



VTAC Right Angle

The **VTAC right angle solution** was engineered to retain the popular features of the VTAC HSD while addressing the need of high speed PCB solutions in the test and measurement industry. The VTAC HSD right angle inserts are compatible with 90 Series and i2 MX, which offer a greater variety of I/O options and are engineered for over 10,000 cycles.



PCB Adapter, Receiver, SIM, VTAC HSD, 5 Position, to USB 3.0 510 170 103 PCB Adapter, Receiver, SIM, VTAC HSD, 34 Position, to USB 3.0



Features and Benefits

- Consolidate connections for rapid integration and connection to instrumentation
- Use standard off-the-shelf cables that will plug directly into connectors on the PCB
- Create a complete PCB solution
- Compatible with multiple HSD standards:

» USB 3.0	» RJ45 Gigabit Ethernet
» SATA	» QSFP
» eSATA	» Twinax
» HDMI	» Infiniband
» DVI	» VHDCI
» DisplayPort	» Mini-SAS HD

VTAC HSD Kit 🗸



Specifications		
Material	Outer Shell - Blue LCP Male Contact - Alloy 7025	
Data Rate	10+ Gbps per Differential Pair	
Crosstalk	-30 dB Min.	
Mating Force	12 oz Max. [0.34 kg] per Insert	
Contact Termination	Welded	
Contact Plating	50 μ " Au over 100 μ " Ni	
Characteristic Impedance	100 +/- 10 Ω - Differential Pair 50 +/- 5 Ω - Singled ended	
Operating Voltage and Current	3 amps Max. Continuous (350 volts Max.)	
Contact Resistance	30 mΩ Max. per Mated Contact	
Insulation Resistance	1000 ΜΩ	
Dieletric Withstanding Voltage	1050 VDC RMS Min.	



The VTAC HSD Kit is a two-piece kit, which includes a Double Ended Insert (610 151 103) and a Right Angle Insert (610 151 104) to press into custom PCBs.

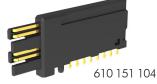
High Speed Insert Options 🗡



Used in 5 position PCB solutions, VTAC Retention Insert helps to provide rigidity and prevent the PCB board from flexing.



The Double Ended Insert connects the module to the Right Angle Insert (610 151 104).



The Right Angle Insert connects the PCB to the Double Ended Insert (610 151 103).

Description

Part #	Description
SIM INSERT 610 151 106	High Speed Insert, Receiver/ITA, SIM, 50 $\mu^{\scriptscriptstyle 0}$, VTAC HSD Kit (For Use with Right Angle Only)
RECEIVER 510 170 102	SIM Module, Receiver, 34 Position, Fully Loaded with VTAC HSD Double Ended and Right Angle
510 170 103	Inserts (610 151 106) PCB Adapter, Receiver, SIM, VTAC HSD, 34 Position, to USB 3.0
510 170 104	PCB Adapter, Receiver, SIM, VTAC HSD, 5 Position, to USB 3.0
ITA 510 171 102	SIM Module, ITA, 34 Position, Fully Loaded with VTAC HSD Double Ended and Right Angle Inserts (610 151 106)
510 171 103 510 171 104	PCB Adapter, ITA, SIM, VTAC HSD, 34 Position, to USB 3.0 PCB Adapter, ITA, SIM, VTAC HSD, 5 Position, to USB 3.0
TOOL 910 112 130 910 112 132	Extraction Tool, SIM, Receiver and ITA Tool, Insertion, Right Angle, VTAC HSD (For Use with Right Angle Only)
ACCESSORIES 610 151 104 610 151 103 610 151 105	High Speed Insert, Receiver/ITA, SIM, 50 μ", VTAC HSD, Right Angle Insert High Speed Insert, Receiver/ITA, SIM, 50 μ", VTAC HSD, Double Ended Insert (For Use with Right Angle Only) High Speed Insert, Receiver/ITA, SIM, 50 μ", VTAC HSD, Retention Insert (For Use with Right Angle Only)