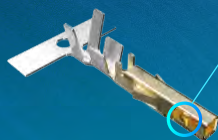


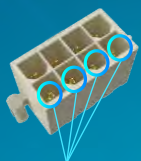
Minitek® Pwr Connector System

The complete solution for wire-to-wire and wire-to-board needs

Durability



Design Feature for Low Mating Force
Flexing Beam Design enables for Low Insertion Force during Mating



Fully Polarized Mating Interface



Scoop Proof Assembly
Scoop proof contacts protect contacts from being damaged during mating/unmating

Fuss-free mateability

Feature on Housing for Blind-mating applications



BMI- Blind Mate Interface

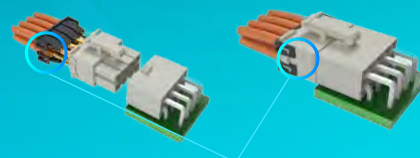
BMI provides a self-aligning feature molded into housings

Offers full range of options for every application and orientation

Reliable connection



Positive locking
Flexing Beam Design enables for Low Insertion Force during Mating









TPA (Terminal Position Assurance) WTB Version

Product Family

				
Pitch	Minitek®Pwr 2.5 2.50mm	Minitek® Pwr 3.0 3.00mm	Minitek®Pwr 4.2 4.20mm	Minitek®Pwr 5.7 5.70mm
Poles & Rows	Dual 4 - 16 Pos Single 2 - 8 Pos	Dual 2 - 24 Pos (Dual) Single 2 - 12 Pos (Single)	Dual 2 - 24 Pos (Dual) Single 3 - 5 Pos (Single)	Dual 2 - 12 Pos (Dual) -
Max Rating	Amp 6.5 Amps Voltage 250V	Amp 12 Amps Voltage 600 V	Amp 13 Amps Voltage 600 V	Amp 23 Amps Voltage 600 V
Operating Temperature	-40°C to 105°C	-40°C to 105°C	-40°C to 105°C	-40°C to 120°C
Wire Gauge (AWG)	20 - 26	16 - 30	16 - 28	12-16
Housing material	LCP and Nylon	LCP and Nylon	LCP and Nylon	LCP and Nylon
Header Configurations	Vertical & R/A	Vertical & R/A	Vertical & R/A	Vertical & R/A
Header Terminations	TH & SMT	TH, SMT & Pressfit	TH	TH
Application	WTB	WTW & WTB	WTW & WTB	WTB

Applications

	Car Audio/ Lighting	Automotive lightings	Display Systems/Automotive lightings	-
	Vending Machine, HMI	HMI, PLC, HVAC	Display Systems, Electrical Lighting, PSU	HVAC, Lighting, Vending Machine
	Hubs, Routers, Switches	1U Rackbox, WiMax Box	Router	-
	Servers	Rack Mount Servers, Blade Servers, Desktop PCs	FAN, Rack Mount/Servers PSU, GPU	Server (OCP),PDB in servers
	Copiers, Fax, Printer, Security System, STB	Smart Appliances	Security Cameras	Garage Door Openers
	Lab Equipment, Medical Monitoring Devices	Defibrillators, Patient Monitors, Ultrasound equipment's	Hospital Beds	-



Minitek® Pwr 2.5

Space Saving

PN	Configuration	Row	Positions	Plating
10146583	Female Terminal	NA	NA	Tin 15u" Gold 30u"Gold
10146579	Receptacle Housing	Single	2-8	NA
10146580	Receptacle Housing	Dual	4-16	
10146626	TPA Aligner	NA	1-8	Tin 15u" Gold 30u"Gold
10146242	Vertical THR	Single	2-8	
10146581	Vertical THR	Dual	4-16	
10146582	Right Angle THR			
10146243	Right Angle SMT			



Minitek® Pwr 5.7

Current rating up to 23A

PN	Configuration	Row	Positions	Plating		
10142708	VerticaTI HR	Dual	2-12	Tin 15u" Gold 30u"Gold		
10146997	Right Angle THR					
10142707	Receptacle Housing					
10143250	Female Terminal				NA	NA



Minitek® Pwr 3.0

Wide range with Current Rating up to 12A

Rows and Poles		Headers										Receptade	
		Crimp I HSG	RA I Header	VT Header	RA SMT Hold Down	RA SMT Board Lock	VA SMT Hold down	VT SMT Board Lock	VT BMI	RA BMI	Crimp Contacts	VT Crimp HSG	Crimp Contacts
Minitek® Power 3.0 Standard	Dual Row (2-24)	10127717	10127720	10127721	10137924	10137925	10137926	10137927	10138980	10144754	10127719	10127716	10127718 10134160
	Single Row (1-12)		10136654	10136656	10136655	10137867					10127719	10136653	10127718 10134160
Minitek® Power 3.0 HCC	Dual Row (2-24)	10132446	10132449	10132450	10152198	10148440		10148439			10132448	10132445	10132447 10134160
	Single Row (1-12)		10142730								10132448	10142744	10132447 10134160



Minitek® Pwr 4.2

Supports unique TPA solution, PCIe ATX Series and BMI Headers

AFCI RANGE	Rows & Poles	HEADER						CABLE SIDE								
		Right Angle Header	Straight Header	Straight	PCIe Aux			Plug Hsg	Plug Crimp Contacts	Receptacle			TPA			
				BMI Header	Right Angle Header	Vertical Header	Rec Hsg			Receptacle Hsg	Right Angle Hsg	Receptacle Crimp Contacts	TPA Plug	TPA Plug W/E	TPA Hsg	Aligner
Minitek Power 4.2	Dual Row (2-24)	10127819	10127820	10138978	10147579	10147580	10147577	10127816	10156852	10127815	10122956	10134170	10153592	10153601	10153466	10153465
	Single Row (3-5)	10136646	10136647					10136645		10136644					10153467	
Minitek Power 4.2 HCC	Dual Row (2-24)	10131318	10131319					10127816	10156852	10127815	10122956	10134170				
	Single Row (3-5)	10137784	10137785					10136645		10136644						

Learn more at <https://www.amphenol-icc.com/minitek-pwr>



FCI Basics Products provides a modular interconnection platform of high quality and innovative solutions with a fast and competitive service model that helps to increase the competitiveness of our customer's equipment.

Our solutions include Signal & Mid Power Wire-to-Board, Board-to-Board, Input/Output, FFC/FPC and Backplane

www.amphenol-icc.com/fci-basics | basics@amphenol-icc.com