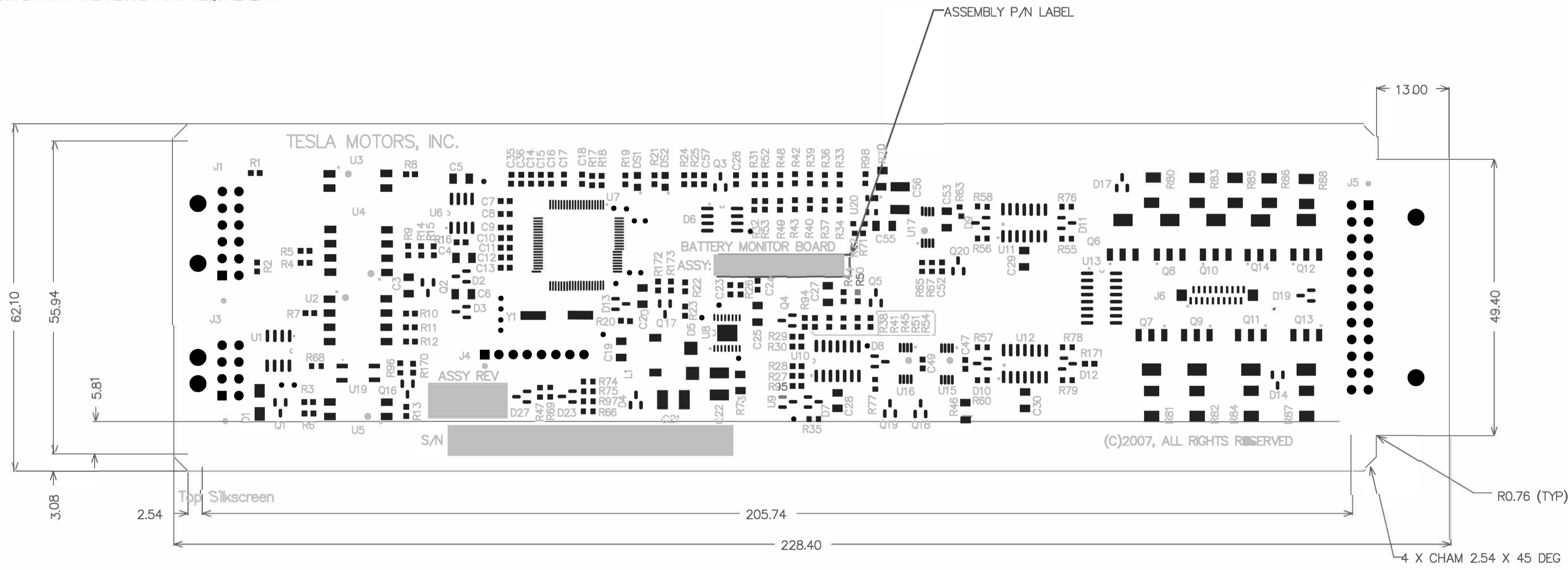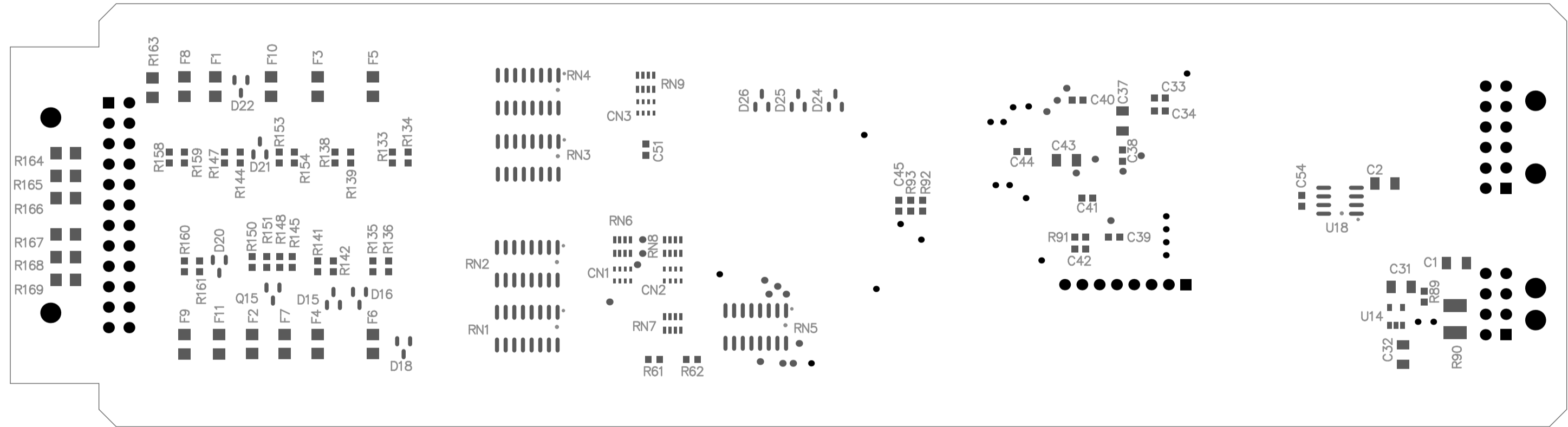NOTES: (UNLESS OTHERWISE SPECIFIED)

1. THIS ASSEMBLY SHALL CONFORM TO IPC-A-610 (CLASS 2) AND IPC/EIA-J-001 (CLASS 2), LATEST REVISIONS.

2. COMPONENT LEADS SHALL NOT EXTEND 0.04 IN. (1 MM) MAX. BEYOND THE BOTTOM SIDE OF THE BOARD.

3. REFER TO TESLA MOTORS PLM BOM 09-000144-01, LATEST REVISION FOR ITEM NUMBER DESCRIPTIONS.

4. FOR SCHEMATIC, REFER TO 09-000144-01, LATEST REVISION.

5. FOR SOLDER PASTE, USE 09-000144-PT.GPT (TOP SIDE), AND 09-000144-PB.GPB (BOTTOM SIDE), LATEST REVISIONS.

6. N/A

7. PLACE ASSEMBLY LABEL APPROX. WHERE SHOWN. REFER TO BOM FOR DETAILS.

   A. LABEL TO BE UL/CSA APPROVED NON-METALIC POLYESTER (MATTE WHITE), NON-FLAMMABLE
      WITH TEMP RATING >=105 DEG C. LABEL MATERIAL MUST SURVIVE FOR A MINIMUM OF 5 YEARS
      IN THE AMBIENT ENVIRONMENT (REMAINING ATTACHED AND READABLE).

8. SOLDER:

   -- ALL SOLDER MATERIALS USED ON THIS ASSEMBLY SHALL BE APPROVED BY TESLA MOTORS.
   -- REWORK SOLDER AND FLUX MUST BE COMPATABLE WITH A NO-CLEAN SMT PROCESS.
   -- ALL SOLDER WIRE USED FOR REWORK SHALL HAVE A NON-CORROSIVE, NON-CONDUCTIVE FLUX.
   -- ALL FLUX USED FOR REWORK SHALL BE NON-CORROSIVE AND NON-CONDUCTIVE.

9. CLEANLINESS:

   -- EXCEPT WHERE NO-CLEAN SOLDER IS USED, AN ACCEPTABLE AQUEOUS CLEAN PROCESS SHALL BE USED.
   -- ALL REWORK SHALL BE SPOT CLEANED EXCEPT WHERE NO-CLEAN SOLDER IS USED.

R 10. ALL MATERIALS AND COATINGS MUST COMPLY WITH EU DIRECTIVE 2000/53/EC (ELV DIRECTIVE).

R 11. THIS COMPONENT HAS BEEN DESIGNED TO COMPLY WITH A REGULATORY REQUIREMENT.
    CONTACT TESLA TYPE APPROVAL BEFORE UNDERTAKING DESIGN MODIFICATIONS. A
    COMPONENT WHICH EMBODIES ALL REQUIREMENTS STATED ON THIS DRAWING WILL
    COMPLY WITH THE REGULATORY REQUIREMENT.

ASSEMBLY P/N LABEL

TESLA MOTORS, INC.

BATTERY MONITOR BOARD
ASSY:

ASSY REV

S/N

Top Silkscreen

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13.00
62.10
55.94
49.40
5.81
3.08
2.54
205.74
228.40

R0.76 (TYP)

4 X CHAM 2.54 X 45 DEG

ENGINEER:	TITLE:	
PCB DESIGNER:	ASSY, BATTERY MONITOR PCB	
DATE:	PART NO.:	REV:
FILE NAME:	DWG NO.:	SCALE: 1

p

R163
F8
F1
F10
F3
F5
RN4
RN9
CN3
C37
C33
C40
C34
D22
R158
R159
R147
R144
D21
R153
R154
R138
R139
R133
R134
RN3
C51
D26
D25
D24
C43
C38
R164
C45
C44
C41
R165
R93
R166
R92
RN6
R167
R160
D20
R150
R151
R148
R145
R141
R142
R135
R136
R91
C39
R168
RN2
CN1
RN8
C42
R169
CN2
C31
C1
F9
R161
Q15
F7
D15
D16
R89
F11
F4
F6
RN7
RN5
U14
C2
D18
R61
R62
C32
R90
RN1

C54
C2
U18

Bottom Silkscreen