

# INFINITY CONNECTOR<sup>®</sup>

## 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

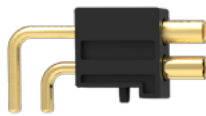


### RECEIVER

SIM Module, 34 Slot, 272 Max Positions  
510170101

### ITA

SIM Module, 34 Slot, 272 Max Positions  
510171101



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

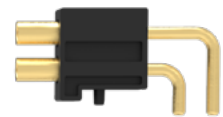


Insert, RCV, 2 POS, 2 Slot  
510180102

### Micro Power

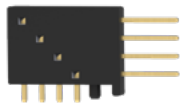


Insert, ITA, 2 POS, 2 Slot  
510181102



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

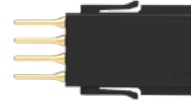
### QuadraPaddle



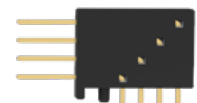
Insert, Rt Angle, RCV/ITA 4 POS, 1 Slot  
610138126



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

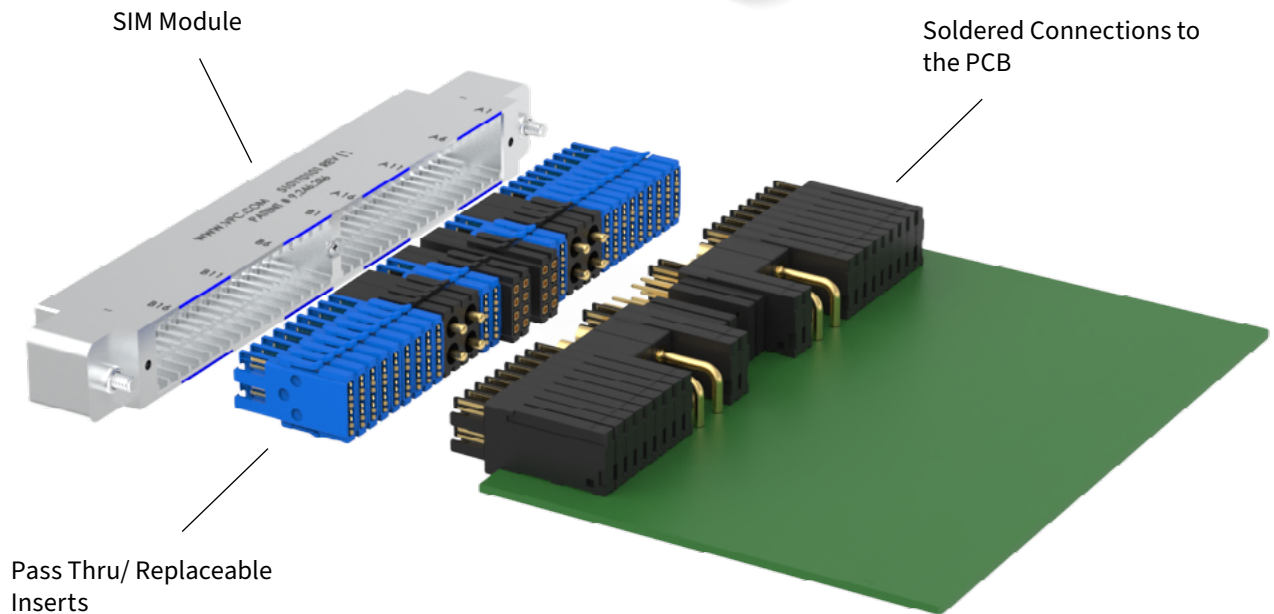


Insert, Pass Thru, RCV/ITA, 8 POS, 1 Slot  
610151103



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

# INFINITY CONNECTOR®



## Specifications

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