

87654321

REVISION HISTORY

REV	DATE	COMMENTS	ENG
2	12/11/14	CHANGES INCORPORATED PER BUGS: 693 751 752 753 786 787	SN

REQUIREMENTS

1. MANUFACTURE BOARD IAW (IN ACCORDANCE WITH) IPC-6012, CLASS 2.

2. TOTAL BOARD THICKNESS: 62 MILS +/- 10% ALL MATERIAL SHALL BE RoHS-COMPLIANT FR-4 OR EQUIVALENT

3. COPPER PLATING ON WALL OF PLATED THROUGH HOLES SHALL BE 1 MIL MIN.

4. MINIMUM TRACE AND SPACE SHALL BE 8 MILS

5. SOLDERMASK:

5.1 LIQUID PHOTOIMAGEABLE (LPI) SOLDERMASK OVER BARE COPPER (SMOBC), TOP AND BOTTOM SIDES

5.2 COLOR: GREEN

5.3 RESIZING FOR OPTIMAL MASK CLEARANCE TO CONDUCTIVE FEATURES PERMISSIBLE.

6. HOLES:

6.1 UNLESS OTHERWISE SPECIFIED ALL HOLE SIZES SHALL BE AS SPECIFIED +/- 3 MILS.

6.2 HOLE SIZE TOLERANCE FOR 10MIL HOLE IS +3 - 10 MILS.

7. SURFACE FINISH SHALL BE ELECTROLESS NICKEL IMMERSION GOLD (ENIG)

8. DRC'S MUST BE RUN ON GERBERS BEFORE BUILDING BOARDS UNLESS PRIOR APPROVAL IS GIVEN IN WRITING.

9. BOARD SHALL BE ELECTRICALLY TESTED USING IPC-NETLIST FILE GIVEN UNLESS PRIOR APPROVAL IS GIVEN IN WRITING.

10. TOOLING RAILS WITH ROUTE-AND-RETAIN ARE REQUIRED ON PANEL FOR ASSEMBLY, PANELIZATION IS DETERMINED BY VENDOR. ROUGH BOARD EDGES RESULTING FROM DE-PANELIZATION SHALL BE SANDED SMOOTH.

11. SILKSCREEN COLOR: WHITE

12. REMOVAL OF NON-FUNCTIONAL PADS IS PERMISSIBLE.

13. WARP OR TWIST OF BOARD SHALL NOT EXCEED 0.75%

14. REMOVE ALL BURRS AND BREAK SHARP EDGES 10 MILS MAXIMUM.

62.0 + 10%
- 10%

DETAIL A

LAYER STACKING CONFIGURATION

SCALE = NONE

LAYER 1 SILKSCREEN

LAYER 1 SOLDER MASK

LAYER 1 - TOP - 1 OZ PLUS PLATING

DIELECTRIC

LAYER 2 - GROUND PLANE - 1 OZ

DIELECTRIC

LAYER 3 - POWER 1 - 1 OZ

DIELECTRIC

LAYER 4 - POWER 2 - 1 OZ

DIELECTRIC

LAYER 5 - GROUND PLANE 1 - 1 OZ

DIELECTRIC

LAYER 6 - BOTTOM - 1 OZ PLUS PLATING

LAYER 6 SOLDER MASK

LAYER 6 SILKSCREEN

D3

D3 ENGINEERING
1057 E Henrietta Road
Rochester, NY 14623

TITLE
PCB,
AUTOMOTIVE BOOST
MODULE

DWG
B
SIZE

ITEM NO.
PCB-034014001

REV
2

DRAWN BY:
B.NOEL

APPROVED BY:
S.NANDURI

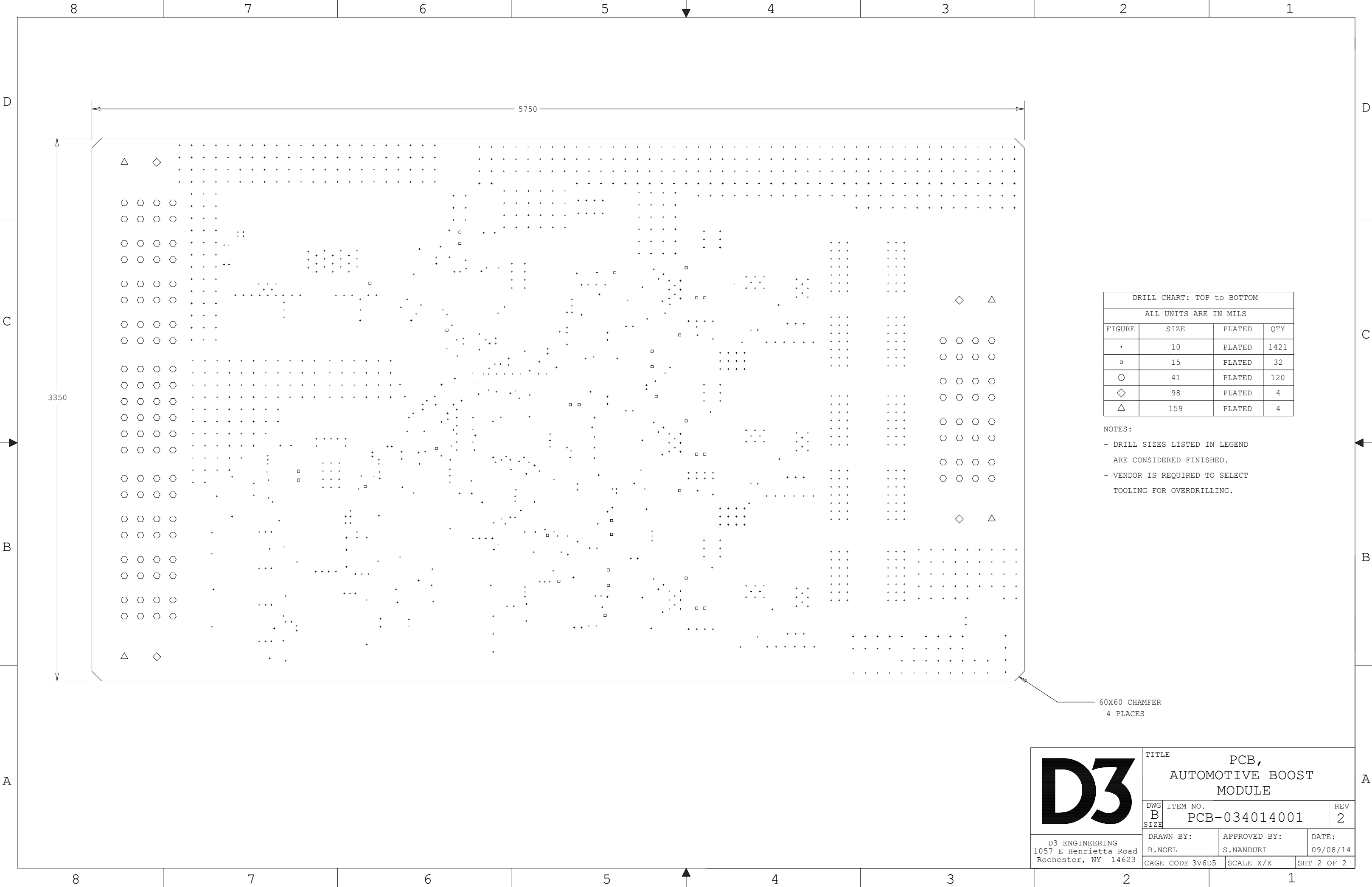
DATE:
09/08/14

CAGE CODE 3V6D5

SCALE X/X

SHT 1 OF 2

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SHT 2 OF 2