

RTM Module with Multiple Digital and Analog Outputs

KEY FEATURES

- 6x Mini-DisplayPort outputs
- 2x STANAG outputs, 2x CVBS outputs
- +/- 12V UART
- +/- 3.3V UART
- Status LEDs
- JTAG

OVERVIEW

The VPX3U-RTM-VO module provides output ports for DisplayPort, CVBS and STANAG RGB. It also provides connectors for JTAG, 12V UART, 3.3V UART and LED status lights.

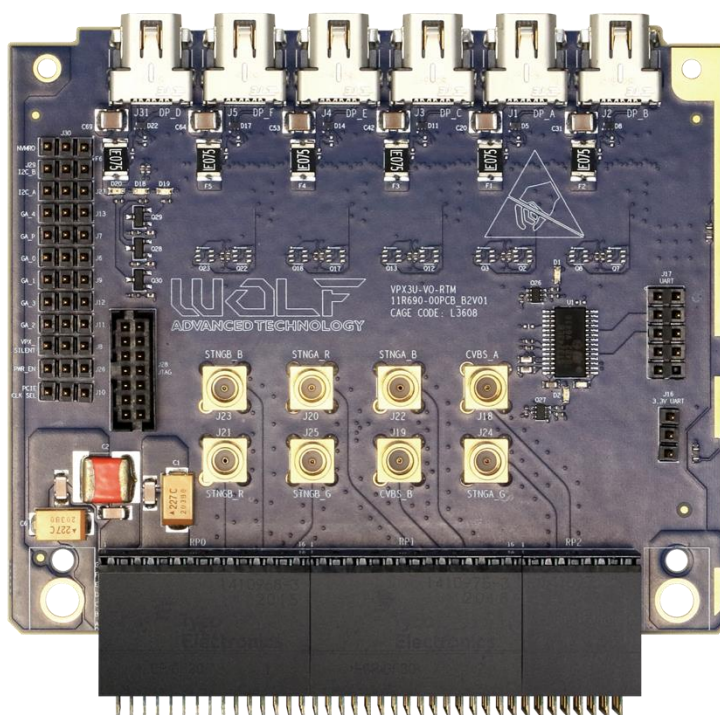
This RTM module is compatible with the following WOLF video output modules:

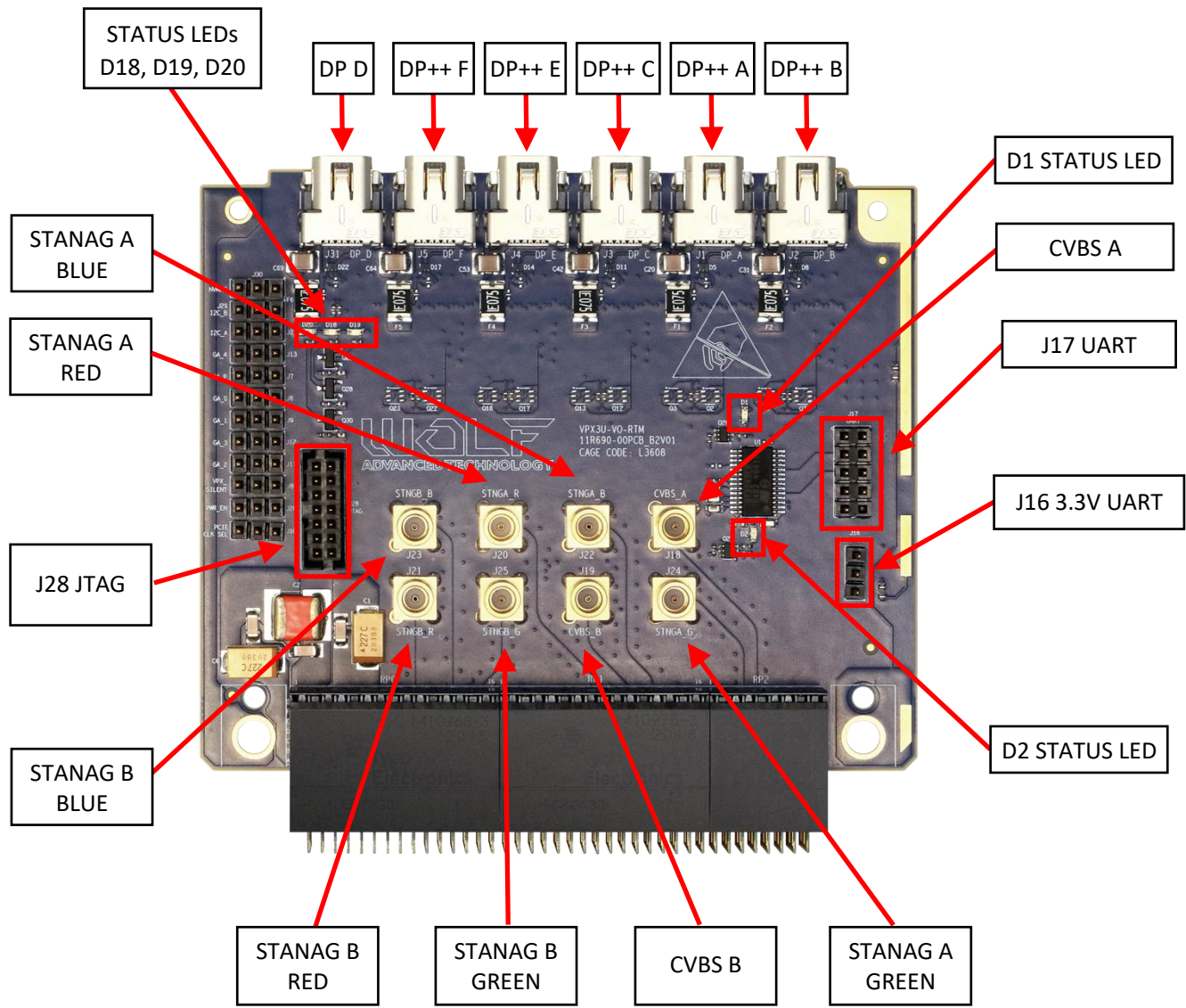
- WOLF-1178: VPX3U-P2000E-VO
- WOLF-1348: VPX3U-RTX5000E-VO
- WOLF-1116: VPX3U-P3000-VO, VPX3U-P5000-VO, VPX3U-P5200E-VO
- WOLF-0197: VPX3U-M5000SE-VO

CONNECTORS AND CABLES

The HD BNC connectors are Amphenol HD BNC Right Angle Jack PCB Mount 034-1030 or equivalent. To use regular coaxial cables with BNC connectors an adapter like Amphenol HDBNC (P)-BNC (J) ON B1694A 6" or similar should be used.

In addition to HD-BNC connectors and Mini DP connectors on the front-end of the 11R6, there are 6 onboard MCX connectors available allowing access to the STANAG Video Interfaces. Depending on the configuration of 3U VPX Module the 11R6 can support up to 2 STANAG video outputs. To use the MCX vertical RF connectors the cable adapter Samtec RF179-74BJ3-72RP1-0200 or similar 75 Ohm adapter capable of working up to 1.5GHz should be used.





LED Status Indicators

Reference Designator	LED Color	Mark on the PCB	Functional Description
D1	Red	THRM ALERT	GPU thermal alert signal is asserted
D2	Red	CTF	GPU Critical Thermal Failure signal is asserted
D18	Green	3.3V	3.3V rail is OK
D19	Green	5V	5V rail is OK
D20	Green	12V	12V rail is OK