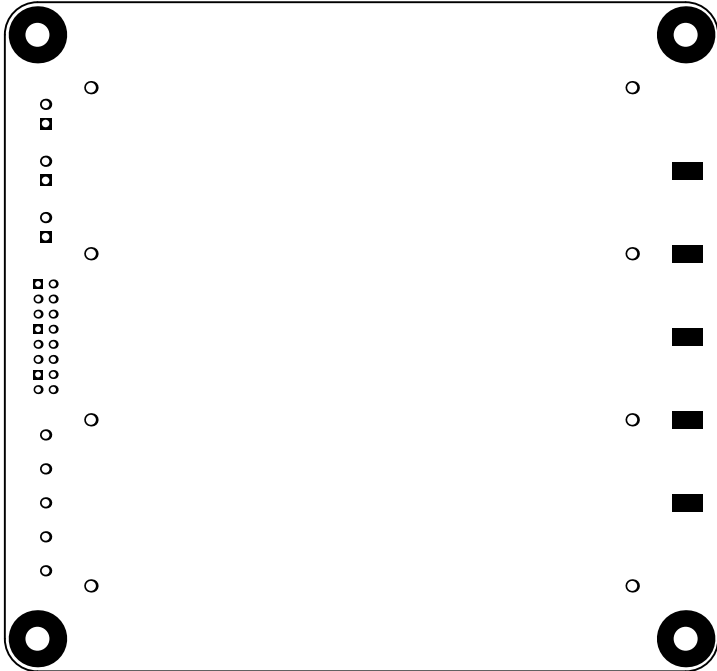


705-02190A0 Layer 4 (BOTTOM)



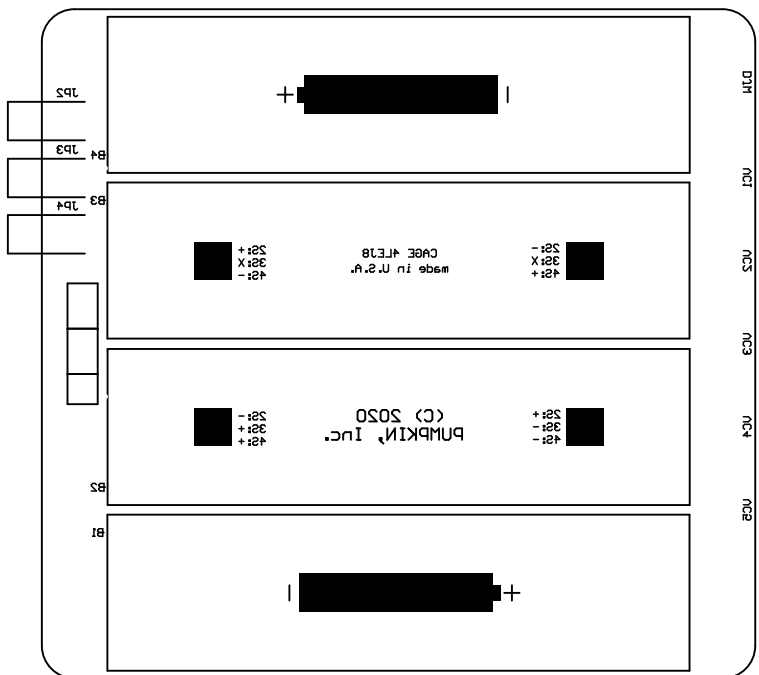
705-02190A0

Bottom Soldermask Bottom Soldermask



Bottom Silkreen

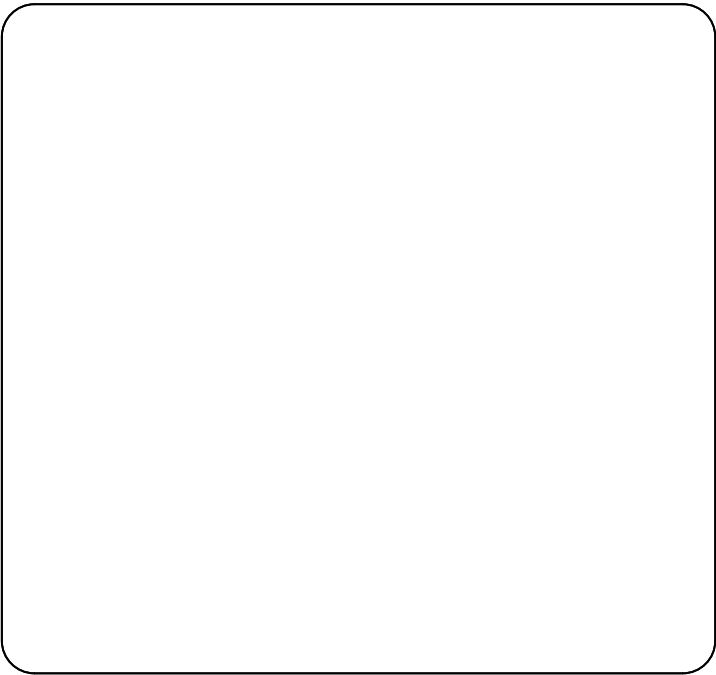
705-02190A0



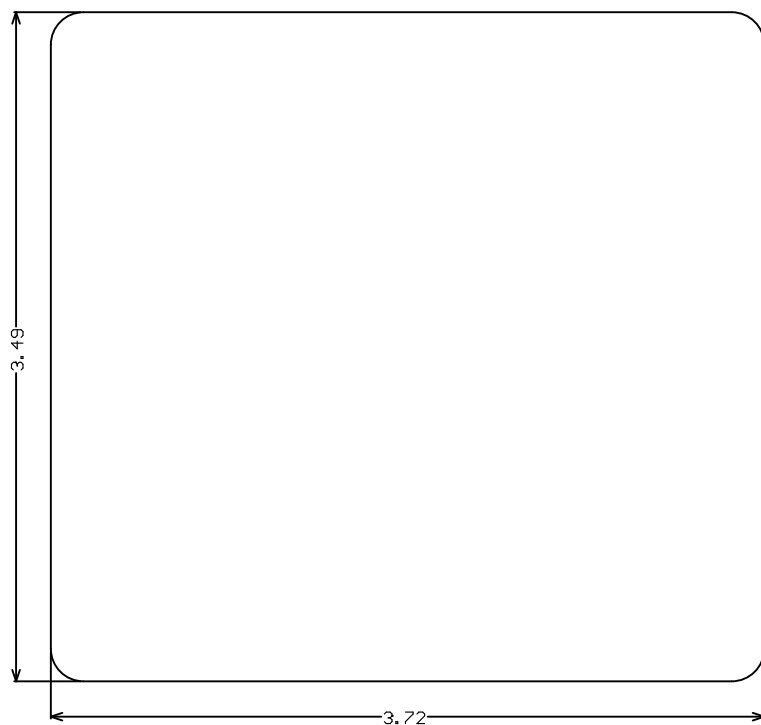
705-02190A0 Bottom Solder Paste



705-02190A0



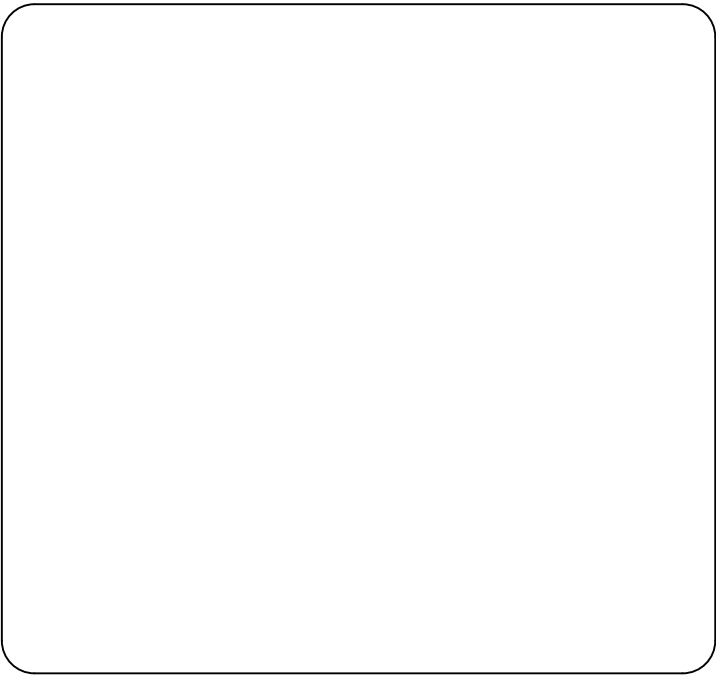
705-02190A0 Mechanical Drawing



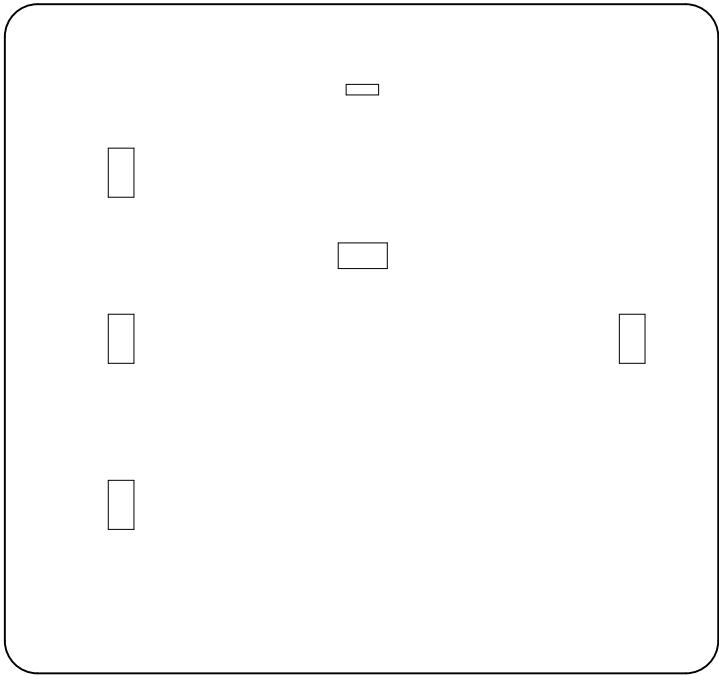
FABRICATION NOTES:

1. ALL DIMENSIONS IN INCHES
2. SCALE IS 1:1
4. SMOBC BOTH SIDES. COLOR: RED
5. SOLDERMASK IS LPI, SEMI-GLOSS FINISH
6. SILKSCREEN LEGEND WHITE
7. SILKSCREEN TOP AND BOTTOM
8. FINAL BOARD THICKNESS = 0.062"
9. FINAL COPPER THICKNESS = 1oz
10. 2 CIRCUIT LAYERS
11. MINIMUM SPACING 0.007"
12. MINIMUM SMD PITCH IS 0.020"
13. SURFACEMOUNT COMPONENTS TOP AND BOTTOM
14. DO NOT ADD TOOLING HOLES
16. NUMBER OF SMD PADS: 18
17. NUMBER OF HOLES: 57
18. SMALLEST HOLE IS 0.7mm
19. ENTIRE BOARD TO BE IMMERSION GOLD 2 MICROINCHES
MINIMUM OVER ELECTROLESS NICKEL 150 MICROINCHES
PER IPC-4552

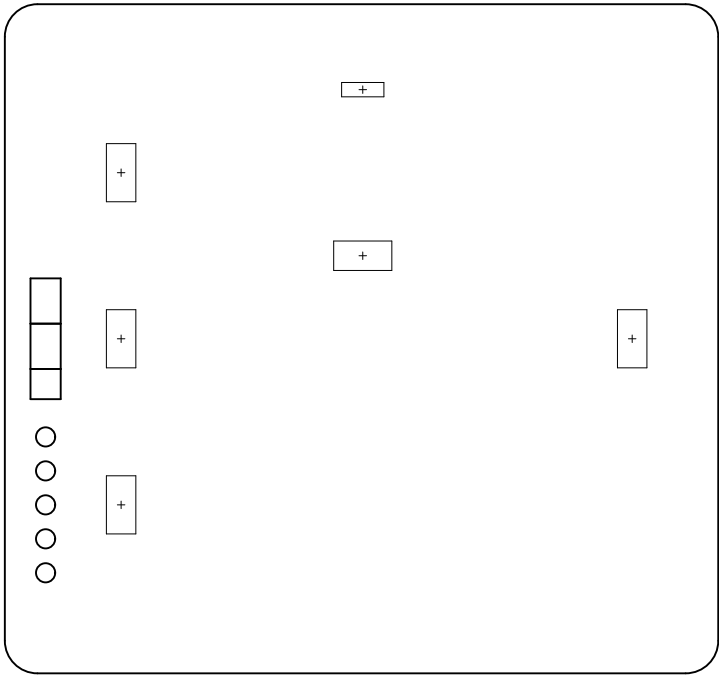
705-02190A0



705-02190A0

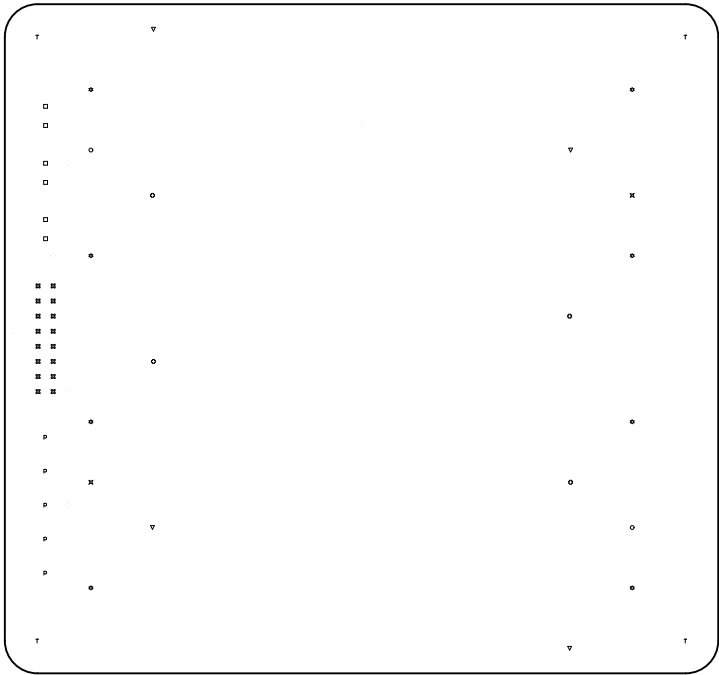


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Drill Drawing



Symbol	Count	Hole Size	Plated	Hole Type	Hole Length	Rout Path Length
◇	6	28.00mil (0.711mm)	PTH	Round	-	-
⊠	16	30.00mil (0.762mm)	PTH	Round	-	-
□	6	39.37mil (1.000mm)	PTH	Round	-	-
p	5	40.16mil (1.020mm)	PTH	Round	-	-
☆	8	52.00mil (1.321mm)	PTH	Round	-	-
○	2	94.00mil (2.388mm)	NPTH	Round	-	-
⊠	2	94.00mil (2.388mm)	PTH	Round	-	-
T	4	125.00mil (3.175mm)	PTH	Round	-	-
▽	4	136.00mil (3.454mm)	NPTH	Round	-	-
⊕	4	136.00mil (3.454mm)	PTH	Round	-	-
	57 Total					

705-02190A0

