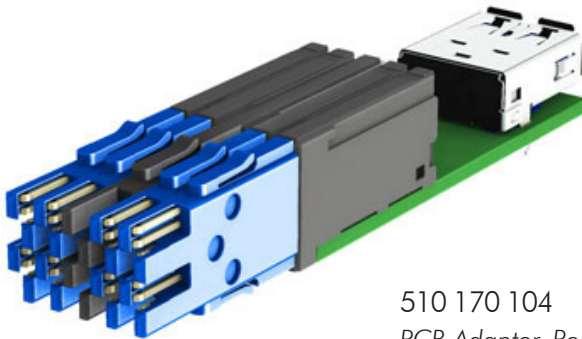


VTAC Right Angle

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.



510 170 104
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



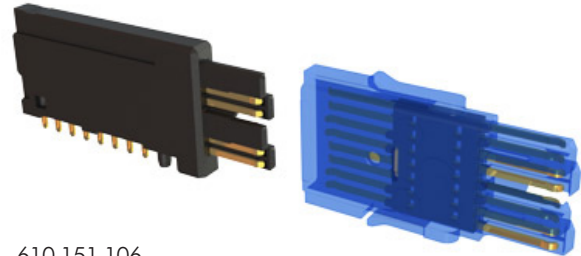
Features and Benefits

- 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
 - » SATA
 - » eSATA
 - » HDMI
 - » DVI
 - » DisplayPort
 - » RJ45 Gigabit Ethernet
 - » QSFP
 - » Twinax
 - » Infiniband
 - » VHDCI
 - » 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 m Ω Max. per Mated Contact
Insulation Resistance	1000 M Ω
Dielectric Withstanding Voltage	1050 VDC RMS Min.



610 151 106

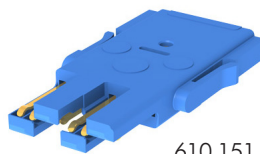
The VTAC HSD Kit is a two-piece kit, which includes a Double Ended Insert (610 151 103) and a Right Angle Insert (610 151 104) to press into custom PCBs.

High Speed Insert Options ▼



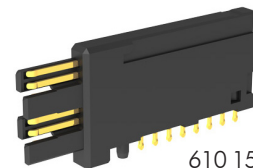
610 151 105

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



610 151 103

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



610 151 104

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

Part # Description

SIM INSERT

610 151 106 High Speed Insert, Receiver/ITA, SIM, 50 μ ", 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 Inserts (610 151 106)

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

510 171 104 PCB Adapter, ITA, SIM, VTAC HSD, 5 Position, to USB 3.0

TOOL

910 112 130 Extraction Tool, SIM, Receiver and ITA

910 112 132 Tool, Insertion, Right Angle, VTAC HSD (For Use with Right Angle Only)

ACCESSORIES

610 151 104 High Speed Insert, Receiver/ITA, SIM, 50 μ ", VTAC HSD, Right Angle Insert

610 151 103 High Speed Insert, Receiver/ITA, SIM, 50 μ ", VTAC HSD, Double Ended Insert (For Use with Right Angle Only)

610 151 105 High Speed Insert, Receiver/ITA, SIM, 50 μ ", VTAC HSD, Retention Insert (For Use with Right Angle Only)