

Minitek® 2.00mm Receptacle

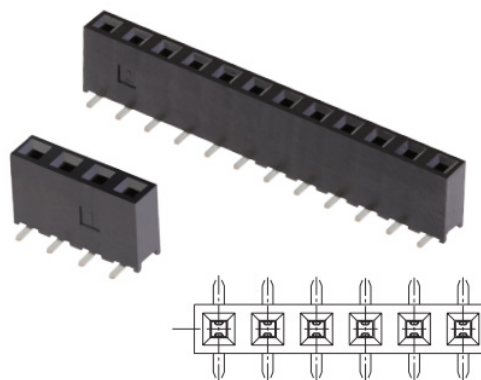
Single and double row

MODULAR AND COMPACT SOLUTION

The Minitek® product family includes single and double row receptacles for Board-to-Board and Wire-to-Board applications, in 2 to 25 positions per row and in vertical and horizontal configurations.

- Selective plating option saves costs
- Double solder tail on each pitch for SR VCC ensures no orientation constraint
- 2Amps performance with more than one contact powered
- Horizontal configuration is ideal for coplanar applications
- Modular system ensures interchangeable solution for flexible design

NEW



*Double solder tail on each pitch for SR VCC

TARGET MARKETS



FEATURES

- Double solder tail on each pitch for Single Row (SR) Vertical Card Connector (VCC)*
- 2Amps with more than one contact powered
- Selective plating
- Low profile version available (2.3mm height)
- Modular system is fully intermateable
- Smaller pitch of 2.00mm
- Dual beam contact design
- Perpendicular or coplanar application
- High raw material temperature range

BENEFITS

- Facilitates automatic placement with no orientation constraint
- Meet higher power Amps performance requirements
- Cost efficient
- Meets specific design requirements
- Interchangeable solution offers design flexibility
- 38% less board space compared with 2.54mm connectors
- Highly reliable electrical performances
- Vertical or horizontal mounting solution
- Withstands reflow soldering process

TECHNICAL INFORMATION

MATERIAL

- Housing: High Temperature Thermoplastic, Black, UL94V-0
- Pin: Phosphor Bronze
- Plating:
 - 1= 0.76µm Gold/GXT® on contact area and 2µm min. matte Tin on tail
 - 2= 0.38µm Gold/GXT® on contact area and 2µm min. matte Tin on tail
 - 3= 0.20µm Gold/GXT® on contact area and 2µm min. matte Tin on tail
 - 9= 1.27µm Nickel min. under layer and 2µm matte Tin on tail

MECHANICAL PERFORMANCE

- Durability: 100 mating cycles

ELECTRICAL PERFORMANCE

- Dielectric Withstanding Voltage: 650V
- Insulation Resistance: 1000MΩ min.
- Current Rating: 2A (all contacts powered)

PACKAGING

- Tube
- Tape

APPROVALS & CERTIFICATION

- UL94 V-0 & CSA

SPECIFICATION

- Amphenol Product Specification: GS-12-1326

ENVIRONMENTAL

- Operating Temperature: -55°C to +125°C

TARGET MARKETS/APPLICATIONS



Automotive



Input/Output Module
Server Drive
Programmable Logic Controller (PLC)

PART NUMBER SELECTOR – SINGLE ROW

XXXXXXXX	X	XX	X	XX	
BASE PART NUMBER	PLATING CODE	TOTAL POSITIONS	PACKAGING OPTION	LEAD-FREE	LF
Single Row	Vertical, SMT	10131935	Tube (standard packaging)		U
			Tape and reel for SMT & as available		A
			2 positions	02	14 positions 14
			3 positions	03	15 positions 15
			4 positions	04	16 positions 16
			5 positions	05	17 positions 17
			6 positions	06	18 positions 18
			7 positions	07	19 positions 19
			8 positions	08	20 positions 20
			9 positions	09	21 positions 21
Single Row	Vertical, THT	10131934	Tube (standard packaging)		U
			Tape and reel for SMT & as available		A
			2 positions	02	14 positions 14
			3 positions	03	15 positions 15
			4 positions	04	16 positions 16
			5 positions	05	17 positions 17
			6 positions	06	18 positions 18
			7 positions	07	19 positions 19
			8 positions	08	20 positions 20
			9 positions	09	21 positions 21
Single Row	Horizontal, SMT	10131931	Tube (standard packaging)		U
			Tape and reel for SMT & as available		A
			2 positions	02	14 positions 14
			3 positions	03	15 positions 15
			4 positions	04	16 positions 16
			5 positions	05	17 positions 17
			6 positions	06	18 positions 18
			7 positions	07	19 positions 19
			8 positions	08	20 positions 20
			9 positions	09	21 positions 21
Single Row	Horizontal, THT	10131930	Tube (standard packaging)		U
			Tape and reel for SMT & as available		A
			2 positions	02	14 positions 14
			3 positions	03	15 positions 15
			4 positions	04	16 positions 16
			5 positions	05	17 positions 17
			6 positions	06	18 positions 18
			7 positions	07	19 positions 19
			8 positions	08	20 positions 20
			9 positions	09	21 positions 21
Single Row	0.76µm Gold/GXT® on contact area; 2µm min. matte Tin on tail.	1	Tube (standard packaging)		U
			Tape and reel for SMT & as available		A
			2 positions	02	14 positions 14
			3 positions	03	15 positions 15
			4 positions	04	16 positions 16
			5 positions	05	17 positions 17
			6 positions	06	18 positions 18
			7 positions	07	19 positions 19
			8 positions	08	20 positions 20
			9 positions	09	21 positions 21
Single Row	0.38µm Gold/GXT® on contact area; 2µm min. matte Tin on tail	2	Tube (standard packaging)		U
			Tape and reel for SMT & as available		A
			2 positions	02	14 positions 14
			3 positions	03	15 positions 15
			4 positions	04	16 positions 16
			5 positions	05	17 positions 17
			6 positions	06	18 positions 18
			7 positions	07	19 positions 19
			8 positions	08	20 positions 20
			9 positions	09	21 positions 21
Single Row	0.20µm Gold/GXT® on contact area; 2µm min. matte Tin on tail	3	Tube (standard packaging)		U
			Tape and reel for SMT & as available		A
			2 positions	02	14 positions 14
			3 positions	03	15 positions 15
			4 positions	04	16 positions 16
			5 positions	05	17 positions 17
			6 positions	06	18 positions 18
			7 positions	07	19 positions 19
			8 positions	08	20 positions 20
			9 positions	09	21 positions 21
Single Row	1.27µm Nickel min. under layer; 2µm matte Tin on tail	9	Tube (standard packaging)		U
			Tape and reel for SMT & as available		A
			2 positions	02	14 positions 14
			3 positions	03	15 positions 15
			4 positions	04	16 positions 16
			5 positions	05	17 positions 17
			6 positions	06	18 positions 18
			7 positions	07	19 positions 19
			8 positions	08	20 positions 20
			9 positions	09	21 positions 21

PART NUMBER SELECTOR – DOUBLE ROW

XXXXXXXX	X	XX	X	XX	
BASE PART NUMBER	PLATING CODE	TOTAL POSITIONS	PACKAGING OPTION	LEAD-FREE	LF
Single Row	Vertical, SMT	10131937	Tube (standard packaging)		U
			Tape and reel for SMT & as available		A
			2 positions	02	
			Up to 50 positions	50	
			0.76µm Gold/GXT® on contact area; 2µm min. matte Tin on tail.		1
			0.38µm Gold/GXT® on contact area; 2µm min. matte Tin on tail		2
			0.20µm Gold/GXT® on contact area; 2µm min. matte Tin on tail		3
			1.27µm Nickel min. under layer; 2µm matte Tin on tail		9
			0.76µm Gold/GXT® on contact area; 2µm min. matte Tin on tail.		1
			0.38µm Gold/GXT® on contact area; 2µm min. matte Tin on tail		2
Single Row	Vertical, THT	10131936	Tube (standard packaging)		U
			Tape and reel for SMT & as available		A
			2 positions	02	
			Up to 50 positions	50	
			0.76µm Gold/GXT® on contact area; 2µm min. matte Tin on tail.		1
			0.38µm Gold/GXT® on contact area; 2µm min. matte Tin on tail		2
			0.20µm Gold/GXT® on contact area; 2µm min. matte Tin on tail		3
			1.27µm Nickel min. under layer; 2µm matte Tin on tail		9
			0.76µm Gold/GXT® on contact area; 2µm min. matte Tin on tail.		1
			0.38µm Gold/GXT® on contact area; 2µm min. matte Tin on tail		2
Single Row	Horizontal, SMT	10131933	Tube (standard packaging)		U
			Tape and reel for SMT & as available		A
			2 positions	02	
			Up to 50 positions	50	
			0.76µm Gold/GXT® on contact area; 2µm min. matte Tin on tail.		1
			0.38µm Gold/GXT® on contact area; 2µm min. matte Tin on tail		2
			0.20µm Gold/GXT® on contact area; 2µm min. matte Tin on tail		3
			1.27µm Nickel min. under layer; 2µm matte Tin on tail		9
			0.76µm Gold/GXT® on contact area; 2µm min. matte Tin on tail.		1
			0.38µm Gold/GXT® on contact area; 2µm min. matte Tin on tail		2
Single Row	Horizontal, THT	10131932	Tube (standard packaging)		U
			Tape and reel for SMT & as available		A
			2 positions	02	
			Up to 50 positions	50	
			0.76µm Gold/GXT® on contact area; 2µm min. matte Tin on tail.		1
			0.38µm Gold/GXT® on contact area; 2µm min. matte Tin on tail		2
			0.20µm Gold/GXT® on contact area; 2µm min. matte Tin on tail		3
			1.27µm Nickel min. under layer; 2µm matte Tin on tail		9
			0.76µm Gold/GXT® on contact area; 2µm min. matte Tin on tail.		1
			0.38µm Gold/GXT® on contact area; 2µm min. matte Tin on tail		2