INFINITY CONNECTOR®

An Infinite Number of Connections

- Multi-piece design with pass-thru inserts to preserve right-angle connections to the PCB
- Available in VTAC, QuadraPaddle, & Micro Power
- SIM module allows for mixed I/O
- 34 available slots per SIM module
- Up to 272 contact positions available



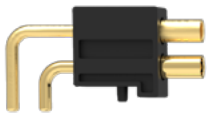
RECEIVER

SIM Module, 34 Slot, 272 Max Positions
510170101

ITA

SIM Module, 34 Slot, 272 Max Positions
510171101

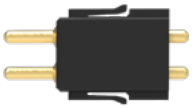
Micro Power



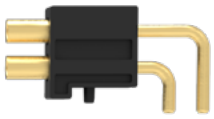
Header, Rt Angle, RCV/ITA , 2 POS, 2 Slot
510181103



Insert, RCV, 2 POS, 2 Slot
510180102

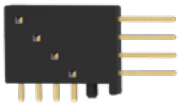


Insert ,ITA, 2 POS, 2 Slot
510181102



Header, Rt Angle, RCV/ITA , 2 POS, 2 Slot
510181103

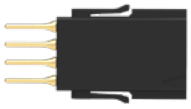
QuadraPaddle



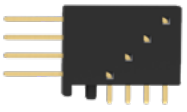
Insert, Rt Angle, RCV/ITA 4 POS, 1 Slot
610138126



Insert, RCV, 4 POS, 1 Slot
510180105

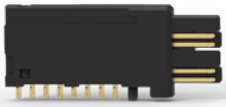


Insert, ITA, 4 POS, 1 Slot
510181105

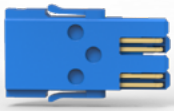


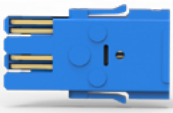
Insert, Rt Angle, RCV/ITA 4 POS, 1 Slot
610138126

VTAC

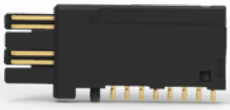


Header, Rt Angle, RCV/ITA, 8 POS, 1 Slot
610151104



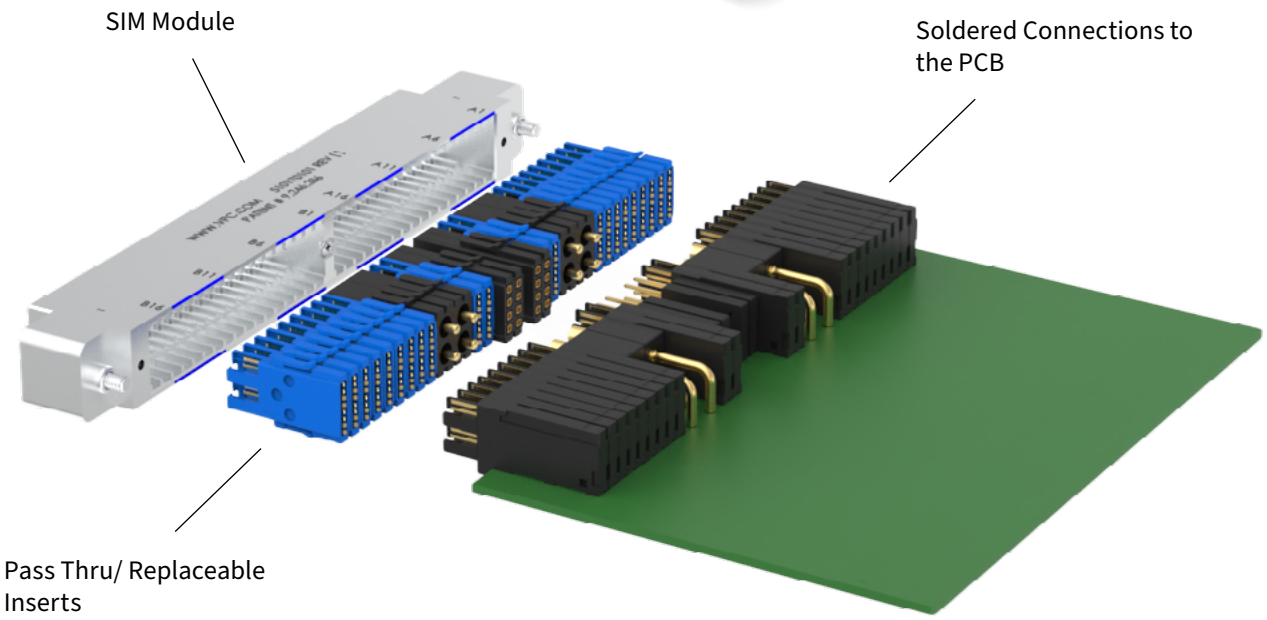


Insert, Pass Thru, RCV/ITA, 8 POS, 1 Slot
610151103



Header, Rt Angle, RCV/ITA, 8 POS, 1 Slot
610151104

INFINITY
CONNECTOR®



Specifications

	VTAC	QuadraPaddle	Micro Power
Operating Voltage & Current	3 amps max continous (350V max)	5 amps max continous (600V max)	21 amps continous
Contact Resistance	30 mOhms max	25 mOhms max	1.5 mOhms max
Insulation Resistance	1000 MOhms min	5000 MOhms min	———
Dielectric Withstanding	1050 VDC min	1500 VDC min	1500 VDC min
Mating Force	0.6 lb (272 g) per insert	.24 lbs (109 g)	1.23 lbs (558 g)
Contact Plating	50µ" Au over 100µ" Ni	30µ" Au over 100µ" Ni	30µ" Au over 100µ" Ni
Data Rate	10+Gpbs/ differential pair (right angle)		
Crosstalk	-30 dB min		
Impedance	100+/- 10 Ohms/ differential pair		
Insert Material	Outer Shell- Blue or Black LCP Male Contact- Alloy 7025		