



**RAPTORX BROADBAND VHF/UHF NETWORKING SYSTEM
PCB AND INTERNAL IMAGES OF NETWORK SHELF AND REDUNDANT POWER SHELF
FCC ID: 2ABCU-50739
05/01/15**

Network Shelf Images:

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- Figure 29: Bottom View, Linear Output Amplifier
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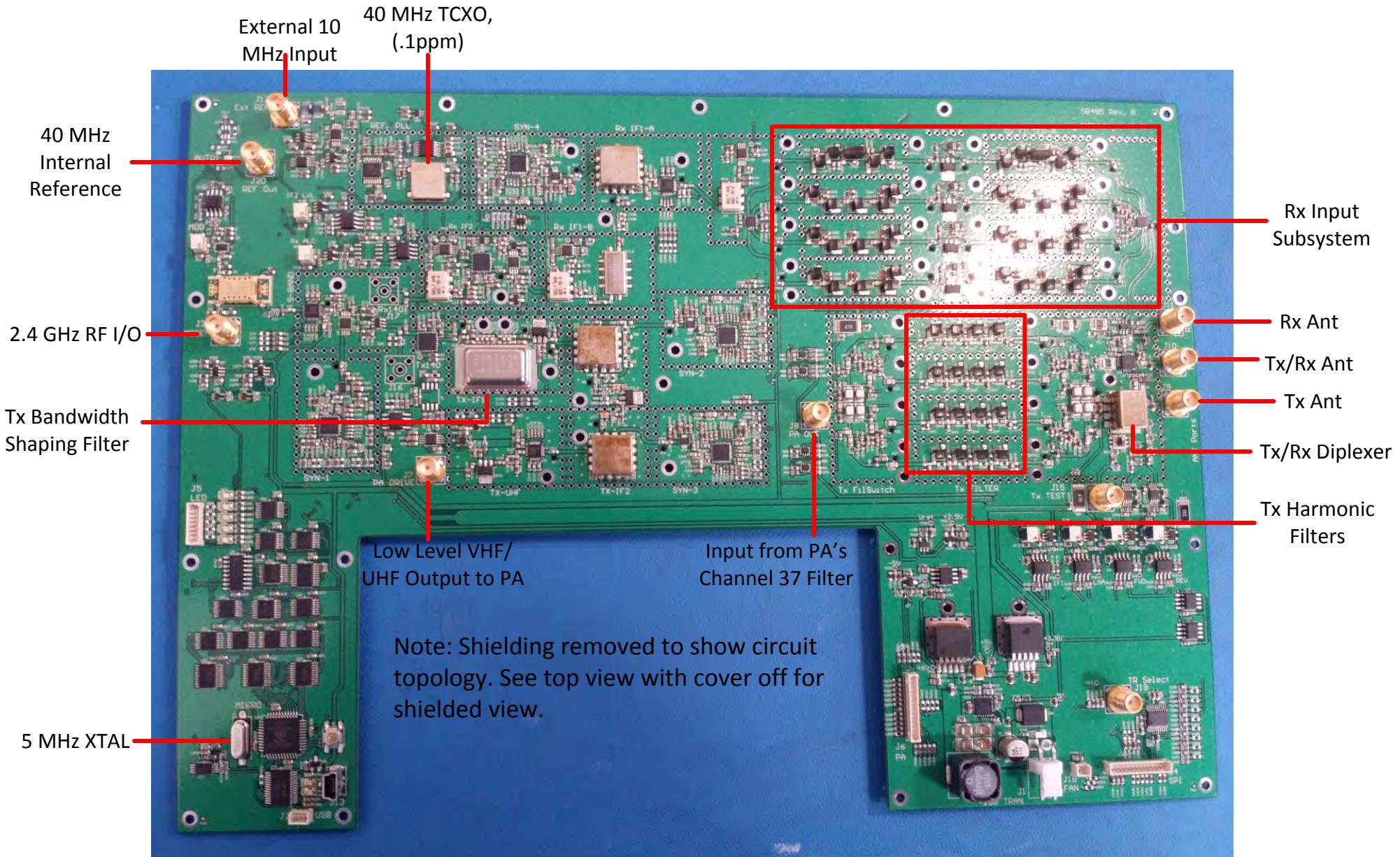
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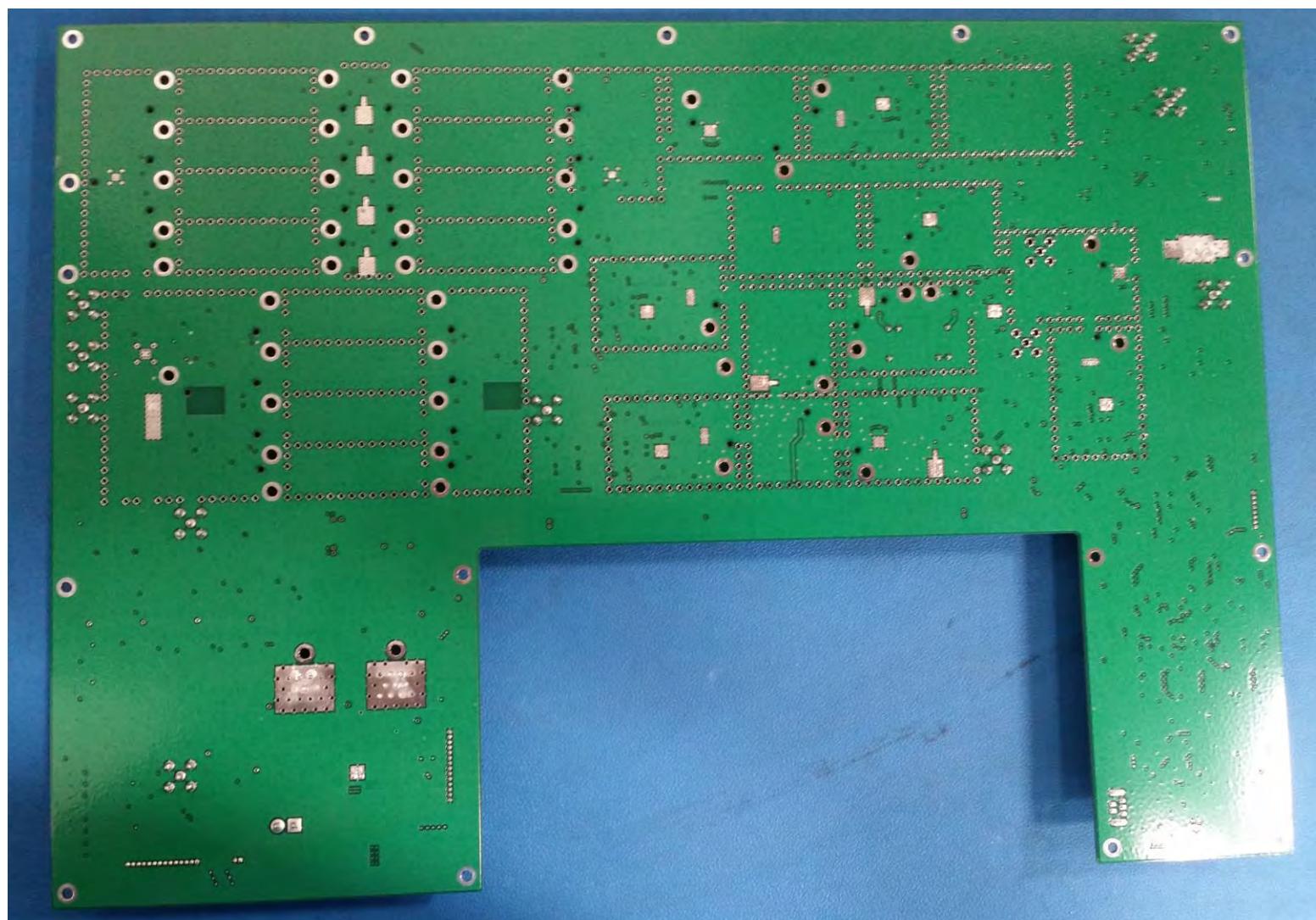
FIGURE 24: TOP VIEW, RAPTORX 2.4 GHZ TO VHF/UHF TRANSLATOR BOARD (EUT)



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FIGURE 25: BOTTOM VIEW, RAPTORX 2.4 GHZ TO VHF/UHF TRANSLATOR BOARD (EUT)



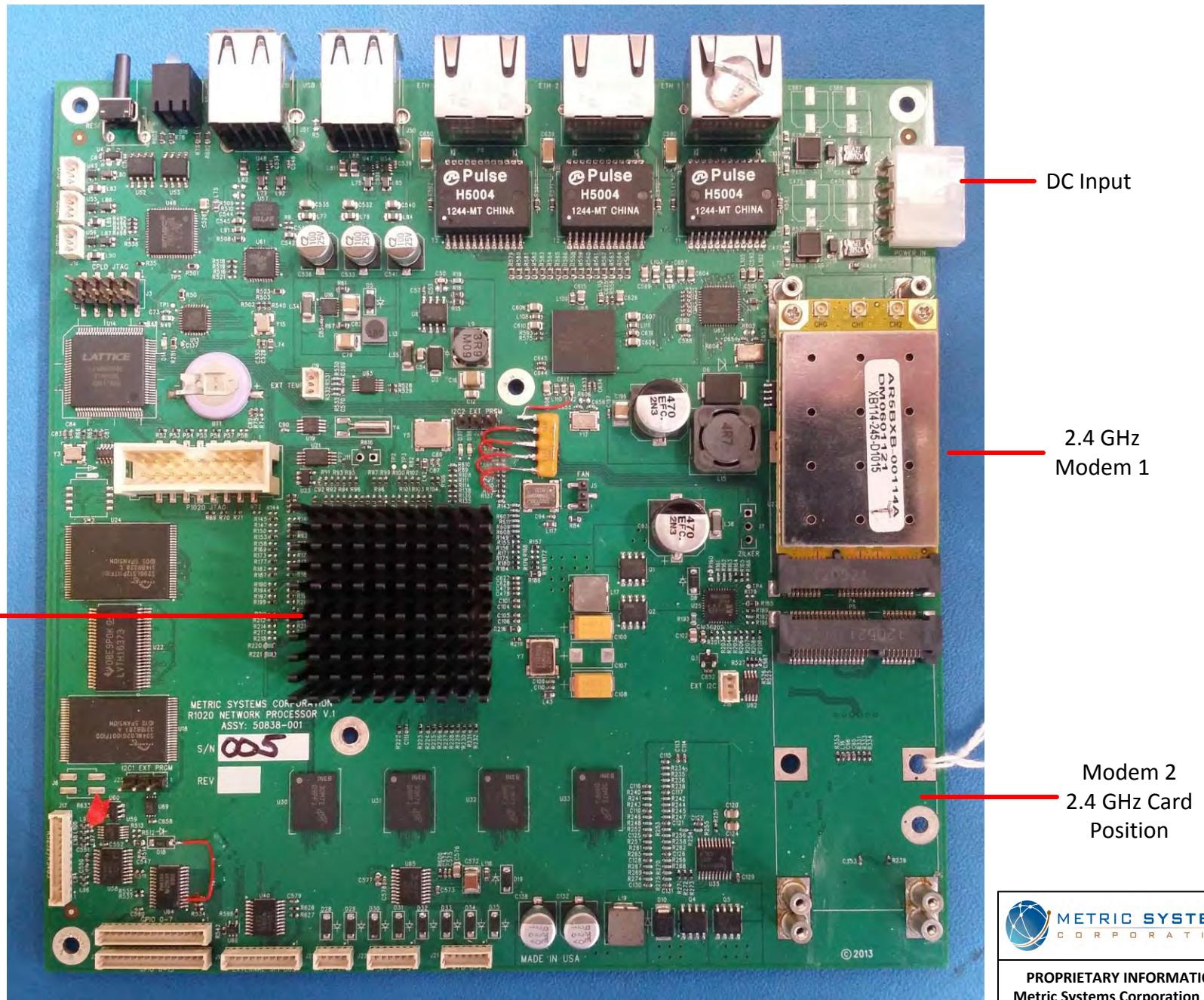
1200 mils

8500
mils



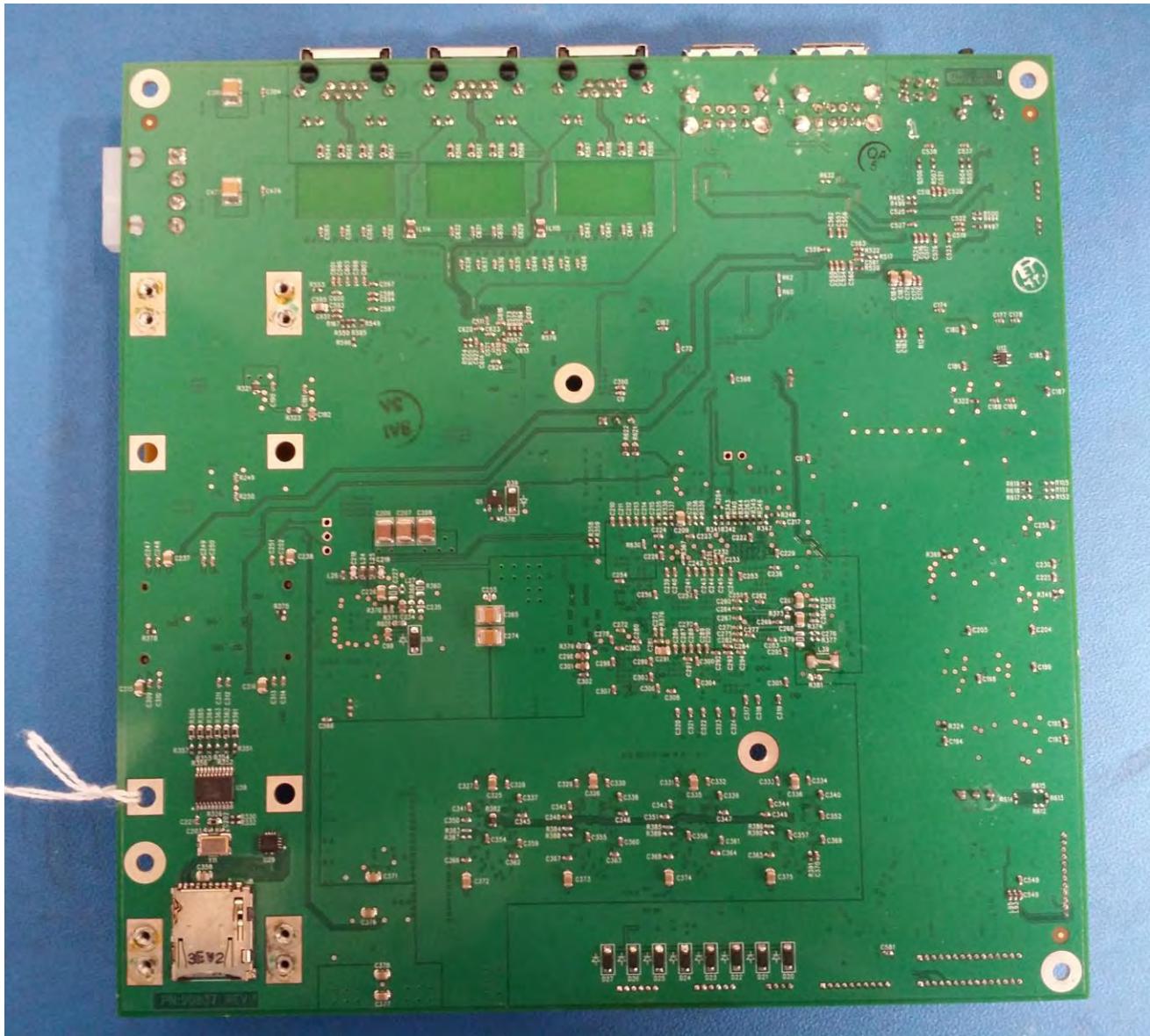
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FIGURE 26: TOP VIEW, NETWORK SHELF PROCESSOR



6.700"

FIGURE 27: BOTTOM VIEW, NETWORK SHELF PROCESSOR

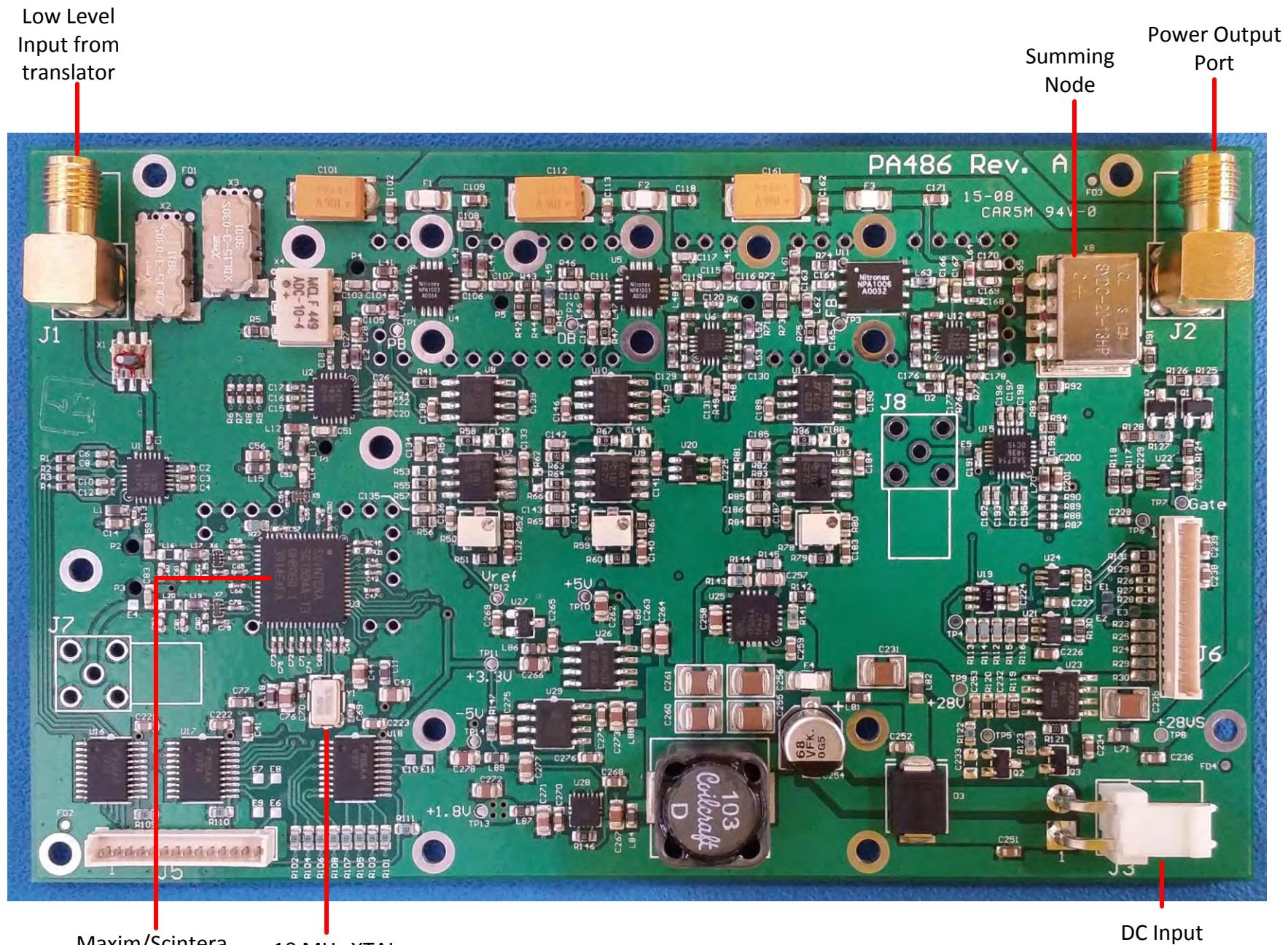


6.700"



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FIGURE 28: TOP VIEW, LINEAR OUTPUT AMPLIFIER



3.150"

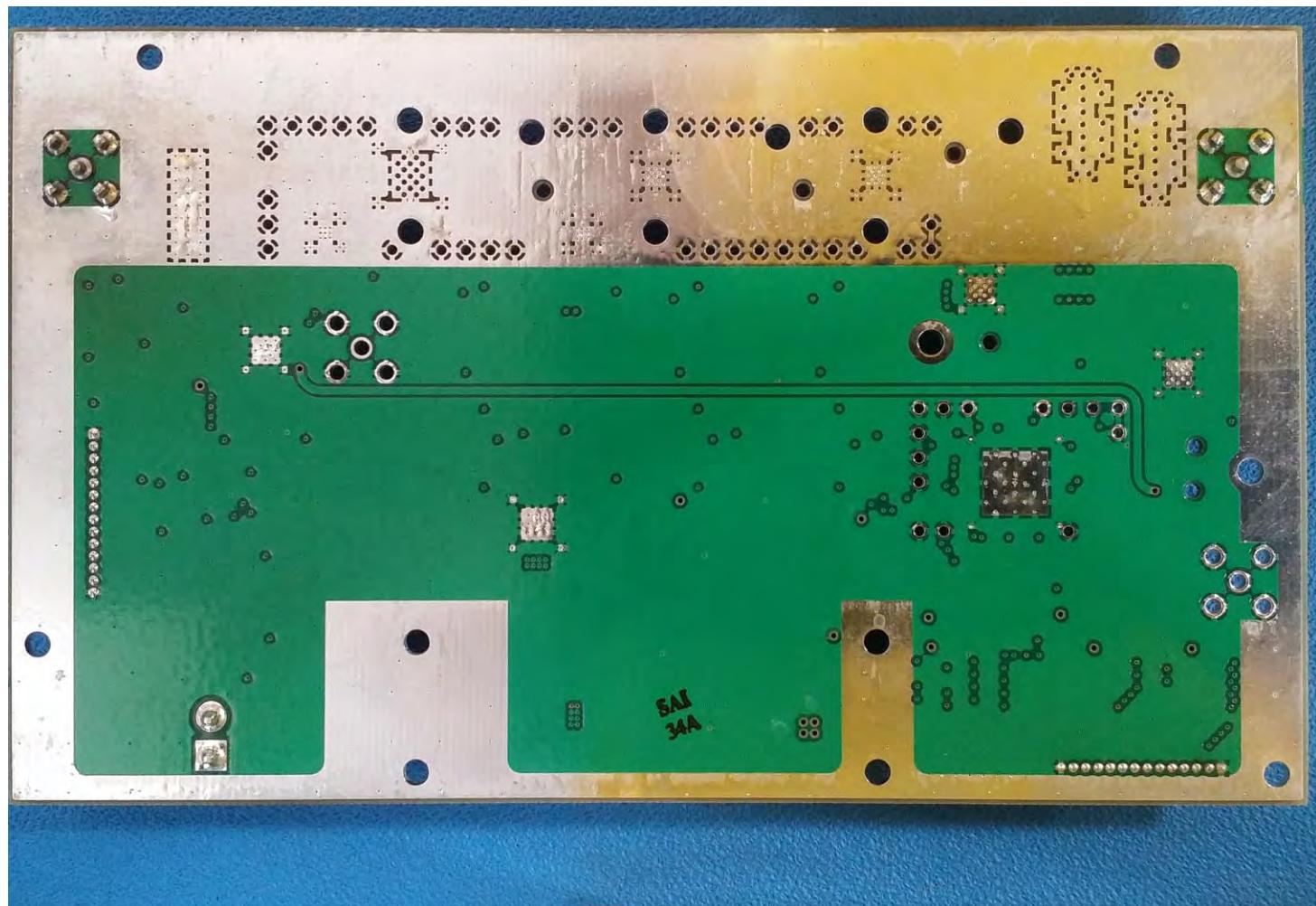
5.250"

Maxim/Scintera
Wave Form
Linearizer

10 MHz XTAL

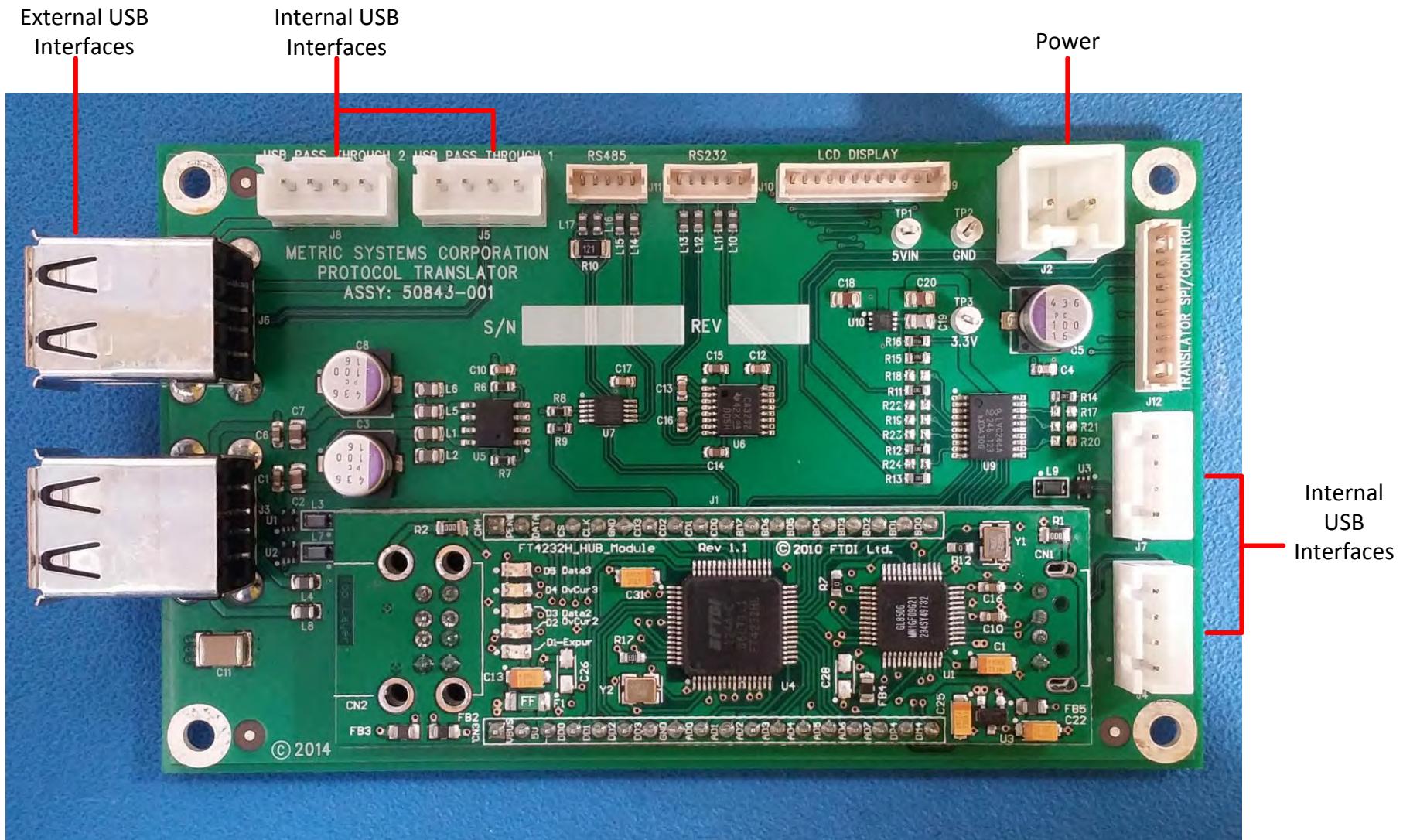
DC Input

FIGURE 29: BOTTOM VIEW, LINEAR OUTPUT AMPLIFIER



5.250"
3.150"

FIGURE 30: TOP VIEW, PROTOCOL TRANSLATOR BOARD



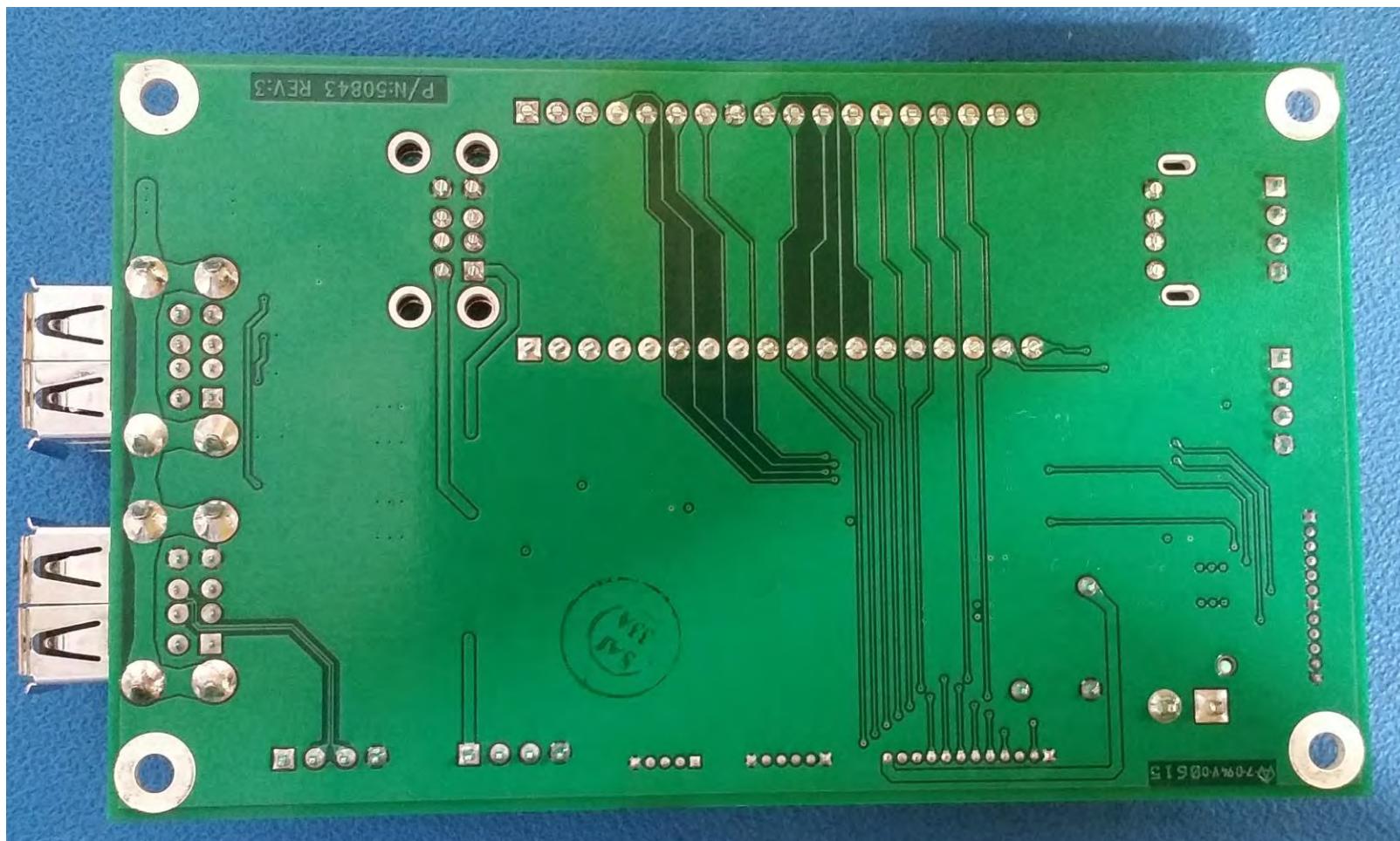
2.500"

4.150"



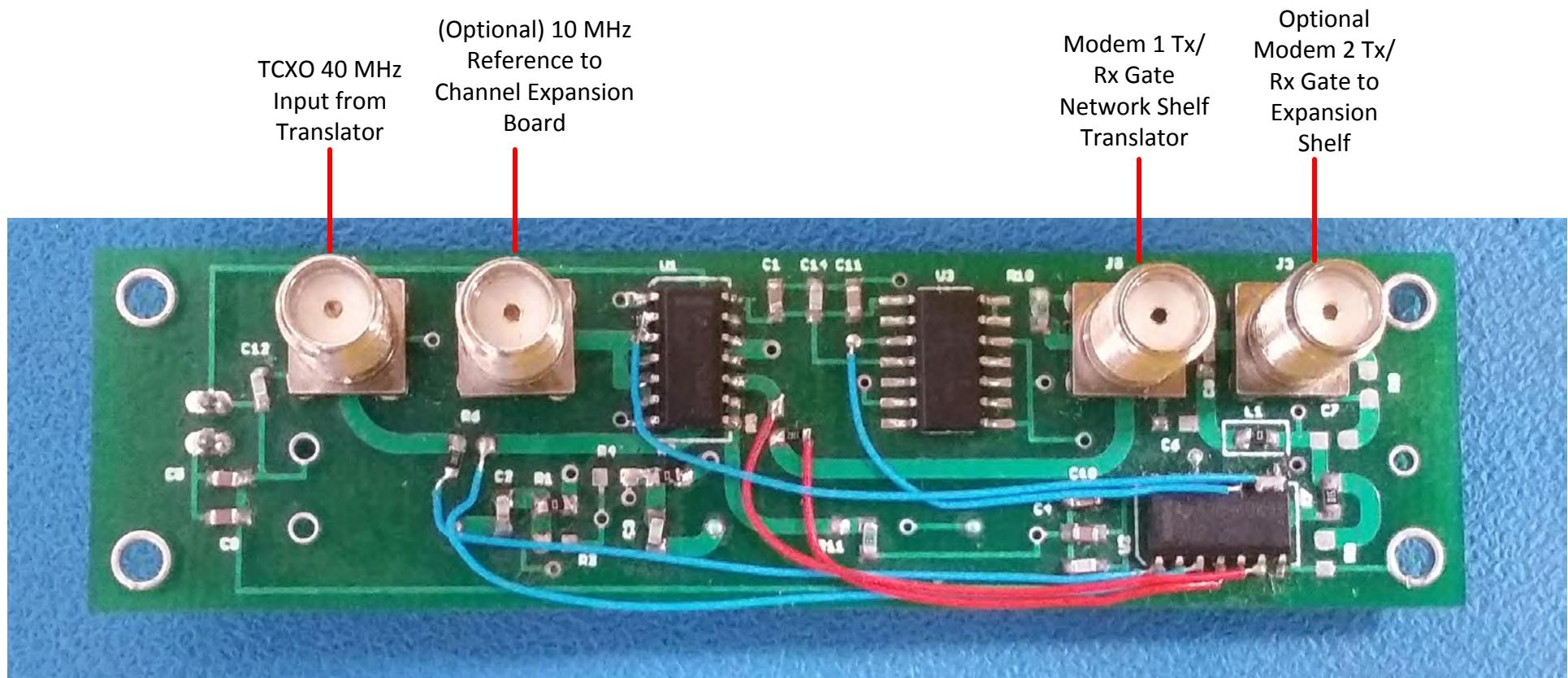
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FIGURE 31: BOTTOM VIEW, PROTOCOL TRANSLATOR BOARD



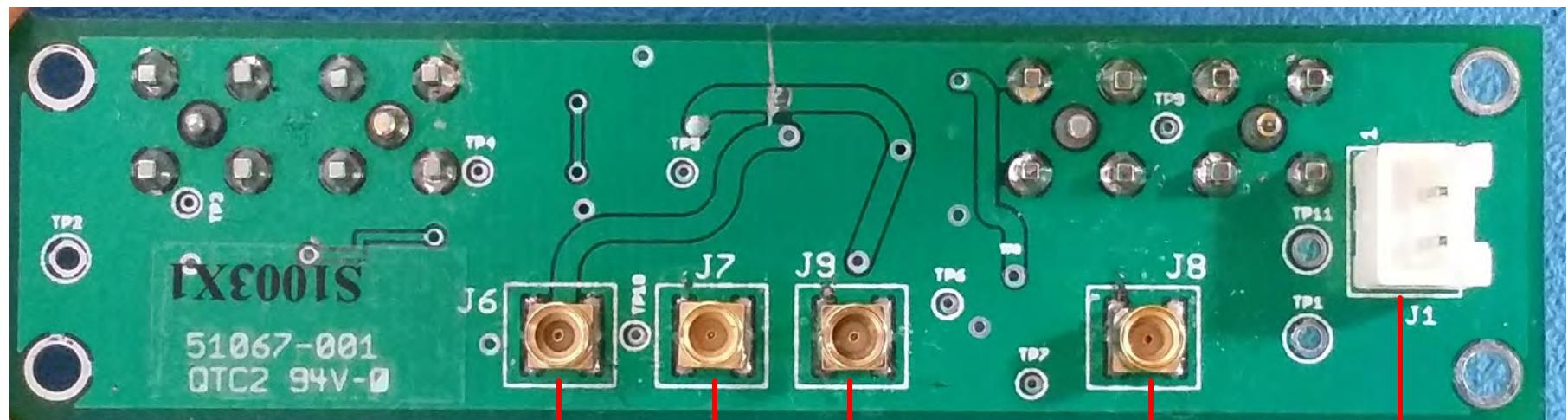
4.150"
2.500"

FIGURE 32: TOP VIEW, CLOCK DISTRIBUTION BOARD



3.300
0.900

FIGURE 33: BOTTOM VIEW, CLOCK DISTRIBUTION BOARD



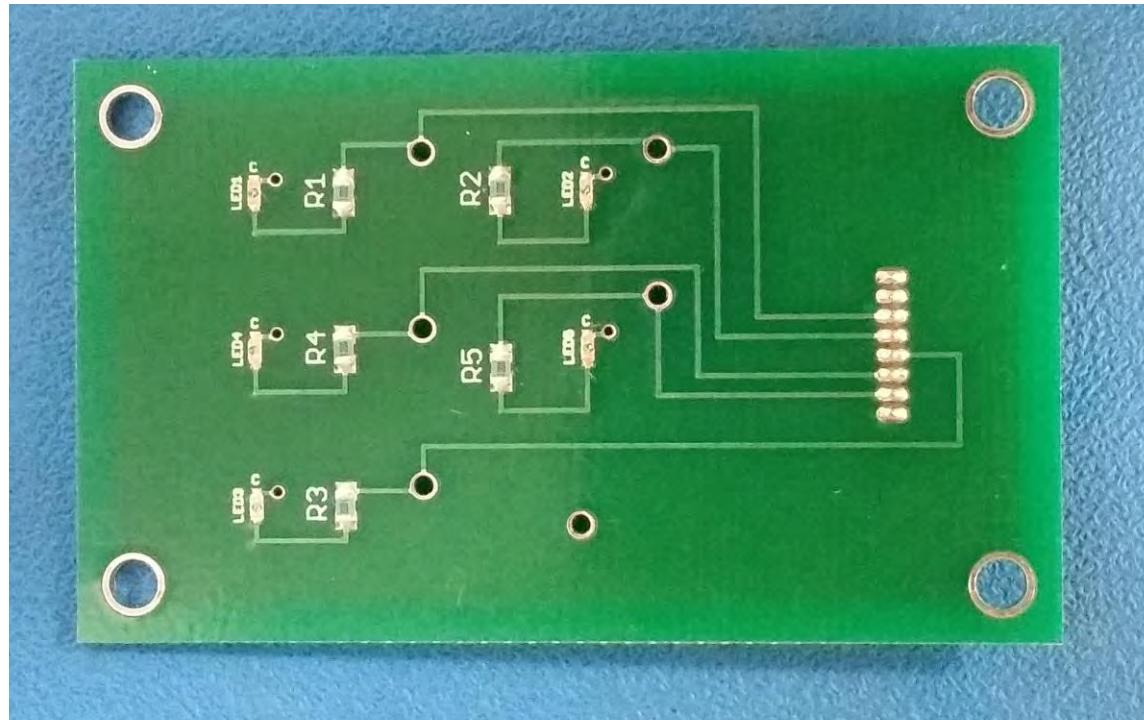
3.300
0.900



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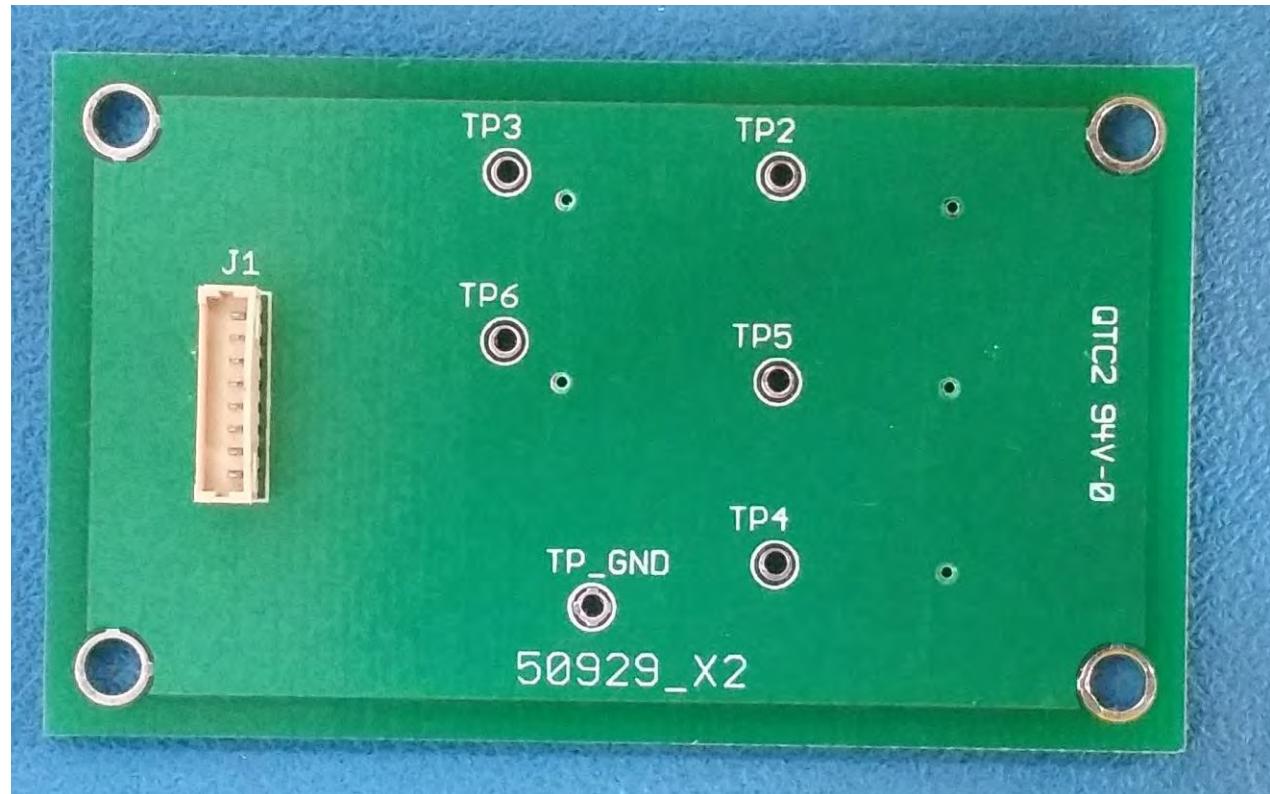
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FIGURE 34: TOP VIEW, NETWORK SHELF LED STATUS BOARD



1.500"
2.500"

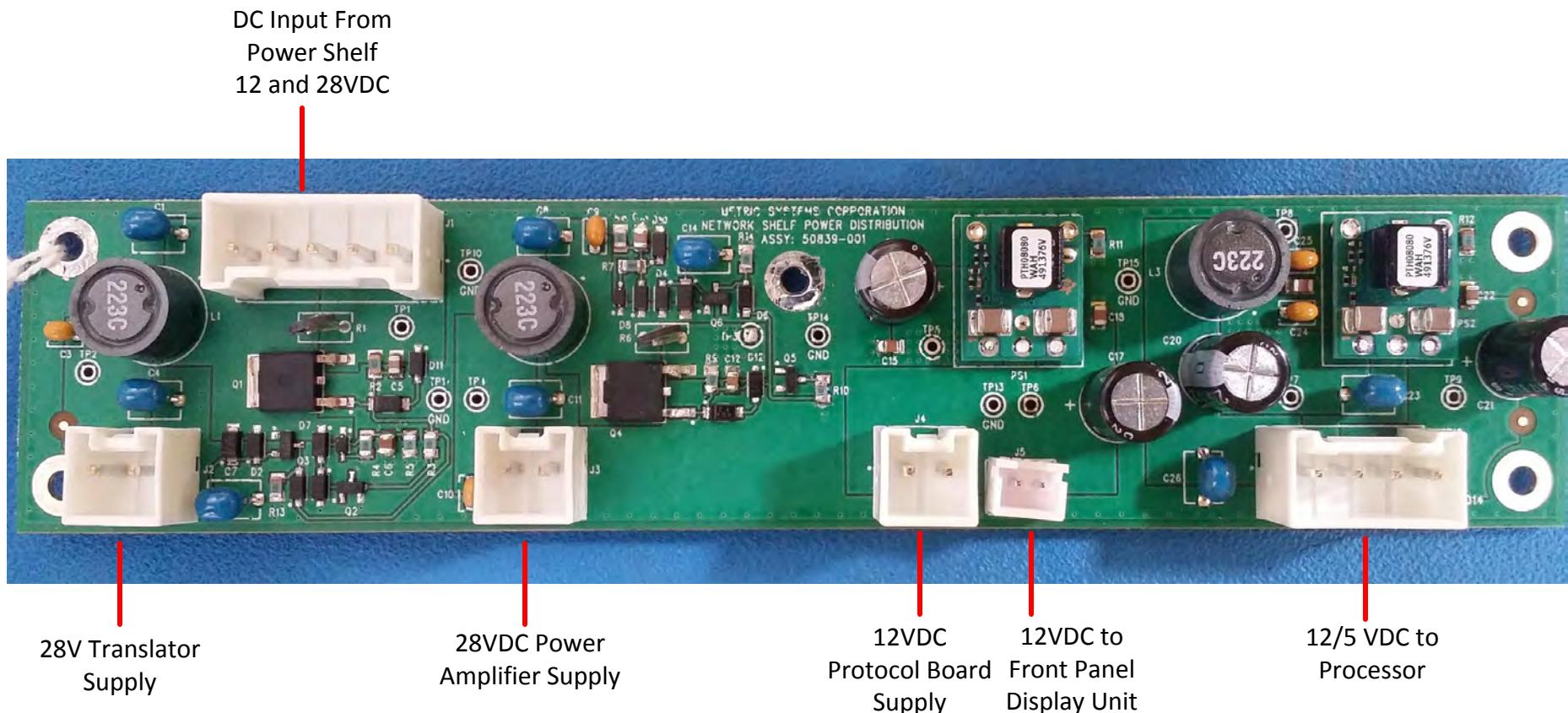
FIGURE 35: BOTTOM VIEW, NETWORK SHELF LED STATUS BOARD



2.500"

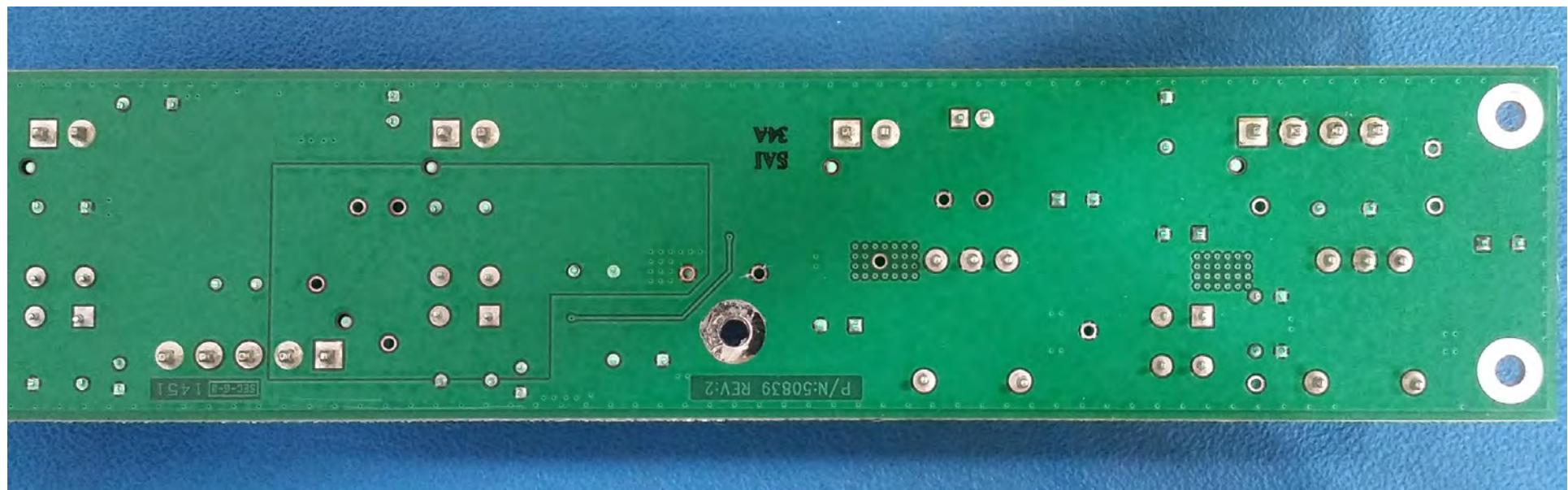
1.500"

FIGURE 36: TOP VIEW, NETWORK SHELF POWER DISTRIBUTION BOARD



6.500"
1.400"

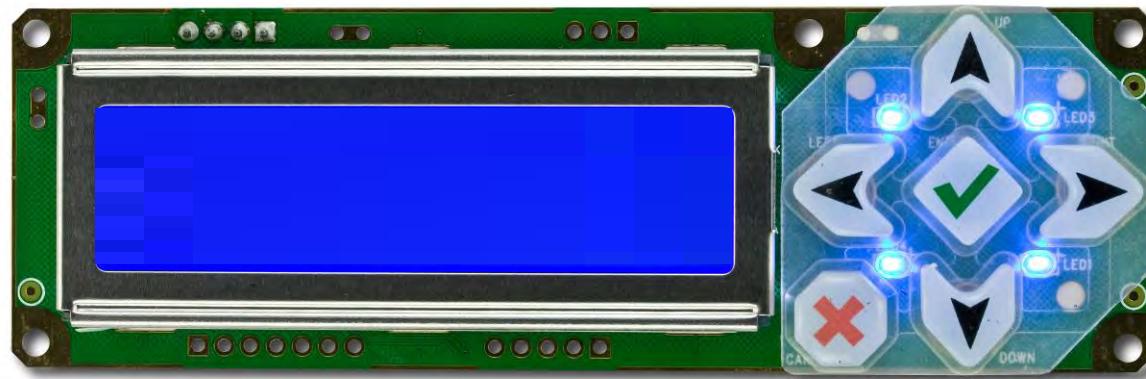
FIGURE 37: BOTTOM VIEW, NETWORK SHELF POWER DISTRIBUTION BOARD



6.500"
1.400"

FIGURE 38: TOP/BOTTOM VIEW, FRONT PANEL LCD BOARD

Top



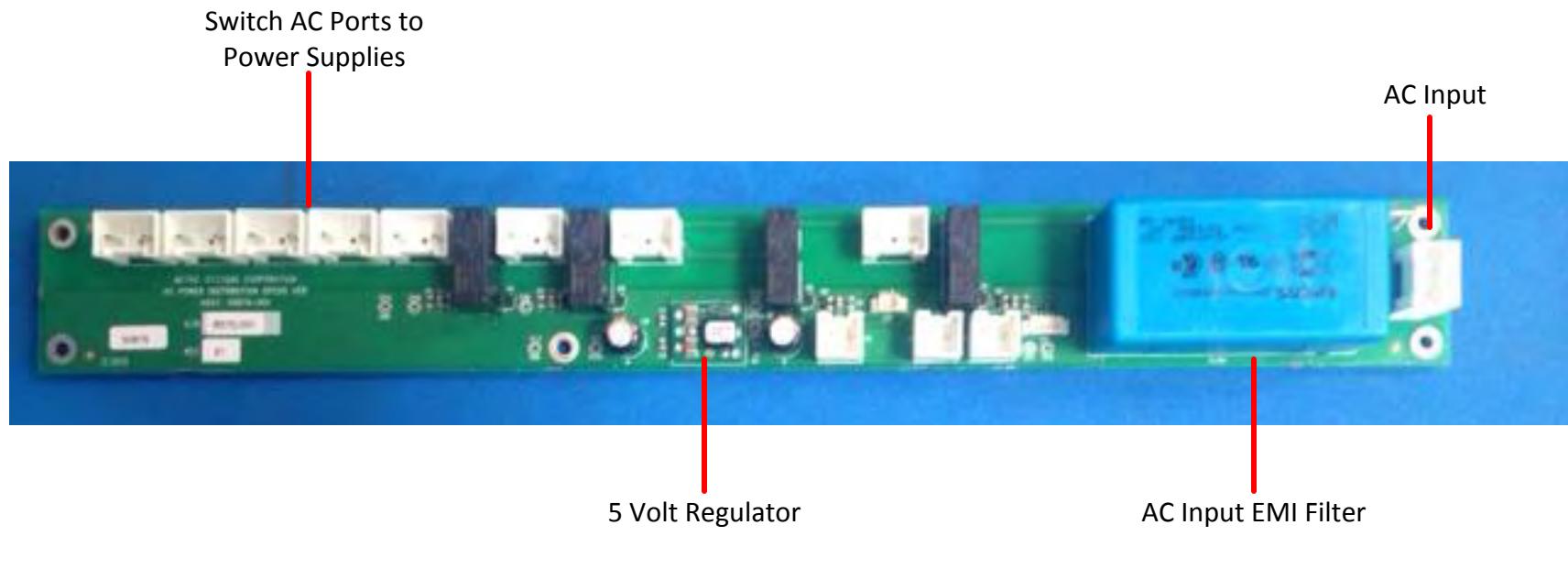
Bottom



4.350"

1.380"

FIGURE 39: TOP VIEW, POWER SUPPLY SHELF'S AC INPUT BOARD



See Schematic for Details

12.000"
1.400"

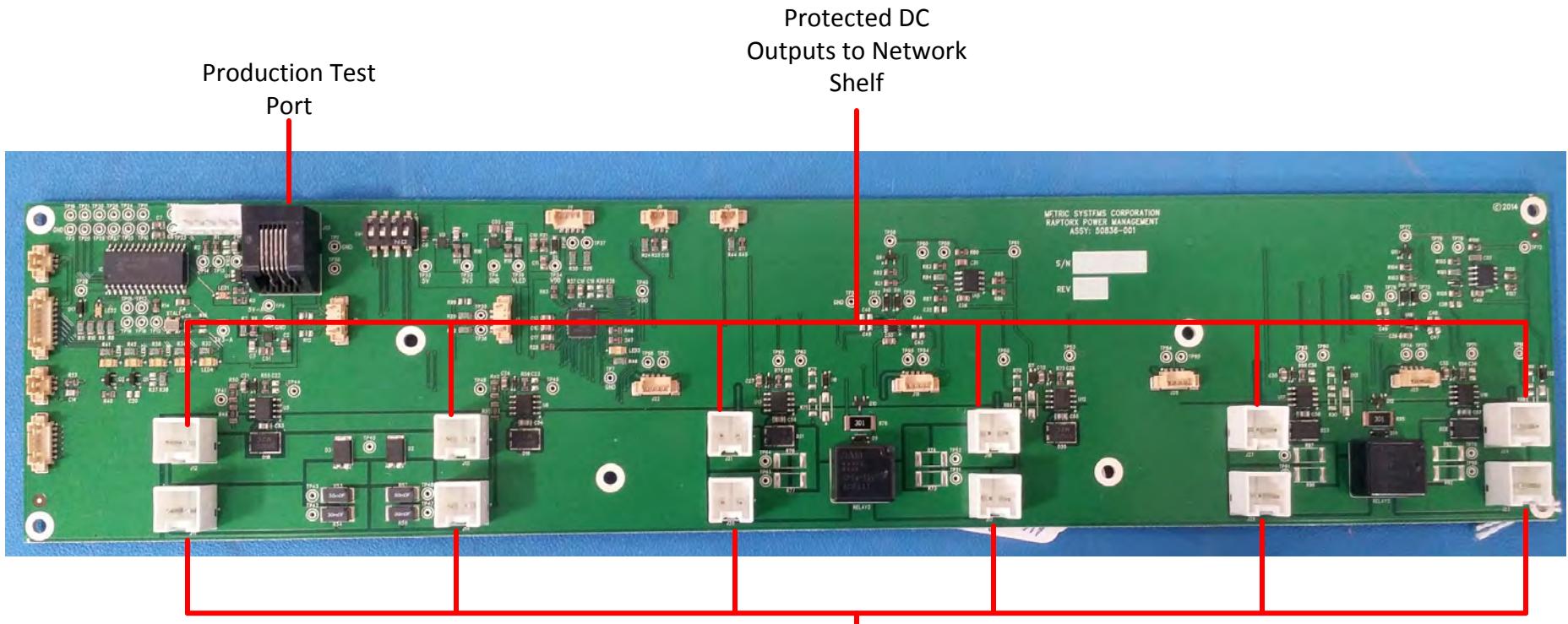
FIGURE 40: BOTTOM VIEW, POWER SUPPLY SHELF'S AC INPUT BOARD



12.000"

1.400"

FIGURE 41: TOP VIEW, POWER MANAGEMENT BOARD

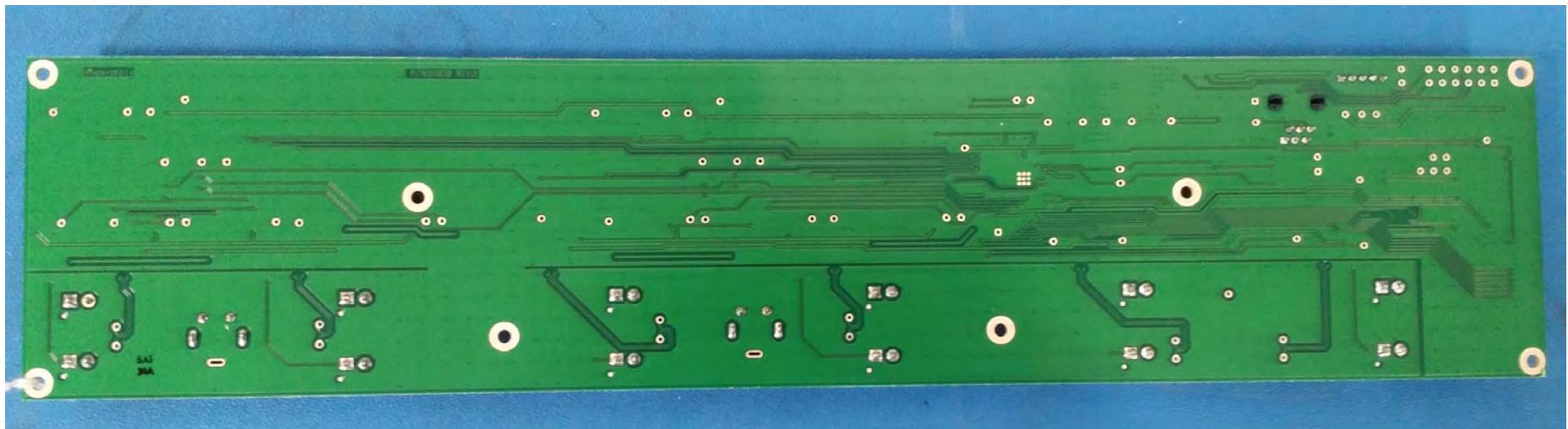


Primary and Backup
Power Supply Inputs

13.750"

3.000"

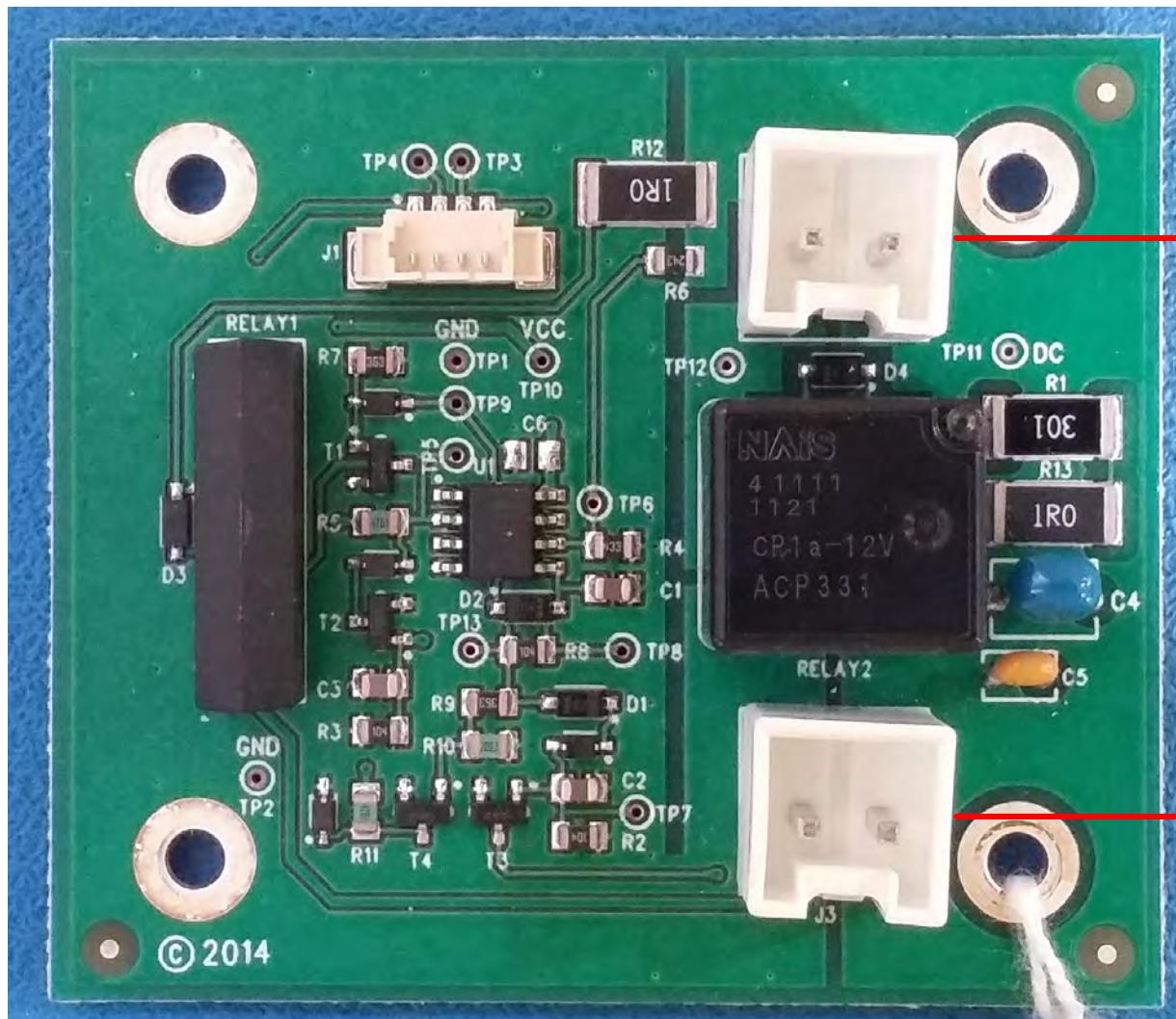
FIGURE 42: BOTTOM VIEW, POWER MANAGEMENT BOARD



13.750"

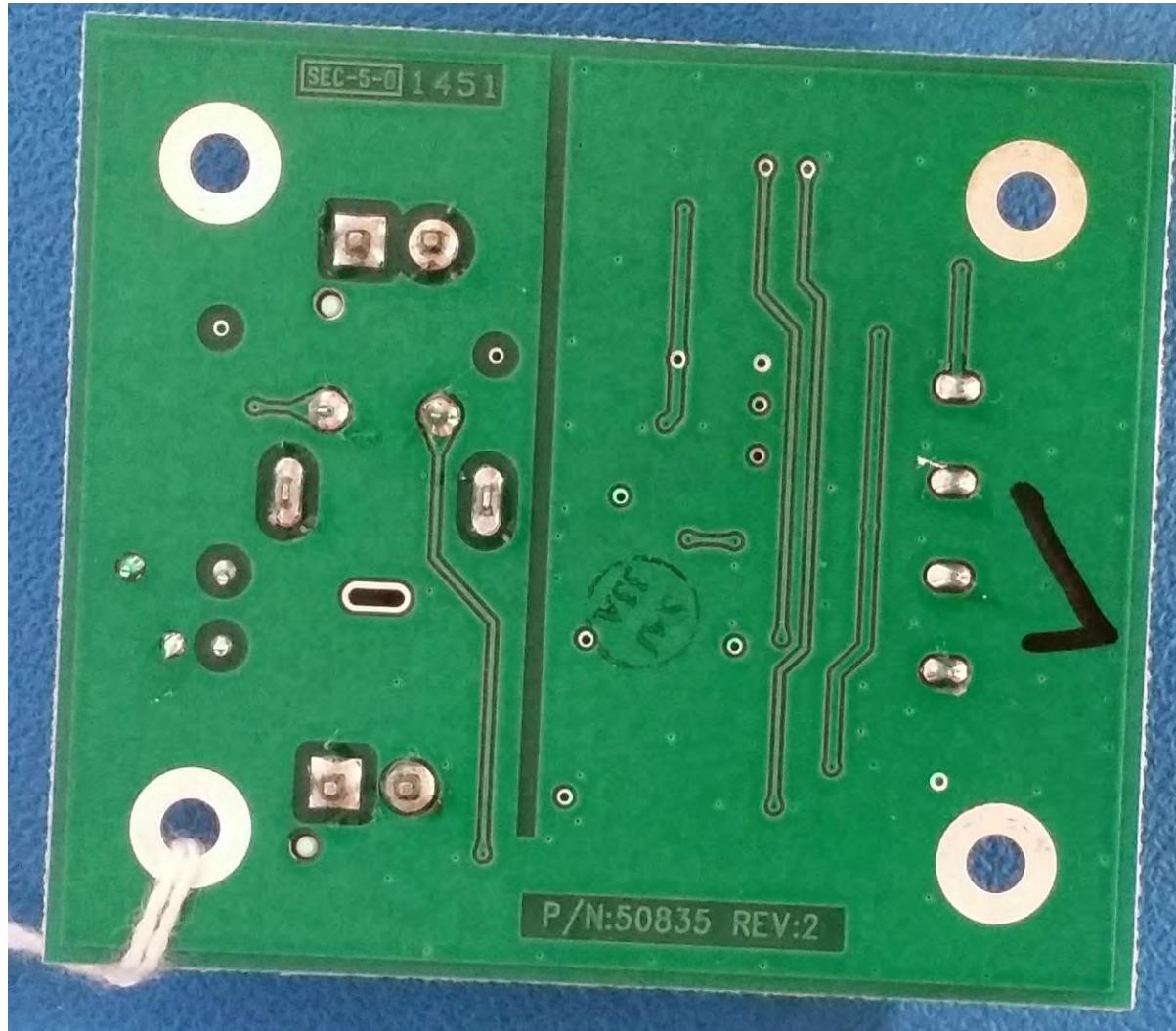
3.000"

FIGURE 43: TOP VIEW, POWER APPLY BOARD (USED IN POWER SUPPLY SHELF)



2.000"
2.300"

FIGURE 44: BOTTOM VIEW, POWER APPLY BOARD (USED IN POWER SUPPLY SHELF)



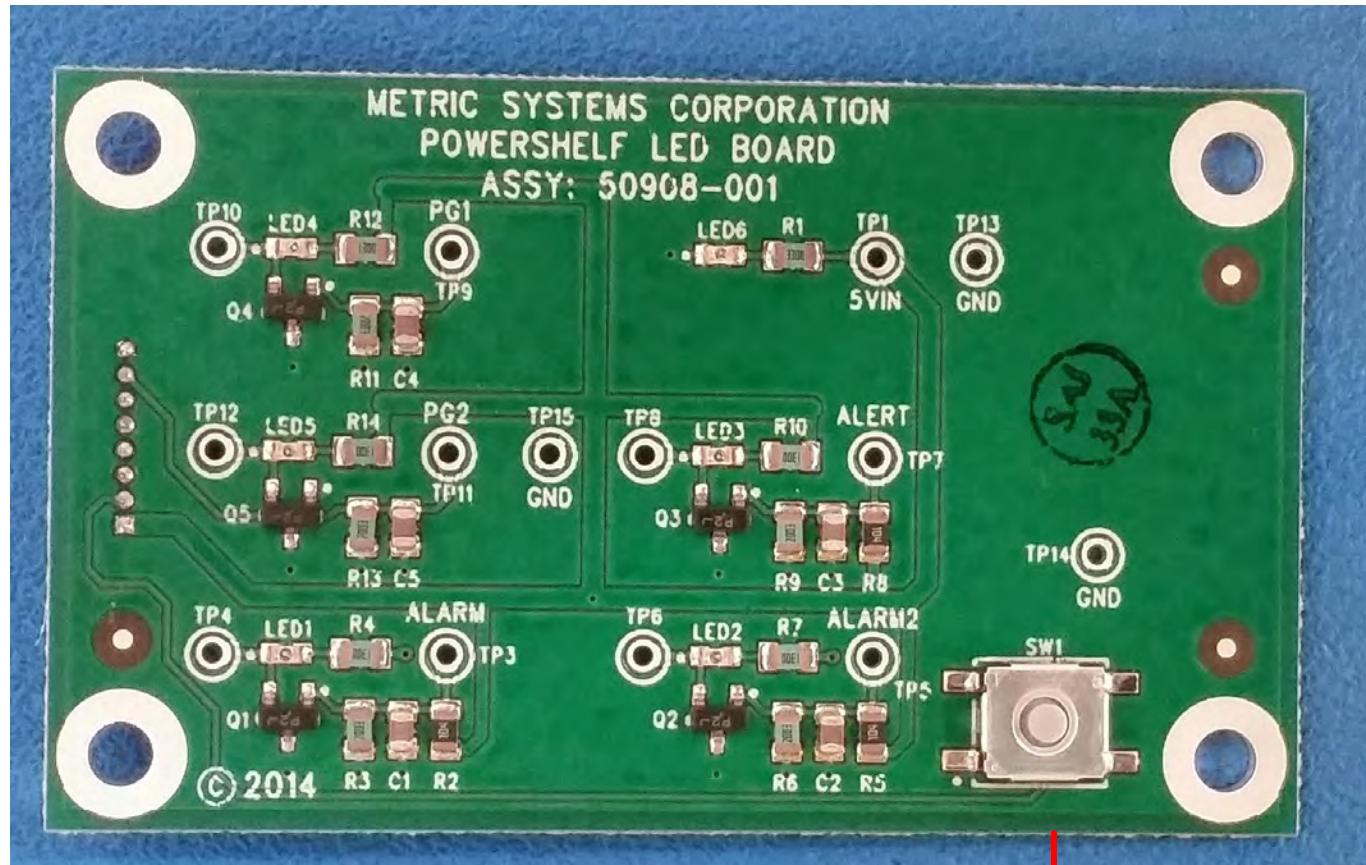
2.300"

2.000"



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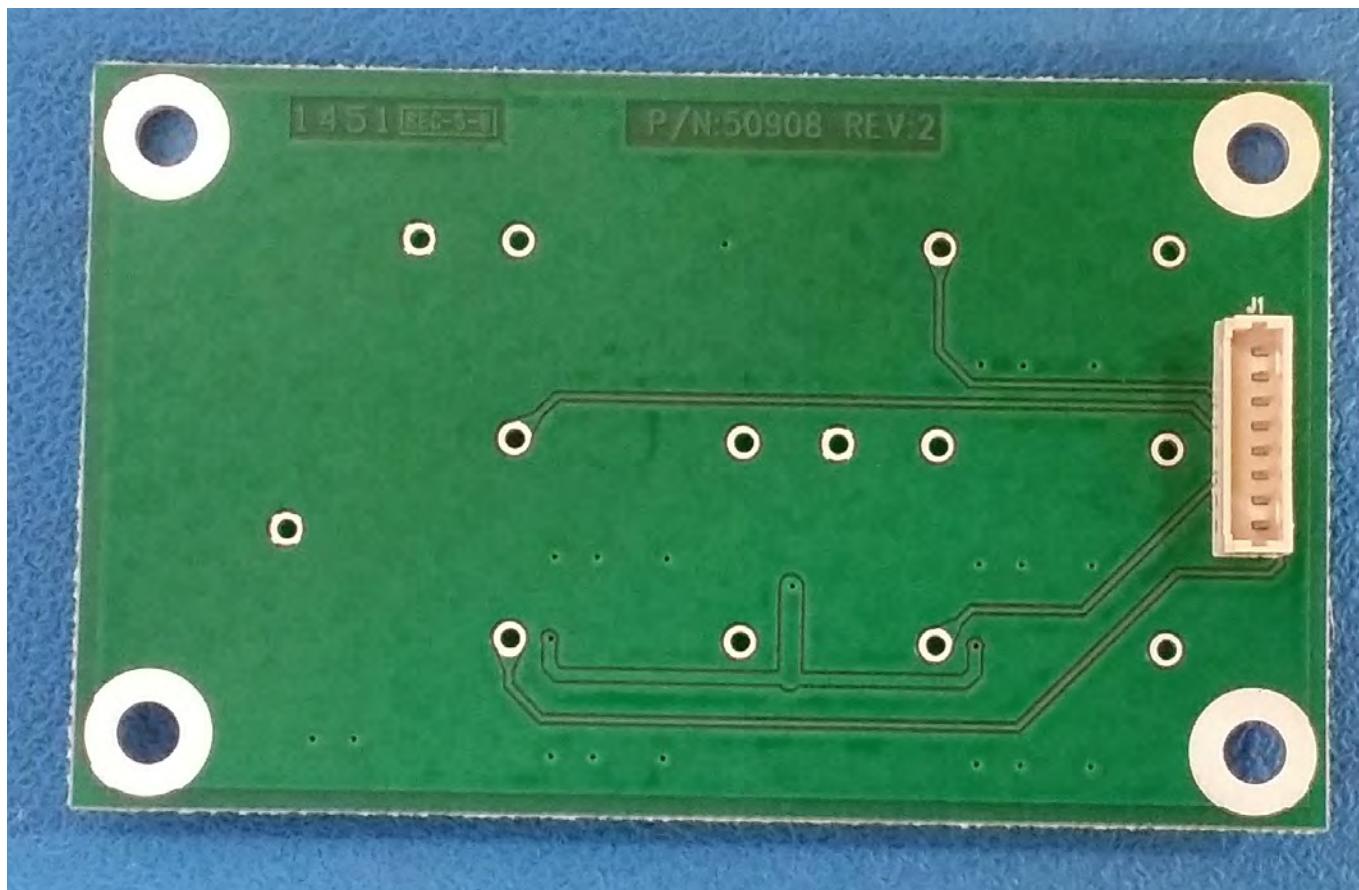
FIGURE 45: TOP VIEW, POWER SHELF FRONT PANEL LED STATUS BOARD



System Reset

2.500"
1.500"

FIGURE 46: BOTTOM VIEW, POWER SHELF FRONT PANEL LED STATUS BOARD



1.500"
2.500"

FIGURE 47: TOP VIEW OF INTERNAL RAPTORX SINGLE CHANNEL SHELF (EUT)

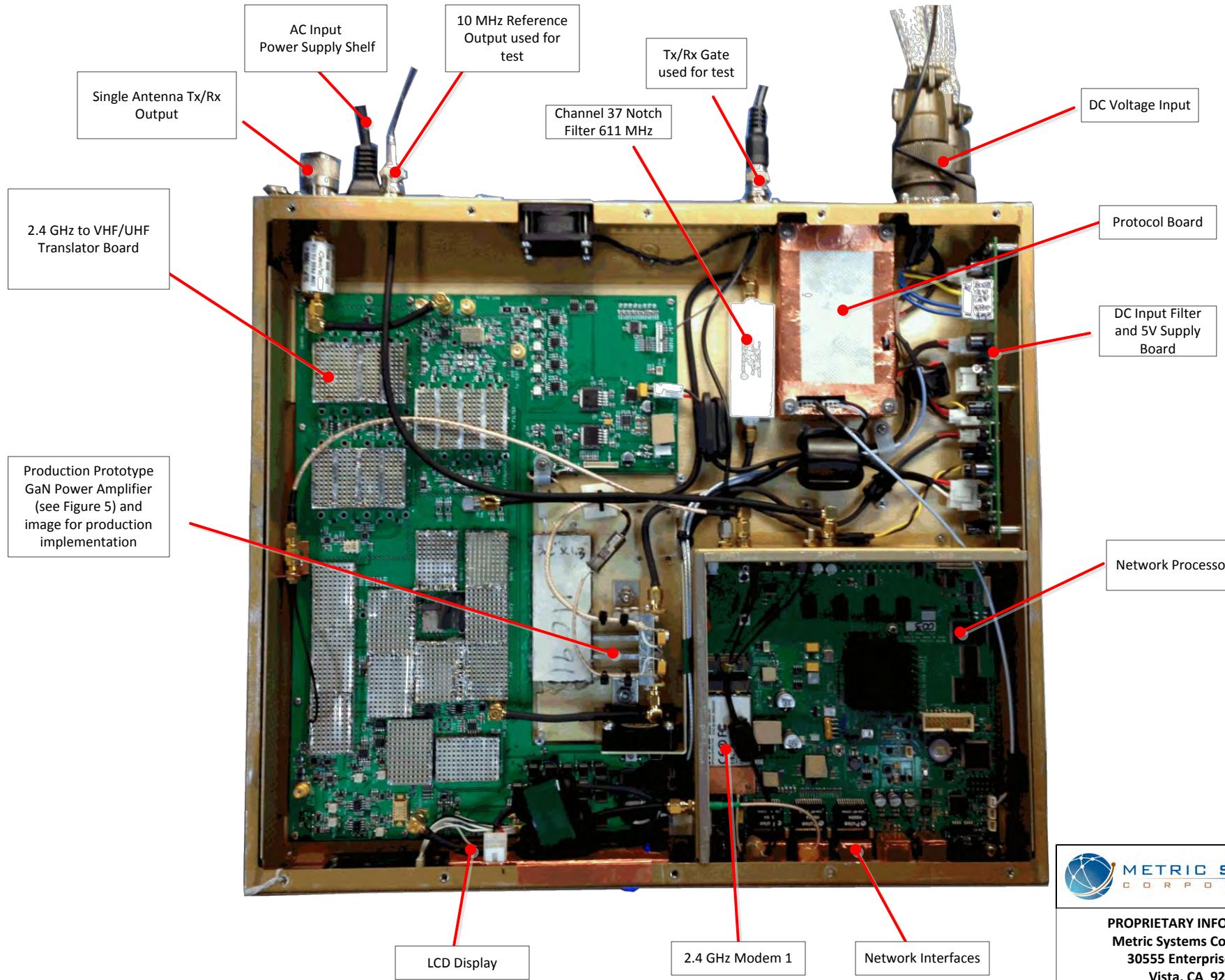


FIGURE 48: TOP VIEW RAPTORX PRODUCTION PROTOCOL BOARD

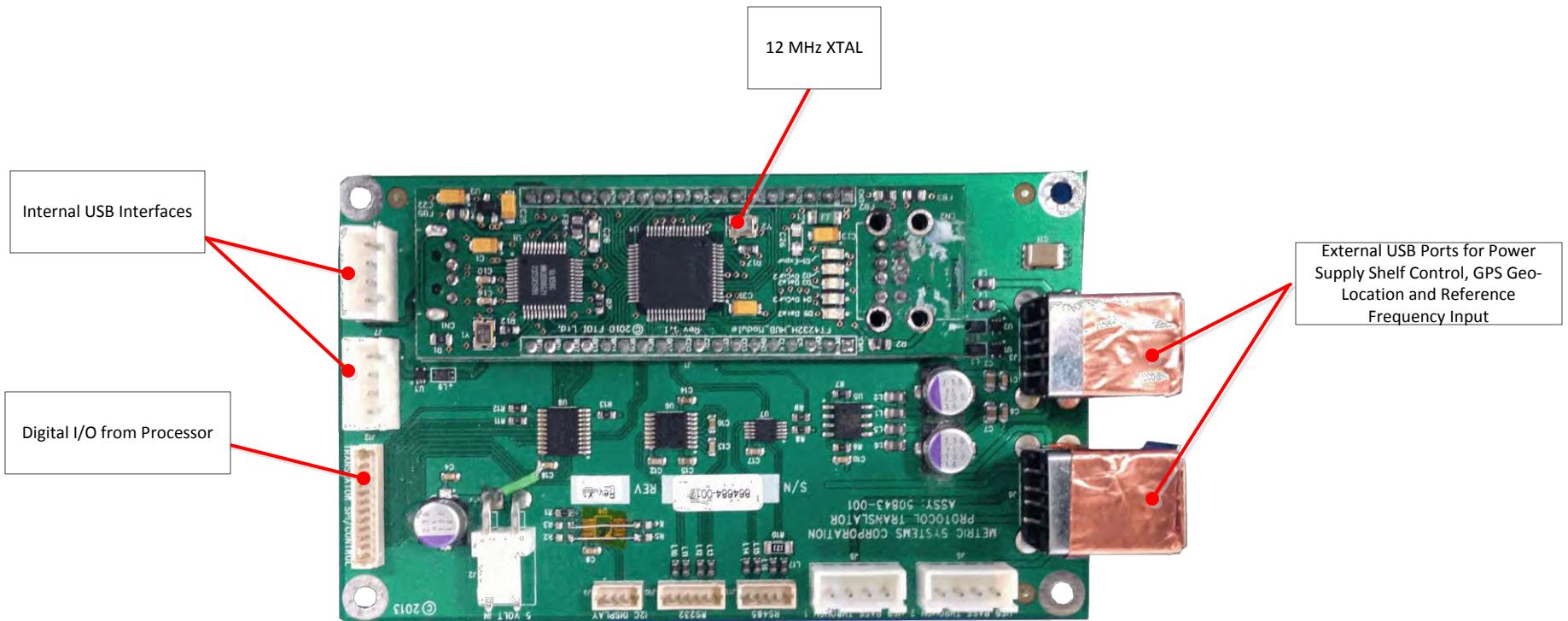


FIGURE 49: TOP VIEW RAPTORX 3 WATT LINEAR AMPLIFIER (PRODUCTION)
(Replaces Production Prototype Module used in EUT Testing)

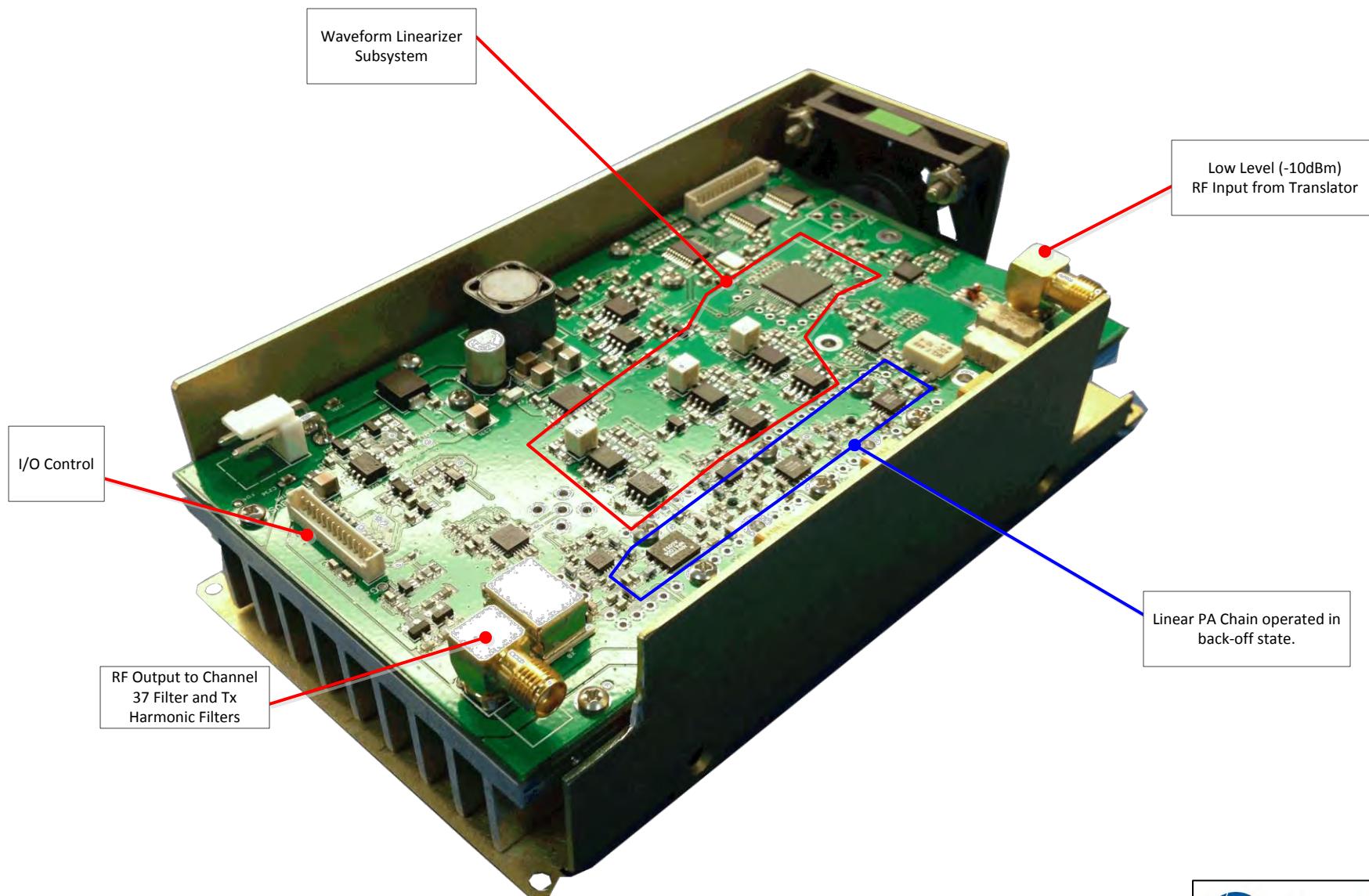


FIGURE 50: TOP VIEW RAPTORX REDUNDANT POWER SUPPLY SHELF

