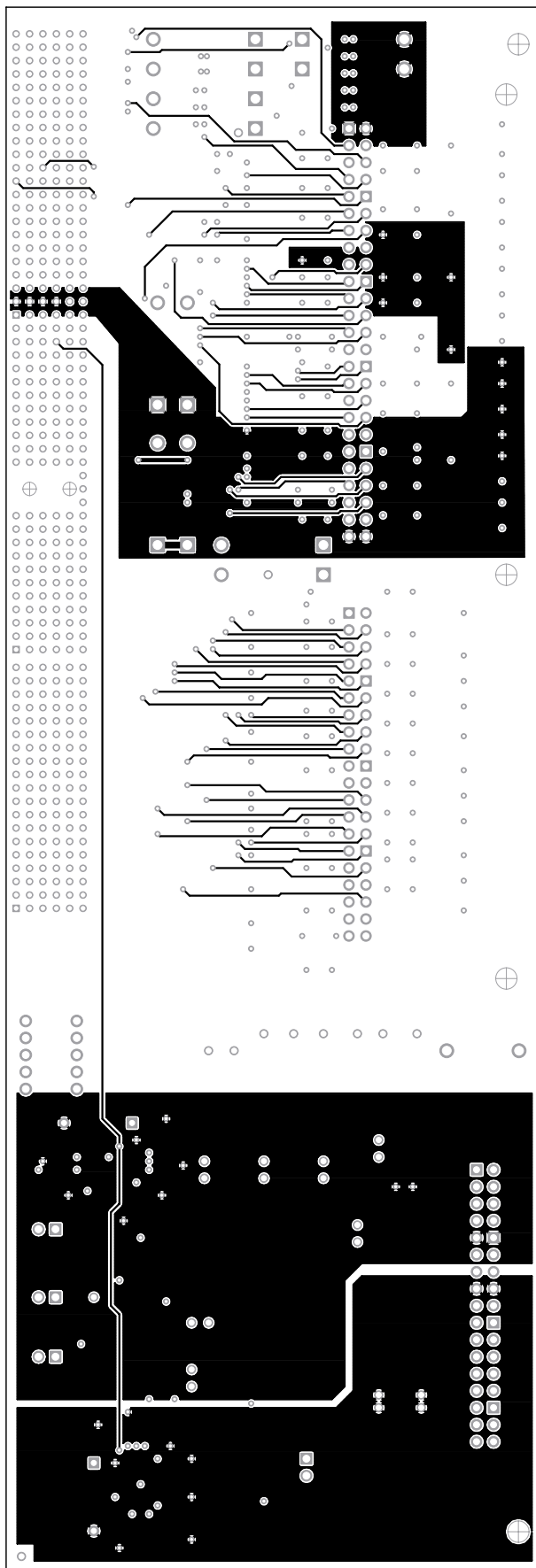


TOP SIDE CONDUCTORS (LAYER-1) PRIMARY
POSITIVE IMAGE WHEN BOX IS FILLED ■

National Optical Astronomy Observatory
Drawing Number: MNSN-EL-04-3010 REV A
Next Assy: MNSN-EL-04-1010

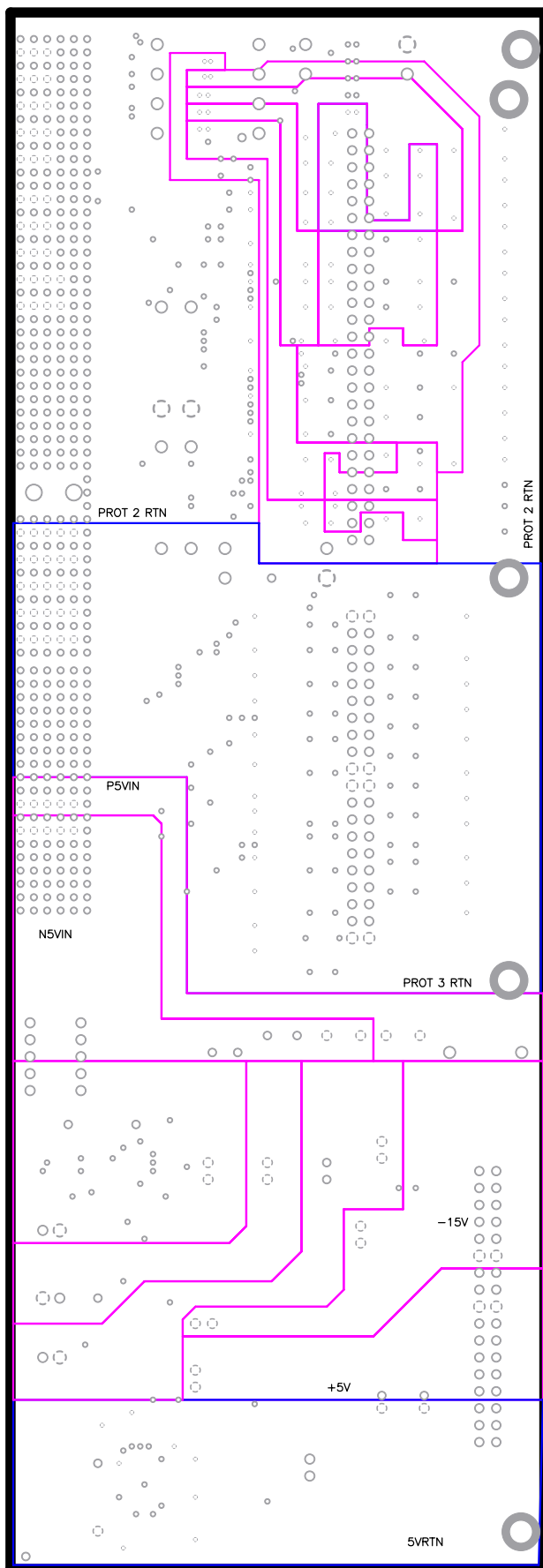
GENERIC CLOCK & BIAS TRANSITION CARD 04OCT05 SH 1 of 10



INTERNAL CONDUCTORS (LAYER-2)
 POSITIVE IMAGE WHEN BOX IS FILLED ■

National Optical Astronomy Observatory
 Drawing Number: MNSN-EL-04-3010 REV A
 Next Assy: MNSN-EL-04-1010

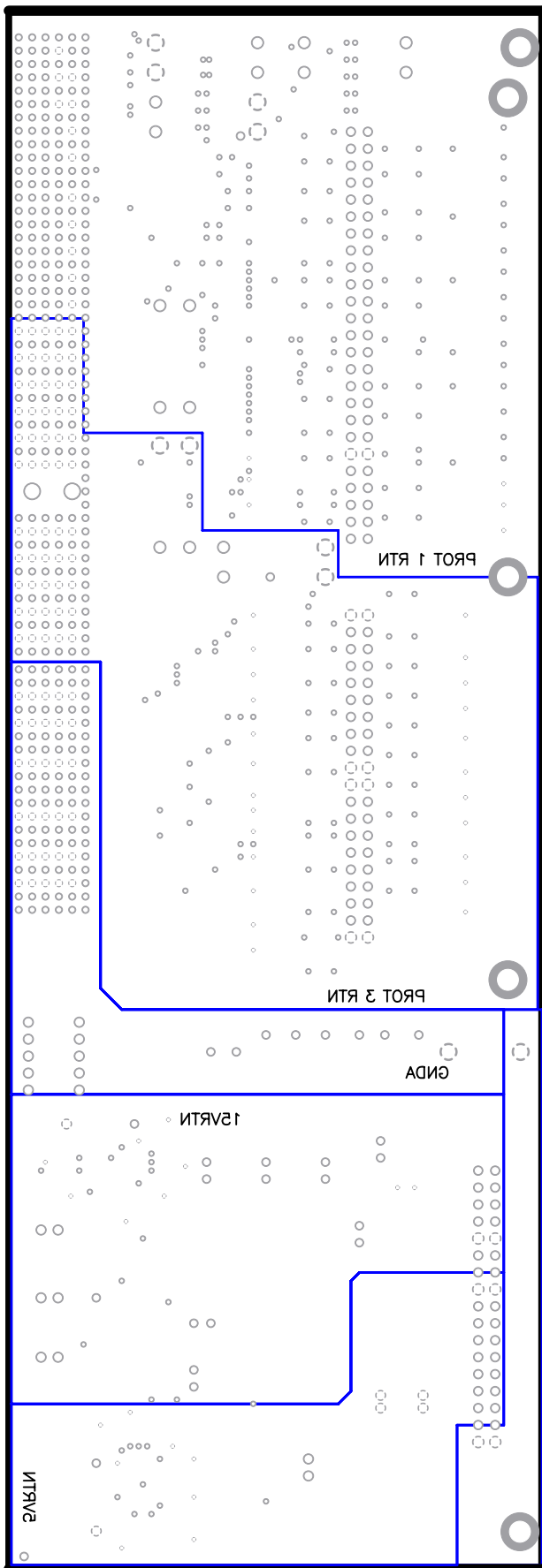
GENERIC CLOCK & BIAS TRANSITION CARD 04OCT05 SH 2 of 10



POWER PLANE (LAYER-3)
 POSITIVE IMAGE WHEN BOX IS FILLED ☐

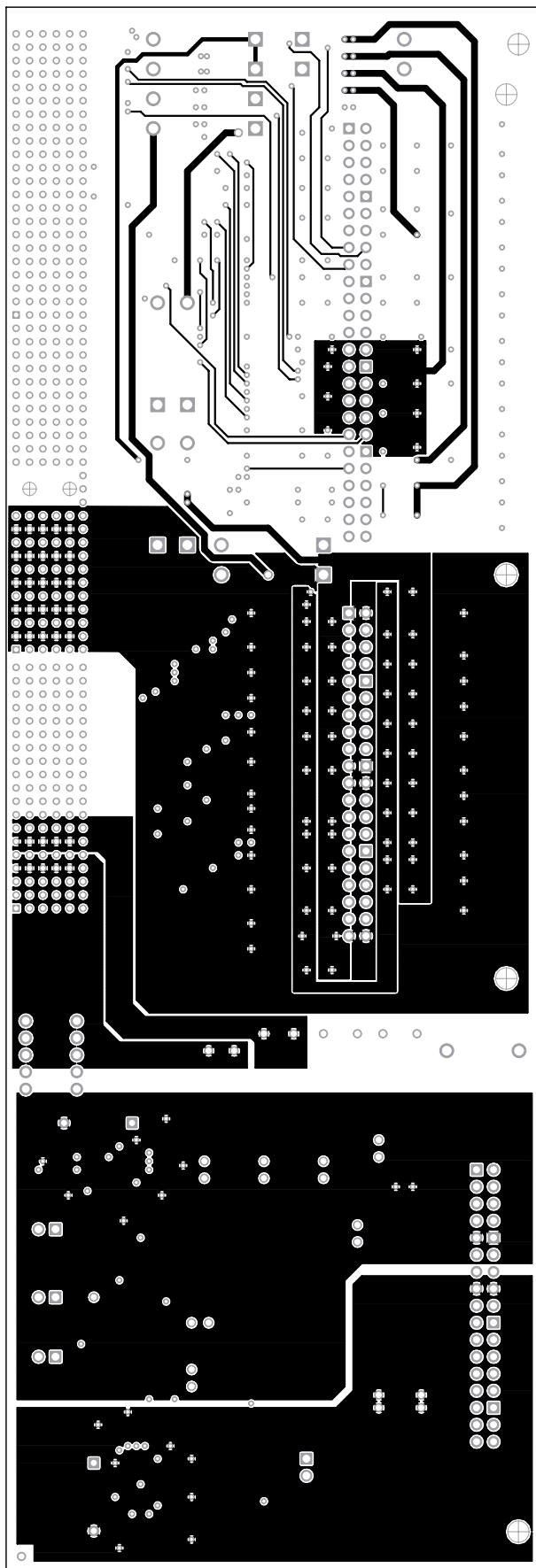
National Optical Astronomy Observatory
 Drawing Number: MNSN-EL-04-3010 REV A
 Next Assy: MNSN-EL-04-1010

GENERIC CLOCK & BIAS TRANSITION CARD 04OCT05 SH 3 of 10



GROUND PLANE (LAYER-4)
 POSITIVE IMAGE WHEN BOX IS FILLED ☐

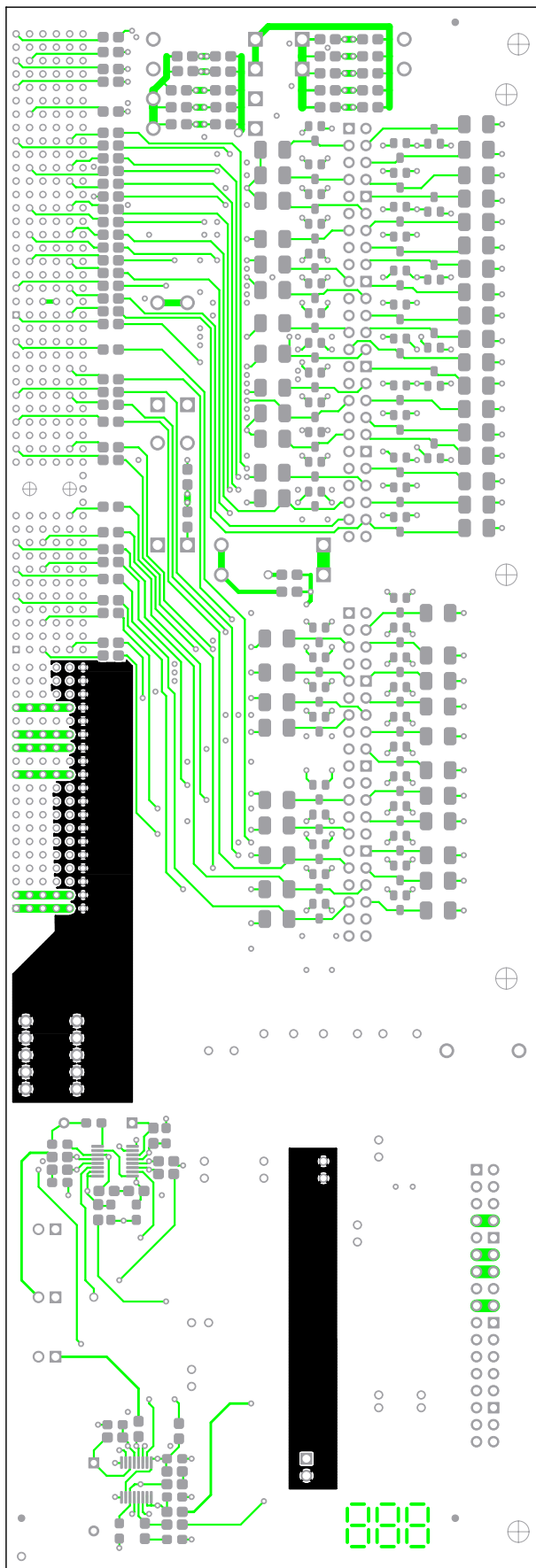
National Optical Astronomy Observatory
 Drawing Number: MNSN-EL-04-3010 REV A
 Next Assy: MNSN-EL-04-1010



INTERNAL CONDUCTORS (LAYER-5)
 POSITIVE IMAGE WHEN BOX IS FILLED ■

National Optical Astronomy Observatory
 Drawing Number: MNSN-EL-04-3010 REV A
 Next Assy: MNSN-EL-04-1010

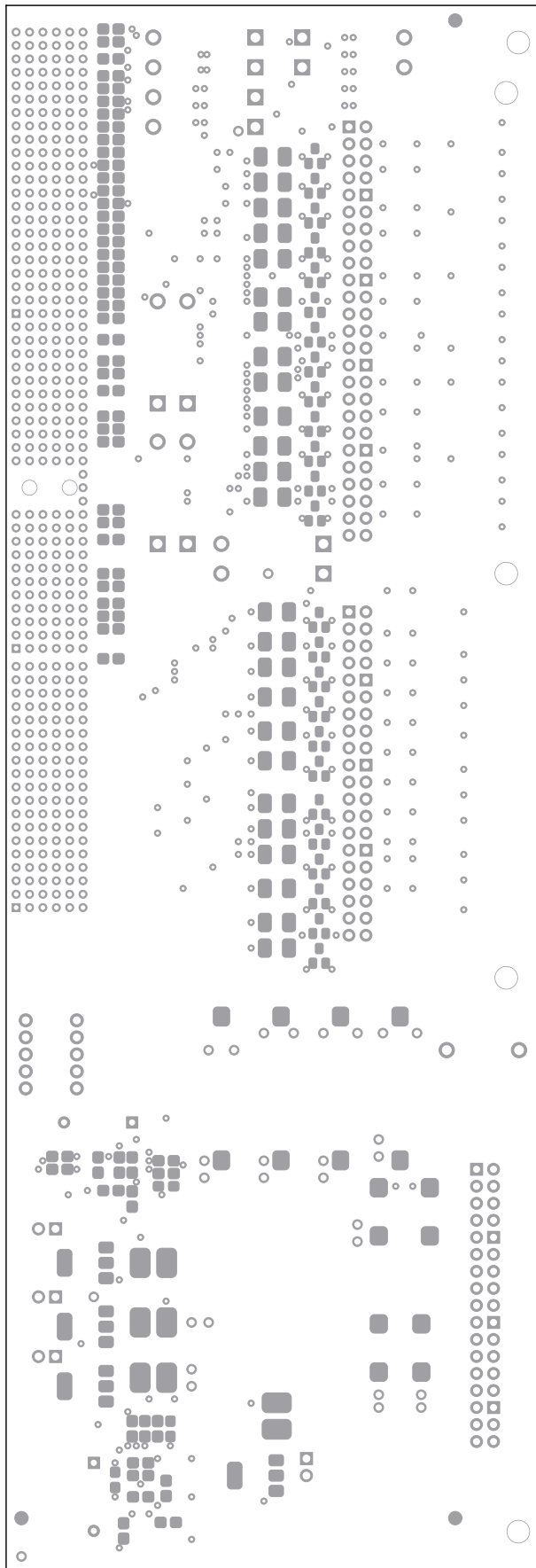
GENERIC CLOCK & BIAS TRANSITION CARD 04OCT05 SH 5 of 10



YRAD3022 (8-LAYER) SECONDARY
 POSITIVE IMAGE WHEN BOX IS FILLED ■

National Optical Astronomy Observatory
 Drawing Number: MNSN-EL-04-3010 REV A
 Next Assy: MNSN-EL-04-1010

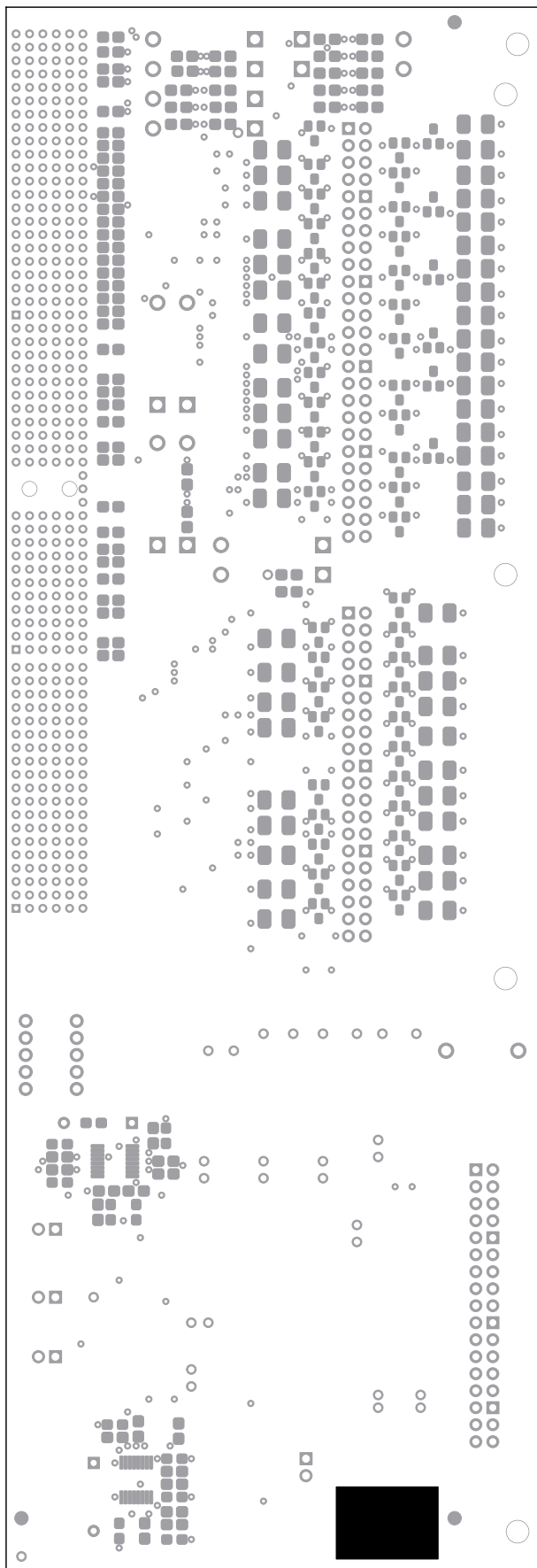
GENERIC CLOCK & BIAS TRANSITION CARD 04OCT05 SH 6 of 10



TOP SIDE SOLDERMASK (LAYER-1SM) PRIMARY
 POSITIVE IMAGE WHEN BOX IS FILLED ☐

National Optical Astronomy Observatory
 Drawing Number: MNSN-EL-04-3010 REV A
 Next Assy: MNSN-EL-04-1010

GENERIC CLOCK & BIAS TRANSITION CARD 04OCT05 SH 7 of 10



BOTTOM SIDE SOLDERMASK (LAYER-02) YAYAK M200
 POSITIVE IMAGE WHEN BOX IS FILLED ☐

National Optical Astronomy Observatory
 Drawing Number: MNSN-EL-04-3010 REV A
 Next Assy: MNSN-EL-04-1010

GENERIC CLOCK & BIAS TRANSITION CARD 04OCT05 SH 8 of 10

