



basics+

A Simple Way to Find Your Solutions

Basics+ Program offers you high quality and innovative solutions. Be it a connector or cable assembly, we have the solution to meet your application needs.

USEFUL RESOURCES



CATALOG

This catalog introduces the range of products recommended under the Basics portfolio.



MICROSITE

An informative microsite at basics.fci.com provides a step-by-step menu to assist you in your search. You can easily find a product that suits your needs.



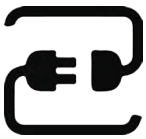
PRODUCT DOCUMENTS

Product datasheets, product drawings, specifications, application notes, packaging drawings and other documents are available on basics.fci.com.



TECHNICAL SUPPORT

Get answers to your technical questions within 24 hours. Simply send your questions to our e-mail hotline: basics@fci.com.



SAMPLES

Order your samples now! Sample requests can be made via the Sample Request Form at basics.fci.com.



STOCK CHECK & LEAD TIME

Access stocking information such as packaging quantity, minimum order quantity, lead time and stock details at basics.fci.com. All commercial information will be at your fingertips upon successful account registration.



SPECIAL DESIGNS

Customize your own connector design by sending your special designs and requirements to www.fci.com/designservice.

A SIMPLE WAY TO FIND YOUR SOLUTIONS

Basics portfolio offers a wide range of WTB, BTB, I/O and FFC/FPC solutions for Industrial & Instrumentation, Datacom, Telecom, Medical, Automotive (CMD) and Consumer markets. AFCI is your interconnect partner offering faster delivery, better service and the most comprehensive range of products.

Basics+ program recommends the most popular products and configurations used in the markets. They are classified under 4 categories.

The most industry-popular part numbers. Stocks available at our key distributors.

Industry-popular connectors. Components held in stock by AFCI and assembled immediately to meet your order.

**CORE
RANGE**

**PRIORITY
PART**

basics +

**EXTENDED
RANGE**

**CATALOG
RANGE**

A huge range of specials to meet the most demanding design needs.

The comprehensive selection of products found in this catalog.

CONTENT PAGE

▶ Solutions for Board-to-Board & Wire-to-Board Applications	
• Board-to-Board	5
• Wire-to-Board	8
• Application Matrix	11
▶ Minitek® Pwr 4.20 and 3.00mm	13
▶ Griplet® Miniature IDC	23
▶ BergStik® 2.54mm	25
• Headers	26
▶ Dubox® 2.54mm	31
• Headers	32
• Receptacles	34
• Crimp-to-Wire	39
• Shunts	43
▶ Quickie® 2.54mm	45
• Headers	46
• IDC Receptacles	50
• IDC Headers	52
▶ PV® 2.54mm	53
• Headers	54
• Crimp-to-Wire	56
▶ Minitek® 2.00mm	61
• Headers	63
• Receptacles	67
• Crimp-to-Wire	72
• IDC Receptacles	74
• Shunts	76
▶ Minitek127® 1.27mm	77
• Headers	80
• Receptacles	83
• IDC Headers	84
▶ BergStak® 0.50mm	87
• Mezzanine	88

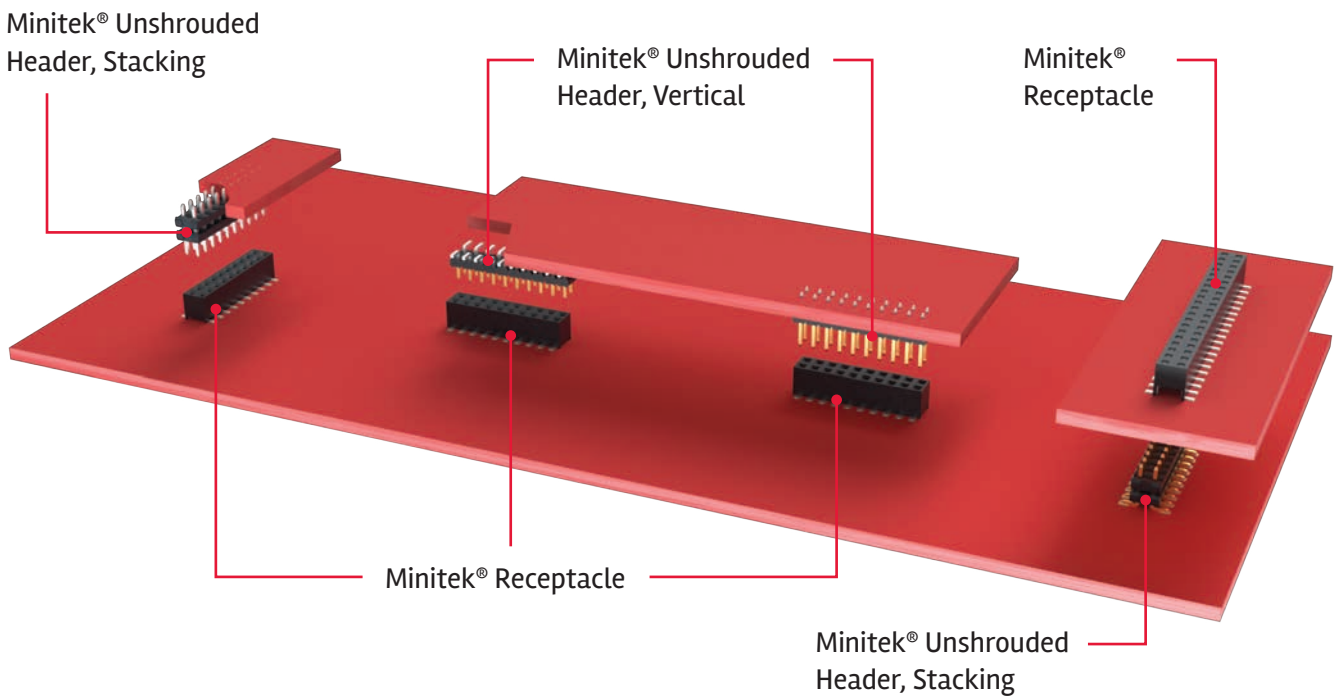
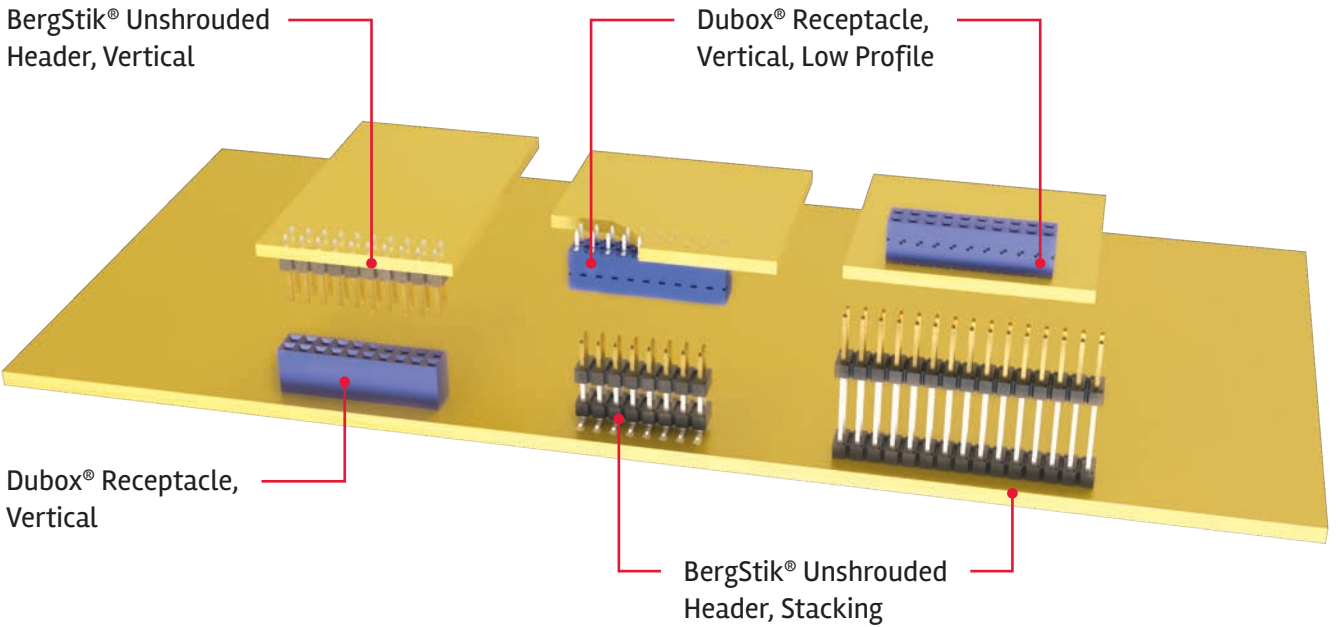
▶ FFC/FPC Connectors	90
• HFW Series	91
• SFW Series	93
• SFV Series	95
• VLL Series	97
▶ PCB Terminal Blocks	102
• Wire Protector System	103
• Rising Clamp System	104
• Screw Pluggable System	105
• Spring Clamp Pluggable System	106
• Spring Clamp System	107
• Spring Clamp System- NQ Series	108
• Barrier Terminal Blocks	111
▶ D-Subminiature Connectors	113
▶ Modular Jack Connectors	117
▶ Cable Assemblies	
• (Crimp-to-Wire, IDC and I/O)	120
▶ Part Numbers Index	124

Disclaimer

LEGEND

 = 4.20mm	 = 3.00mm	 = 2.54mm	 = 2.00mm	 = 1.27mm	 = 0.50mm
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Parallel

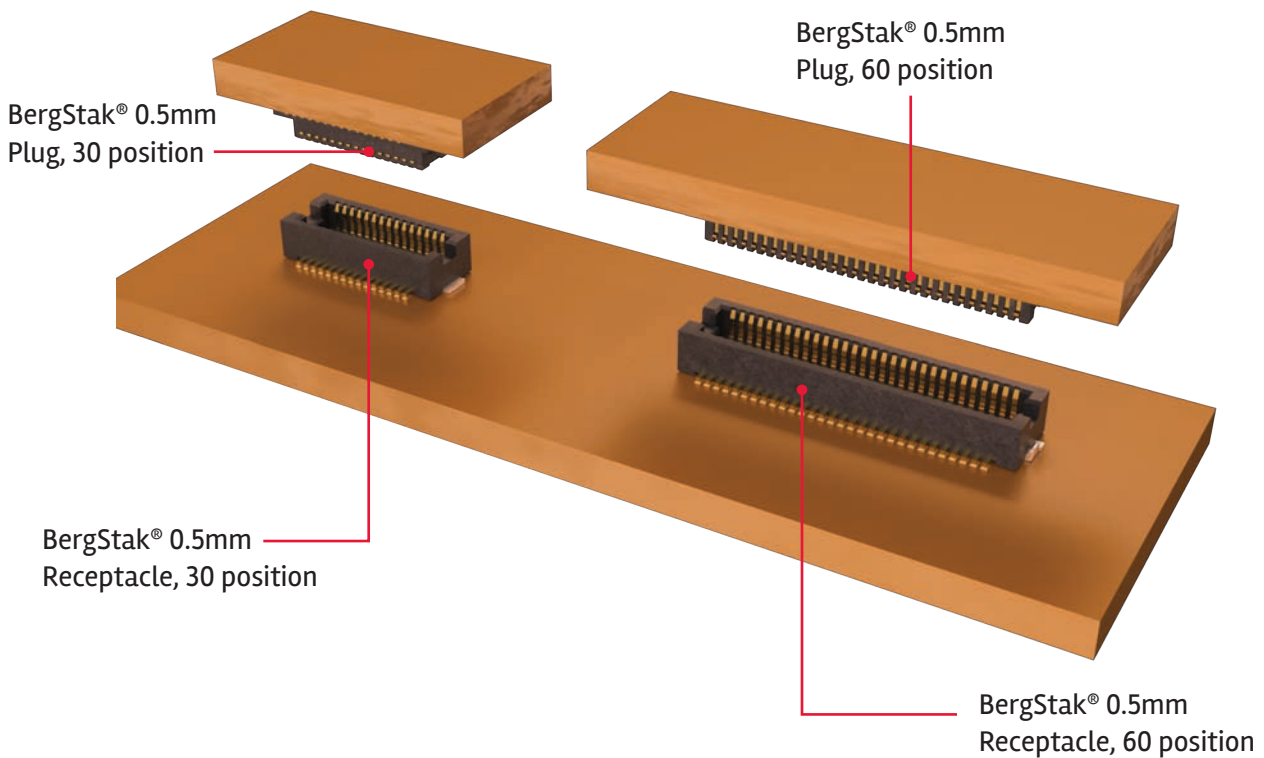
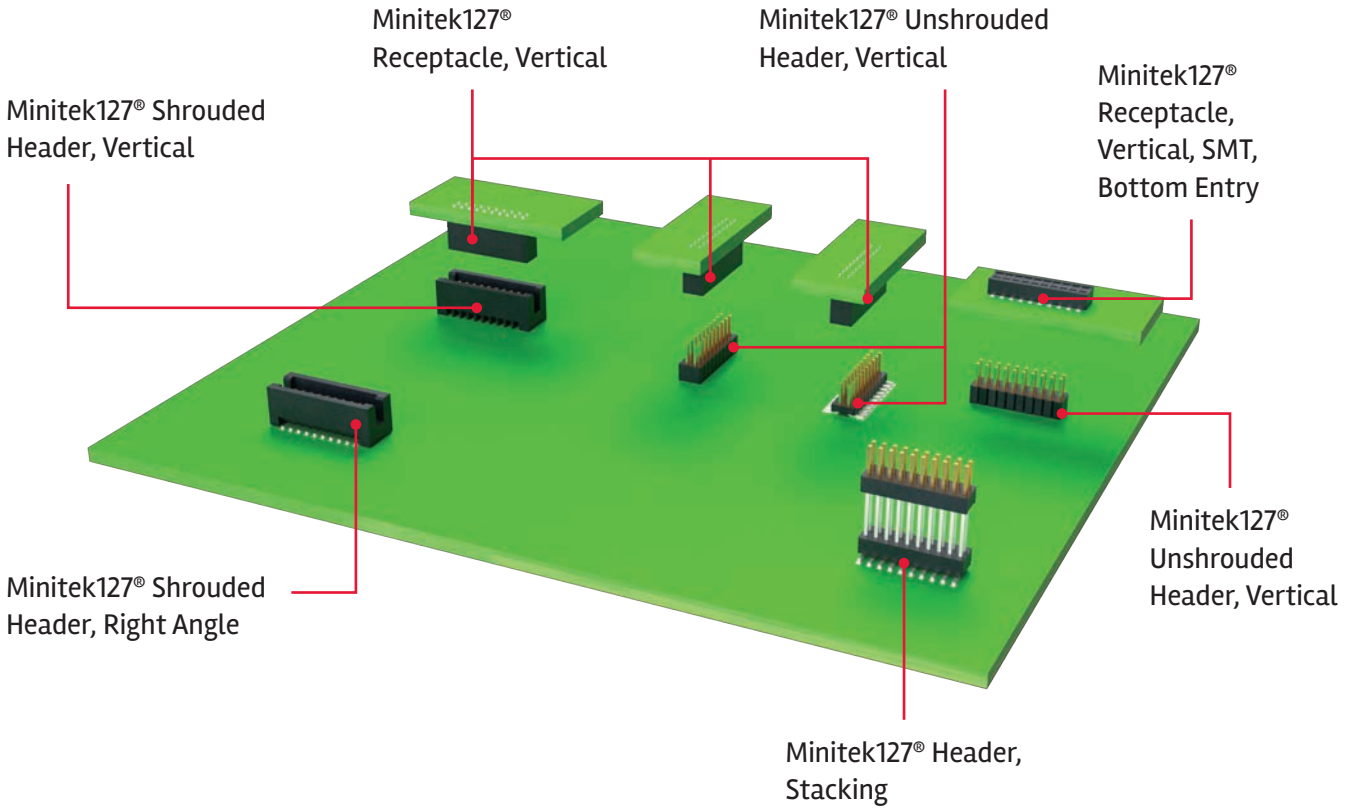


▶ BOARD-TO-BOARD APPLICATIONS

LEGEND

 = 4.20mm  = 3.00mm  = 2.54mm  = 2.00mm  = 1.27mm  = 0.50mm

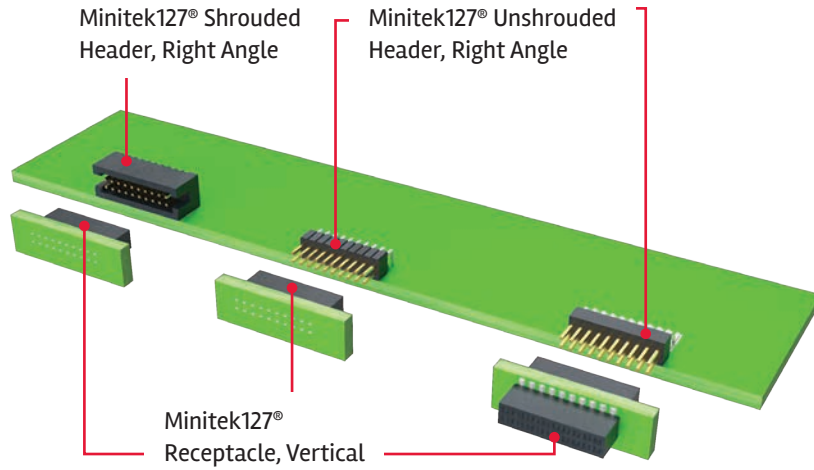
Parallel



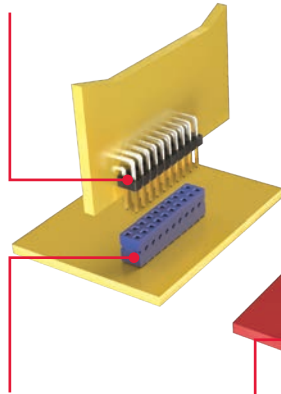
LEGEND

 = 4.20mm
  = 3.00mm
  = 2.54mm
  = 2.00mm
  = 1.27mm
  = 0.50mm

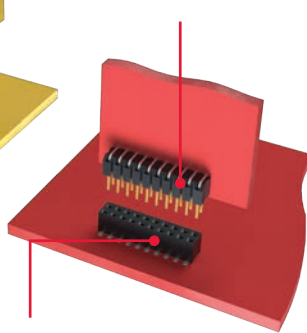
Right Angle



BergStik[®] Unshrouded Header, Right Angle, Dual Row

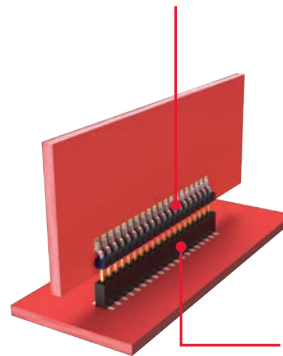


Minitek[®] Unshrouded Header, Stacking



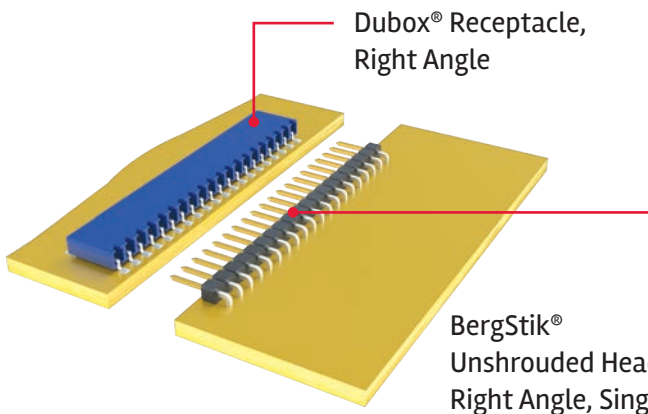
NEW

Minitek[®] Unshrouded Header, Single Row



NEW

Coplanar



Minitek[®] Receptacle, Dual Row

NEW

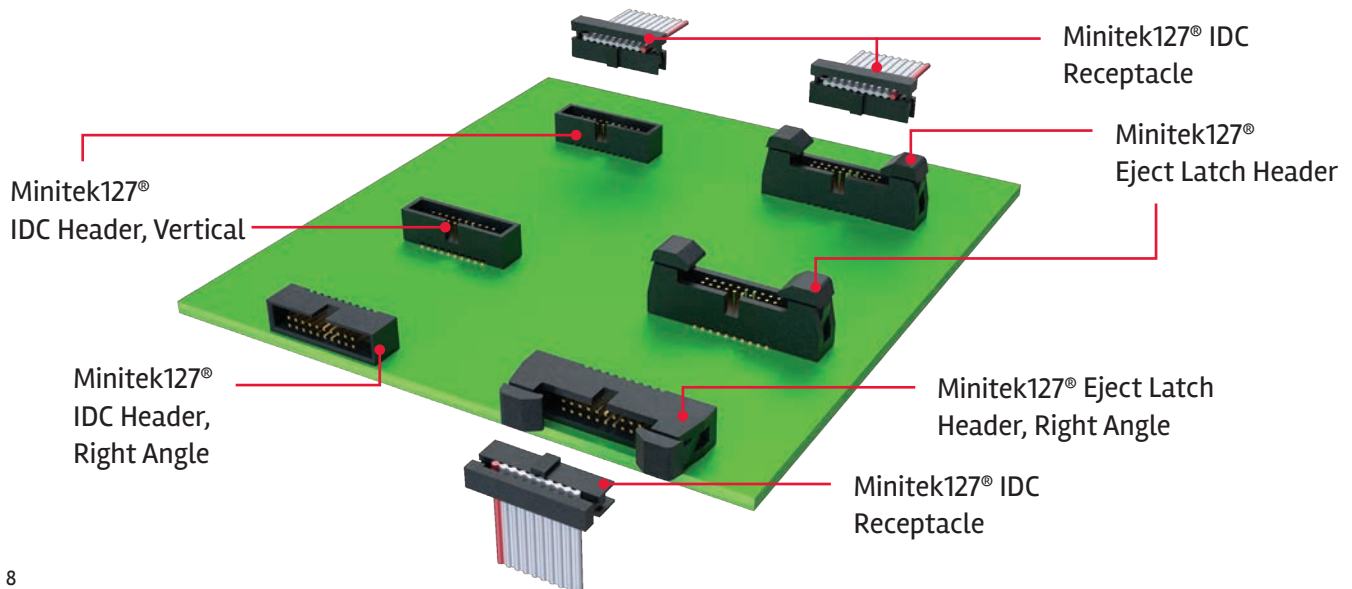
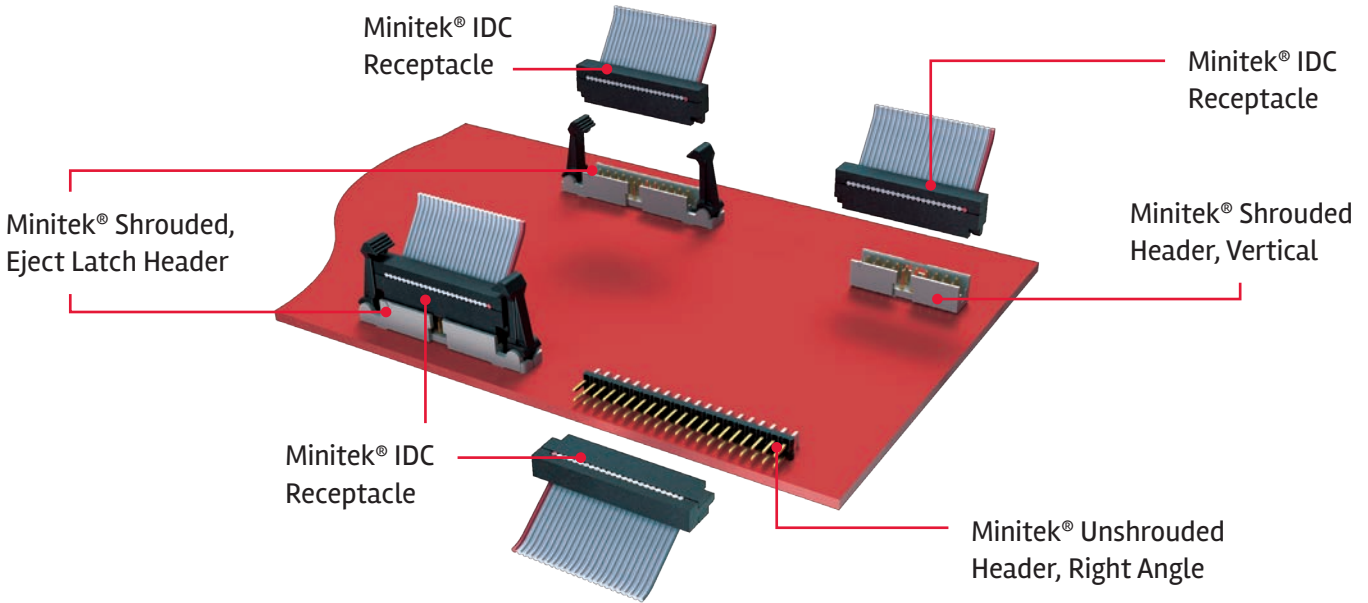
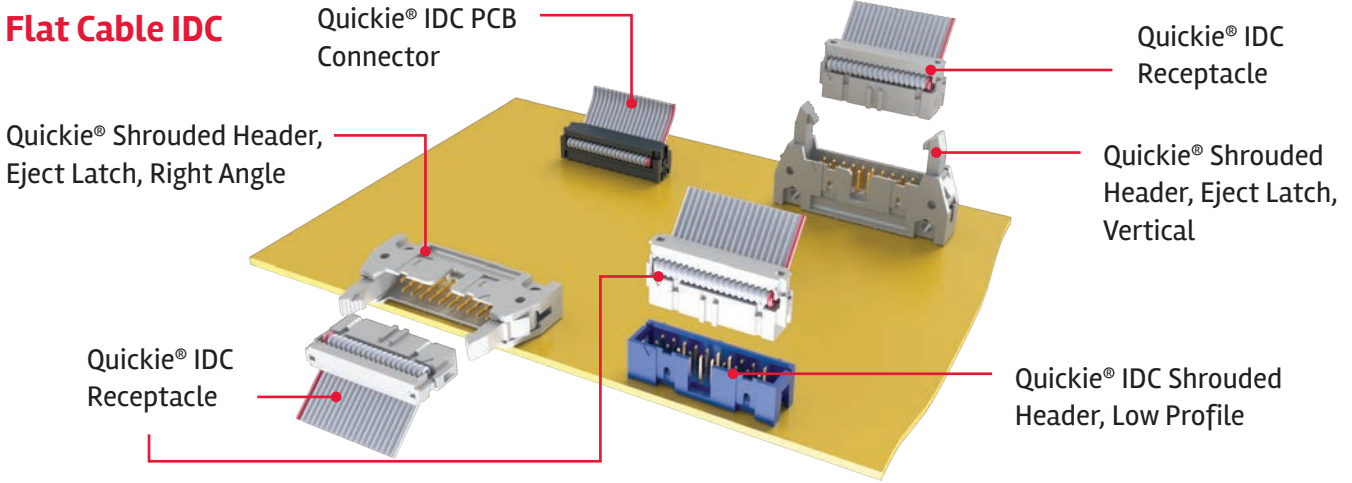
Minitek[®] Unshrouded Header, Dual Row

WIRE-TO-BOARD APPLICATIONS

LEGEND



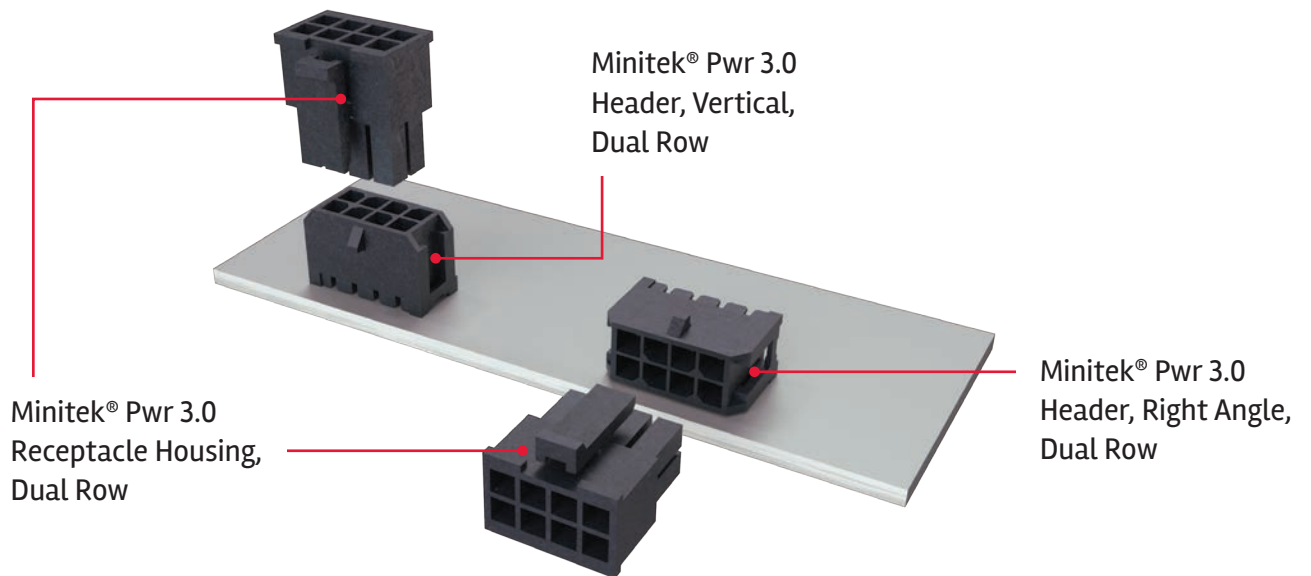
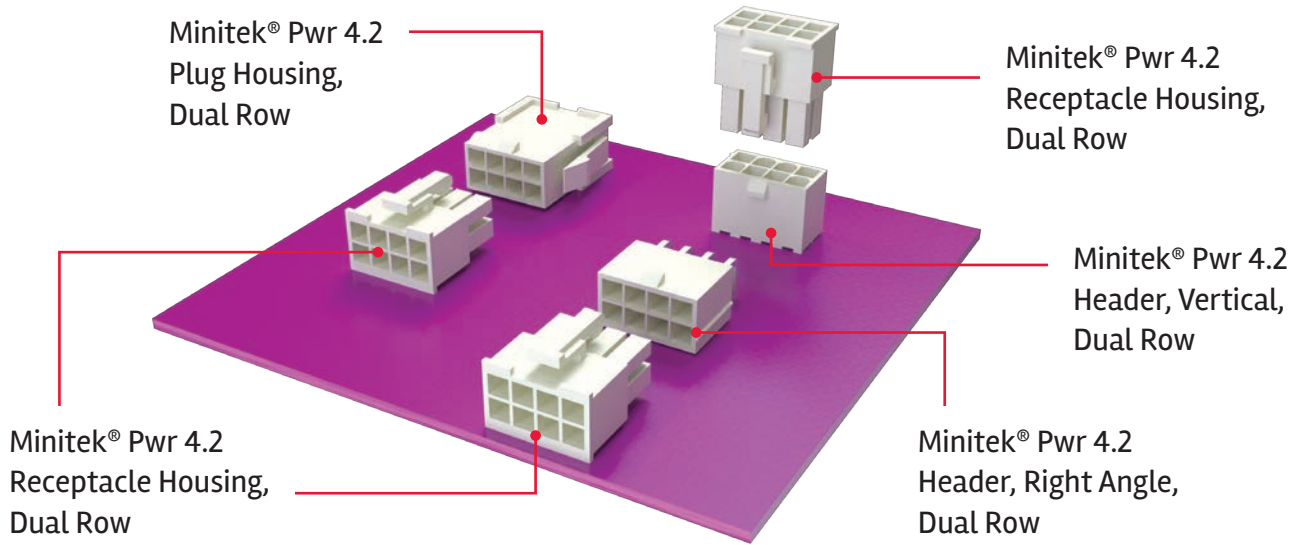
Flat Cable IDC



LEGEND

= 4.20mm
 = 3.00mm
 = 2.54mm
 = 2.00mm
 = 1.27mm
 = 0.50mm

Discrete Wire



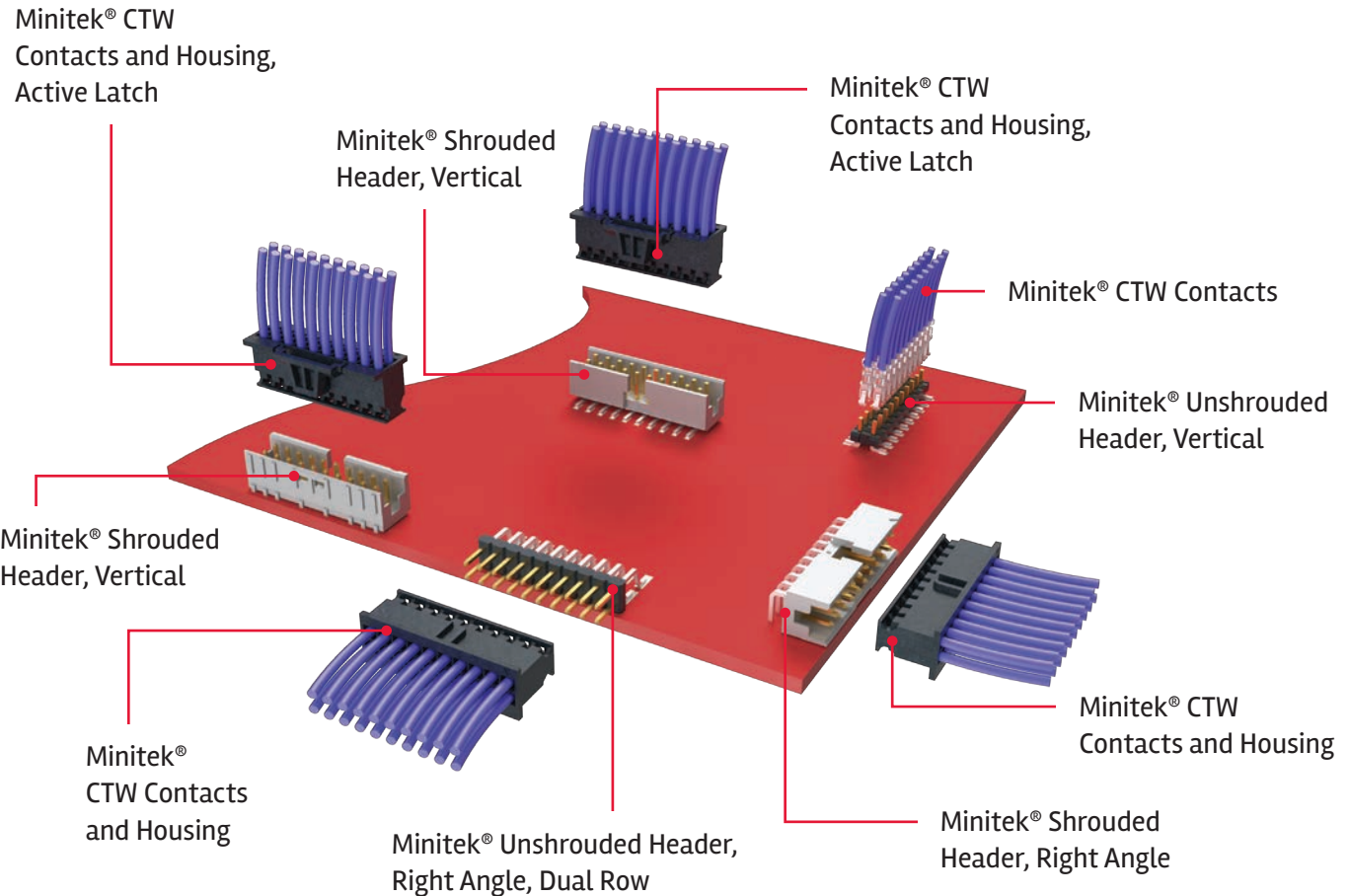
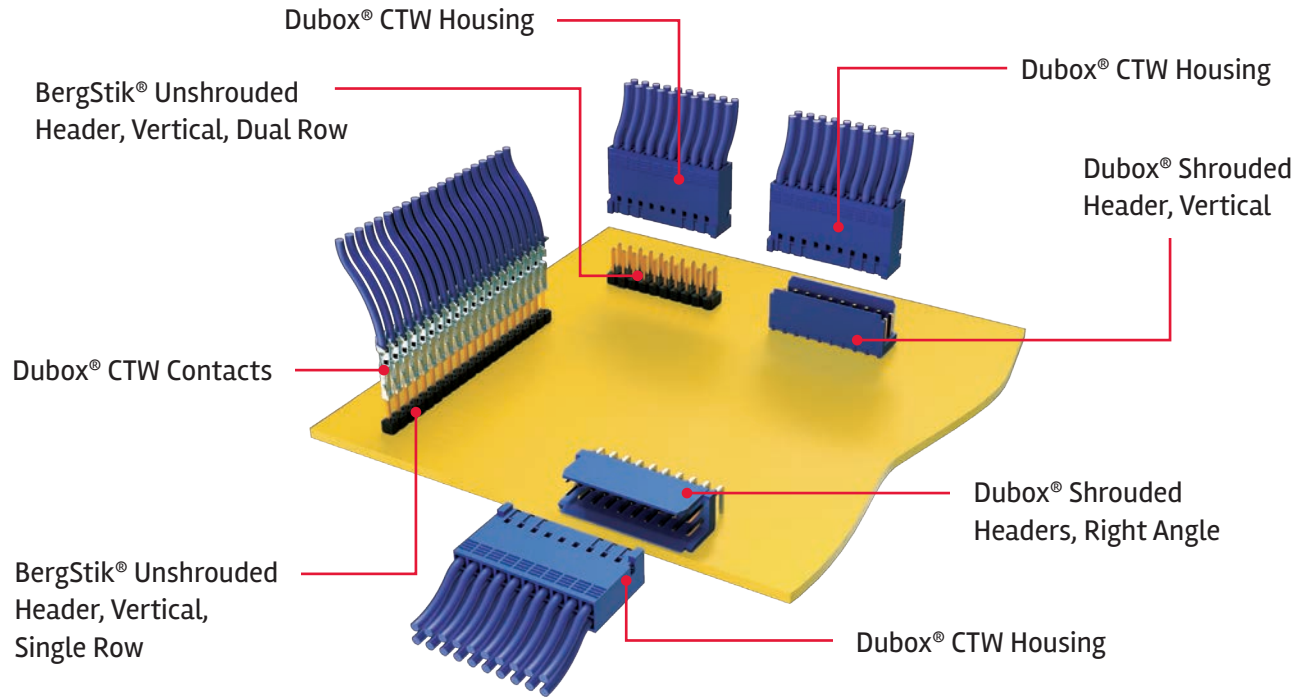
WIRE-TO-BOARD APPLICATIONS

LEGEND



* CTW = Crimp-to-Wire

Discrete Wire



Pitch (mm)	Product Name	Type		Application		
				Board-to-Board	Wire-to-Board	
4.20	Minitek® Pwr 4.2				●	
4.00	Griplet®	Griplet® Miniature IDC			●	
3.00	Minitek® Pwr 3.0				●	
2.54	BergStik®	Headers	Unshrouded, Vertical, Standard	●		
			Unshrouded, Vertical, Special	●		
	Dubox®	Headers	Shrouded, Vertical	●		
			Receptacles	Vertical, Standard	●	
				Vertical, Low Profile, TH	●	
		Vertical, Low Profile, SMT		●		
		Crimp-to-Wire	Contacts		●	
			Housing		●	
	Shunts		●			
	Quickie®	Headers	Shrouded, Low Profile		●	
			Shrouded, Eject Latch		●	
		IDC	Receptacles		●	
			Headers		●	
	PV®	Headers	Shrouded		●	
		Crimp-to-Wire	Contacts		●	
Housing				●		
2.00	Minitek®	Headers	Unshrouded, Vertical	●		
			Shrouded, Vertical	●	●	
		Receptacles	Right Angle & Vertical	●		
		Crimp-to-Wire	Contacts & Housing, Active Latch		●	
		IDC	Receptacles		●	
		Shunts		●		
1.27	Minitek127®	Headers	Shrouded	●		
			Unshrouded	●		
			Eject Latch	●		
		Receptacles	Vertical	●		
		IDC	Headers		●	
0.50	BergStak® 0.5	Mezzanine		●		

Pitch (mm)	Product Name	Base Part Number	FFC/FPC Connectors Specification			
			Height (mm)	FPC Thickness	Contact Location	ZIF / LIF
1.00	HFW-R	HFW	1.9	0.3	Bottom, Top	-
	HFW-S	HFW	5.3	0.3	Vertical	-
	SFW-R	SFW	2.7	0.3	Bottom, Top	Slider
	SFW-S	SFW	5.3	0.3	Vertical	Slider
0.50	SFV-R	SFV	1.8	0.3	Bottom, Top	Slider
	SFV-S	62674	4.1	0.3	Vertical	Slider
	VLL	10051922	1.2	0.3	Bottom	Back Side Flip

MINITEK® PWR 4.2 CONNECTOR SYSTEM

Dual Row & Single Row

COMPACT, ROBUST AND VERSATILE

Minitek® Pwr 4.2mm is a flexible and comprehensive solution designed for power application with current rating up to 9A per circuit. It is available in 2 to 24 circuits for dual row and 3 to 5 circuits for single row.

- Solutions for Wire-to-Board, Wire-to-Wire and Wire-to-Panel applications
- Scoop proof housing prevents terminals from damage
- Polarized mating geometry to prevent mismatching
- Fully isolated terminal stop prevent terminals from damage



FEATURES

- Low insertion force for installation of crimped terminal
- Fully isolated terminals
- Positive locking on housing with low thumb latch operation
- Fully polarized housings
- Scoop-proof housings
- High retention force in housing
- Glow wire compliant option
- UL94V-0 flammability rated nylon material
- Patented right angle type receptacle
- RoHS compliant and lead-free

BENEFITS

- Easy to use
- Prevents terminals from potential damage during operation
- Ensures secured mating retention
- Prevents accidental mismatching
- Ensures terminals and header pins are not damaged for angled mating
- Well secures terminals in housings
- Complies with International Standard IEC 60335-1 for household appliances
- High flammability rating
- Ideal for cable routing within 1U or 2U equipment systems
- Meet environmental, health and safety requirements

▶ MINITEK® PWR 4.2 CONNECTOR SYSTEM

TECHNICAL INFORMATION

MATERIAL

- Board Connector: Brass with optional Tin and Gold Flash plating
- Housing: Nylon 66 & LCP, Natural & Black, UL94V-0
- Crimping Terminal: Brass/Phosphorus Bronze with optional Tin and Gold Flash plating
- Material: 1= Phosphorus Bronze; 2= Brass
- Plating: 1= Gold Flash; 2= Tin

MECHANICAL PERFORMANCE

- Terminal Insertion Force: 14.7N max.
- Terminal Withdrawal Force: 1N min.
- Durability: 30 mating cycles
- Wire Pullout Force: Refer to product specifications

APPROVALS AND CERTIFICATIONS

- Dual Row: UL E66906 & E467317
- Single Row: UL pending
- Glow Wire Ignition Temperature (GWIT) per IEC 60695-2-13
- Glow Wire Flammability Index (GWFI) per IEC 60695-2-12

PACKAGING

- PCB Header: Tray
- Crimping Housing: Bag
- Terminal: Reel

TOOLING INFORMATION

- Ratchet Hand Crimping Tool: 10129483-001LF
- Terminal Extraction Tool: 10129274-042LF

ENVIRONMENTAL

- Operating Temperature: -40°C to +105°C
- *Includes 30°C terminal temperature rise at rated current

ELECTRICAL PERFORMANCE

- Low Level Contact Resistance: 10mΩ max.
- Insulation Resistance: 1000MΩ min.
- Voltage Rating: 600Vrms
- Current Rating: Up to 9A per contact
- Dielectric Withstand Voltage: 1500VAC
- Temperature Rise: 30°C max.
- Terminals Wire Gauge: 1= 28 to 24AWG; 2= 22 to 16AWG

SPECIFICATIONS

- Product Specification: GS-12-1181
- Application Specification: GS-20-0401
- Packaging Specification: GS-14-2362

PART NUMBERS

Type	Description	Part Numbers
Dual Row	Right angle PCB header, through hole	10127819
	Vertical PCB header, through hole	10127820
	Right angle receptacle housing with cover	10122956
	Receptacle housing	10127815
	Panel mount header housing	10127816
Single Row	Right angle PCB header, through hole	10136646
	Vertical PCB header, through hole	10136647
	Receptacle housing	10136644
	Panel mount header housing	10136645
Applicable for both types	Receptacle terminal	10127817
	Header terminal	10127818

MINITEK® PWR 4.2 CONNECTOR SYSTEM

PART NUMBER SELECTOR

Dual Row, Right Angle PCB Header, Through Hole

XXXXXXX				XX		X	X	X	X	XX
BASE PART NUMBER				TOTAL POSITIONS	PLATING CODE	HOUSING COLOR	HOUSING MATERIAL	LOCATING PEG	LEAD-FREE	
Dual Row 10127819						Natural Black	None Both pegs	Blank P	LF	
2 pos	02	14 pos	14	Gold Flash 1 Tin 2	Nylon 66 1 LCP 2 Nylon 66, Glow wire compatible G					
4 pos	04	16 pos	16							
6 pos	06	18 pos	18							
8 pos	08	20 pos	20							
10 pos	10	22 pos	22							
12 pos	12	24 pos	24							

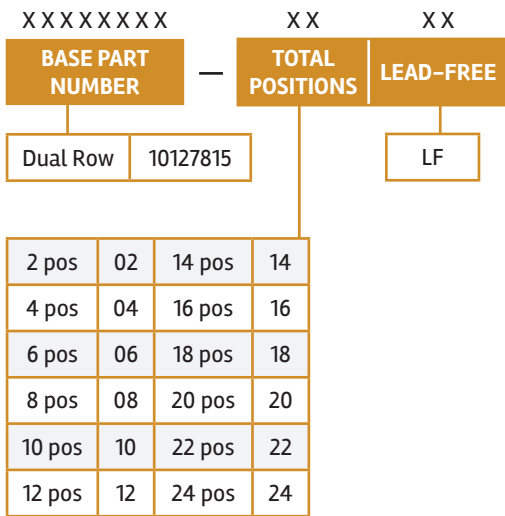
Dual Row, Vertical PCB Header, Through Hole

XXXXXXX				XX		X	X	X	X	X	XX
BASE PART NUMBER				TOTAL POSITIONS	MATERIAL CODE	PLATING CODE	GLOW WIRE	PEG	CAP	LEAD-FREE	
Dual Row 10127820					Brass 2			No Peg 2 Pegs	Blank P	LF	
2 pos	02	14 pos	14	Gold Flash 1 Tin 2	Non-compatible PA66, Compatible LCP, Compatible	Blank G L					
4 pos	04	16 pos	16								
6 pos	06	18 pos	18								
8 pos	08	20 pos	20								
10 pos	10	22 pos	22								
12 pos	12	24 pos	24								
								N.A. for 2 pos			
								No cap, Tray	Blank		
								With cap, Tape/Reel	L		

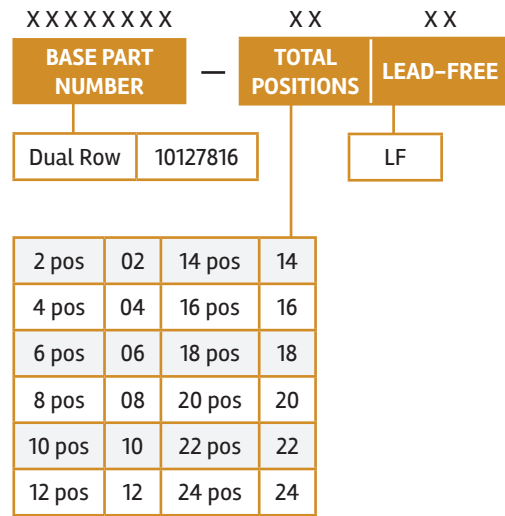
MINITEK® PWR 4.2 CONNECTOR SYSTEM

PART NUMBER SELECTOR

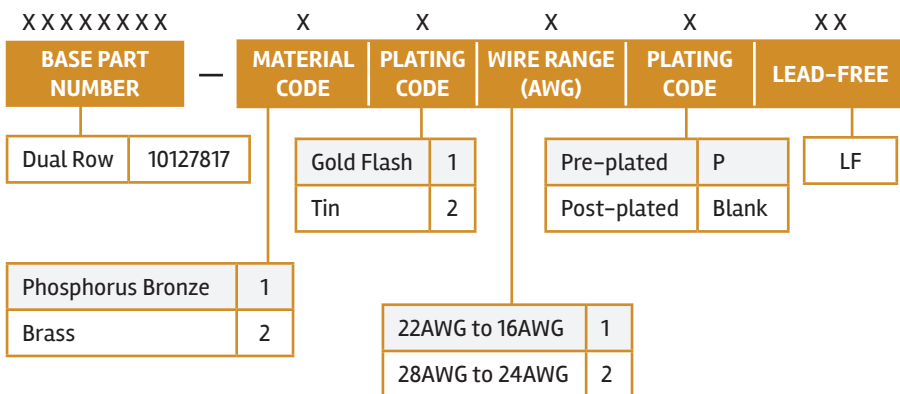
Receptacle Housing



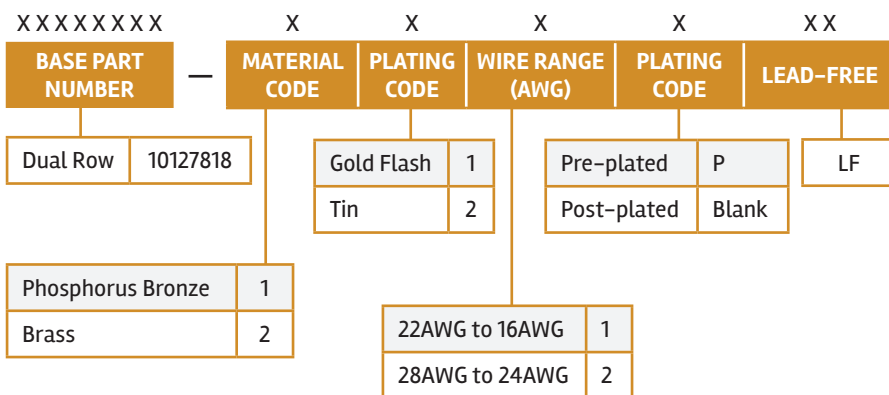
Header Housing



Receptacle Terminal



Header Terminal



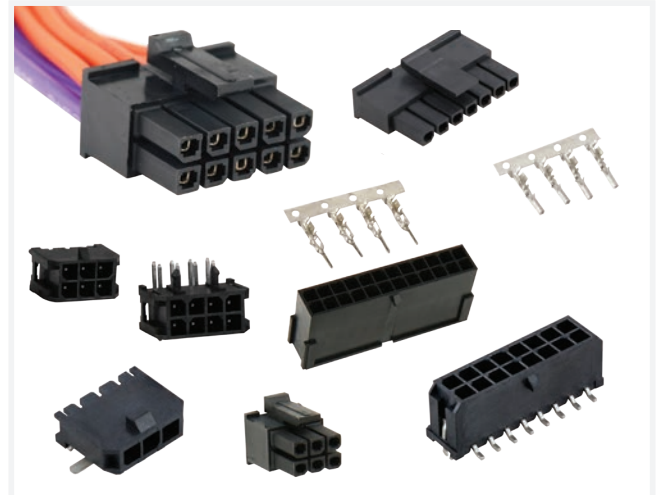
MINITEK® PWR 3.0 CONNECTOR SYSTEM

Dual Row & Single Row

COMPACT, ROBUST AND VERSATILE

Minitek® Pwr 3.0 is a flexible and comprehensive solution designed for power application with current rating up to 5A per circuit. It is available in 2 to 24 circuits for dual row and 2 to 12 circuits for single row.

- Solutions for Wire-to-Board and Wire-to-Wire applications
- Low insertion force for installation of crimped terminal makes it easy to use
- Polarized mating geometry prevents mismatching
- Fully isolated terminals prevents terminals from damage



TARGET MARKETS



FEATURES

- Low insertion force for installation of crimped terminal
- Fully isolated terminals
- Positive locking on housing with low thumb latch operation
- Fully polarized housings
- Scoop-proof housings
- High retention force in housing
- Glow wire compliant series available
- UL94V-0 flammability rated LCP material
- RoHS compliant and Lead-Free

BENEFITS

- Easy to use
- Prevents terminals from potential damage during operation
- Ensures secured mating retention
- Prevents accidental mismating
- Ensures terminals and header pins are not damaged for angled mating
- Well secured terminals in housing
- Complies with International Standard IEC 60335-1 for household appliances
- High flammability rating
- Meets environmental, health and safety requirements

▶ MINITEK® PWR 3.0 CONNECTOR SYSTEM

TECHNICAL INFORMATION

MATERIAL

- Board Connector: Brass with optional Tin and Gold Flash plating
- Housing: LCP & Nylon, Black, UL94 V-0
- Crimping Terminal: Phosphorus Bronze with optional Tin and Gold Flash plating
- Material: Phosphorus Bronze
- Plating: 1= Tin; 2= Gold Flash; 4= 0.76µm Gold on contact, Tin on solder tail

MECHANICAL PERFORMANCE

- Terminal Insertion Force: 4.5N max
- Terminal Withdrawal Force: 2N min. before durability, 1.5N min. after durability
- Durability: 100 mating cycles
- Wire Pullout Force: Refer to product specifications

APPROVALS AND CERTIFICATIONS

- Dual Row: UL E66906 & E467317
- Single Row: UL pending
- Glow Wire Ignition Temperature (GWIT) per IEC 60695-2-13
- Glow Wire Flammability Index (GWIT) per IEC 60695-2-12

PACKAGING

- PCB Header: Tray
- Crimping Housing: Bag
- Terminal: Reel

TOOLING INFORMATION

- Ratchet Hand Crimping Tool: 10129483-001LF
- Terminal Extract Tool: 10129274-030LF

ENVIRONMENTAL

- Operating Temperature: -40°C to +105°C
- *Includes 30°C terminal temperature rise at rated current

ELECTRICAL PERFORMANCE

- Low Level Contact Resistance: 20mΩ max.
- Insulation Resistance: 1000MΩ min.
- Voltage Rating: 250Vrms
- Current Rating: 5A per contact. Refer to product specifications for higher current application
- Dielectric Withstand Voltage: 1000VAC
- Temperature Rise: 30°C max.

SPECIFICATIONS

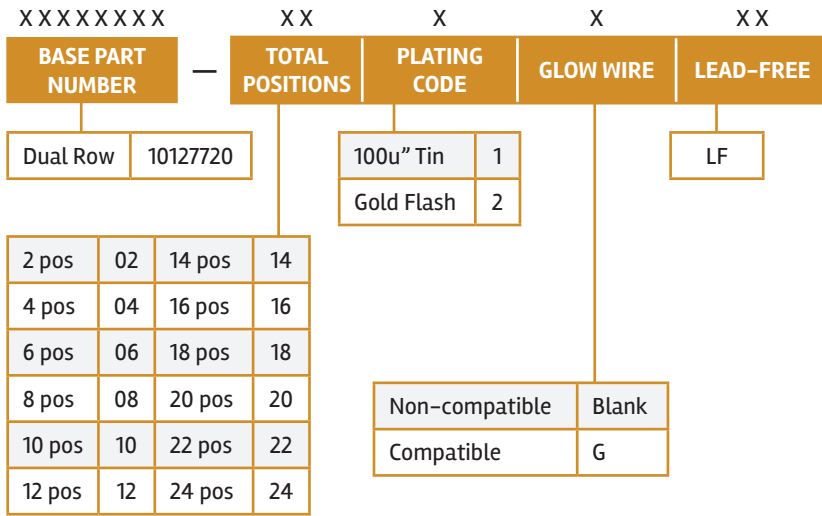
- Product Specification: GS-12-1177
- Application Specification: GS-20-0399
- Packaging Specification: GS-14-2359

PART NUMBERS

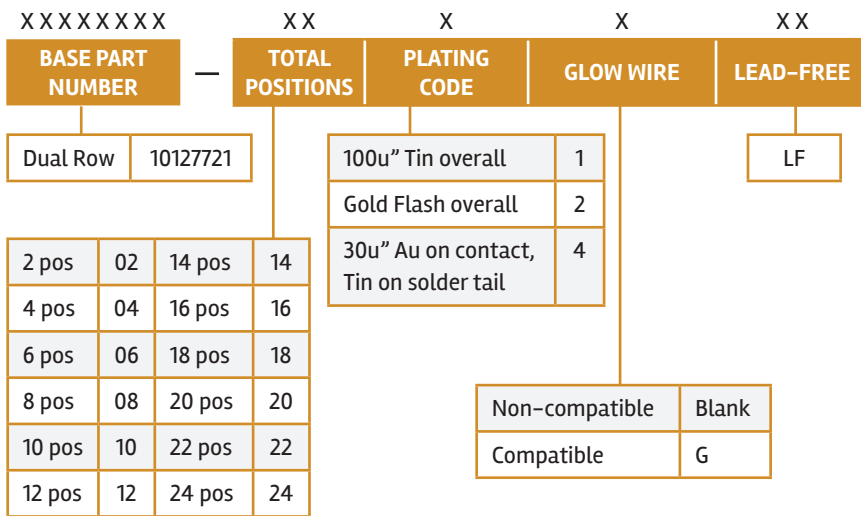
Type	Description	Part Numbers
Dual Row	Right angle PCB header, through hole	10127720
	Vertical PCB header, through hole	10127721
	Receptacle housing	10127716
	Header housing	10127717
	Right angle PCB header, SMT	10137924
	Right angle PCB header, DIP boardlock	10137925
	Vertical PCB header, SMT	10137926
	Vertical PCB header, DIP boardlock	10137927
Single Row	Right angle PCB header, through-hole	10136654
	Right angle PCB header, SMT tail & hold down	10136655
	Vertical PCB Header, through hole	10136656
	Right angle PCB header, SMT tail & DIP boardlock	10137867
	Receptacle housing	10136653
Applicable for both types	Receptacle terminal	10127718
	Header terminal	10127719

PART NUMBER SELECTOR

Dual Row, Right Angle PCB Header, Through Hole

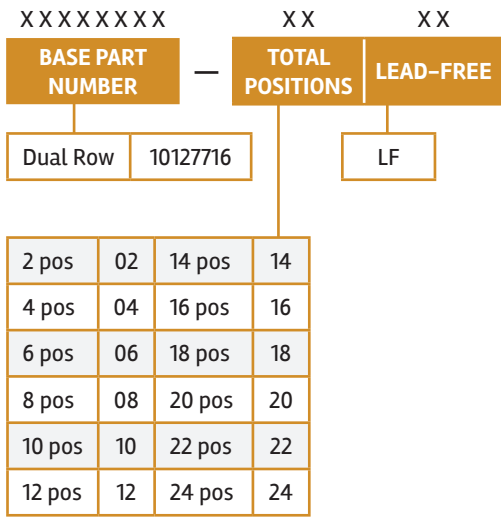


Dual Row, Vertical PCB Header, Through Hole

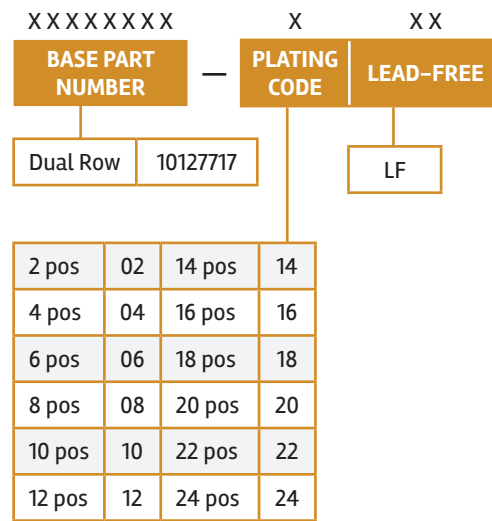


PART NUMBER SELECTOR

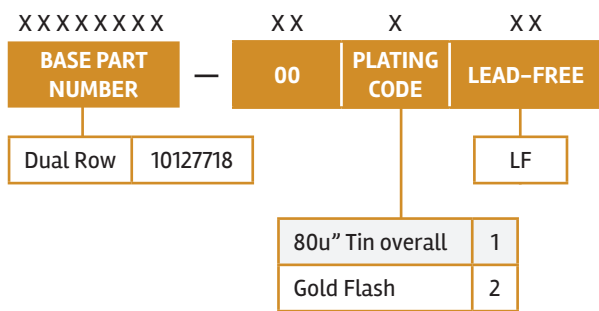
Receptacle Housing



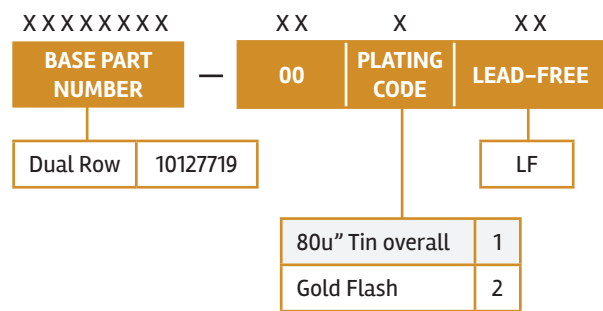
Header Housing



Receptacle Terminal



Header Terminal



CORE RANGE SELECTED PART NUMBERS

Base Part Number	Part Number	Pitch (mm)	Description	Row	Total Positions	Plating	Pre or Post-plated/ Color	AWG/ Material	Glow Wire
10127716	10127716-02LF	3.0	Receptacle Housing	Dual	2	-	-	-	Yes
	10127716-08LF	3.0	Receptacle Housing	Dual	8	-	-	-	Yes
	10127716-16LF	3.0	Receptacle Housing	Dual	16	-	-	-	Yes
	10127716-24LF	3.0	Receptacle Housing	Dual	24	-	-	-	Yes
10127717	10127717-02LF	3.0	Header Housing	Dual	2	-	-	-	Yes
10127718	10127718-001LF	3.0	Receptacle Crimp Terminal	-	-	1= Tin	Post-Plated	30 to 20	-
	10127718-002PLF	3.0	Receptacle Crimp Terminal	-	-	2= Gold Flash	Pre-Plated	30 to 20	-
10127719	10127719-001LF	3.0	Header Crimp Terminal	-	-	1= Tin	Post-Plated	30 to 20	-
10127720	10127720-021LF	3.0	Header, Right Angle, Through Hole	Dual	2	1= Tin	-	-	-
	10127720-081LF	3.0	Header, Right Angle, Through Hole	Dual	8	1= Tin	-	-	-
	10127720-242LF	3.0	Header, Right Angle, Through Hole	Dual	24	2= Gold Flash	-	-	-
10127721	10127721-021LF	3.0	Header, Vertical, Through Hole	Dual	2	1= Tin	-	-	-
	10127721-081LF	3.0	Header, Vertical, Through Hole	Dual	8	1= Tin	-	-	-
	10127721-082LF	3.0	Header, Vertical, Through Hole	Dual	8	2= Gold Flash	-	-	-
	10127721-242LF	3.0	Header, Vertical, Through Hole	Dual	24	2= Gold Flash	-	-	-
10127815	10127815-02LF	4.2	Receptacle Housing	Dual	2	-	-	-	Yes
	10127815-04LF	4.2	Receptacle Housing	Dual	2	-	-	-	Yes
	10127815-12LF	4.2	Receptacle Housing	Dual	2	-	-	-	Yes
10127816	10127816-02LF	4.2	Header Housing	Dual	2	-	-	-	Yes
10127817	10127817-122LF	4.2	Receptacle Crimp Terminal 1= Phosphorus Bronze	-	-	2= Tin	Post-Plated	2= 28 to 24	-
	10127817-221LF	4.2	Receptacle Crimp Terminal 2= Brass	-	-	2= Tin	Post-Plated	1= 22 to 16	-
10127818	10127818-121LF	4.2	Header Crimp Terminal 1= Phosphorus Bronze	-	-	2= Tin	Post-Plated	1= 22 to 16	-
10127819	10127819-12121LF	4.2	Header, Right Angle, Through Hole, w/o locating peg	Dual	12	1= Gold Flash	2= Black	1= Nylon 66	-
	10127819-12212PLF	4.2	Header, Right Angle, Through Hole, with both locating peg	Dual	12	2= Tin	1= Natural	2= LCP	-
10127820	10127820-0422LF	4.2	Header, Vertical, Through Hole	Dual	4	2= Tin	-	-	-
	10127820-1221LF	4.2	Header, Vertical, Through Hole	Dual	12	1= Gold Flash	-	-	-

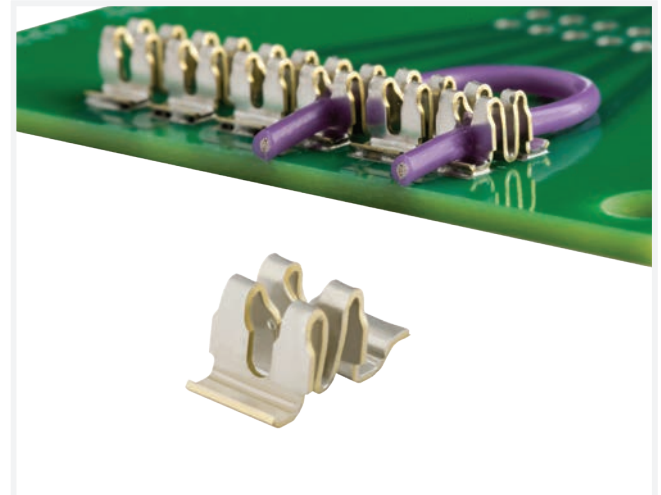
GRIPLET® MINIATURE IDC

Wire-to-Board Connector

RELIABLE CONNECTION AND EASE OF INSTALLATION

Griplet® is designed to be low profile and compact for easy installation where spaces are tight. Each connector has a height of 3.7mm and a footprint of 4.0mm x 6.1mm.

- Stackable pitch up to 12 positions
- One part number accommodates multiple wire gauges
- Redundant electrical connection points and strain relief ensure stable operation through extreme temperature, shock and vibration stresses



TARGET MARKETS



FEATURES

- Low profile / compact
- Four points of wire contact plus strain relief
- Accommodates multiple wire sizes
- Break-off carrier strip
- Post applied insulative housings
- Multiple Terminal Delivery Options:
 - Singulated in bags
 - On Reel/ Continuous strip
 - Stitched on pitch within disposable Pick & Place carrier

BENEFITS

- Connecting discrete wire components directly to the PCB when space is a constraint
- Bringing power and signals onto a PCB
- Daisy chaining PCB to create continuous string of boards
- Individual contacts can be located anywhere on the PCB
- Highly reliable connection
- Enable harsh and industrial market applications with direct connection between individual wires and PCB
- Reduced total applied cost compared to solder or crimp processes
- 90° bend allows easy break away and removal
- Custom-made housing for automatic Pick & Place
- Manual application or Vibratory Bowl application
- Automated application
- Customizable pitch

▶ GRIplet® MINIATURE IDC

TECHNICAL INFORMATION

MATERIAL

- Contact: Copper Alloy
- Plating: Pre-plated lead-free Tin over Nickel

MECHANICAL PERFORMANCE

- Repairability: 3

APPROVALS AND CERTIFICATIONS

- UL E66906

PACKAGING

- Loose piece
- Terminals on reel
- Pick & Place carrier

ENVIRONMENTAL

- Operating Temperature: -40°C to + 105°C

ELECTRICAL PERFORMANCE

- Operating Voltage Rating: 120V max., AC or DC
- Operating Current Rating: 1.5 to 8.5A max. (wire-dependent), 30°C max. temperature rise above ambient, no air-flow
- Wire Gauge: 32AWG to 20AWG

SPECIFICATIONS

- Product Specification: GS-12-1234

PART NUMBER SELECTOR



Description	Quantity	Code
On Reel	7500	001LF
Singulated	1	101LF
With pick & place cap, in Tape/Reel	1150	101RLF
Without pick & place cap, in Tape/Reel	1150	001TRLF

CORE RANGE SELECTED PART NUMBERS

Description	Part Numbers
Terminals	10127850-001LF
Insertion Tool	10131832

BERGSTIK® UNSHROUDED HEADER

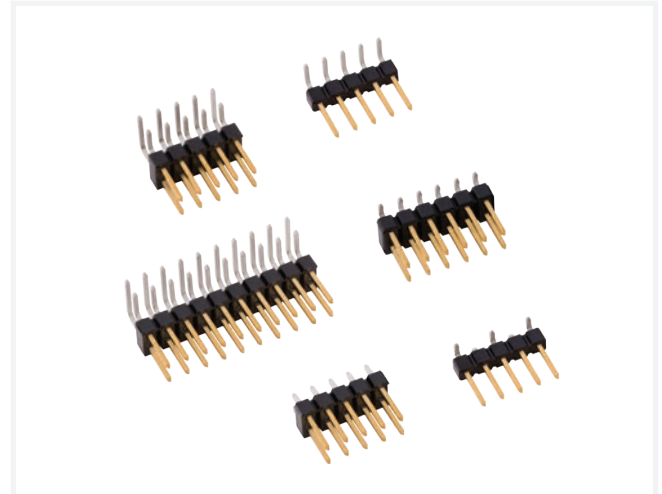
Vertical, Standard & Special Sizes

INNOVATIVE SOLUTION FOR DEMANDING APPLICATIONS

BergStik® product range provides Board-to-Board, Wire-to-Board and Cable-to-Board interconnect solutions for all electronic equipment and devices.

BergStik® 2.54mm unshrouded headers are available in surface mount (SMT), through hole (TH), press fit, stacking and pin-in-paste (PIP) versions. Designed in single and dual row, they are available in vertical or right angle options, from 2 to 72 positions.

- Continuously molded and reeled
- Benchtop machine cuts, polarizes and applies retentive leg
- Each connector can be cut at the required length



TARGET MARKETS



FEATURES

- High temperature thermoplastic
- Variable spacing height for stacking headers
- Allow dual entry, mating from top or bottom
- Blank 0.64mm square contacts presents 4 surfaces of equal quality
- Stand-offs design
- Duplex plating
- Tin-lead plating in press-fit area
- Retention legs option available
- Press-fit designed to fit 1.02mm diameter hole, solder-to-board
- Meets DIN 41651 specification, HE13 and BT D2632

BENEFITS

- Reflow compatible
- Caters to a wide range of applications
- Suitable for mezzanine application and gives more flexibility in meeting different stack height requirements
- Can be used for wire wrapping
- Allow cleaning to remove soldering contaminations
- Cost-efficient
- Ensures easy pin insertion onto PCB
- Ensures higher retention force onto PCB
- Same layout on TH and press-fit
- Qualified product

2.54mm

▶ BERGSTIK® UNSHROUDED HEADER, VERTICAL, STANDARD SIZE

TECHNICAL INFORMATION



MATERIAL

- Housing: High temperature Thermoplastic, Black
- Flammability Rating: UL94V-0
- Pin: Phosphor-bronze
- Plating:
 - 1= 0.76µm Gold or GXT® on contact area, Tin on solder side
 - 8= 0.38µm Gold or GXT® on contact area, Tin on solder side
 - 5= 0.25µm Gold or GXT® on contact area, Tin on solder side
 - 4= Tin

MECHANICAL PERFORMANCE

- Retention Force: 9N min.

APPROVALS AND CERTIFICATIONS

-  File no. E66906
-  File no. LR46923
- RoHS: this product is compatible according to the European Union Directive 2011/65/EU

PACKAGING

- Bags
- Optional: Tube or Tape/Reel with pick-up cap (only applicable for SMT pin style 01)

ENVIRONMENTAL

- Operating Temperature: -65°C to +125°C

ELECTRICAL PERFORMANCE

- Current Rating: 3A per contact
- Insulation Resistance: 5000MΩ min.
- Dielectric Withstanding Voltage: 1500V

SPECIFICATIONS

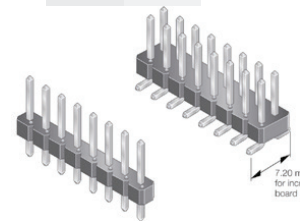
- Product Specification: GS-12-114
- Tape/Reel Packaging Data: TA-840

PROCESSING INFORMATION

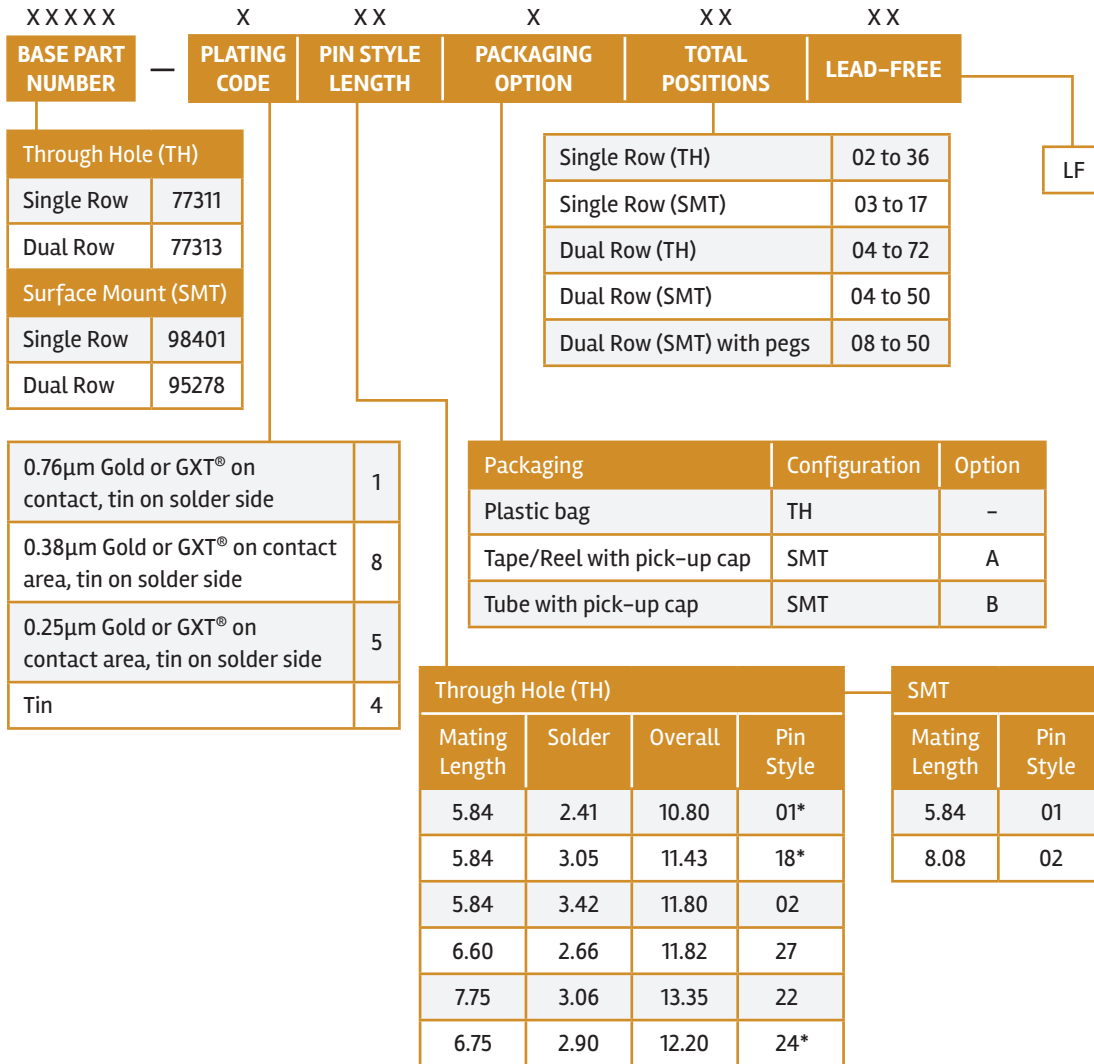
- Compatible with wave, vapor-phase, and (for SMT) IR reflow soldering processes
- Recommended IR profile TA 842 for SMT

MATING INFORMATION

Product	Page
Dubox® Crimp-to-Wire Contacts	39
Dubox® Crimp-to-Wire Housing	41
Dubox® Vertical Receptacle	34
Dubox® Vertical Receptacle, Low Profile	36
Quickie® IDC Receptacle	50
PV® Crimp-to-Wire Contacts	56
PV® Crimp-to-Wire Housing	58



PART NUMBER SELECTOR



* Most popular configurations

2.54mm

BERGSTIK® UNSHROUDED HEADER, VERTICAL, STANDARD SIZE

CORE RANGE SELECTED PART NUMBERS

Base Part Number	Part Number	Description	Plating	Pin Style/ Mating Dimension (mm)	Total Positions	Packaging
77311	77311-818-02LF	Single Row, TH	8= 0.38µm Gold or GXT® on contact, Tin on solder side	18= Mating Length: 5.84, Solder: 3.05, Overall: 11.43	2	Plastic Bag
	77311-818-03LF				3	
	77311-818-04LF				4	
	77311-818-05LF				5	
	77311-818-06LF				6	
	77311-818-07LF				7	
	77311-818-08LF				8	
	77311-818-09LF				9	
	77311-818-10LF				10	
	77311-818-11LF				11	
	77311-818-12LF				12	
	77311-818-36LF				36	
77313	77313-818-08LF	Dual Row, TH	8= 0.38µm Gold or GXT® on contact, Tin on solder side	18= Mating Length: 5.84, Solder: 3.05, Overall: 11.43	8	Plastic Bag
	77313-818-10LF				10	
	77313-818-12LF				12	
	77313-818-14LF				14	
	77313-818-16LF				16	
	77313-818-18LF				18	
	77313-818-20LF				20	
	77313-818-72LF				72	
95278	95278-801A04LF	Dual Row, SMT	8= 0.38µm Gold or GXT® on contact, Tin on solder side	1= Mating Length: 5.84, Solder: 2.41, Overall: 10.80	4	Tape/Reel with pick-up cap
	95278-801A06LF				6	
	95278-801A08LF				8	
	95278-801A10LF				10	
	95278-801A12LF				12	

PRIORITY PART SELECTED PART NUMBERS

Base Part Number	Part Number	Description	Plating	Pin Style/ Mating Dimension (mm)	Total Positions	Packaging
77311	77311-824-02LF	Single Row, TH	8= 0.38µm Gold or GXT® on contact, Tin on solder side	24= Mating Length: 6.75, Solder: 2.90, Overall: 12.20	2	Plastic Bag
	77311-824-03LF				3	
	77311-824-04LF				4	
	77311-824-05LF				5	
	77311-824-06LF				6	
	77311-824-08LF				8	
	77311-824-10LF				10	
	77311-824-36LF				36	
77313	77313-824-04LF	Dual Row, TH	8= 0.38µm Gold or GXT® on contact, Tin on solder side	24= Mating Length: 6.75, Solder: 2.90, Overall: 12.20	4	Plastic Bag
	77313-824-06LF				6	
	77313-824-08LF				8	
	77313-824-10LF				10	
	77313-824-12LF				12	
	77313-824-14LF				14	
	77313-824-16LF				16	
	77313-824-20LF				20	
	77313-824-72LF				72	

BERGSTIK® UNSHROUDED HEADER, VERTICAL, SPECIAL SIZE

TECHNICAL INFORMATION



MATERIAL

- Housing: High temperature Thermoplastic, Black
- Flammability Rating: UL94V-0
- Pin: Phosphor-bronze
- Plating:
 - 1= 0.76µm Gold or GXT® on contact area, Tin on solder side
 - 2= 0.38µm Gold or GXT® on contact area, Tin on solder side
 - 4= Tin

MECHANICAL PERFORMANCE

- Retention Force: 9N min.
- Retentive Leg Insertion Force: >44.48N max.
- Retentive Leg Board Retention: 2.22N

APPROVALS AND CERTIFICATIONS

-  File no. E66906
-  File no. LR46923
- RoHS: this product is compatible according to the European Union Directive 2011/65/EU

PACKAGING

- Bags
- Optional: Tube or Tape/Reel with pick-up cap (only applicable for SMT pin style 01)

ENVIRONMENTAL

- Operating Temperature: -65°C to +125°C

ELECTRICAL PERFORMANCE

- Current Rating: 3A per contact
- Insulation Resistance: 5000MΩ min.
- Dielectric Withstanding Voltage: 1500Vrms

SPECIFICATIONS

- Product Specification: GS-12-114

PROCESSING INFORMATION

- Compatible with wave, vapor-phase, and (for SMT) IR reflow soldering processes



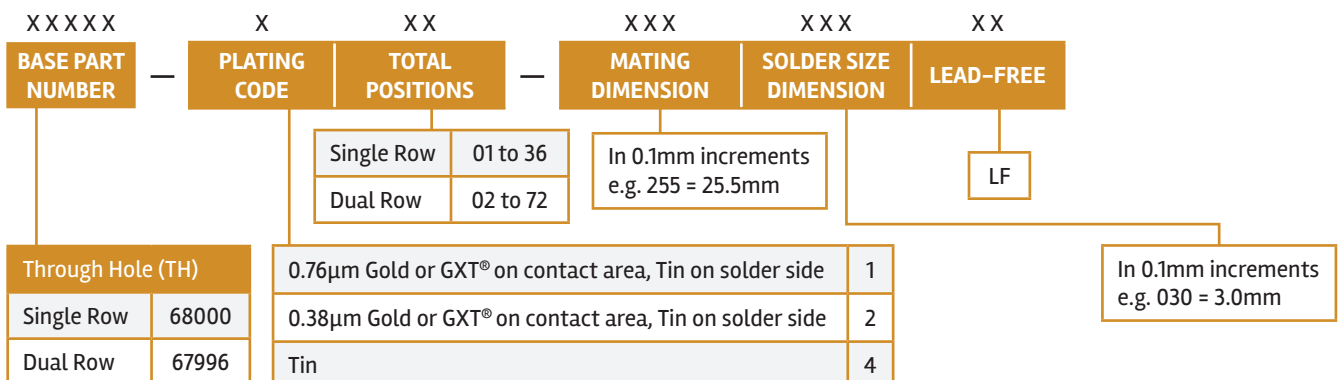
2.54mm

MATING INFORMATION

Product	Page
Dubox® Crimp-to-Wire Contacts	39
Dubox® Crimp-to-Wire Housing	41
Dubox® Vertical Receptacle	34
Dubox® Vertical Receptacle, Low Profile	36
Quickie® IDC Receptacle	50
PV® Crimp-to-Wire Contacts	56
PV® Crimp-to-Wire Housing	58

PART NUMBER SELECTOR

Customize your own part number using custom dimensions
(Please allow for initial setup on our system)



- Note:
1. The total combined dimension for mating and solder side may not exceed 27mm.
 2. Standard packaging in bulk
 3. Special packaging available upon request

▶ BERGSTIK® UNSHROUDED HEADER, VERTICAL, SPECIAL SIZE

CORE RANGE **SELECTED PART NUMBERS**

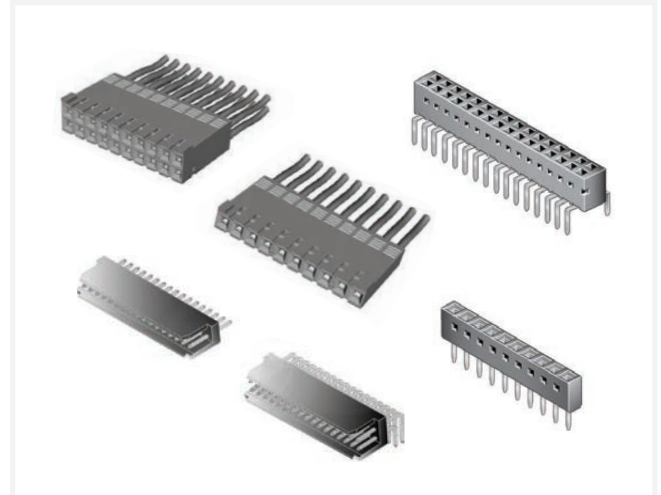
Base Part Number	Part Number	Description	Plating	Pin Style/ Mating Dimension (mm)	Total Positions	Packaging
67996	67996-200HLF	Dual Row, TH	2= 0.38µm Gold or GXT® on contact area, Tin on solder side	Mating Length: 5.84, Solder: 2.41, Overall: 10.8	2	Reel
	67996-204HLF				4	Bulk
	67996-206HLF				6	
	67996-208HLF				8	
	67996-210HLF				10	
	67996-212HLF				12	
	67996-216HLF				16	
	67996-220HLF				20	
68000	68000-200HLF	Single Row, TH	2= 0.38µm Gold or GXT® on contact area, Tin on solder side	Mating Length: 5.84, Solder: 2.41, Overall: 10.8	1	Reel
	68000-204HLF				4	Bulk
	68000-206HLF				6	
	68000-208HLF				8	
	68000-210HLF				10	
	68000-212HLF				12	
	68000-216HLF				16	
	68000-220HLF				20	

RELIABLE SOLUTION THAT AIDS ALIGNMENT

Dubox® is a comprehensive and extensive solution designed with solder tails self center on circuit pads to assure coplanarity. A locating peg feature helps to maintain alignment for soldering and facilitates robot placement.

Dubox® 2.54mm are available in surface mount (SMT) and through hole (TH) versions. Designed in single and dual row, they are available in vertical or right angle options, from 2 to 50 positions.

- Dual beam contacts for added reliability
- Slotted cutout in low profile housing simplifies electrical testing
- Side-by-side and end-to-end stackable



TARGET MARKETS



FEATURES

- Dual beam contact design
- Contact pre-stressed
- Mates with very short pins (5mm) stackable side-by-side and end-to-end
- Floating solder tails self center on the circuit pads
- 4 wall contact design
- Duplex plating
- Locating peg option available
- High temperature material
- Meets DIN 41651 specification, HE13 and BT D2632

BENEFITS

- High and reliable electrical performance
- Low insertion force required
- Suitable for mezzanine application and gives more flexibility in meeting different stack height requirements
- Ensures coplanarity
- Signal protection
- Cost-efficient
- Maintains alignment for soldering and facilitates robotic placement
- Compatible with Infra-Red and Vapor-Phase reflow
- Qualified product

DUBOX® SHROUDED HEADER

TECHNICAL INFORMATION



MATERIAL

- Housing: Glass-filled Thermoplastic Polyester
- Housing Color for Series 76382, 76383: Blue
- Housing Color for Series 76384, 76385: Black
- Flammability Rating: UL94V-0
- Contact: Copper Alloy
- Plating:
 - 3= 0.76µm Gold or GXT® on contact, Tin on solder side
 - 4= 2µm min. Matte Tin full plated

MECHANICAL PERFORMANCE

- Contact Retention to Housing: 20N min.

APPROVALS AND CERTIFICATIONS

-  File no. E66906
-  File no. LR46923
- RoHS: this product is compatible according to the European Union Directive 2011/65/EU

PACKAGING

- Plastic Bag: 2 to 6 position connectors
- Tube: 7 to 18 position connectors

ENVIRONMENTAL

- Operating Temperature: -40°C to +125°C

ELECTRICAL PERFORMANCE

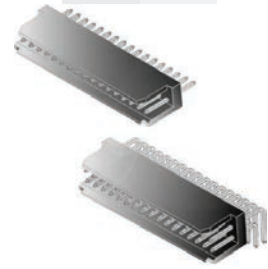
- Current Rating: 3A continuous
- Insulation Resistance: 1 x 10⁵MΩ min.
- Dielectric Withstanding Voltage: 1000Vrms

SPECIFICATIONS

- Product Specification: GS-14-920
- Application Specification: TA-531

PROCESSING INFORMATION

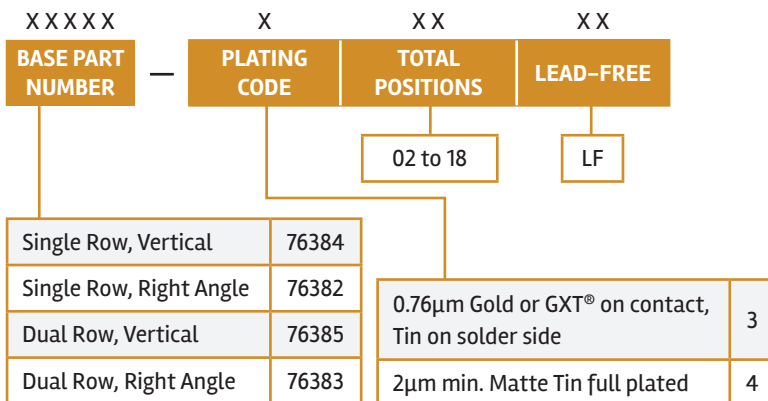
- Compatible with wave soldering processes



MATING INFORMATION

Product	Page
Dubox® Crimp-to-Wire Contacts	39
Dubox® Crimp-to-Wire Housing	41

PART NUMBER SELECTOR



CORE RANGE SELECTED PART NUMBERS

Base Part Number	Part Number	Description	Plating	Pin Style/ Mating Dimension (mm)	Total Positions	Packaging
76385	76385-302LF	Dual Row, Vertical	3= 0.76µm Gold or GXT® on contact, Tin on solder side	Mating Length: 5.00, Solder: 3.43	4	Plastic Bag
	76385-303LF				6	
	76385-304LF				8	
	76385-305LF				10	
	76385-306LF				12	
	76385-307LF				14	Tube
	76385-308LF				16	
	76385-309LF				18	
	76385-310LF				20	
	76385-311LF				22	
	76385-312LF				24	

2.54mm

PRIORITY PART SELECTED PART NUMBERS

Base Part Number	Part Number	Description	Plating	Pin Style/ Mating Dimension (mm)	Total Positions	Packaging
76384	76384-302LF	Single Row, Vertical	3= 0.76µm Gold or GXT on contact, Tin on solder side	Mating Length: 5.00, Solder: 3.43	2	Plastic Bag
	76384-303LF				3	
	76384-304LF				4	
	76384-305LF				5	
	76384-306LF				6	
	76384-307LF				7	Tube
	76384-308LF				8	
	76384-309LF				9	
	76384-310LF				10	
	76384-311LF				11	
	76384-312LF				12	

DUBOX® RECEPTACLE, VERTICAL, STANDARD

TECHNICAL INFORMATION



MATERIAL

- Housing: Glass-filled Thermoplastic Polyester, Blue
- Flammability Rating: UL94V-0
- Pin: Phosphor-bronze
- Plating: Gold or Tin in accordance with IEC 603-81
- Plating:
 - 3= 0.76µm Gold or GXT® on contact, Tin on solder side
 - 8= 0.38µm Gold or GXT® on contact, Tin on solder side

MECHANICAL PERFORMANCE

- Insertion Force per Gold contact: 1.50N (150gf) max.
- Withdrawal Force per Gold contact: 0.30N (30gf) min.
- Insertion Depth:
 - Top entry: 3.6mm min. to 6.98mm max. [provides .381mm wipe]
 - Bottom entry: 7mm min. [provides .381mm wipe] plus board thickness

APPROVALS AND CERTIFICATIONS

-  File no. E66906
-  File no. LR46923
- RoHS: this product is compatible according to the European Union Directive 2011/65/EU

PACKAGING

- Plastic Box: 2 to 4 position connectors
- Tube: 5 to 50 position connectors

ENVIRONMENTAL

- Operating Temperature: -65°C to +125°C

ELECTRICAL PERFORMANCE

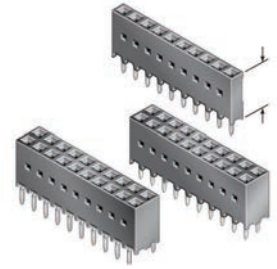
- Current Rating: 3A max. per individual contact, 2A DC max. per contact for fully energized connector
- Insulation Resistance: 1 x 10⁵MΩ min.
- Contact Resistance: 15MΩ max. initial, 20MΩ max. after environmental tests
- Dielectric Withstanding Voltage: 1000Vrms

SPECIFICATIONS

- Product Specification: HE 13/14 and IEC 603-8

PROCESSING INFORMATION

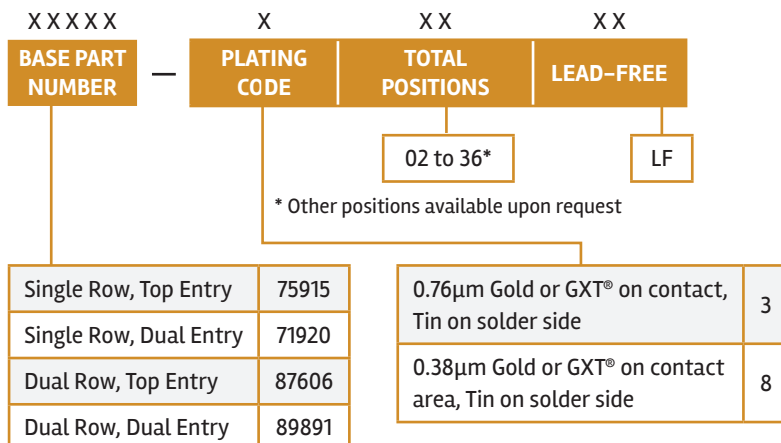
- Compatible with wave soldering processes



MATING INFORMATION

Product	Page
BergStik® Unshrouded Header, Vertical, Standard Size	26
BergStik® Unshrouded Header, Vertical, Special Size	29

PART NUMBER SELECTOR



CORE RANGE **SELECTED PART NUMBERS**

Base Part Number	Part Number	Plating	Total Positions	Packaging
87606	87606-804LF	8= 0.38µm Gold or GXT® on contact, Tin on solder side	8	Tube
	87606-805LF		10	
	87606-806LF		12	
	87606-807LF		14	
	87606-808LF		16	
	87606-809LF		18	
	87606-810LF		20	

- Plastic Box: 2 to 4 position connectors
- Tube: 5 to 50 position connectors

2.54mm

▶ DUBOX® RECEPTACLE, VERTICAL, LOW PROFILE

TECHNICAL INFORMATION



MATERIAL

- Housing (TH): Glass-filled Thermoplastic Polyester, Blue
- Housing (SMT): High temperature Body, Grey
- Flammability Rating: UL94V-0
- Pin: Phosphor-bronze
- Plating: Gold or Tin over 1.27µm Nickel
- Plating:
 - 3= 0.76µm Gold or GXT® on contact, Tin on solder side
 - 4= 2µm min. Matte Tin full plated
 - 8= 0.38µm Gold or GXT® on contact, Tin on solder side

MECHANICAL PERFORMANCE

- Insertion Force per Gold contact: 1.50N (150gf) max.
- Withdrawal Force per Gold contact: 0.30N (30gf) min.
- Insertion Depth:
 - Top entry: 3.6mm min. to 6.98mm max. [provides .381mm wipe]
 - Bottom entry: 7mm min. [provides .381mm wipe] plus board thickness

APPROVALS AND CERTIFICATIONS

-  File no. E66906
-  File no. LR46923
- RoHS: this product is compatible according to the European Union Directive 2011/65/EU

PACKAGING (TH)

Base Part Number	Total Positions	Packaging
76341	02 to 04	Plastic Box
	05 to 50	Tube
76342	02 to 04	Plastic Box
	05 to 50	Tube
71991	02 to 50	Tube



PACKAGING (SMT)

- Plastic Boxes or Tube
- Tape/Reel as available

ENVIRONMENTAL

- Operating Temperature: -65°C to +125°C

ELECTRICAL PERFORMANCE

- Current Rating: 3A DC max. per individual contact, 2A DC max. per contact for fully energized connector
- Insulation Resistance: 1 x 10⁵MΩ min.
- Contact Resistance: 15MΩ max. initial, 20MΩ max. after environmental tests
- Dielectric Withstanding Voltage: 1000Vrms

SPECIFICATIONS

- Product Specification: GS-12-055

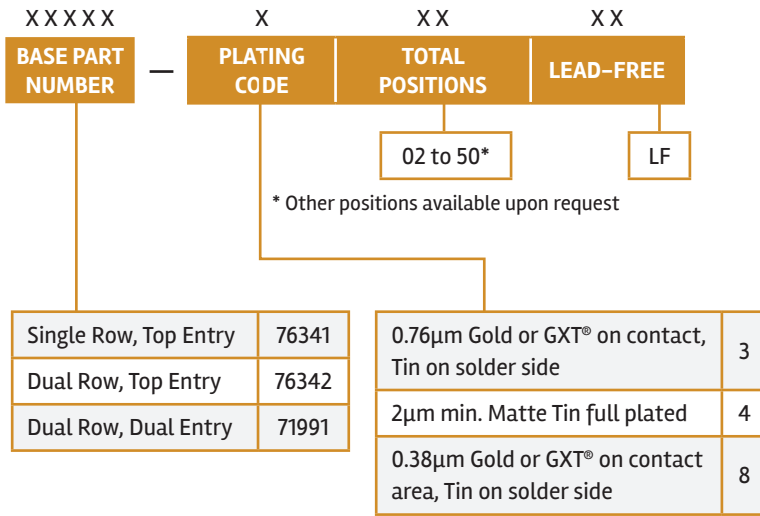
PROCESSING INFORMATION

- Compatible with wave soldering processes

MATING INFORMATION

Product	Page
BergStik® Unshrouded Header, Vertical, Standard Size	26
BergStik® Unshrouded Header, Vertical, Special Size	29

PART NUMBER SELECTOR– THROUGH HOLE (TH)



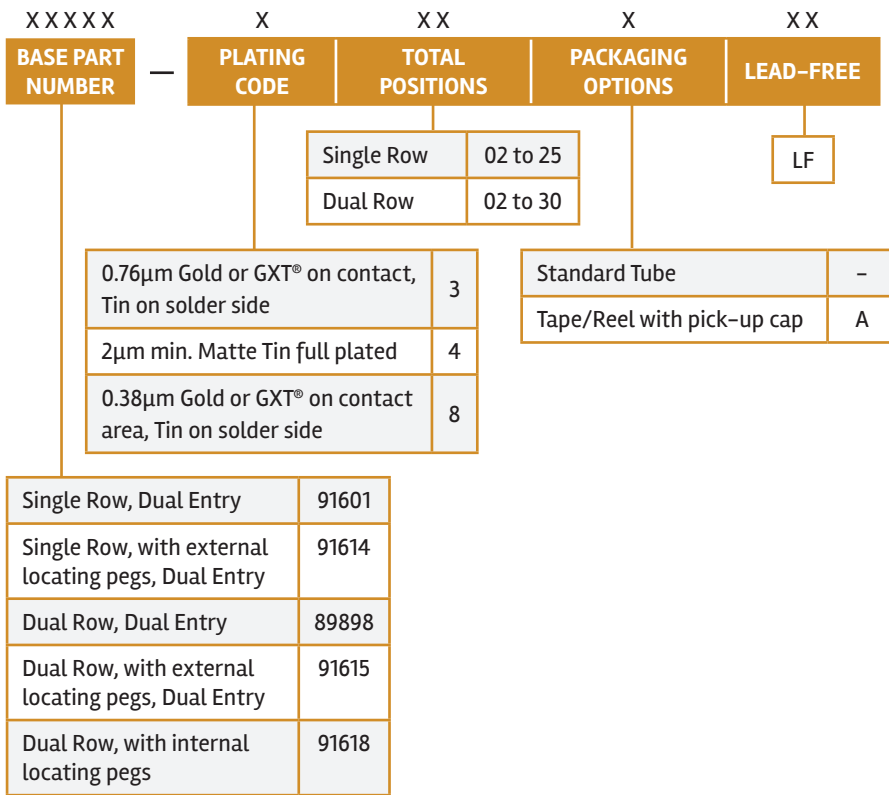
2.54mm

CORE RANGE **SELECTED PART NUMBERS**

Base Part Number	Part Number	Description	Plating	Total Positions	Packaging
71991	71991-802LF	Dual Row, Dual Entry	8= 0.38µm Gold or GXT® on contact, Tin on solder side	4	Tube
	71991-803LF			6	
	71991-804HLF			8	
	71991-805LF			10	
	71991-807LF			14	
	71991-808LF			16	
	71991-810LF			20	

DUBOX® RECEPTACLE, VERTICAL, LOW PROFILE

PART NUMBER SELECTOR- SURFACE MOUNT (SMT)



CORE RANGE SELECTED PART NUMBERS

Base Part Number	Part Number	Description	Plating	Total Positions	Packaging
89898	89898-302ALF	Dual Row, Dual Entry	3= 0.76µm Gold or GXT® on contact, Tin on solder side	4	Tape/Reel with pick-up caps available
	89898-303ALF			6	
	89898-304ALF			8	
	89898-305ALF			10	
	89898-306ALF			12	
	89898-307ALF			14	
	89898-308ALF			16	
	89898-309ALF			18	
	89898-310ALF			20	
91601	91601-803ALF	Single Row, Dual Entry	8= 0.38µm Gold or GXT® on contact, Tin on solder side	6	Tape/Reel with pick-up caps available
	91601-804ALF			8	
	91601-805ALF			10	
	91601-806ALF			12	
	91601-807ALF			14	
	91601-808ALF			16	
	91601-809ALF			18	
	91601-810ALF			20	
	91601-812ALF			24	

TECHNICAL INFORMATION



MATERIAL

- Contact: Phosphor-bronze
- Plating:
 - 3= 0.76µm Gold or GXT® on contact, Tin-Lead on solder side
 - 4= 5µm Tin-Lead on contact area, 3.81µm Tin-Lead on tail

MECHANICAL PERFORMANCE

- Insertion Force per Gold contact: 1.3N
- Withdrawal Force per Gold contact: 0.3N min.
- Contact Retention Force to Housing: 15N per contact
- Insertion Depth:
 - Discrete wire: 3.6mm min. to 5.6mm max. [provides .381mm wipe]
 - Crimp-to-wire housing: 5.1mm min. to 6.2mm max. [provides .381mm wipe in housing]

APPROVALS AND CERTIFICATIONS

-  File no. E66906
-  File no. LR46923
- RoHS: this product is compatible according to the European Union Directive 2011/65/EU

PACKAGING

- Reel
- Box for loose pieces

ENVIRONMENTAL

- Operating Temperature: -65°C to +125°C

ELECTRICAL PERFORMANCE

- Current Rating: 3A continuous
- Contact Resistance after environmental test: 15mΩ max. per contact
- Dielectric Withstanding Voltage: 1000Vrms

SPECIFICATIONS

- Product Specification: GS-12-055
- Application Specification: TA-317, TA-340

PROCESSING INFORMATION

- Compatible with wave soldering processes



2.54mm

MATING INFORMATION

Product	Page
BergStik® Unshrouded Header, Vertical, Standard Size	26
BergStik® Unshrouded Header, Vertical, Special Size	29

PART NUMBERS– CONTACTS ON REEL

Wire Gauge (AWG)	Insulation O.D.	Selective Gold Plated	Tin Plated	Packaging
30 to 22	0.90 – 1.50	76347-301LF	76347-401LF	15,000/reel
30 to 22	0.90 – 1.50	76347-302LF*	76347-402LF*	15,000/reel
30 to 22	0.90 – 1.50	76347-303LF	76347-403LF	500/reel
22 to 20	1.10 – 1.60	76347-311LF	76347-411LF	15,000/reel
22 to 20	1.10 – 1.60	76347-312LF*	76347-412LF*	15,000/reel

* Other positions available upon request

PART NUMBERS– CONTACTS ON LOOSE PIECES

Wire Gauge (AWG)	Insulation O.D.	Selective Gold Plated	Tin Plated	Packaging
30 to 22	0.90 – 1.50	76357-301LF	76357-401LF	1000/box

* Reeled for application machine with left-to-right feeding

▶ DUBOX® CRIMP-TO-WIRE CONTACTS

CORE RANGE SELECTED PART NUMBERS

Base Part Number	Part Number	Plating	Wire Gauge (AWG)	Insulation O.D.	Packaging
76347	76347-301LF	3= 0.76µm Gold on contact area, 3.81µm Tin-Lead on Tail	30 to 22	0.90 – 1.50	-
	76347-302LF				Reeled for application machine with left-to-right feeding
	76347-401LF	4= 5µm Tin-Lead on contact area, 3.81µm Tin-Lead on Tail	30 to 22	0.90 – 1.50	-
	76347-402LF				Reeled for application machine with left-to-right feeding

TECHNICAL INFORMATION



MATERIAL

- Housing: Glass-filled Thermoplastic Polyester
- Housing Color: Blue
- Flammability Rating: UL94V-0

MECHANICAL PERFORMANCE

- Insertion Depth:
 - 3.6mm min. to 6.0mm max.

APPROVALS AND CERTIFICATIONS

-  File no. E66906
-  File no. LR46923
- RoHS: this product is compatible according to the European Union Directive 2011/65/EU

PACKAGING

- Bulk

ENVIRONMENTAL

- Operating Temperature: -65°C to +125°C

ELECTRICAL PERFORMANCE

- Insulation Resistance: 1 x 10⁵MΩ min.
- Dielectric Withstanding Voltage: 1000Vrms

SPECIFICATIONS

- Application Specification: TA-317, TA-340

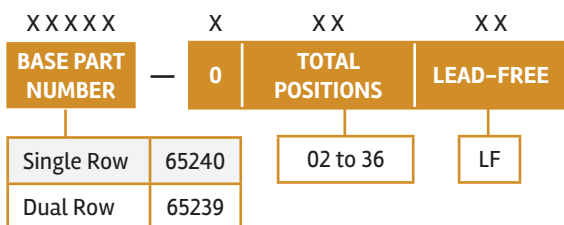


2.54mm

MATING INFORMATION

Product	Page
BergStik® Unshrouded Header, Vertical, Standard Size	26
BergStik® Unshrouded Header, Vertical, Special Size	29

PART NUMBER SELECTOR



▶ DUBOX® CRIMP-TO-WIRE HOUSING

CORE RANGE SELECTED PART NUMBERS

Base Part Number	Part Number	Description	Total Positions	Packaging
65239	65239-002LF	Dual Row	4	Bulk
	65239-003LF	Dual Row	6	Bulk
	65239-004LF	Dual Row	8	Bulk
	65239-005LF	Dual Row	10	Bulk
	65239-006LF	Dual Row	12	Bulk
	65239-007LF	Dual Row	14	Bulk
	65239-008LF	Dual Row	16	Bulk
	65239-009LF	Dual Row	18	Bulk
	65239-010LF	Dual Row	20	Bulk

PRIORITY PART SELECTED PART NUMBERS

Base Part Number	Part Number	Description	Total Positions	Packaging
65239	65239-011LF	Dual Row	22	Bulk
	65239-012LF		24	
	65239-013LF		26	
	65239-015LF		30	
	65239-016LF		32	
	65239-017LF		34	
	65239-018LF		36	
	65239-020LF		40	
	65239-025LF		50	
	65239-030LF		60	
65240	65240-002LF	Single Row	2	Bulk
	65240-003LF		3	
	65240-004LF		4	
	65240-005LF		5	
	65240-006LF		6	
	65240-007LF		7	
	65240-008LF		8	
	65240-009LF		9	
	65240-010LF		10	
	65240-011LF		11	
	65240-012LF		12	

TECHNICAL INFORMATION



MATERIAL

- Housing: High temperature Thermoplastic, Black
- Flammability Rating: UL94V-0
- Pin: Phosphor-bronze
- Plating:
 - 1= 0.38µm Gold or GXT® on contact, Tin on solder side
 - 2= 0.76µm Gold or GXT® on contact, Tin on solder
 - 3= 2µm min. Matte Tin full plated

MECHANICAL PERFORMANCE

- Insertion Force:
 - 450gf max, per Gold contact
 - 500gf max, per Tin-lead contact
- Withdrawal Force:
 - 30gf min, per Gold contact
 - 30gf min, per Tin-lead contact
- Insertion Depth:
 - 4.85mm min.
[provides 3.81mm wipe] – Low profile]

APPROVALS AND CERTIFICATIONS

-  File no. E66906
-  File no. LR46923
- RoHS: this product is compatible according to the European Union Directive 2011/65/EU



PACKAGING

- Plastic bags

ENVIRONMENTAL

- Operating Temperature: -65°C to +105°C

ELECTRICAL PERFORMANCE

- Current Rating: 2.5A max. per contact
- Insulation Resistance: 50,000MΩ min.
- Contact Resistance: 15MΩ max. initial, 20MΩ max. after environmental tests
- Dielectric Withstanding Voltage: 800Vrms

SPECIFICATIONS

- Product Specification: GS-12-071 (Gold), GS-12-070 (Tin)

MATING INFORMATION

Product	Page
BergStik® Unshrouded Header, Vertical, Standard Size	26
BergStik® Unshrouded Header, Vertical, Special Size	29

PART NUMBER SELECTOR

Low Profile/ Standard / Multi-Position

XXXXX		X	XX	XX	LF
BASE PART NUMBER	PLATING CODE	TOTAL POSITIONS	LEAD-FREE		
Low Profile	68786	Low Profile/ Standard	02		
Standard	63429	Multi-Position	04 to 20		
Multi-Position	69145			0.38µm Gold or GXT® on contact area, Tin on solder side	1
				0.76µm Gold or GXT® on contact, Tin on solder side	2
				Tin	3



SELECTED PART NUMBERS

Part Number	Type	Plating	Total Positions	Packaging
68786-102LF	Low Profile	1= 0.38µm Gold or GXT® on contact, Tin on solder	2	Plastic Bag

RELIABLE, HIGH PERFORMANCE COMPLETE SOLUTION

Quickie® is the comprehensive solution for flat cable-to-board connections. The product range includes shrouded low profile headers, shrouded eject latch headers, IDC header and receptacles.

- Plating performance guarantees 100 mating cycles
- Four walled shielding protects pins in unmated condition and prevents misalignment
- Pre-loaded adjustable bridge-type cover reduces assembly time, protects contacts and offers precise cover-to-base



HEADERS

FEATURES

- Four-walled shielding
- Dual polarization by use of polarizations keys
- Side window
- Unique lock and eject system
- Duplex plating
- Meets DIN 41651 specification, HE13 and BT D2632

BENEFITS

- Protects pins in unmated condition and prevents misalignment
- Prevents mismatching
- Enables unique locking through latching system
- Minimizes PCB space required and allowing dense packaging design
- Cost-efficient
- Qualified product

RECEPTACLES

FEATURES

- Dual beam contact design
- Contact pre-stressed
- Mates with very short pins (5mm) stackable side-by-side and end-to-end
- Floating solder tails self center on the circuit pads
- Meets DIN 41651 specification, HE13 and BT D2632

BENEFITS

- Reduces assembly time, protects contacts and offers precise cover-to-base
- Ensures good contact
- Suitable for a wide range of cables
- Cost-efficient
- Qualified product

▶ QUICKIE® SHROUDED HEADER, LOW PROFILE

TECHNICAL INFORMATION



MATERIAL

- Housing: Glass-filled, Thermoplastic Polyester, Blue
- Flammability Rating: UL94V-0
- Pin: Phosphor-bronze
- Plating:
 - 1= 0.76µm Gold or GXT® on contact, Tin on solder side
 - 2= Tin
 - 3= 0.38µm Gold or GXT® on contact area, Tin on solder

MECHANICAL PERFORMANCE

- Pin Retention to Housing: 20N min.

APPROVALS AND CERTIFICATIONS

-  File no. E66906
-  File no. LR46923
- RoHS: this product is compatible according to the European Union Directive 2011/65/EU

PACKAGING

- Tube

ENVIRONMENTAL

- Operating Temperature: -65°C to +105°C

ELECTRICAL PERFORMANCE

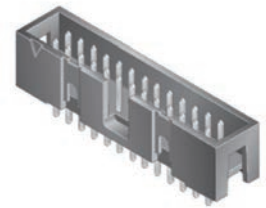
- Current Rating: 3A continuous
- Insulation Resistance: 1 x 10⁵MΩ min.
- Dielectric Withstanding Voltage: 500Vrms min.

SPECIFICATION

- Product Specification: GS-12-082

PROCESSING INFORMATION

- Compatible with wave soldering processes



MATING INFORMATION

Product	Page
Quickie® IDC Receptacle	50

PART NUMBER SELECTOR

XXXXX		X	XX	XX
BASE PART NUMBER	PLATING CODE	TOTAL POSITIONS	LEAD-FREE	
Through Hole (TH)			LF	
Vertical	75869			
Right Angle	75867			
0.76µm Gold or GXT® on contact, Tin on solder side		1	4 pos	30
Tin		2	6 pos	31
0.38µm Gold or GXT® on contact, Tin on solder side		3	8 pos	32
			10 pos	01
			14 pos	02
			16 pos	03
			20 pos	04
			26 pos	05
			34 pos	06
			40 pos	07
			50 pos	08
			60 pos	09
			64 pos	10

**CORE
RANGE** **SELECTED PART NUMBERS**

Base Part Number	Part Number	Description	Plating	Pin Style/ Mating Dimension (mm)	Total Positions	Packaging
75869	75869-301LF	Vertical, Low Profile, TH	3= 0.38µm Gold or GXT® on contact, Tin on solder side	Solder: 3.05	10	Tube
	75869-302LF				14	
	75869-303LF				16	
	75869-304LF				20	
	75869-305LF				26	
	75869-306LF				34	
	75869-330LF				4	
	75869-331LF				6	
	75869-332LF				8	

2.54mm

**PRIORITY
PART** **SELECTED PART NUMBERS**

Base Part Number	Part Number	Description	Plating	Pin Style/ Mating Dimension (mm)	Total Positions	Packaging
75867	75867-301LF	Right Angle, Low Profile, TH	3= 0.38µm Gold or GXT® on contact, Tin on solder side	Solder: 3.05	10	Tube
	75867-302LF				14	
	75867-303LF				16	
	75867-304LF				20	
	75867-305LF				26	
	75867-306LF				34	
	75867-330LF				4	
	75867-331LF				6	
	75867-332LF				8	

▶ QUICKIE® SHROUDED HEADER, EJECT LATCH

TECHNICAL INFORMATION



MATERIAL

- Housing: Glass-filled Thermoplastic Polyester, Grey
- Flammability Rating: UL94V-0
- Pin: Phosphor-bronze
- Plating:
 - 0.76µm Gold or GXT® on contact, Tin on solder side

MECHANICAL PERFORMANCE

- Pin Retention to Housing: 20N min.

APPROVALS AND CERTIFICATIONS

-  File no. E66906
-  File no. LR46923
- RoHS: this product is compatible according to the European Union Directive 2011/65/EU

PACKAGING

- Tube

ENVIRONMENTAL

- Operating Temperature: -65°C to +105°C

ELECTRICAL PERFORMANCE

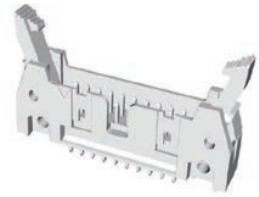
- Insulation Resistance: 1 x 10⁵MΩ min.
- Dielectric Withstanding Voltage: 500Vrms min.

SPECIFICATIONS

- Product Specification: GS-12-082

PROCESSING INFORMATION

- Compatible with wave soldering processes



MATING INFORMATION

Product	Page
Quickie® IDC Receptacle	50

PART NUMBER SELECTOR

X X X X X		X	XX	X	XX	
BASE PART NUMBER	LATCH STYLE	TOTAL POSITIONS	PLATING CODE	LEAD-FREE		
Through Hole (TH)				LF		
Vertical	71918					0.76µm Gold or GXT® on mating area, Tin on solder side
Right Angle	71922					
Standard (Mates with IDC Receptacle with Strain Relief)		1	6 pos	06	26 pos	26
Low Profile (Mates with IDC Receptacle without Strain Relief)		2	8 pos	08	30 pos	30
			10 pos	10	34 pos	34
			14 pos	14	44 pos	44
			16 pos	16	50 pos	50
			18 pos	18	60 pos	60
			20 pos	20	64 pos	64

CORE RANGE SELECTED PART NUMBERS

Base Part Number	Part Number	Description	Plating	Pin Style/ Mating Dimension (mm)	Total Positions	Packaging
71918	71918-106LF	Vertical, TH	0.76µm Gold or GXT® on contact, Tin on solder side	1= Standard	6	Tube
	71918-108LF				8	
	71918-110LF				10	
	71918-114LF				14	
	71918-116LF				16	
	71918-118LF				18	
	71918-120LF				20	
	71918-126LF				26	
	71918-130LF				30	
	71918-134LF				34	

2.54mm

PRIORITY PART SELECTED PART NUMBERS

Base Part Number	Part Number	Description	Plating	Pin Style/ Mating Dimension (mm)	Total Positions	Packaging
71918	71918-210LF	Vertical, TH	0.76µm Gold or GXT® on contact, Tin on solder side	2= Low Profile	10	Tube
	71918-214LF				14	
	71918-216LF				16	
	71918-220LF				20	
	71918-226LF				26	
	71918-234LF				34	
71922	71922-106LF	Right Angle, TH	0.76µm Gold or GXT® on contact, Tin on solder side	1= Standard	6	Tube
	71922-110LF				10	
	71922-114LF				14	
	71922-116LF				16	
	71922-120LF				20	
	71922-126LF				26	
	71922-134LF				34	
	2= Low Profile			71922-210LF	10	
				71922-214LF	14	
				71922-216LF	16	
				71922-220LF	20	
				71922-226LF	26	
				71922-230LF	30	

▶ QUICKIE® IDC RECEPTACLE

TECHNICAL INFORMATION



MATERIAL

- Housing: Thermoplastic, Grey
- Flammability Rating: UL94V-0
- Contact: Phosphor-bronze
- Plating: 0.76µm Gold or GXT® on contact, Tin on solder side

MECHANICAL PERFORMANCE

- Durability: 100 mating cycles
- Wire Gauge: 30 to 26 AWG

APPROVALS AND CERTIFICATIONS

-  File no. E66906
-  File no. LR46923
- RoHS: this product is compatible according to the European Union Directive 2011/65/EU

PACKAGING

- Tube

ENVIRONMENTAL

- Operating Temperature: -65°C to +105°C

ELECTRICAL PERFORMANCE

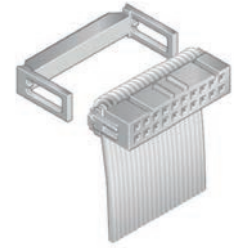
- Current Rating: 1A continuous
- Insulation Resistance: 1 x 10⁵MΩmin.
- Contact Resistance: 15mΩ max.
- Dielectric Withstanding Voltage: 1000Vrms min. (sea level)

SPECIFICATION

- Product Specification: GS-12-095

PROCESSING INFORMATION

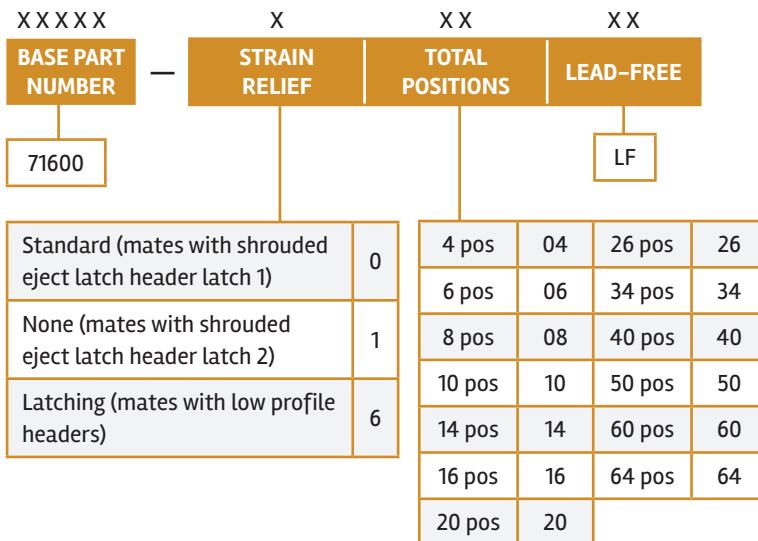
- Compatible with wave soldering processes



MATING INFORMATION

Product	Page
BergStik® Unshrouded Header, Vertical, Standard Size	26
BergStik® Unshrouded Header, Vertical, Special Size	29
Quickie® IDC Header	52

PART NUMBER SELECTOR



CORE RANGE SELECTED PART NUMBERS

Base Part Number	Part Number	Description	Plating	Pin Style/ Mating Dimension (mm)	Total Positions	Packaging
71600	71600-006LF	Dual Row	0.76µm Gold or GXT® on contact, Tin on solder side	0= Standard	6	Tube
	71600-008LF				8	
	71600-010LF				10	
	71600-014LF				14	
	71600-016LF				16	
	71600-018LF				18	
	71600-020LF				20	
	71600-024LF				24	
	71600-026LF				26	
	71600-030LF				30	
	71600-034LF			34		
	71600-108LF			8	1= None	
	71600-110LF			10		
	71600-114LF			14		
	71600-116LF			16		
	71600-118LF			18		
	71600-120LF			20		
	71600-124LF			24		
	71600-126LF			26		
	71600-130LF			30		
71600-134LF	34					

2.54mm

▶ QUICKIE® IDC HEADER

TECHNICAL INFORMATION



MATERIAL

- Housing: Thermoplastic, Blue
- Flammability Rating: UL94V-0
- Pin: Phosphor-bronze
- Plating: 0.76µm Gold or GXT® on contact, Tin on solder side

MECHANICAL PERFORMANCE

- Wire Gauge: 30 to 26 AWG

APPROVALS AND CERTIFICATIONS

-  File no. E66906
-  File no. LR46923
- RoHS: this product is compatible according to the European Union Directive 2011/65/EU

PACKAGING

- Tube

ENVIRONMENTAL

- Operating Temperature: -65°C to +105°C

ELECTRICAL PERFORMANCE

- Current Rating: 1A continuous
- Insulation Resistance: 1 x 10⁵MΩmin.
- Contact Resistance: 15mΩ max.
- Dielectric Withstanding Voltage: 1000Vrms min. (sea level)

SPECIFICATION

- Product Specification: GS-12-095

PROCESSING INFORMATION

- Compatible with wave, vapor-phase and soldering processes - Low temperature



PART NUMBER SELECTOR

XXXXX	X	XX	XX		
BASE PART NUMBER	0	TOTAL POSITIONS	LEAD-FREE		
69830	6 pos	06	26 pos	26	LF
	8 pos	08	30 pos	30	
	10 pos	10	34 pos	34	
	14 pos	14	40 pos	40	
	16 pos	16	50 pos	50	
	18 pos	18	60 pos	60	
	20 pos	20	64 pos	64	
	24 pos	24			

CORE RANGE SELECTED PART NUMBERS

Base Part Number	Part Number	Description	Plating	Total Positions	Packaging
69830	69830-006LF	Dual Row	0.76µm Gold or GXT® on contact, Tin on solder side	6	Tube
	69830-008LF			8	
	69830-010LF			10	
	69830-012LF			12	
	69830-016LF			16	
	69830-020LF			20	

VERSATILE DESIGN FOR SUPERIOR PERFORMANCE

PV® is a comprehensive Crimp-To-Wire system that connects discrete wire to printed circuit boards. PV®'s versatile and modular system enables it to meet all Board-to-Board, Wire-to-Board and Wire-to-Wire interconnection needs.

Designed for 2.54mm up to 7.62mm grid stacking, PV® is especially suitable to satisfy high density and high performance needs. The patented female contact offers outstanding electrical and mechanical properties to satisfy all needs.

- High temperature shrouded header enables passive latching system
- Unique dual-metal receptacle contact maintains contact pressure through 1000 mating cycles
- Choice of 3 different spring pressures for customization of insertion and withdrawal forces

FEATURES

- Shrouded header side walls engage with the sides of the Mini-Latch housing
- 2 wall header design
- Keyed Mini-Latch housing and header keyways
- Brass contact body
- Beryllium copper spring
- Unique dual-metal receptacle contact
- Choice of 3 different spring pressures



BENEFITS

- Provides additional retention
- Cost-efficient
- Provides mechanical benefits
- Offers polarization to prevent mismatching
- Ensures reliable, gas-tight crimp termination
- Ensures high normal force at the mating interface
- Maintains contact pressure through 1000 mating cycles
- Allows customization of insertion and withdrawal forces according to application needs

PV® SHROUDED HEADER

TECHNICAL INFORMATION



MATERIAL

- Housing: Thermoplastic, Black
- Flammability Rating: UL94V-0
- Contact: Phosphor-bronze
- Plating:
 - 1= 0.76µm Gold or GXT® on contact, Tin on solder side
 - 2= 0.38µm Gold or GXT® on contact area, Tin on solder side
 - 4= Tin

MECHANICAL PERFORMANCE

- Contact Retention to Housing: 17.76N min.

APPROVALS AND CERTIFICATIONS

-  File no. E66906
-  File no. LR46923
- RoHS: this product is compatible according to the European Union Directive 2011/65/EU

PACKAGING

- Plastic Bags

ENVIRONMENTAL

- Operating Temperature: -40°C to +125°C

ELECTRICAL PERFORMANCE

- Current Rating: 3A continuous
- Insulation Resistance: 1 x 10⁵MΩ min.
- Dielectric Withstanding Voltage: 1000Vrms

SPECIFICATION

- Product Specification: GS-12-067, GS-12-75
- Application Specification: TA-531

PROCESSING INFORMATION

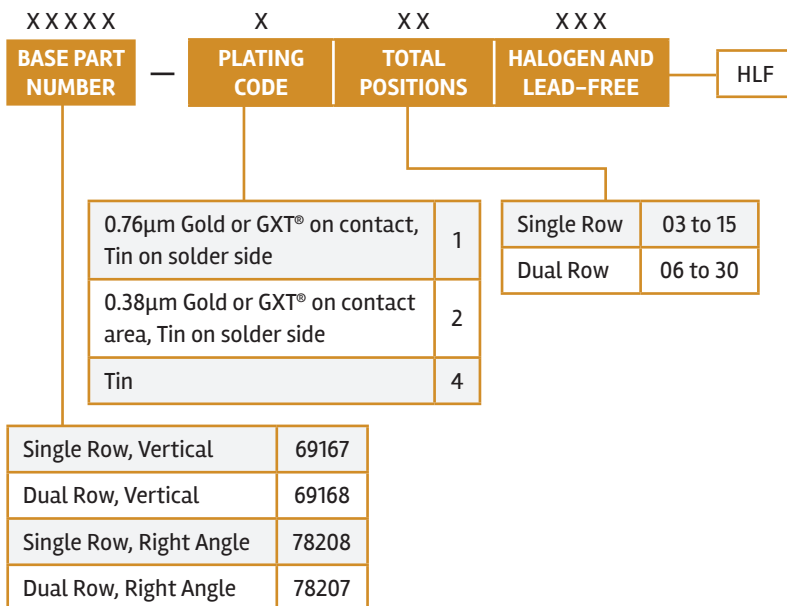
- Compatible with wave soldering processes



MATING INFORMATION

Product	Page
PV® Crimp-to-Wire Contacts	56
PV® Crimp-to-Wire Housing	58

PART NUMBER SELECTOR



PRIORITY PART **SELECTED PART NUMBERS**

Base Part Number	Part Number	Description	Plating	Pin Style/ Mating Dimension (mm)	Total Positions	Packaging
69167	69167-203HLF	Single Row, Vertical	2= 0.38µm Gold or GXT® on contact, Tin on solder side	Mating Length: 5.84, Solder: 3.50	3	Plastic Bags
	69167-204HLF				4	
	69167-205HLF				5	
	69167-206HLF				6	
	69167-208HLF				8	
69168	69168-206HLF	Dual Row, Vertical	2= 0.38µm Gold or GXT® on contact, Tin on solder side	Mating Length: 5.84, Solder: 3.50	6	Plastic Bags
	69168-208HLF				8	
	69168-210HLF				10	
	69168-212HLF				12	
	69168-216HLF				16	

2.54mm

PV® CRIMP-TO-WIRE CONTACTS

TECHNICAL INFORMATION

MATERIAL

- Contact: Brass body with Beryllium–copper spring
- Pin: Brass
- Plating: Gold or Tin over 1.27µm Nickel



MECHANICAL PERFORMANCE

- Insertion Force per Gold contact:
 - 2.35N (240gf) – Standard spring
 - 4.41N (450gf) – High spring
 - 10.79N (1100gf) – Ultra high spring
- Insertion Depth:
 - Discrete wire: 3.5mm min. to 5.3mm max. [provides .381mm wiper]
 - Crimp-to-wire housing: 4.2mm min. to 5.3mm max. [provides .381mm wiper in housing]

PACKAGING

- Reels
- Boxes – Loose piece

APPROVALS AND CERTIFICATIONS

-  File no. E66906
-  File no. LR46923
- RoHS: this product is compatible according to the European Union Directive 2011/65/EU



ENVIRONMENTAL

- Operating Temperature: -65°C to +125°C

ELECTRICAL PERFORMANCE

- Current Rating: 3A continuous depending on wire size
- Insulation Resistance: 5000MΩ min.
- Dielectric Withstanding Voltage: 1000Vrms

SPECIFICATION

- Product Specification: GS-12-067
- Application Specification: TA-75, TA-146 – Contact, TA-295, TA-228 and TA-302

MATING INFORMATION

Product	Page
BergStik® Unshrouded Header, Vertical, Standard Size	26
BergStik® Unshrouded Header, Vertical, Special Size	29

PART NUMBER SELECTOR



How to select the right contact
Step 1: Select Application
Step 2: Select Spring Force
Step 3: Select Wire Size

Step 1 Application	Step 2 Spring Force	Step 3		
		Wire Size (AWG)	Application Spring Force	Part Number
40 – 72 Contacts per housing	Standard	18, 20 or two 22 or two 24	Standard	48276-002LF
10 – 50 Contacts per housing	High		High	48047-002LF
2 – 20 Contacts per housing	Ultra High		Ultra High	47566-002LF
Discrete contact	Ultra High	22, 24, 26 or two 26 or two 28	Standard	47457-002LF
			High	47439-002LF
			Ultra High	47565-002LF
		28, 30, 32 or two 30 or two 32	Standard	48048-002LF
			High	47437-002LF
			Ultra High	47564-002LF



SELECTED PART NUMBERS

Base Part Number	Part Number	Plating	Wire Gauge (AWG)	Application Spring Force	Packaging
47437	47437-002LF	Gold or Tin over 1.27µm Nickel	32 to 28	High	Loose Pieces
47439	47439-002LF	Gold or Tin over 1.27µm Nickel	26 to 22	High	Loose Pieces
47457	47457-002LF	Gold or Tin over 1.27µm Nickel	26 to 22	Standard	Loose Pieces
47564	47564-002LF	Gold or Tin over 1.27µm Nickel	32 to 28	Ultra High	Loose Pieces
47565	47565-002LF	Gold or Tin over 1.27µm Nickel	26 to 22	Ultra High	Loose Pieces
47566	47566-002LF	Gold or Tin over 1.27µm Nickel	20 to 18	Ultra High	Loose Pieces

2.54mm

PV® CRIMP-TO-WIRE HOUSING

TECHNICAL INFORMATION



MATERIAL

- Housing: Thermoplastic, Black
- Flammability Rating: UL94V-0

MECHANICAL PERFORMANCE

- Contact Retention to Housing: 17.76N min.
- Insertion depth:
 - 4.2mm min. to 5.3mm max.
[provides .381mm wipe in housing]

APPROVALS AND CERTIFICATIONS

-  File no. E66906
-  File no. LR46923
- RoHS: this product is compatible according to the European Union Directive 2011/65/EU

PACKAGING

- Plastic Bags

ENVIRONMENTAL

- Operating Temperature: -40°C to +105°C

ELECTRICAL PERFORMANCE

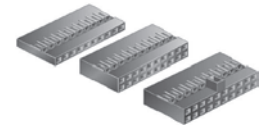
- Insulation Resistance: 1 x 10⁵MΩ min.
- Dielectric Withstanding Voltage: 1000Vrms

SPECIFICATION

- Product Specification: GS-12-067
- Application Specification: TA-531

PROCESSING INFORMATION

- Compatible with wave soldering processes



MATING INFORMATION

Product	Page
BergStik® Unshrouded Header, Vertical, Standard Size	26
BergStik® Unshrouded Header, Vertical, Special Size	29

PART NUMBER SELECTOR

XXXXX		XXX		XXX		ELF							
BASE PART NUMBER		TOTAL POSITIONS		LEAD-FREE									
Single Row	65039	Single Row		Dual Row		Single Row		Dual Row					
Single Row, Polarized	78211	Total Positions	65039	78211	Total Positions	65043	65846	Total Positions	65039	78211	Total Positions	65043	65846
Dual Row	65043	-	-	-	4	035	-	19	018	-	40	017	024
Dual Row, Polarized	65846	2	035	-	6	034	-	20	017	-	42	016	025
		3	034	003	8	033	-	21	016	-	44	015	004
		4	033	004	10	032	-	22	015	-	46	014	026
		5	032	005	12	031	017	23	014	-	48	013	027
		6	031	006	14	030	-	24	013	-	50	012	-
		7	030	007	16	029	-	25	012	-	52	011	028
		8	029	008	18	028	-	26	011	-	54	010	-
		9	028	009	20	027	-	27	010	-	56	009	029
		10	027	010	22	026	018	28	009	-	58	008	030
		11	026	011	24	025	-	29	008	-	60	007	013
		12	025	012	26	024	019	30	007	-	62	006	031
		13	024	013	28	023	020	31	006	-	64	005	009
		14	023	014	30	022	-	32	005	-	66	004	032
		15	022	015	32	021	021	33	004	-	68	003	033
		16	021	-	34	020	022	34	003	-	70	002	034
		17	020	-	36	019	023	35	002	-	72	001	035
		18	019	-	38	018	-	36	001	-	74	-	-

PRIORITY PART **SELECTED PART NUMBERS**

Base Part Number	Part Number	Type	Total Positions	Packaging
65039	65039-001ELF	Single Row	36	Plastic Bags
	65039-003ELF		34	
	65039-005ELF		32	
	65039-010ELF		27	
	65039-012ELF		25	
	65039-016ELF		21	
	65039-017ELF		20	
	65039-020ELF		17	
	65039-023ELF		14	
	65039-026ELF		11	
	65039-027ELF		10	
	65039-029ELF		8	
	65039-030ELF		7	
	65039-031ELF		6	
	65039-032ELF		5	
	65039-033ELF		4	
	65039-034ELF		3	
65039-035ELF	2			
65043	65043-001ELF	Dual Row	72	Plastic Bags
	65043-005ELF		64	
	65043-012ELF		50	
	65043-017ELF		40	
	65043-020ELF		34	
	65043-022ELF		30	
	65043-023ELF		28	
	65043-024ELF		26	
	65043-026ELF		22	
	65043-027ELF		20	
	65043-028ELF		18	
	65043-029ELF		16	
	65043-030ELF		14	
	65043-031ELF		12	
	65043-032ELF		10	
	65043-033ELF		8	
	65043-034ELF		6	
65043-035ELF	4			

2.54mm

HIGH VIBRATION ENDURANCE CONNECTOR

Minitek® is the most complete system on the market with a wide range of headers and receptacles. Minitek®'s fully intermateable modular system meets all Board-to-Board, Wire-to-Board interconnection needs.

Minitek® family's latest extension includes receptacles in vertical and right angle configuration for coplanar and single row applications. SMT and through hole options are also available, with a selection of 2 to 25 positions for single row and 4 to 50 positions for dual row.

- Up to 25 pins per row available
- Single and double row types
- Tin and selective gold plating options
- High temperature housing
- Coplanarity 0.1

FEATURES

- Modular system
- 2.00mm pitch
- Lowest profile eject latch header
- Less need for solder paste
- Standoffs design
- 0.50mm square drawn wire pin
- High temperature material



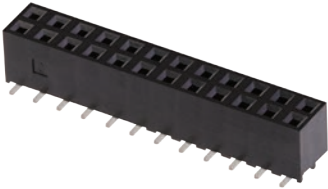
BENEFITS

- Fully intermateable connector system
- Space-saving, 38% less board space compared to 2.54mm connectors
- Meets specific design requirements where there is space constraint
- Facilitates automatic placement
- Enables easy cleaning of the PCB
- Provides four smooth mating surfaces
- Withstands reflow soldering process

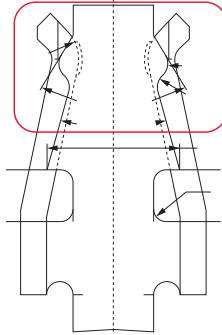
▶ MINITEK® CONTACT DESIGN

MINITEK® 2.00MM DUAL ROW RECEPTACLE (P/N: 55510)

Terminal beam design



Terminal dual beam design- U shape terminal

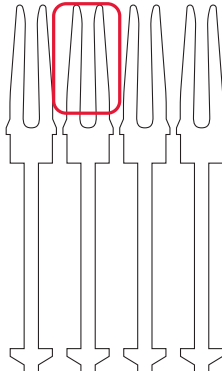


MINITEK® 2.00MM 4 ROW RECEPTACLE (P/N: 10129187)

Terminal beam design



Terminal dual beam design- harpoon shape





TECHNICAL INFORMATION

MATERIAL

- Housing: High temperature Thermoplastic, Black
- Flammability Rating: UL94V-0
- Pin: Phosphor-bronze
- Plating:
 - G=0.76µm Gold or GXT® on contact, Tin on solder
 - F=0.38µm Gold or GXT® on contact, Tin on solder

APPROVALS AND CERTIFICATIONS

-  File no. E66906
-  File no. LR46923
- RoHS: this product is compatible according to the European Union Directive 2011/65/EU

PACKAGING

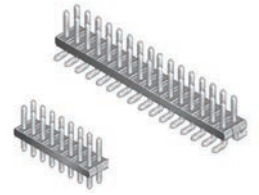
- Standard: TH in Tube (04 to 06 pos. packed in box)
- SMT in Tape/Reel
- Optional: SMT in Tube

ENVIRONMENTAL

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

ELECTRICAL PERFORMANCE

- Current Rating: 3A continuous
- Insulation Resistance: 1 x 10⁵MΩ min.
- Contact Resistance: 25mΩ max.
- Dielectric Withstanding Voltage: 650V
- Voltage Rating: 200V



SPECIFICATION

- Product Specification: DPS-12-011 and GS-12-163
- Packaging Specification: TA-884

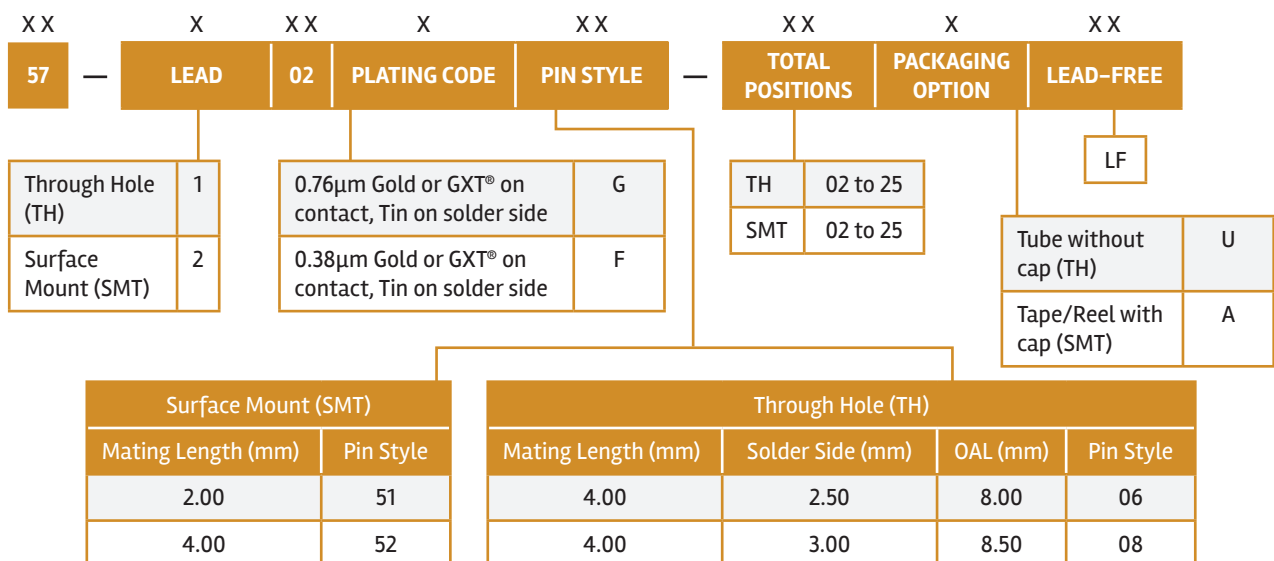
PROCESSING INFORMATION

- Compatible with wave, vapor-phase, and IR reflow soldering processes

MATING INFORMATION

Product	Page
Minitek® Vertical Receptacle	67
Minitek® IDC Receptacle	74
Minitek® Shunts	76

PART NUMBER SELECTOR



2.00mm

▶ MINITEK® UNSHROUDED HEADER, VERTICAL

CORE RANGE SELECTED PART NUMBERS

Base Part Number	Part Number	Description	Plating	Pin Style/ Mating Dimension (mm)	Total Positions	Packaging
57102	57102-F08-02LF	Dual Row, TH	F= 0.38µm Gold or GXT® on contact, Tin on solder	08= Mating Length: 4.00, Solder: 3.00, Overall: 8.50	4	Bulk
	57102-F08-03LF				6	
	57102-F08-04ULF				8	Tube w/o pick up cap
	57102-F08-05ULF				10	
	57102-F08-06ULF				12	
	57102-F08-07ULF				14	
	57102-F08-08ULF				16	
	57102-F08-09ULF				18	
	57102-F08-10ULF				20	
	57102-F08-11ULF				22	
	57102-F08-12ULF				24	
	57102-F08-25ULF				50	

PRIORITY PART SELECTED PART NUMBERS



Base Part Number	Part Number	Description	Plating	Pin Style/ Mating Dimension (mm)	Total Positions	Packaging
57202	57202-F52-02ALF	Dual Row, SMT	F= 0.38µm Gold or GXT® on contact, Tin on solder	52= Mating Length: 4.00	4	Tube with pick up cap
	57202-F52-03ALF				6	
	57202-F52-04ALF				8	
	57202-F52-05ALF				10	
	57202-F52-06ALF				12	
	57202-F52-07ALF				14	
	57202-F52-09ALF				18	
	57202-F52-10ALF				20	

TECHNICAL INFORMATION

MATERIAL

- Housing: High temperature Thermoplastic, Cream-colored
- Flammability Rating: UL94V-0
- Pin: Phosphor-bronze
- Plating:
 - S = 0.38µm Gold/GXT® on contact area, 2µm min. Matte Tin on tail
 - G = 0.76µm Gold/GXT® on contact area, 2µm min. Matte Tin on tail
 - F = Gold Flash on contact area, 2µm min. Matte Tin on tail
 - T = 2.0-6.0µm full Matte Tin on tail

APPROVALS AND CERTIFICATIONS

-  File no. E66906
-  File no. LR46923
- RoHS: this product is compatible according to the European Union Directive 2011/65/EU

PACKAGING

- Standard: TH in Tube
- SMT in Tape/Reel
- Optional: Tube (SMT)

ENVIRONMENTAL

- Operating Temperature: -40°C to +125°C

ELECTRICAL PERFORMANCE

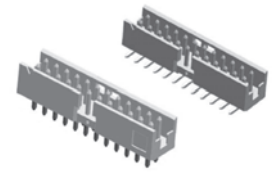
- Current Rating: 2A continuous
- Insulation Resistance: 1 x 10⁵MΩ min.
- Contact Resistance: 25mΩ max.
- Dielectric Withstanding Voltage: 650V
- Voltage Rating: 200V

SPECIFICATION

- Product Specification: DPS-12-011 and GS-12-163
- Packaging Specification: TA-884

PROCESSING INFORMATION

- Compatible with wave, vapor-phase, and IR reflow soldering processes

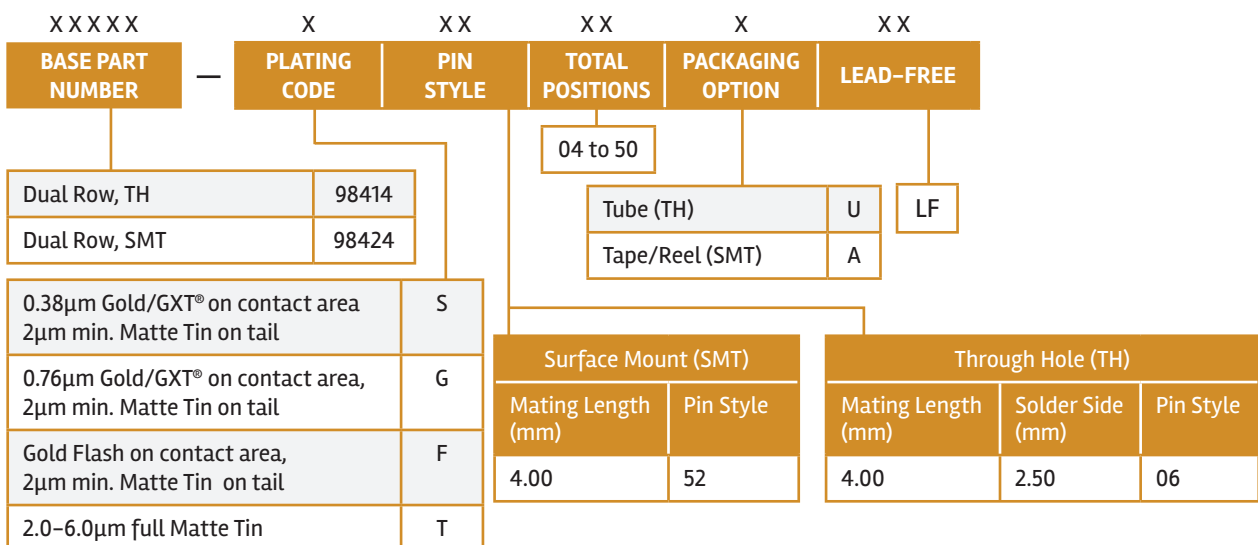


2.00mm

MATING INFORMATION

Product	Page
Minitex® Vertical Receptacle	67
Minitex® IDC Receptacle	74
Minitex® Crimp-to-Wire Contacts and Housing, Active Latch	72
Minitex® Shunts	76

PART NUMBER SELECTOR



▶ MINITEK® SHROUDED HEADER, VERTICAL

CORE RANGE SELECTED PART NUMBERS



Base Part Number	Part Number	Description	Plating	Pin Style/ Mating Dimension (mm)	Total Positions	Packaging
98414	98414-F06-06ULF	Dual Row, TH	F= Gold flash on contact area 2µm min. matte Tin on tail	06= Mating Length: 4.00, Solder: 2.50	6	Tube
	98414-F06-08ULF				8	
	98414-F06-10ULF				10	
	98414-F06-12ULF				12	
	98414-F06-14ULF				14	
	98414-F06-16ULF				16	
	98414-F06-18ULF				18	
	98414-F06-20ULF				20	
98424	98424-F52-06ALF	Dual Row, SMT	F= Gold flash on contact area 2µm min. matte Tin on tail	52= Mating Length: 4.00	6	Tape/Reel
	98424-F52-08ALF				8	
	98424-F52-10ALF				10	
	98424-F52-12ALF				12	
	98424-F52-14ALF				14	
	98424-F52-16ALF				16	
	98424-F52-18ALF				18	
	98424-F52-20ALF				20	

TECHNICAL INFORMATION

MATERIAL

- Housing: High temperature Thermoplastic, Black
- Flammability Rating: UL94V-0
- Contact: Phosphor-bronze
- Plating:
 - 1= 0.76µm Gold or GXT® on contact, Tin on solder
 - 3= 0.38µm Gold or GXT® on contact, Tin on solder

APPROVALS AND CERTIFICATIONS

-  File no. E66906
-  File no. LR46923
- RoHS: this product is compatible according to the European Union Directive 2011/65/EU

PACKAGING

- Standard: TH in Tube
- SMT in Tape/Reel
- Optional: Tube (SMT)

ENVIRONMENTAL

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

SPECIFICATION

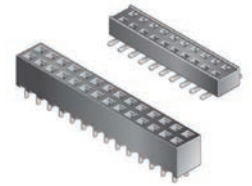
- Product Specification: GS-12-067 and DPS-12-011 - 63453

PROCESSING INFORMATION

- Compatible with wave, vapor-phase, and IR reflow soldering processes

ELECTRICAL PERFORMANCE

- Current Rating: 2A continuous
- Insulation Resistance: 1 x 10⁵MΩ min.
- Contact Resistance:
 - 20mΩ
 - 25mΩ - 63453
- Dielectric Withstanding Voltage: 650V
- Voltage Rating: 200V



MECHANICAL PERFORMANCE

- Contact Retention to Housing:
 - 2.20N (227gf) min.
 - 4.90N (500gf) min. - 63453
- Insertion Force per Contact:
 - 1.80N (184gf) max.
 - 1.95N (200gf) - 63453
- Withdrawal Force per Contact: 0.20N (20gf) min.
- Insertion Depth:
 - 4.50mm height: 3.00mm min. to 4.30mm max. [provides .381mm wipe]
 - 2.30mm height - top entry: 1.30mm min. to 2.20mm max. [provides .381mm wipe]
 - 2.30mm height - bottom entry: 1.40mm min. to 2.20mm max. [provides .381mm wipe] plus board thickness

2.00mm

MATING INFORMATION

Product	Page
Minithek® Unshrouded Header, Vertical	63

PART NUMBER SELECTOR

XXXXX	X	XX	XX	XX
BASE PART NUMBER	PLATING CODE	TOTAL POSITIONS	PACKAGING OPTION	LEAD-FREE
0.76µm Gold or GXT® on contact, Tin on solder side	1	55510	Top Entry	04 to 50
0.38µm Gold or GXT® on contact, Tin on solder side	3		Bottom Entry	40 to 30
Surface Mount (SMT)	Height: 4.50mm	55508	Top Entry	91596
	Top Entry			
	Height: 2.30mm	91596	Top Entry	
	Bottom Entry			
			LF	
			Tube (TH)	-
			Tape/Reel (SMT)	TR

CORE RANGE SELECTED PART NUMBERS

Base Part Number	Part Number	Description	Plating	Total Positions	Packaging
55510	55510-304TRLF	Top Entry, Height 4.50mm, SMT	3= 0.38µm Gold or GXT® on contact, Tin on solder	4	Tape/Reel
	55510-306TRLF			6	
	55510-308TRLF			8	
	55510-310TRLF			10	
	55510-312TRLF			12	
	55510-316TRLF			16	
	55510-320TRLF			20	

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

APPROVALS AND CERTIFICATIONS

- UL pending

PACKAGING

- Tube
- Tape

ENVIRONMENTAL

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

ELECTRICAL PERFORMANCE

- Current Rating: 1A (all contacts powered); 2A (one single contact powered)
- Insulation Resistance: 1000MΩ min.
- Dielectric Withstanding Voltage: 650V

SPECIFICATION

- Product Specification: GS-12-1326



2.00mm

PART NUMBER SELECTOR – SINGLE ROW

X X X X X X X X		X	XX	X	XX
BASE PART NUMBER		PLATING CODE	TOTAL POSITIONS	PACKAGING OPTION	LEAD-FREE
Single Row					LF
Vertical, SMT	10131935			Tape/Reel	A
Vertical, TH	10131934			Tube	U
Right Angle, SMT	10131930				
Right Angle, TH	10131931				
0.76µm Gold/GXT® on contact area and 2µm min. Matte Tin on tail	1	2 pos	02	14 pos	14
0.38µm Gold/GXT® on contact area and 2µm min. Matte Tin on tail	2	3 pos	03	15 pos	15
0.20µm Gold/GXT® on contact area and 2µm min. Matte Tin on tail	3	4 pos	04	16 pos	16
1.27µm Nickel min. under layer; 2mm Matte Tin on tail	9	5 pos	05	17 pos	17
		6 pos	06	18 pos	18
		7 pos	07	19 pos	19
		8 pos	08	20 pos	20
		9 pos	09	21 pos	21
		10 pos	10	22 pos	22
		11 pos	11	23 pos	23
		12 pos	12	24 pos	24
		13 pos	13	25 pos	25

MINITEK® RECEPTACLE (NEW CONFIGURATIONS)

PART NUMBER SELECTOR – DUAL ROW

XXXXXXX	X	XX	X	XX																			
BASE PART NUMBER	PLATING CODE	TOTAL POSITIONS	PACKAGING OPTION	LEAD-FREE																			
					LF																		
Dual Row <table border="1"> <tr><td>Vertical, SMT</td><td>10131937</td></tr> <tr><td>Vertical, TH</td><td>10131936</td></tr> <tr><td>Right Angle, SMT</td><td>10131933</td></tr> <tr><td>Right Angle, TH</td><td>10131932</td></tr> </table>		Vertical, SMT	10131937	Vertical, TH	10131936	Right Angle, SMT	10131933	Right Angle, TH	10131932	<table border="1"> <tr><td>2 pos</td><td>02</td></tr> <tr><td>4 pos</td><td>04</td></tr> <tr><td>Up to 50 positions</td><td>50</td></tr> </table>	2 pos	02	4 pos	04	Up to 50 positions	50	<table border="1"> <tr><td>Tape/Reel</td><td>A</td></tr> <tr><td>Tube</td><td>U</td></tr> </table>	Tape/Reel	A	Tube	U		
Vertical, SMT	10131937																						
Vertical, TH	10131936																						
Right Angle, SMT	10131933																						
Right Angle, TH	10131932																						
2 pos	02																						
4 pos	04																						
Up to 50 positions	50																						
Tape/Reel	A																						
Tube	U																						
<table border="1"> <tr><td>0.76µm Gold/GXT® on contact area and 2µm min. Matte Tin on tail</td><td>1</td></tr> <tr><td>0.38µm Gold/GXT® on contact area and 2µm min. Matte Tin on tail</td><td>2</td></tr> <tr><td>0.20µm Gold/GXT® on contact area and 2µm min. Matte Tin on tail</td><td>3</td></tr> <tr><td>1.27µm Nickel min. under layer; and 2µm min. Matte Tin on tail</td><td>9</td></tr> </table>					0.76µm Gold/GXT® on contact area and 2µm min. Matte Tin on tail	1	0.38µm Gold/GXT® on contact area and 2µm min. Matte Tin on tail	2	0.20µm Gold/GXT® on contact area and 2µm min. Matte Tin on tail	3	1.27µm Nickel min. under layer; and 2µm min. Matte Tin on tail	9											
0.76µm Gold/GXT® on contact area and 2µm min. Matte Tin on tail	1																						
0.38µm Gold/GXT® on contact area and 2µm min. Matte Tin on tail	2																						
0.20µm Gold/GXT® on contact area and 2µm min. Matte Tin on tail	3																						
1.27µm Nickel min. under layer; and 2µm min. Matte Tin on tail	9																						

PART NUMBER SELECTOR – 4 ROW

XXXXXXX	X	X	XX	X	X	XX										
BASE PART NUMBER	PLATING CODE	STACK HEIGHT	TAIL LENGTH	TOTAL POSITIONS	PACKAGING OPTION	LEAD-FREE										
						LF										
4 Row 10129187		<table border="1"> <tr><td>15.05 mm</td><td>1</td></tr> <tr><td>13.05 mm</td><td>2</td></tr> </table>	15.05 mm	1	13.05 mm	2		20								
15.05 mm	1															
13.05 mm	2															
<table border="1"> <tr><td>0.76µm Gold/GXT® on contact area, Tin on solder side</td><td>4</td></tr> <tr><td>0.38µm Gold/GXT® on contact area, Tin on solder side</td><td>3</td></tr> </table>	0.76µm Gold/GXT® on contact area, Tin on solder side	4	0.38µm Gold/GXT® on contact area, Tin on solder side	3		<table border="1"> <tr><td>1.6 mm</td><td>1</td></tr> <tr><td>2.0 mm</td><td>2</td></tr> </table>	1.6 mm	1	2.0 mm	2			<table border="1"> <tr><td>Tube with cap</td><td>T</td></tr> </table>	Tube with cap	T	
0.76µm Gold/GXT® on contact area, Tin on solder side	4															
0.38µm Gold/GXT® on contact area, Tin on solder side	3															
1.6 mm	1															
2.0 mm	2															
Tube with cap	T															



SELECTED PART NUMBERS

Base Part Number	Part Number	Description	Plating	Total Positions	Packaging
10131935	10131935-202ULF	Single Row, Vertical, SMT	2= 0.38µm Gold or GXT® on contact, Tin on solder	2	Tube
	10131935-206ULF			6	
	10131935-208ULF			8	
	10131935-210ULF			10	
	10131935-216ULF			16	
	10131935-220ULF			20	
10131931	10131931-202ULF	Single Row, Right Angle, TH	2= 0.38µm Gold or GXT® on contact, Tin on solder	2	Tube
	10131931-206ULF			6	
	10131931-208ULF			8	
	10131931-210ULF			10	
	10131931-216ULF			16	
	10131931-220ULF			20	
10131932	10131932-204ULF	Dual Row, Right Angle, TH	2= 0.38µm Gold or GXT® on contact, Tin on solder	4	Tube
	10131932-206ULF			6	
	10131932-208ULF			8	
	10131932-210ULF			10	
	10131932-216ULF			16	
	10131932-220ULF			20	
10131933	10131933-204ULF	Dual Row, Right Angle, SMT	2= 0.38µm Gold or GXT® on contact, Tin on solder	4	Tube
	10131933-206ULF			6	
	10131933-208ULF			8	
	10131933-210ULF			10	
	10131933-216ULF			16	
	10131933-220ULF			20	
10131934	10131934-202ULF	Single Row, Vertical, TH	2= 0.38µm Gold or GXT® on contact, Tin on solder	2	Tube
	10131934-206ULF			6	
	10131934-208ULF			8	
	10131934-210ULF			10	
	10131934-216ULF			16	
	10131934-220ULF			20	

2.00mm

MINITEK® CRIMP-TO-WIRE CONTACT AND HOUSING, ACTIVE LATCH

TECHNICAL INFORMATION



MATERIAL

- Housing: Polyamide, Black
- Flammability Rating: UL94V-0
- Plating:
 - 1= 0.76µm Gold or GXT® on contact, Tin on solder
 - 0= Gold flash

MECHANICAL PERFORMANCE

- Latching Retention Force: 15N min. (for 2x3 and 2x4 pos.)
- Latching Retention Force: 25N min. (for 2x5 and 2x25 pos.)

APPROVALS AND CERTIFICATIONS

-  File no. E66906
-  File no. LR46923
- RoHS: this product is compatible according to the European Union Directive 2011/65/EU

PACKAGING

- Standard: Plastic Bags

ENVIRONMENTAL

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

ELECTRICAL PERFORMANCE

- Insulation Resistance: 1 x 10⁵MΩ min.
- Dielectric Withstanding Voltage: 500V

SPECIFICATION

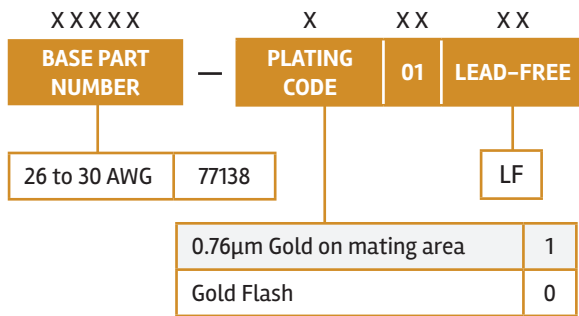
- Product Specification: GS-12-415



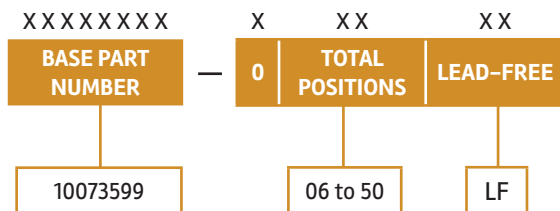
MATING INFORMATION

Product	Page
Minitek® Unshrouded Header, Vertical	63
Minitek® Shrouded Header, Vertical	65

PART NUMBER SELECTOR – CONTACTS



PART NUMBER SELECTOR – HOUSING



CORE RANGE SELECTED PART NUMBERS

CONTACTS

Base Part Number	Part Number	Plating	Wire Gauge (AWG)	Packaging
77138	77138-001LF	Gold flash	30 to 26	Plastic Bags
	77138-101LF	0.76µm Gold or GXT® on contact, Tin on solder		

HOUSING

Base Part Number	Part Number	Plating	Total Positions	Packaging
10073599	10073599-006LF	Dual Row, Active Latch	6	Plastic Bags
	10073599-008LF		8	
	10073599-010LF		10	
	10073599-012LF		12	
	10073599-014LF		14	
	10073599-016LF		16	
	10073599-018LF		18	
	10073599-020LF		20	

2.00mm

MINITEK® IDC RECEPTACLE

TECHNICAL INFORMATION



MATERIAL

- Housing: Thermoplastic, Black
- Flammability Rating: UL94V-0
- Contact: Phosphor-bronze
- Plating:
 - 0.76µm Gold or GXT® on contact, Tin on solder
 - 0.20µm Gold or GXT® on contact, Tin on solder
 - Gold over 1.27µm Nickel

MECHANICAL PERFORMANCE

- Insertion Depth: 2.55mm min. to 4.57mm max. [provides .381mm wipe]

APPROVALS AND CERTIFICATIONS

-  File no. E66906
-  File no. LR46923
- RoHS: this product is compatible according to the European Union Directive 2011/65/EU

PACKAGING

- Tube

ENVIRONMENTAL

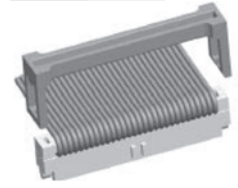
- Operating Temperature: -40°C to +105°C

ELECTRICAL PERFORMANCE

- Current Rating: 1A continuous
- Insulation Resistance: 1 x 10⁵MΩ min.
- Contact Resistance: 30mΩ
- Dielectric Withstanding Voltage: 650V
- Wire Gauge: 30 to 26AWG

SPECIFICATION

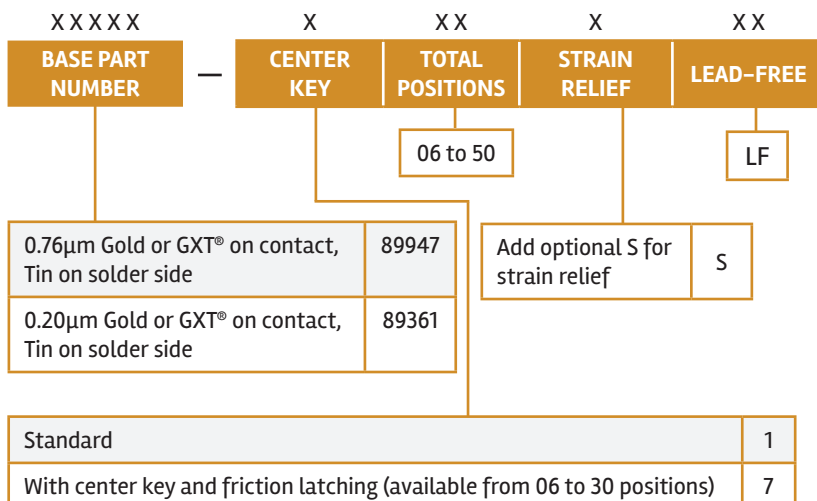
- Product Specification: GS-12-115



MATING INFORMATION

Product	Page
Minithek® Unshrouded Header, Vertical	63
Minithek® Shrouded Header, Vertical	65

PART NUMBER SELECTOR



CORE RANGE SELECTED PART NUMBERS

Base Part Number	Part Number	Configuration	Plating	Center Key	Total Positions	Packaging
89361	89361-106LF	Dual Row	0.20µm Gold or GXT® on contact, Tin on solder side	1= Standard	6	Tube
	89361-108LF				8	
	89361-110LF				10	
	89361-112LF				12	
	89361-706LF			7= With Center Key and Friction Latching	6	
	89361-708LF				8	
	89361-710LF				10	
	89361-712LF				12	

2.00mm

▶ MINITEK® SHUNTS

TECHNICAL INFORMATION



MATERIAL

- Housing: High temperature Thermoplastic, Black
- Flammability Rating: UL94V-0
- Contact: Phosphor-bronze
- Plating:
 - 1= 0.76µm Gold or GXT® on contact, Tin on solder
 - 3= 0.38µm Gold or GXT® on contact, Tin on solder

MECHANICAL PERFORMANCE

- Insertion Force per Contact: 6.41N (650gf) max.
- Withdrawal Force per Contact: 0.49N (50gf) min.
- Insertion Depth: 2.24mm min. [provides.381mm wipe]

APPROVALS AND CERTIFICATIONS

-  File no. E66906
-  File no. LR46923
- RoHS: this product is compatible according to the European Union Directive 2011/65/EU

PACKAGING

- Plastic Bags

ENVIRONMENTAL

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

ELECTRICAL PERFORMANCE

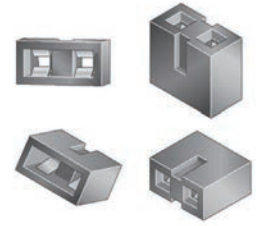
- Current Rating: 1A continuous
- Insulation Resistance: 1 x 10⁵MΩ min.
- Contact Resistance: 25mΩ
- Dielectric Withstanding Voltage: 650V
- Voltage Rating: 200V

SPECIFICATION

- Product Specification: DPS-12-012

PROCESSING INFORMATION

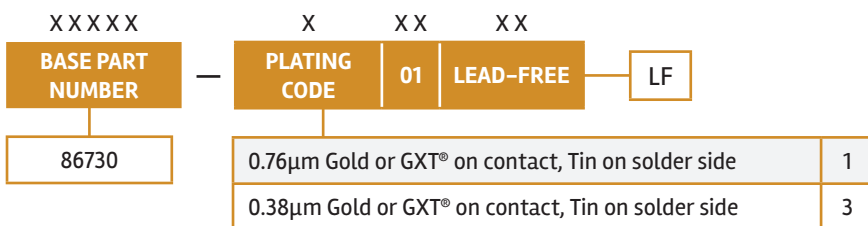
- Compatible with wave, vapor-phase, and IR reflow soldering processes



MATING INFORMATION

Product	Page
Minitek® Unshrouded Header, Vertical	63
Minitek® Shrouded Header, Vertical	65

PART NUMBER SELECTOR



SELECTED PART NUMBERS

Part Number	Description	Plating	Total Positions	Packaging
86730-301LF	Single Row, Centerline	3= 0.38µm Gold or GXT® on contact, Tin on solder side	2	Plastic Bags

COMPACT BOARD-TO-BOARD CONNECTOR

Minittek127® is an extensive modular solution able to cover all customer needs, save time and qualification cost. The halogen-free product is offered in vertical, right angle, surface mount and through hole configurations. Locating peg option for SMT, different plating variations and up to 100 positions are available.

- Top and bottom entry configurations for mezzanine applications
- Standoff design allows cleaning to eliminate soldering contaminations
- 3 duplex plating ensures cost efficiency
- Customized selective pin loading available
- Stack heights for parallel board-to-board are 5.8mm, 6.0mm, 6.1mm and 6.9mm

FEATURES

- 3 duplex plating versions, 30u" ,15u" GXT®, 10u" Gold and Gold flash
- Both top and bottom entry configurations available
- Standoff design
- Locating peg option for SMT product
- Customizable stacking header
- Tape/Reel with pick up cap or tube without pick up cap



TARGET MARKETS



BENEFITS

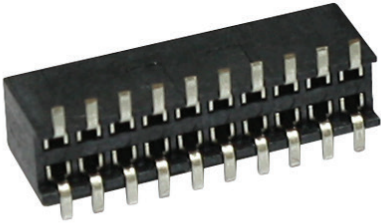
- Enables applications in environments ranging from less demanding to severe
- Useful for mezzanine applications
- Allows cleaning to eliminate soldering contaminations
- Simplifies customer design and process
- Suitable for specific designs
- Facilitates automated pick and place assembly

1.27mm

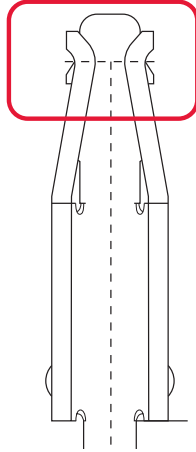
▶ MINITEK127® CONTACT DESIGN

MINITEK® 1.27MM DUAL ROW RECEPTACLE (P/N: 20021321)

Terminal beam design



Terminal dual beam design - U shape terminal



TECHNICAL INFORMATION

MATERIAL

- Housing: High temperature Resin, Halogen-free
- Contact: Copper Alloy
- Plating:
 - 1= Gold Flash on contact
 - 4= 0.25µm Gold on contact, Tin on solder
 - 8= 0.76µm GXT® on contact, Tin on solder

MECHANICAL PERFORMANCE

- Durability: 100 mating cycles
- Mating Force: 2.2N max. per contact
- Unmating Force: 0.2N min. per contact

APPROVALS AND CERTIFICATIONS

- UL E66906

PACKAGING

- Tape/Reel
- Tube

ENVIRONMENTAL

- Operating Temperature: -55°C to +125°C
- Mixed Flowing Gas Class IIA
- Humidity: 95% relative humidity for 96 hours

ELECTRICAL PERFORMANCE

- Contact Resistance: 30MΩ
- Insulation Resistance: 1000MΩ min.
- Current Rating: 1.0A per contact
- Voltage Rating: 125VAC
- IDC Wire Gauge: 30AWG

SPECIFICATION

- Product Specification GS-12-629

1.27mm

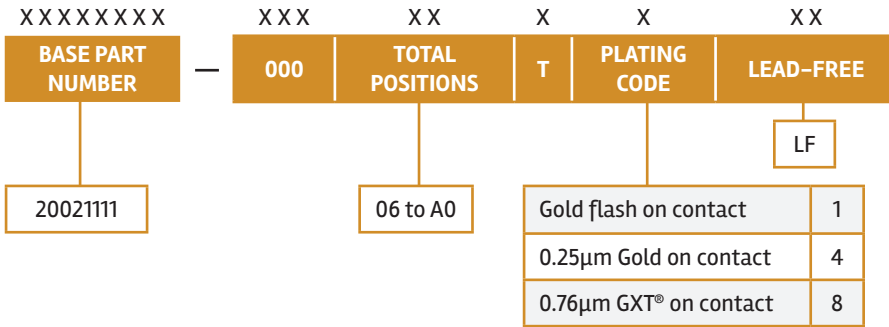
PART NUMBER SELECTOR

Minitek127®

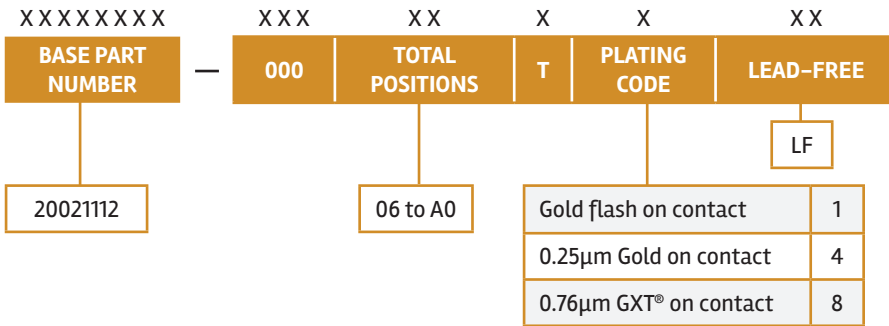
XXXXX		X		X		X	
BASE PART NUMBER	TYPE	TERMINATION	ORIENTATION				
20021	Unshrouded header	1	TH	1	Vertical	1	
	Shrouded header	2	SMT	2	Right Angle	2	
	Receptacle	3	PIP	3	Vertical, alternative	3	
	IDC	4	N.A	4			
	IDC header	5			Others	4	
	IDC eject header	6					
	CTW	7					
	Stacking header	8					
	Customization	9					

PART NUMBER SELECTOR – UNSHROUDED HEADER

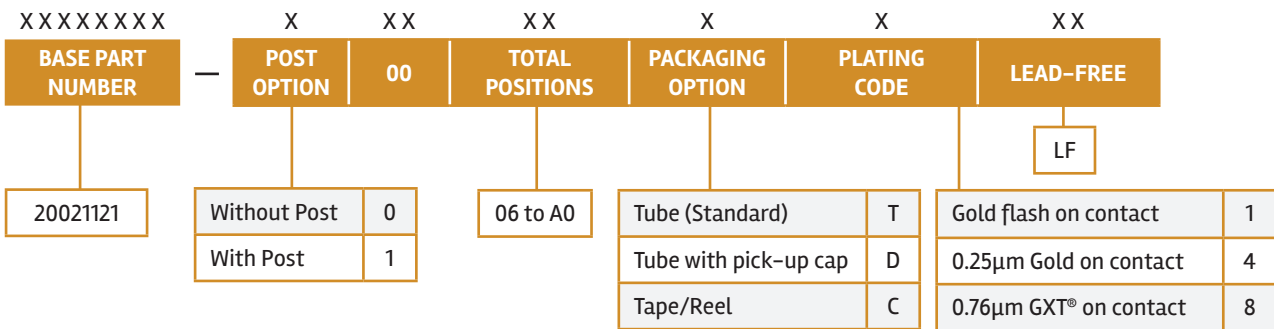
Minitek127® Unshrouded Header, Vertical, TH



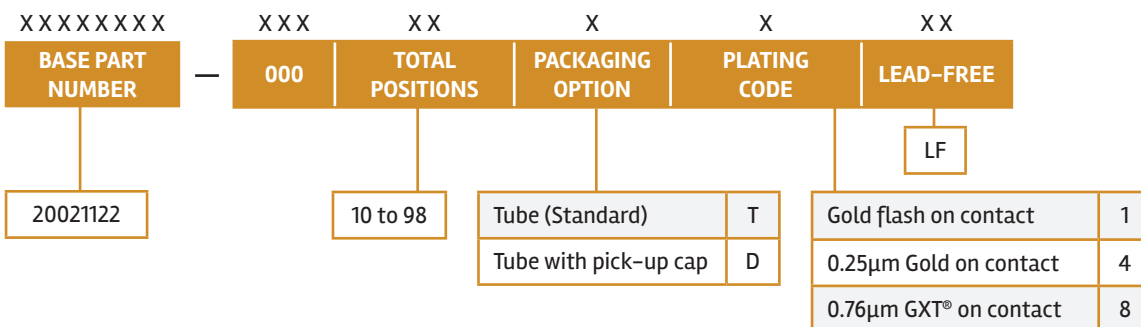
Minitek127® Unshrouded Header, Right Angle, TH



Minitek127® Unshrouded Header, Vertical, SMT

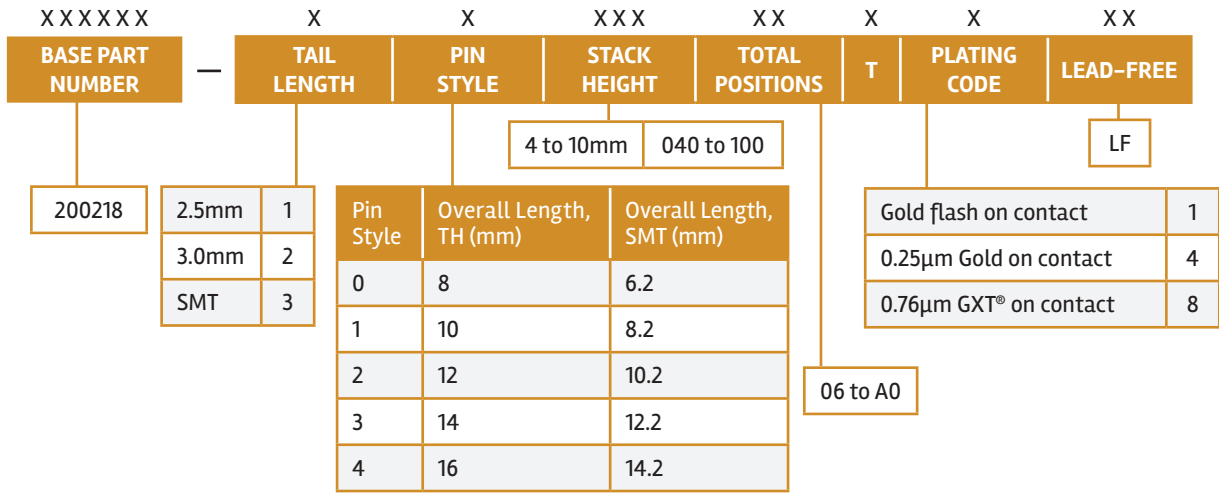


Minitek127® Unshrouded Header, Right Angle, SMT



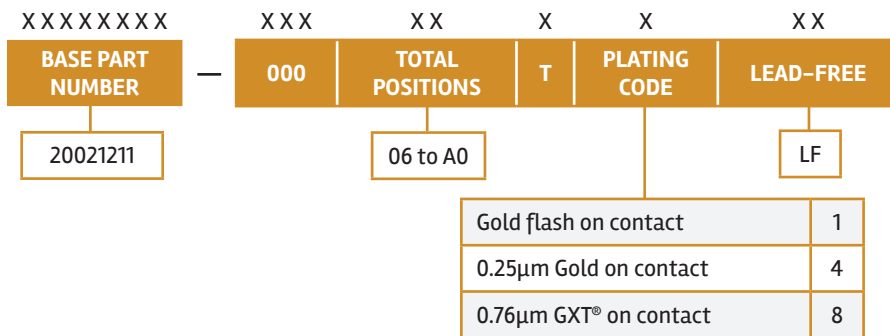
PART NUMBER SELECTOR– UNSHROUDED HEADER

Minitek127® Unshrouded Header, Stacking

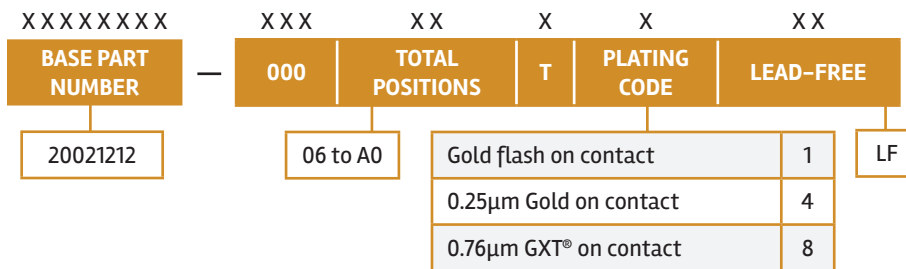


PART NUMBER SELECTOR– SHROUDED HEADER

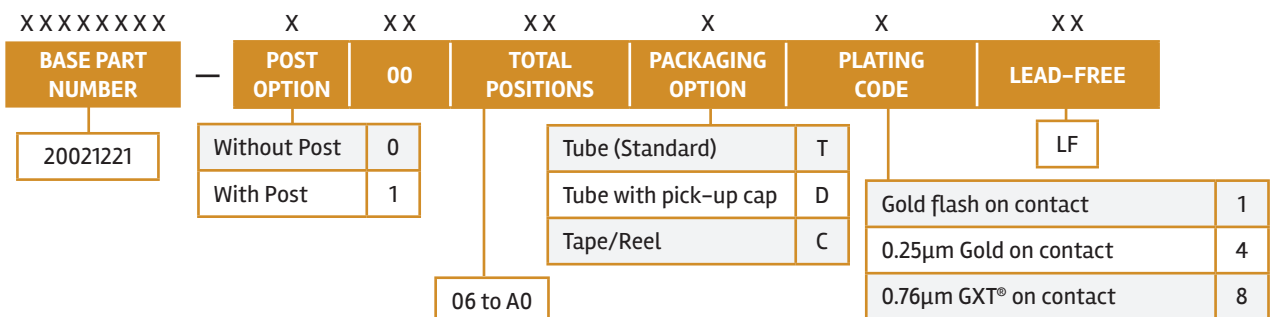
Minitek127® Shrouded Header, Vertical, TH



Minitek127® Shrouded Header, Right Angle, TH

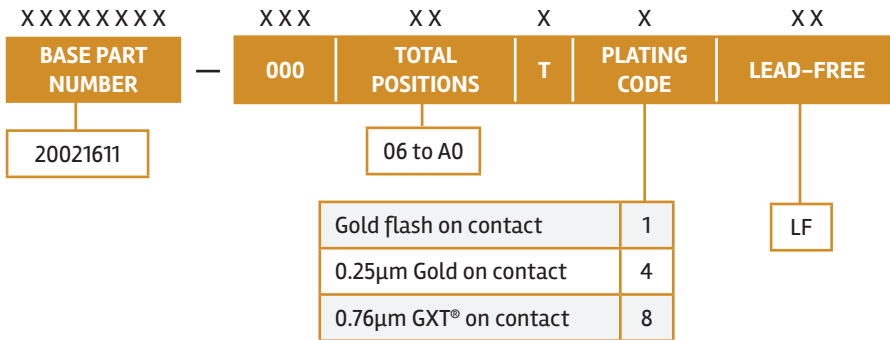


Minitek127® Shrouded Header, Vertical, SMT

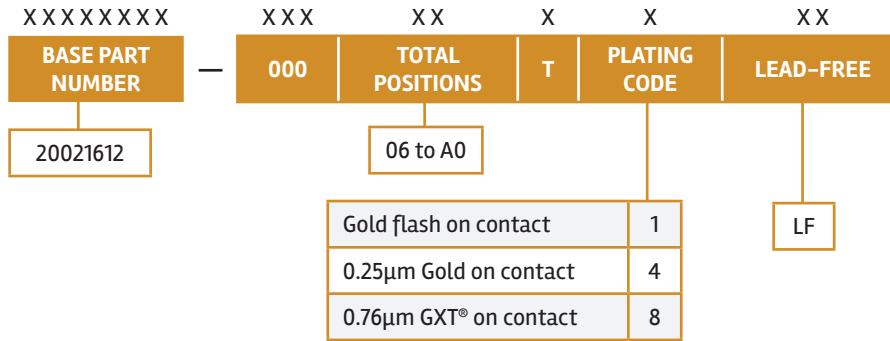


PART NUMBER SELECTOR – EJECT HEADER

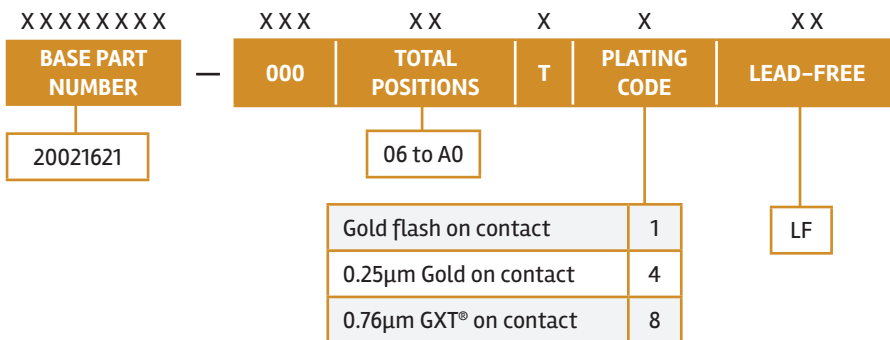
Minitek127® Eject Header, Vertical, TH



Minitek127® Eject Header, Right Angle, TH

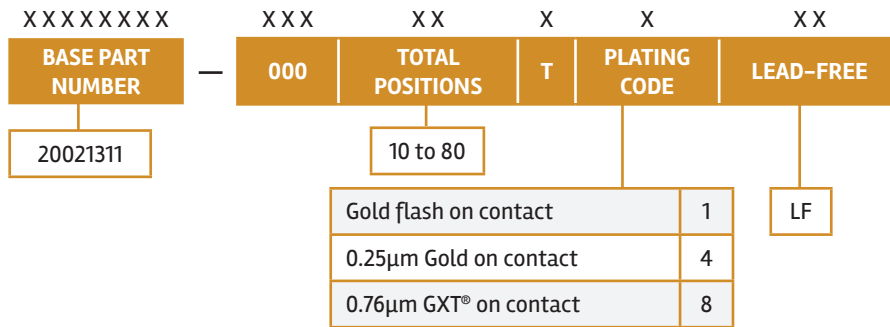


Minitek127® Eject Header, Vertical, SMT

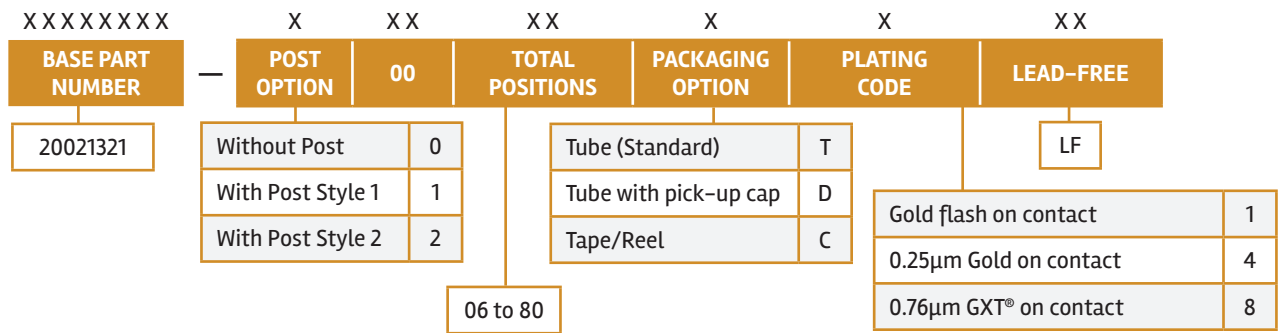


PART NUMBER SELECTOR – RECEPTACLE (IDC)

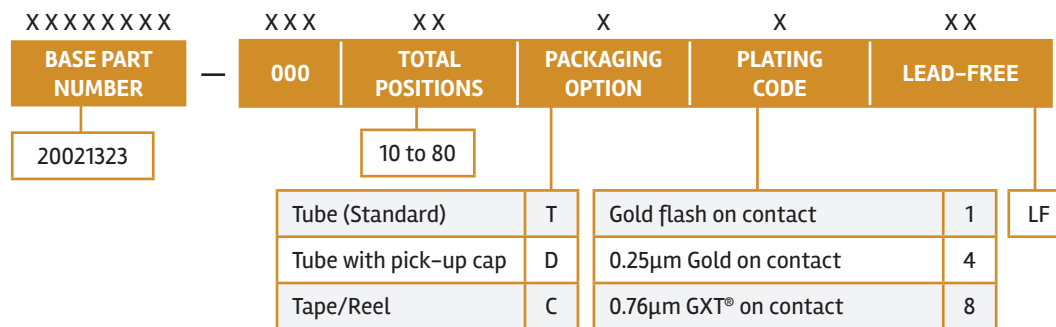
Minitek127® Receptacle, Vertical, TH



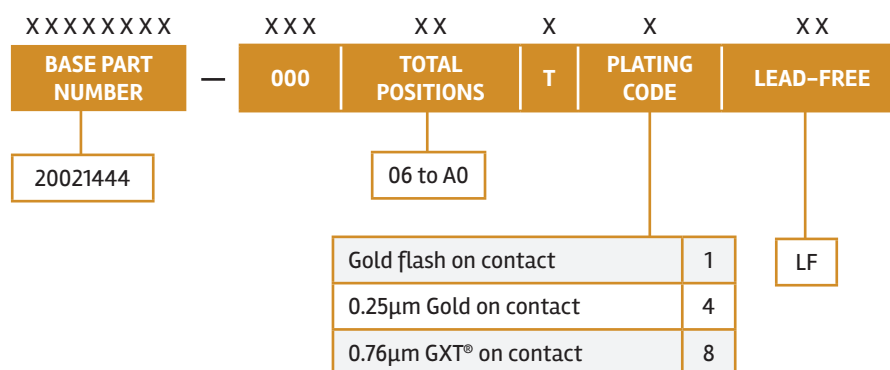
Minitek127® Receptacle, Vertical, SMT



Minitek127® Receptacle, Vertical, SMT, Bottom Entry



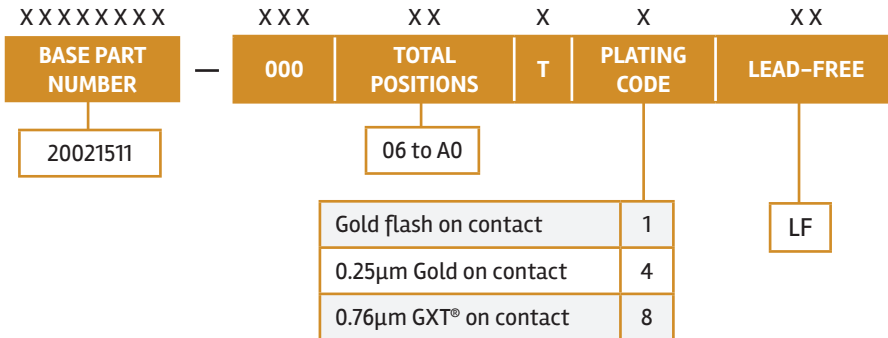
Minitek127® IDC Receptacle



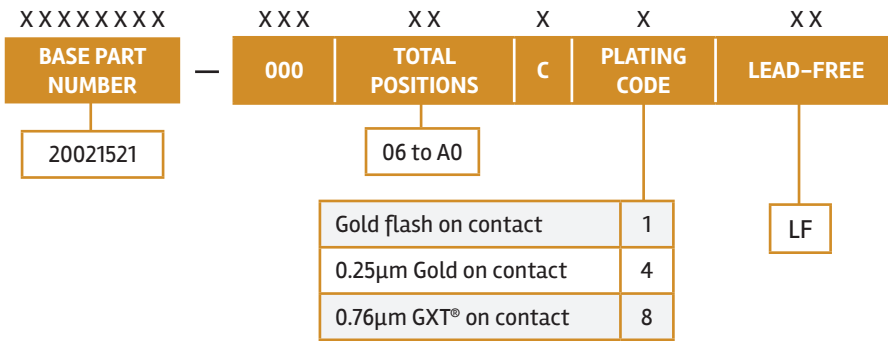
1.27mm

PART NUMBER SELECTOR – IDC HEADER

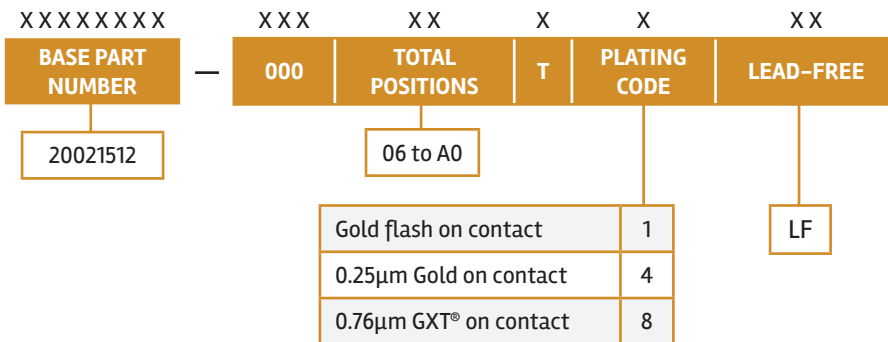
Minitek127® IDC Header, Vertical, TH



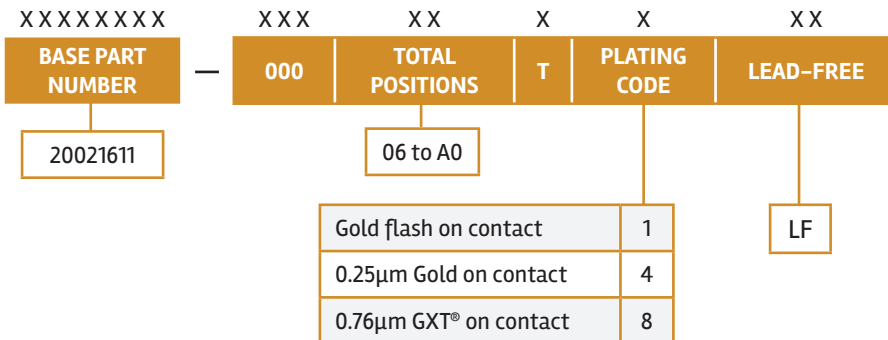
Minitek127® IDC Header, Vertical, SMT



Minitek127® IDC Header, Right Angle, TH



Minitek127® IDC Header, Right Angle, SMT



CORE RANGE SELECTED PART NUMBERS

Base Part Number	Part Number	Description	Plating	Total Positions	Packaging
20021111	20021111-00006T4LF	Unshrouded header, Vertical, TH	0.25µm Gold on contact	6	Tube
	20021111-00008T4LF			8	
	20021111-00010T4LF			10	
	20021111-00012T4LF			12	
	20021111-00016T4LF			16	
	20021111-00020T4LF			20	
20021121	20021121-00006C4LF	Unshrouded header, Vertical, SMT	0.25µm Gold on contact	6	Tape/Reel with cap
	20021121-00008C4LF			8	
	20021121-00010C4LF			10	
	20021121-00012C4LF			12	
	20021121-00016C4LF			16	
	20021121-00020C4LF			20	
20021221	20021221-00006C4LF	Shrouded header, Vertical, SMT	0.25µm Gold on contact	6	Tape/Reel with cap
	20021221-00008C4LF			8	
	20021221-00010C4LF			10	
	20021221-00012C4LF			12	
	20021221-00016C4LF			16	
	20021221-00020C4LF			20	
20021321	20021321-00006C4LF	Receptacle, Vertical, SMT	0.25µm Gold on contact	6	Tape/Reel with cap
	20021321-00008C4LF			8	
	20021321-00010C4LF			10	
	20021321-00012C4LF			12	
	20021321-00016C4LF			16	
	20021321-00020C4LF			20	
20021444	20021444-00010T4LF	IDC Receptacle	0.25µm Gold on contact	10	Tube
	20021444-00012T4LF			12	
	20021444-00016T4LF			16	
	20021444-00020T4LF			20	

1.27mm

PRIORITY PART SELECTED PART NUMBERS

Base Part Number	Part Number	Description	Plating	Total Positions	Packaging
20021521	20021521-00010C1LF	IDC Header, Vertical, SMT	Gold flash on contact	10	Tape/Reel with cap
	20021521-00012C1LF			12	
	20021521-00016C1LF			16	
	20021521-00020C1LF			20	
20021621	20021621-00010C1LF	Eject Header, Vertical, SMT	Gold flash on contact	10	Tape/Reel with cap
	20021621-00012C1LF			12	
	20021621-00016C1LF			16	
	20021621-00020C1LF			20	

BERGSTAK® 0.5MM MEZZANINE CONNECTORS

COMPREHENSIVE AND VERSATILE SOLUTION

BergStak® 0.5mm is a flexible solution designed for high density, parallel board-to-board connector system with 2 PCB stack heights in 3 sizes up to 30 positions.

- Vertical versus vertical configuration
- 10 to 60 position sizes in 10 position increments
- 5mm to 20mm stack heights in 1mm increments



TARGET MARKETS



FEATURES

- 0.5mm double row contact pitch saves space on PCB
- 3mm to 6mm stack heights in 0.5mm increments
- 10 to 60 positions in 10 position increments
- Scoop-proof housings
- Metal hold-down option
- Locating pegs option
- High temperature thermoplastic housing material
- RoHS compliant and lead-free

BENEFITS

- Suitable for high density applications in consumer, industrial & instrumentation and medical markets
- Wide range of sizes and stack heights supports different applications
- Ensures terminals are not damaged during mating
- Higher retention force
- Eases manual assembly
- High flammability rating
- Meets environmental, health and safety requirements

0.50mm

▶ BERGSTAK® 0.5MM MEZZANINE CONNECTORS

TECHNICAL INFORMATION

MATERIAL

- Housing: High temperature Thermoplastic UL94V-0, LCP, Black
- Terminal: Copper Alloy
- Metal hold-down: Copper Alloy
- Plating: Gold Flash

MECHANICAL PERFORMANCE

- Mating Force: 1.47N per pin max.
- Unmating Force: 0.15N per pin min.
- Retention Force: 0.98N per pin min.
- Durability: 50 mating cycles

ENVIRONMENTAL

- Salt Spray Test:
 - 5±1% salt concentration 48±4 hours 35±2°C
- Thermal Shock: -65 to +125°C
- High Temperature: 85±2°C for 96 hours
- Humidity:
 - Temperature: 40±2°C 96 hours
 - Relative Humidity: 90–95%
 - Duration: 96 Hours

ELECTRICAL PERFORMANCE

- Current Rating: 0.3A per contact
- Insulation Resistance: 500MΩ min.
- Voltage Rating: 50 VAC

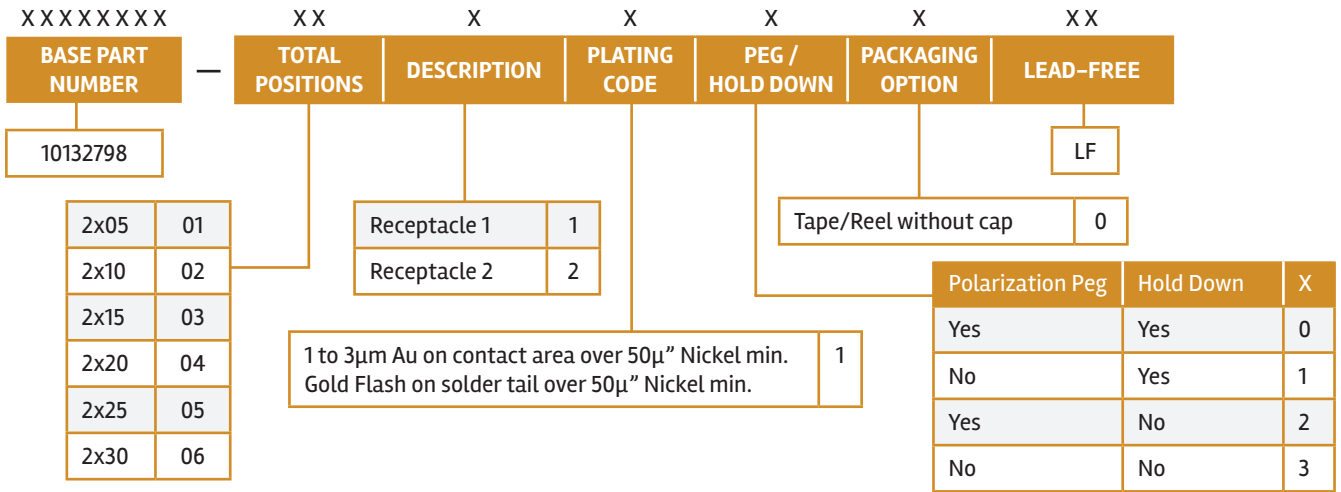
SPECIFICATION

- Product Specification: GS-12-1298

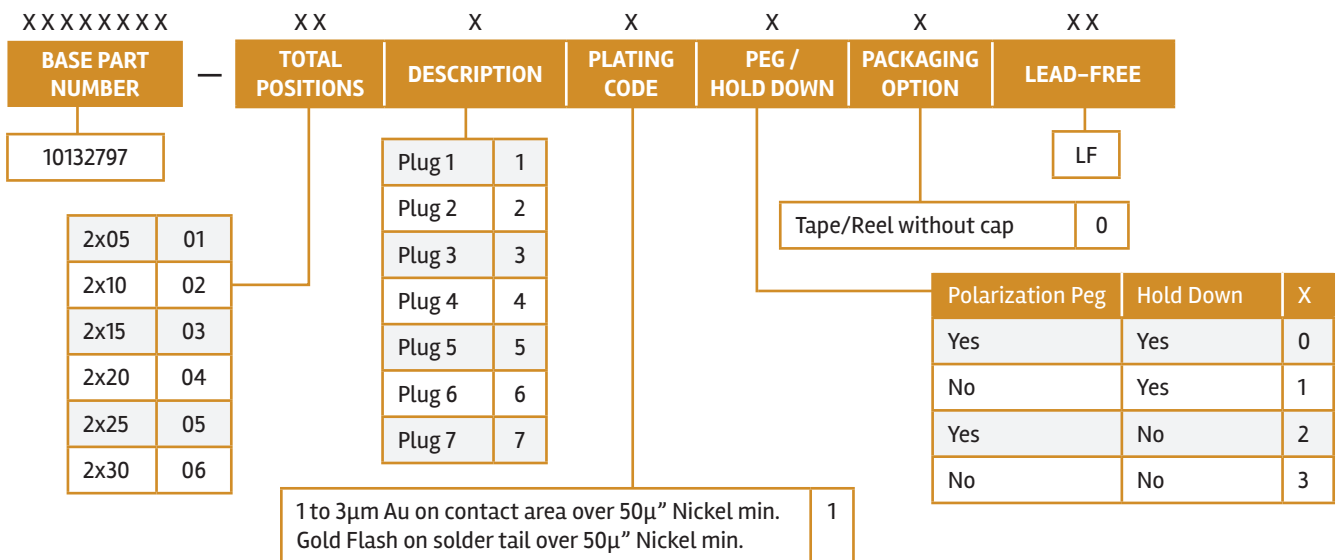
PACKAGING

- Tape/Reel

PART NUMBER SELECTOR – RECEPTACLE



PART NUMBER SELECTOR – PLUG



CORE RANGE SELECTED PART NUMBERS

Base Part Number	Part Number	Description	Stack Height	Total Positions	Packaging
10132797	10132797-011100LF	Plug	2.3mm	10	Loose pieces
	10132797-033100LF		3.3mm	30	
	10132797-055100LF		4.3mm	50	
	10132797-065100LF		4.3mm	60	
	10132797-067100LF		5.3mm	60	
10132798	10132798-011100LF	Receptacle	2.15mm	10	Loose pieces
	10132798-031100LF		2.15mm	30	
	10132798-052100LF		2.7mm	50	
	10132798-062100LF		2.7mm	60	

FFC/FPC CONNECTORS

VERSATILE SOLUTION FOR DIFFERENT APPLICATIONS SEGMENTS

AFCI's FFC/FPC connectors offers the most innovative and complete range of products in the industry.

The connectors are available in LIF (low insertion force) and ZIF (zero insertion force), top and bottom contact options, vertical and right angle orientations, surface mount and through hole terminations in contact spacing options all the way down to 0.20mm.

Additional features include optional cable locks and additional mounting devices. AFCI has a solution for almost any application, no matter how demanding.



HFW SERIES

1.00mm pitch, Non-ZIF design

The HFW series- 1.00mm pitch connector is a versatile and cost-effective solution used in board-to-board applications with space constraint. It comes in non-ZIF design which is more robust. Right angle and vertical configurations are available.

- Suitable for a variety of applications
- Rugged design for cost-effective solution
- Non-ZIF design for a robust solution



TARGET MARKETS



FEATURES

- Right angle and vertical configurations
- Rugged design
- Non-ZIF design
- RoHS compliant

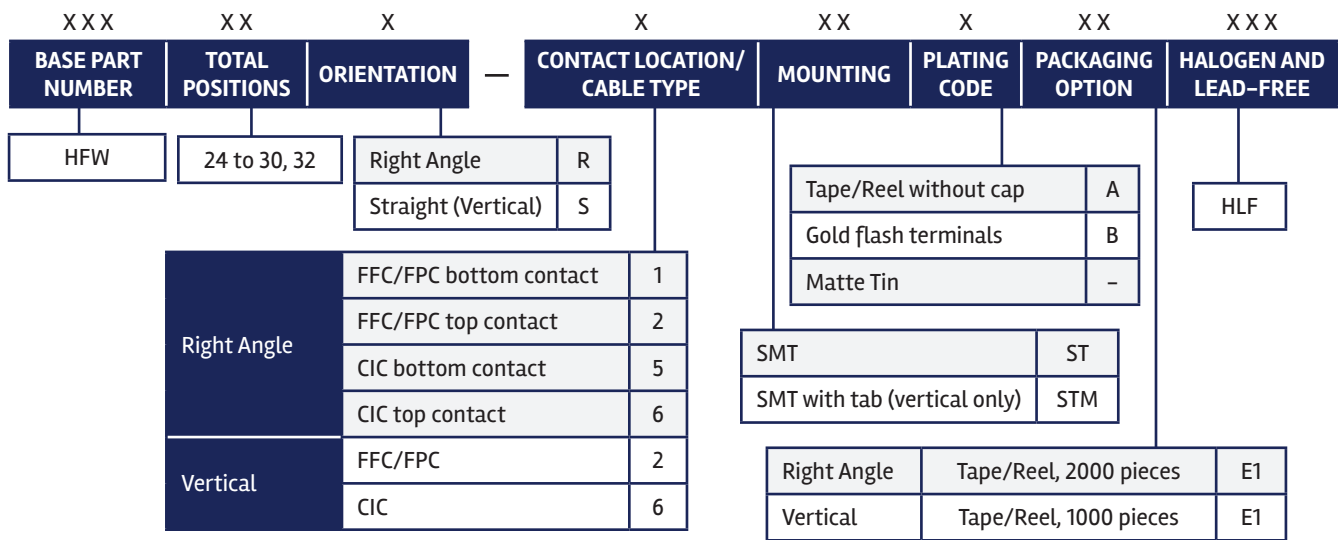
BENEFITS

- Suitable for a variety of applications
- Cost-effective solution
- Improves robustness
- Meets environmental, health and safety requirements

TECHNICAL INFORMATION

- Orientation: Right angle and vertical options
- Cable Termination: Non-ZIF
- Cable Type: FFC/FPC/CIC
- Board Termination: Surface Mount (SMT)
- Contact Location: Top and bottom
- Height: 1.9mm (right angle), 5.3mm (vertical)
- Available in lead-free Matte Tin and Gold flash plating

PART NUMBER SELECTOR

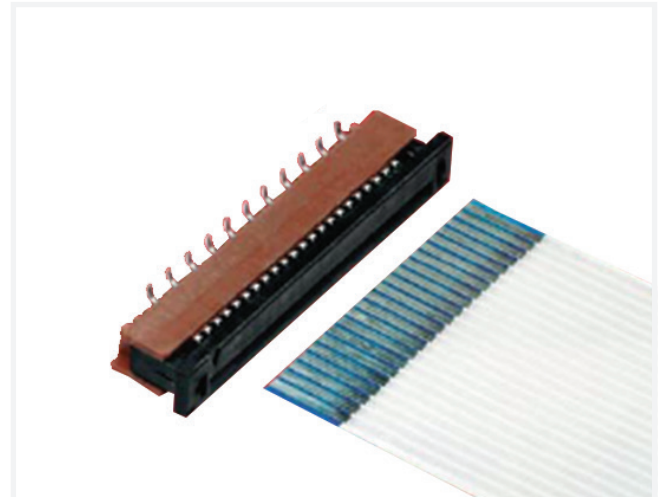


SFW SERIES

1.00mm pitch, ZIF design

The SFW series- 1.00mm pitch connector is a flexible and low cost solution suitable for applications requiring high pin count connectors. Right angle and vertical configurations are available.

- Suitable for a variety of applications
- ZIF design ensures ease of use
- Sliding actuator ensures high retention force
- High pin count ensures cost efficiency



TARGET MARKETS



FEATURES

- Right angle and vertical configurations
- SMT termination
- ZIF design
- Sliding actuator
- Higher pin count
- Optional cable lock for right angle version
- RoHS compliant

BENEFITS

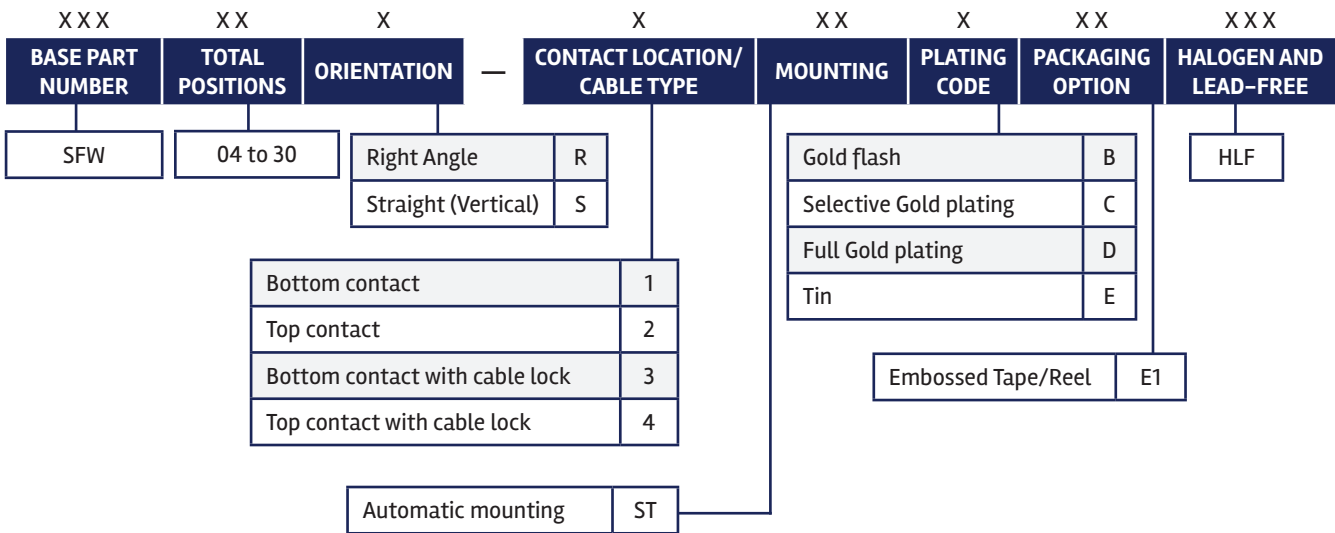
- Suitable for a variety of applications
- Suitable for FFC/FPC/CIC cables
- Easy to use
- Ensures high retention force
- Cost-effective solution
- Ensures high retention force
- Meets environmental, health and safety requirements

► SFW SERIES

TECHNICAL INFORMATION

- Orientation: Right angle and vertical options
- Cable Termination: ZIF
- Cable Type: FFC/FPC/CIC
- Board Termination: Surface Mount (SMT)
- Contact Location: Top and bottom
- Height: 2.7mm (right angle), 5.3mm (vertical)
- Available in lead-free Matte Tin and Gold flash plating
- Optional cable lock for right angle version

PART NUMBER SELECTOR

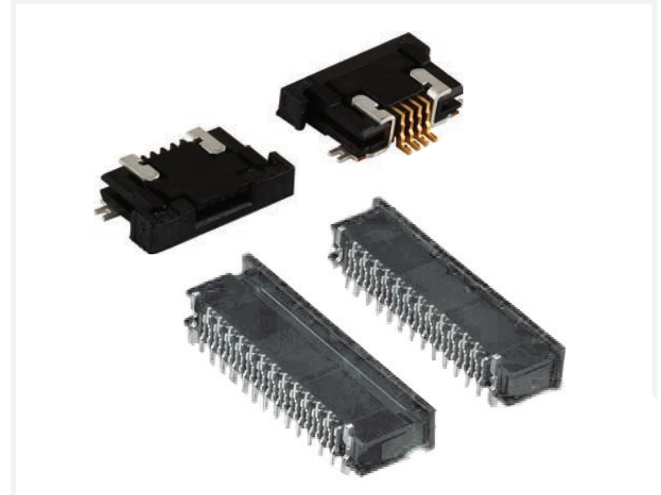


SFV SERIES

0.50mm pitch, ZIF design

The SFV series- 0.50mm pitch connector is a reliable and low cost solution. It comes with a sliding actuator that secures cable and ZIF design with top and bottom contacts. Right angle and vertical configurations are available.

- Suitable for a variety of applications
- ZIF design ensures ease of use
- Sliding actuator ensures high retention force
- High pin count ensures cost efficiency



TARGET MARKETS



FEATURES

- ZIF design
- Traditional sliding actuator
- Higher pin count
- RoHS compliant

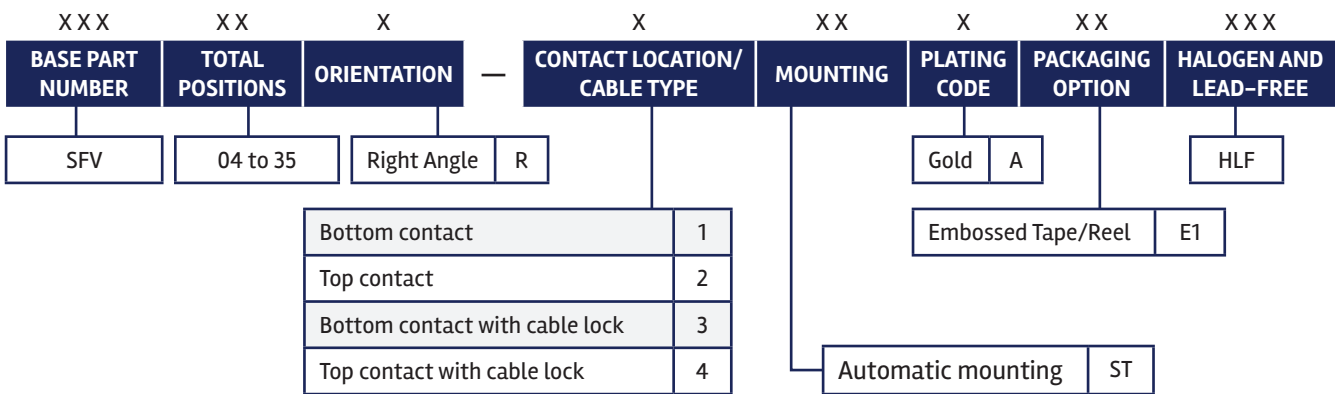
BENEFITS

- Easy to use
- Ensures high retention force
- Cost-effective solution
- Meets environmental, health and safety requirements

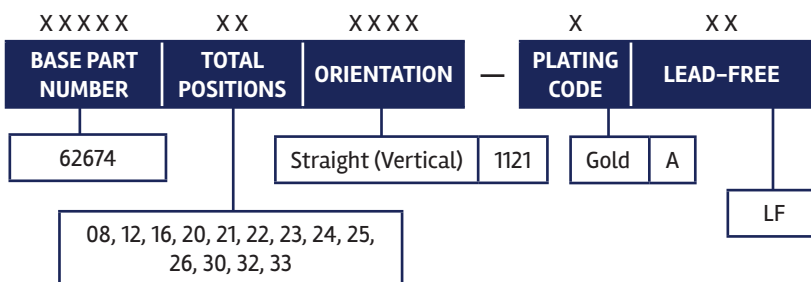
TECHNICAL INFORMATION

- Orientation: Right angle and vertical options
- Cable Termination: ZIF with prehold
- Cable Type: FFC/FPC
- Board Termination: Surface Mount (SMT)
- Contact Location: Top and bottom
- Height: 1.8mm
- Available in lead-free Matte Tin and Gold plating option
- Optional cable lock
- Halogen-free

PART NUMBER SELECTOR – SFV-R SERIES



PART NUMBER SELECTOR – SFV-S SERIES



VLL SERIES

0.50mm pitch, ZIF design

The VLL series- 0.50mm pitch right angle connector is a reliable and low cost solution for applications requiring high pin count connectors. It comes with a backside flip actuator and ZIF design that is easy to use.

- Suitable for a variety of applications
- ZIF design ensures ease of use
- Traditional sliding actuator for high retention force
- High pin count ensures cost efficiency



TARGET MARKETS



FFC/FPC

FEATURES

- ZIF design
- Backside flip actuator
- High retention design
- Higher pin count
- RoHS compliant

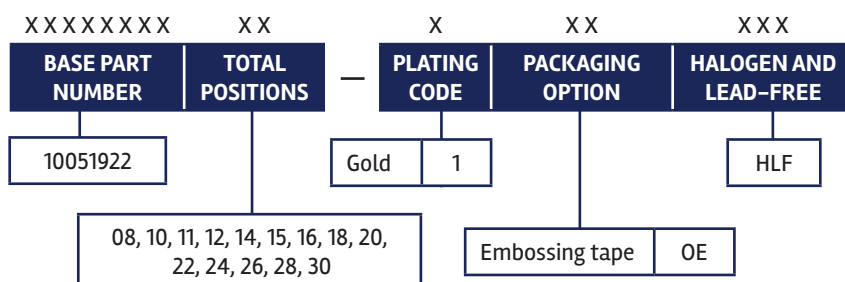
BENEFITS

- Easy to use
- Enables visual confirmation
- Secure and reliable connection
- Cost-effective solution
- Meets environmental, health and safety requirements

TECHNICAL INFORMATION

- Orientation: Right angle
- Cable Termination: ZIF
- Cable Type: FFC/FPC
- Board Termination: Surface Mount (SMT)
- Contact Location: Bottom
- Height: 1.2mm
- Lead-free with gold plating
- Halogen-free
- Accommodated cable thickness: 0.3mm

PART NUMBER SELECTOR



CORE RANGE SELECTED PART NUMBERS

Series	Part Number	Pitch	Orientation	Total Positions	Cable Termination	Contact Location/ Cable Type	Plating	Note					
HFW	HFW4R-1STE1LF	1.00mm	Right Angle	4	Non-ZIF	Bottom	Tin	-					
	HFW8R-1STE1LF			8									
	HFW12R-1STE1LF			12									
	HFW14R-1STE1LF			14									
	HFW18R-1STE1LF			18									
	HFW20R-1STE1LF			20									
	HFW24R-1STE1LF			24									
	HFW28R-1STE1LF			28									
	HFW30R-1STE1LF			30									
	HFW4R-2STE1LF			4									
	HFW8R-2STE1LF			8									
	HFW12R-2STE1LF			12									
	HFW14R-2STE1LF			14									
	HFW18R-2STE1LF			18									
	HFW20R-2STE1LF			20									
	HFW24R-2STE1LF			24									
	HFW28R-2STE1LF			28									
	HFW30R-2STE1LF			30									
						Vertical			8		Top		Halogen-free
	HFW8S-2STE1HLF		8										
	HFW12S-2STE1HLF		12										
	HFW14S-2STE1HLF		14										
	HFW18S-2STE1HLF		18										
	HFW20S-2STE1HLF		20										
	HFW24S-2STE1HLF		24										
	HFW28S-2STE1HLF		28										
	HFW30S-2STE1HLF		30										

Series	Part Number	Pitch	Orientation	Total Positions	Cable Termination	Contact Location/ Cable Type	Plating						
SFW	SFW4R-1STE1HLF	1.00mm	Right Angle	4	ZIF	Bottom	Tin						
	SFW8R-1STE1HLF			8									
	SFW12R-1STE1HLF			12									
	SFW14R-1STE1HLF			14									
	SFW18R-1STE1HLF			18									
	SFW24R-1STE1HLF			24									
	SFW30R-1STE1HLF			30									
	SFW34R-1STE1HLF			34									
	SFW4R-2STE1HLF			4									
	SFW8R-2STE1HLF			8									
	SFW12R-2STE1HLF			12									
	SFW14R-2STE1HLF			14									
	SFW18R-2STE1HLF			18									
	SFW24R-2STE1HLF			24									
	SFW30R-2STE1HLF			30									
	SFW34R-2STE1HLF			34									
									Vertical	4		Top	
	SFW4S-2STE1LF			4									
	SFW8S-2STE1LF		8										
	SFW12S-2STE1LF		12										
	SFW14S-2STE1LF		14										
	SFW18S-2STE1LF		18										
	SFW24S-2STE1LF		24										
	SFW30S-2STE1LF		30										
	SFW34S-2STE1LF		34										

CORE RANGE SELECTED PART NUMBERS

Series	Part Number	Pitch	Orientation	Total Positions	Cable Termination	Contact Location/ Cable Type	Plating
SFV-R	SFV4R-3STBE1HLF	0.50mm	Right Angle	4	ZIF	Bottom	Gold
	SFV8R-3STBE1HLF			8			
	SFV12R-3STBE1HLF			12			
	SFV14R-3STBE1HLF			14			
	SFV18R-3STBE1HLF			18			
	SFV24R-3STBE1HLF			24			
	SFV30R-3STBE1HLF			30			
	SFV34R-3STBE1HLF			34			
	SFV4R-4STBE1HLF			4		Top	
	SFV8R-4STBE1HLF			8			
	SFV12R-4STBE1HLF			12			
	SFV14R-4STBE1HLF			14			
	SFV18R-4STBE1HLF			18			
	SFV24R-4STBE1HLF			24			
	SFV30R-4STBE1HLF			30			
	SFV34R-4STBE1HLF			34			

Series	Part Number	Pitch	Orientation	Total Positions	Cable Termination	Plating
SFV-S	62674-81121ALF	0.50mm	Vertical	8	ZIF	Gold
	62674-121121ALF			12		
	62674-161121ALF			16		
	62674-201121ALF			20		
	62674-211121ALF			21		
	62674-221121ALF			22		
	62674-241121ALF			24		
	62674-251121ALF			25		
	62674-261121ALF			26		
	62674-281121ALF			28		
	62674-301121ALF			30		

Series	Part Number	Pitch	Orientation	Total Positions	Cable Termination	Contact Location	Plating
VLL	10051922-0810EHLF	0.50mm	Right Angle	8	ZIF	Bottom	Gold
	10051922-1210EHLF			12			
	10051922-1610EHLF			16			
	10051922-2010EHLF			20			
	10051922-2410EHLF			24			
	10051922-2810EHLF			28			
	10051922-3010EHLF			30			

FFC/FPC

▶ FFC/FPC CONNECTORS



SELECTED PART NUMBERS

Series	Part Number	Pitch	Orientation	Total Positions	Cable Termination	Contact Location/ Cable Type	Plating	Note	
HFW	HFW4R-1STAE1HLF	1.00mm	Right Angle	4	Non-ZIF	Bottom	Gold	Halogen-free	
	HFW8R-1STAE1HLF			8					
	HFW12R-1STAE1HLF			12					
	HFW14R-1STAE1HLF			14					
	HFW18R-1STAE1HLF			18					
	HFW20R-1STAE1HLF			20					
	HFW24R-1STAE1HLF			24					
	HFW28R-1STAE1HLF			28					
	HFW30R-1STAE1HLF			30					
	HFW8R-2STAE1HLF			8					
	HFW12R-2STAE1HLF			12					
	HFW14R-2STAE1HLF			14					
	HFW18R-2STAE1HLF		18						
	HFW20R-2STAE1HLF		20						
	HFW24R-2STAE1HLF		24						
	HFW28R-2STAE1HLF		28						
	HFW30R-2STAE1HLF		30						
	HFW8S-2STAE1HLF		8	Vertical		12			Top
	HFW12S-2STAE1HLF		14						
	HFW14S-2STAE1HLF		18						
	HFW18S-2STAE1HLF		20						
	HFW20S-2STAE1HLF		24						
	HFW24S-2STAE1HLF		28						
	HFW28S-2STAE1HLF		30						

Series	Part Number	Pitch	Orientation	Total Positions	Cable Termination	Contact Location/ Cable Type	Plating
SFW	SFW4R-3STE1HLF	1.00mm	Right Angle	4	Non-ZIF	Bottom with cable lock	Tin
	SFW8R-3STE1HLF			8			
	SFW12R-3STE1HLF			12			
	SFW14R-3STE1HLF			14			
	SFW18R-3STE1HLF			18			
	SFW24R-3STE1HLF			24			
	SFW30R-3STE1HLF			30			
	SFW34R-3STE1HLF			34			
	SFW4R-4STE1HLF			4			
	SFW8R-4STE1HLF			8			
	SFW12R-4STE1HLF			12			
	SFW14R-4STE1HLF			14			
	SFW18R-4STE1HLF			18			
	SFW24R-4STE1HLF			24			
	SFW30R-4STE1HLF			30			
	SFW34R-4STE1HLF			34		Top with cable lock	



SELECTED PART NUMBERS

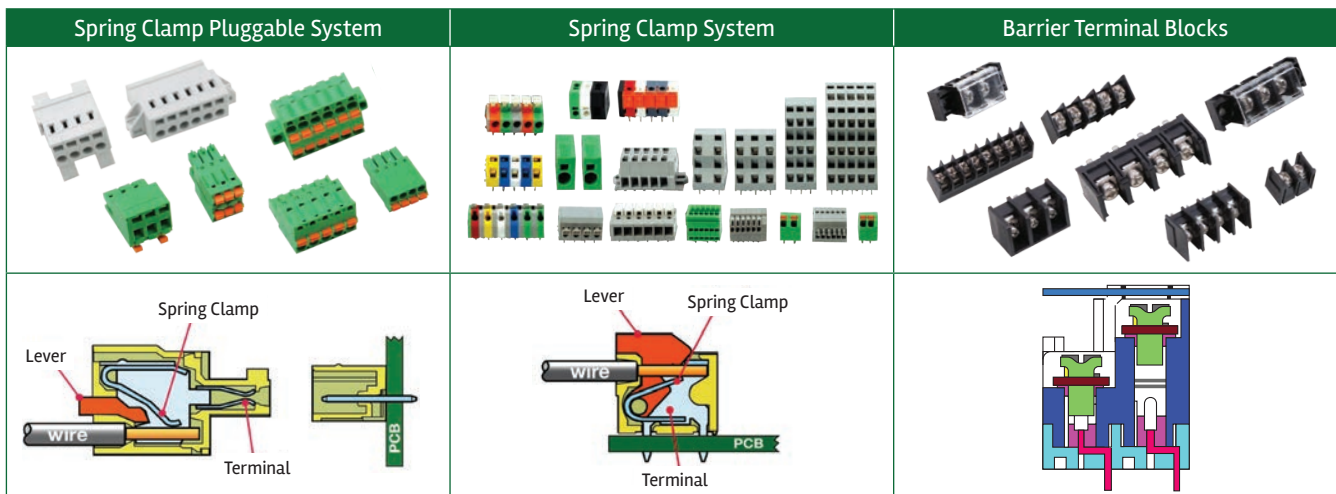
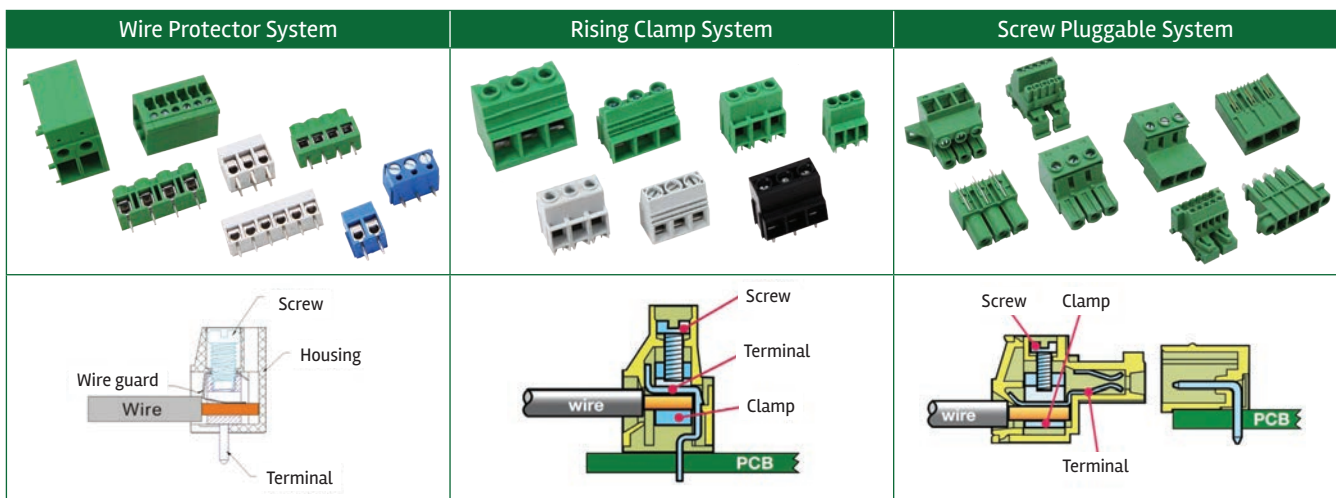
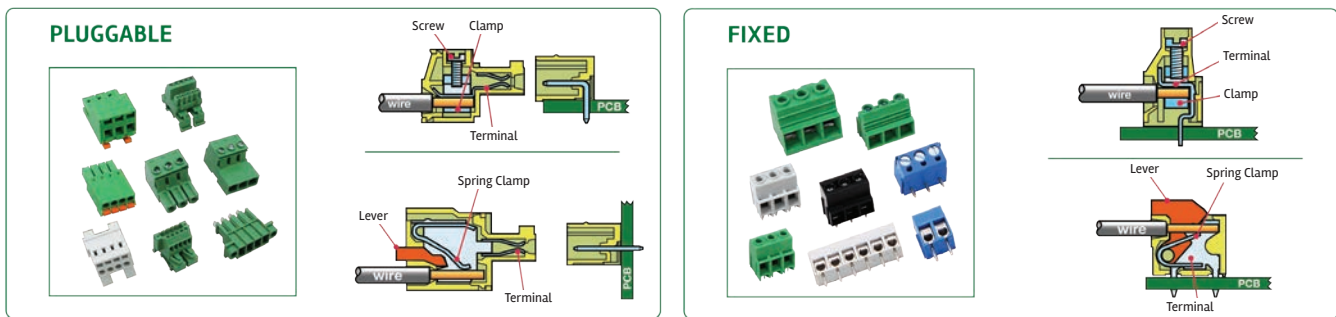
Series	Part Number	Pitch	Orientation	Total Positions	Cable Termination	Contact Location/ Cable Type	Plating
SFV-R	SFV4R-3STAE1HLF	0.50mm	Right Angle	4	ZIF	Bottom with cable lock	Gold
	SFV8R-3STAE1HLF			8			
	SFV12R-3STAE1HLF			12			
	SFV14R-3STAE1HLF			14			
	SFV18R-3STAE1HLF			18			
	SFV24R-3STAE1HLF			24			
	SFV30R-3STAE1HLF			30			
	SFV34R-3STAE1HLF			34			
	SFV4R-4STAE1HLF			4		Top with cable lock	
	SFV8R-4STAE1HLF			8			
	SFV12R-4STAE1HLF			12			
	SFV14R-4STAE1HLF			14			
	SFV18R-4STAE1HLF			18			
	SFV24R-4STAE1HLF			24			
	SFV30R-4STAE1HLF			30			
	SFV34R-4STAE1HLF			34			

PCB TERMINAL BLOCKS

RELIABLE CONNECTORS FOR DEMANDING APPLICATIONS

AFCI offers a comprehensive range of PCB terminal blocks for signal and power applications. These include wire protector, rising clamp, screw pluggable, spring clamp and spring pluggable systems, as well as barrier terminal blocks to satisfy different applications.

AFCI's PCB signal and power terminal blocks are available in both pluggable and fixed configurations. They come in different pitch and wire sizes for signal and power solutions. The proven rising-cage-clamp technology ensures long-life, reliable connections for demanding applications.



WIRE PROTECTOR SYSTEM

COMPACT, ROBUST DESIGN FOR LIGHT DUTY ENVIRONMENT

AFCI's wire protector technology has a unique design which ensures the wire can be withdrawn normally without pulling out the wire guard. This is ideal for preventing damage from rising clamps or screw terminals.

- Wire guard is pushed down by turning the screw clockwise
- Terminal is fixed in the housing and there is no lift system
- Wire protector terminal secure the wires with a flat surface instead of a screw-like surface
- Ideal for use in light duty environments



TARGET MARKETS



FEATURES

- Compact design
- Robust design
- Pitch sizes from 2.5mm to 19mm
- 200 mating cycles
- Flexible wire protector
- Large clamping space
- RoHS compliant

BENEFITS

- Space-saving
- Ensures reliable connection
- Comprehensive and flexible range for all customer needs
- High durability
- Easy to use
- Ease of installation
- Meets environmental, health and safety requirements

TECHNICAL INFORMATION

Pitch Sizes	2.50mm, 2.54mm, 3.50mm, 3.81mm, 4.50mm, 5.00mm, 5.08mm, 6.35mm, 7.50mm, 7.62mm, 9.52mm, 10.00mm, 10.16mm, 12.70mm, 15.00mm, 19.00mm
Positions	From 2 up to 24
Current Rating	From 2A up to 30A
Rated Voltage	From 300V up to 450V
Wire Size Range	From 26AWG up to 22AWG
Durability	200 mating cycles

RISING CLAMP SYSTEM

SECURE, ROBUST DESIGN FOR ACTIVE ENVIRONMENT

AFCI's rising clamp system is designed to withstand high activities and vibrations. The clamp is lifted by turning the screw clockwise and the wire is clamped between the clamp and terminal.

- Clamp is lifted by turning the screw clockwise
- Wire is clamped between the clamp and the terminal
- Single-piece connectors are commonly used in applications where there is restricted access
- Ideal for use in highly active environments



TARGET MARKETS



FEATURES

- Compact design
- Robust design
- Pitch sizes from 2.54mm to 19mm
- 200 mating cycles
- Flexible wire protector
- Large clamping space
- RoHS compliant

BENEFITS

- Space-saving
- Ensures reliable connection
- Comprehensive and flexible range for all customer needs
- High durability
- Easy to use
- Ease of installation
- Meets environmental, health and safety requirements

TECHNICAL INFORMATION

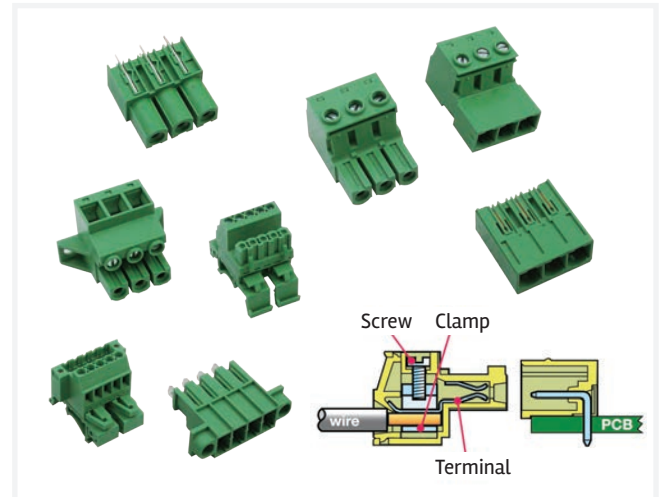
Pitch Sizes	2.54mm, 3.50mm, 3.81mm, 4.50mm, 5.00mm, 5.08mm, 6.35mm, 7.50mm, 7.62mm, 9.52mm, 10.16mm, 12.70mm, 15.00mm, 19.00mm
Positions	From 2 up to 48
Current Rating	From 6A up to 125A
Rated Voltage	From 150V up to 1000V
Wire Size Range	From 30AWG up to 18AWG
Durability	200 mating cycles

SCREW PLUGGABLE SYSTEM

SECURE, ROBUST DESIGN FOR ACTIVE ENVIRONMENT

AFCI's screw pluggable system is used primarily in wire-to-board situations. Designed to be connected or detached with ease, the plug uses the screw structure to protect and fix the wire to the contact.

- Screw structure protects the wire to the contact
- Designed to be easily connected or detached
- Ideal for use in highly active environments



TARGET MARKETS



FEATURES

- Compact design
- Robust design
- Pitch sizes from 3.5mm to 15mm
- 200 mating cycles
- Unique female contact design
- Large clamping space
- RoHS compliant

BENEFITS

- Space-saving
- Ensures reliable connection
- Comprehensive and flexible range for all customer needs
- High durability
- Prevents deformation of wire guard
- Ease of installation
- Meets environmental, health and safety requirements

TECHNICAL INFORMATION

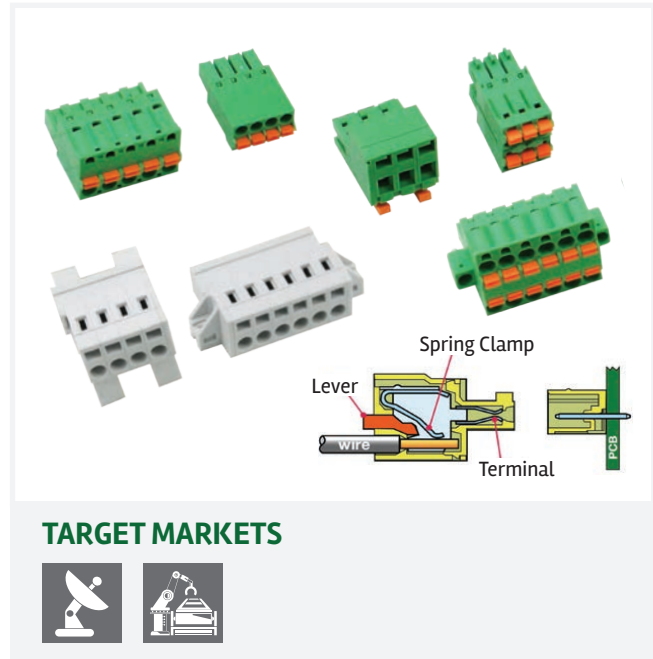
Pitch Sizes	3.50mm, 3.81mm, 5.00mm, 5.08mm, 7.50mm, 7.62mm, 9.52mm, 10.16mm, 15.00mm
Positions	From 2 up to 24
Current Rating	From 10.5A up to 125A
Rated Voltage	From 300V up to 1000V
Wire Size Range	From 30AWG up to 20AWG
Durability	200 mating cycles

SPRING CLAMP PLUGGABLE SYSTEM

QUICK, ROBUST DESIGN FOR ACTIVE ENVIRONMENT

AFCI's spring clamp pluggable system enables conductor connection without additional tools. They function like clamps where the wire is inserted into the terminal block and snapped into place. The plug uses the spring clamp to contact.

- Short assembly time
- Ideal for common appliances



TARGET MARKETS



FEATURES

- Spring technology
- Compact design
- Robust design
- Pitch sizes from 3.5mm to 15mm
- 200 mating cycles
- Flexible wire protector
- Large clamping space
- RoHS compliant

BENEFITS

- Tool-free application saves time
- Space-saving
- Ensures reliable connection
- Comprehensive and flexible range for all customer needs
- High durability
- Easy to use
- Ease of installation
- Meets environmental, health and safety requirements

TECHNICAL INFORMATION

Pitch Sizes	3.50mm, 3.81mm, 5.00mm, 5.08mm, 7.50mm, 7.62mm, 9.52mm, 10.16mm, 15.00mm
Positions	From 2 up to 48
Current Rating	From 10.5A up to 125A
Rated Voltage	From 300V up to 1000V
Wire Size Range	From 30AWG up to 20AWG
Durability	200 mating cycles

SPRING CLAMP SYSTEM

QUICK, ROBUST DESIGN FOR ACTIVE ENVIRONMENT

AFCI's spring clamp system enables conductor easy wire installation. The terminal is fixed on the PCB. It uses spring clamp to contact.

- Short assembly time
- Ideal for common appliances



FEATURES

- Spring technology
- Compact design
- Robust design
- Pitch sizes from 2.5mm to 20mm
- 200 mating cycles
- Flexible wire protector
- Large clamping space
- RoHS compliant

BENEFITS

- Tool-free application saves time
- Space-saving
- Ensures reliable connection
- Comprehensive and flexible range for all customer needs
- High durability
- Easy to use
- Ease of installation
- Meets environmental, health and safety requirements

TECHNICAL INFORMATION

Pitch Sizes	2.50mm, 2.54mm, 3.50mm, 3.81mm, 4.50mm, 5.08mm, 7.50mm, 7.62mm, 9.52mm, 10.00mm, 10.16mm, 15.00mm, 20.00mm
Positions	From 2 up to 48
Current Rating	From 3A up to 76A
Rated Voltage	From 150V up to 1000V
Wire Size Range	From 28AWG up to 22AWG
Durability	200 mating cycles

SPRING CLAMP SYSTEM– NQ 3.0 SERIES

LOW PROFILE DESIGN FOR LED APPLICATIONS

AFCI's NQ 3.0 series terminal blocks are designed based on a spring clamp system. The compact connector, with a height of 2.7mm, is designed with SMT termination. It supports power solutions with high current rating of 3A for each pin and current voltage of 150V. Black, grey, natural-colored and white housings are available for specialized use in the lighting industry.

- Extension from existing NQ 2.5 and NQ 4.0 series
- Conductor can be easily removed with a dedicated operating tool

FEATURES

- High current rating of 3A per pin and current voltage of 150V
- Wire range from 26AWG to 22AWG
- Low profile design with SMT termination
- Solid conductor can be inserted directly
- Dedicated operating tool
- Tape/Reel packaging
- RoHS compliant

TECHNICAL INFORMATION

MATERIAL

- Housing: LCP
- Spring: Copper Alloy, Tin plated

MECHANICAL PERFORMANCE

- Spring Clamp Contact
 - Pitch: 3.00mm
 - Position: 1–3 Poles

ELECTRICAL PERFORMANCE

- Voltage Rating: 150V
- Current Rating: 3A
- Wire Range: 26 to 22AWG



TARGET MARKETS



BENEFITS

- Suitable for lighting application
- Wide selection of wire sizes for customized needs
- Space-saving
- Quick and easy to assemble and install wire into terminal block
- Easy removal of conductor
- Supports automated assembly
- Meets environmental, health and safety requirements

SPECIFICATIONS

- Product Specification: GS-12-625
- Packaging Specification: GS-14-1394

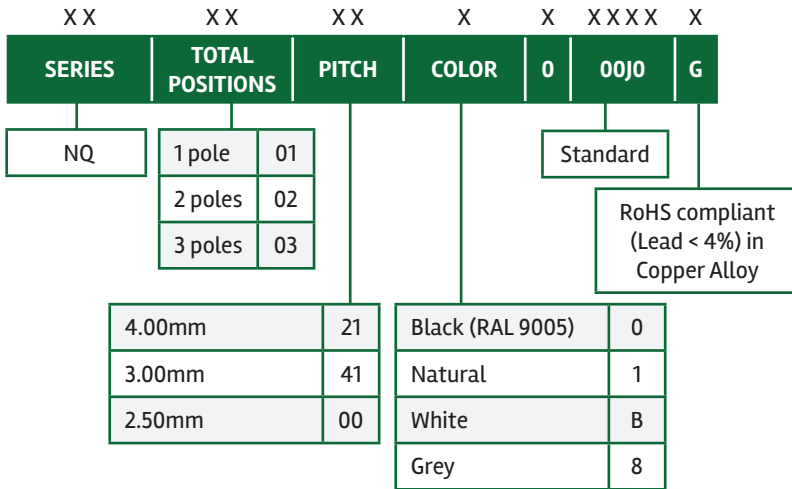
APPROVALS AND CERTIFICATIONS

- UL Approvals
- RoHS compliant

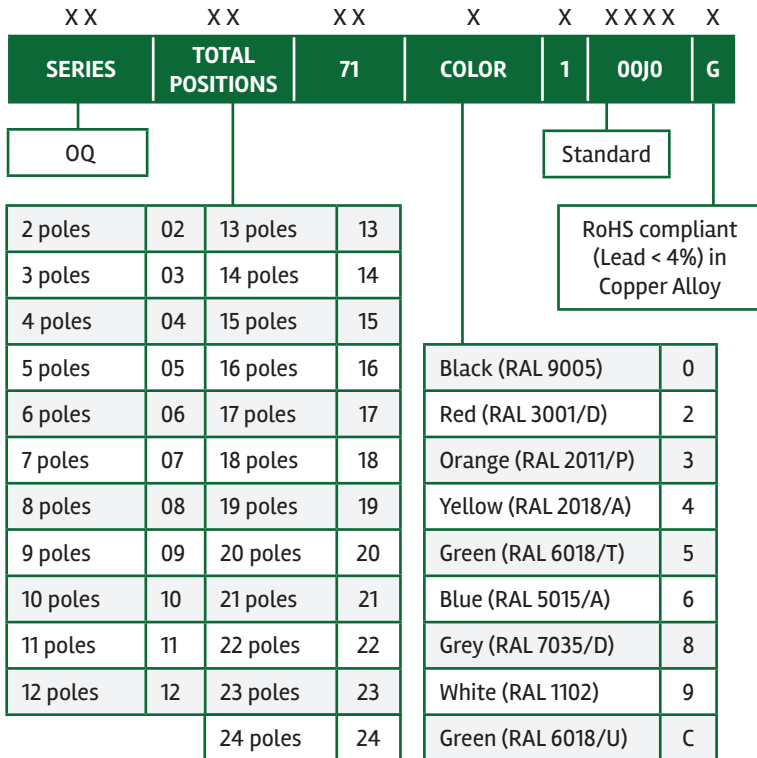
PACKAGING

- Carton
- Tape/Reel

PART NUMBER SELECTOR– NQ SERIES



PART NUMBER SELECTOR– OQ SERIES



▶ SPRING CLAMP SYSTEM

PART NUMBER SELECTOR– TJ SERIES

SERIES	TOTAL POSITIONS	51	COLOR	3	00J0	G
TJ				Standard		
2 poles	02	13 poles	13	RoHS compliant (Lead < 4%) in Copper Alloy		
3 poles	03	14 poles	14			
4 poles	04	15 poles	15			
5 poles	05	16 poles	16			
6 poles	06	17 poles	17			
7 poles	07	18 poles	18			
8 poles	08	19 poles	19			
9 poles	09	20 poles	20			
10 poles	10	21 poles	21			
11 poles	11	22 poles	22			
12 poles	12	23 poles	23			
		24 poles	24			
		Black (RAL 9005)				
		Red (RAL 3001/D)		2		
		Orange (RAL 2011/P)		3		
		Yellow (RAL 2018/A)		4		
		Green (RAL 6018/T)		5		
		Blue (RAL 5015/A)		6		
		Grey (RAL 7035/D)		8		
		White (RAL 1102)		9		
		Green (RAL 6018/U)		C		

CORE RANGE SELECTED PART NUMBERS

Base Part Number	Part Number	Positions	Pitch	Color	Technology
NQxx21x000J0G	NQ01211000J0G	01	4.0mm	Natural	Spring
	NQ02211000J0G	01			
	NQ03211000J0G	03			
NQxx41x000J0G	NQ01411000J0G	01	3.0mm	Natural	Spring
	NQ02411000J0G	02			
	NQ03411000J0G	03			

PRIORITY PART SELECTED PART NUMBERS

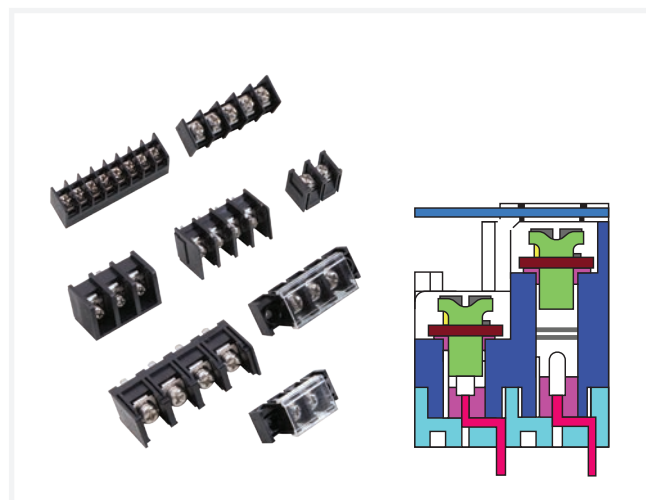
Base Part Number	Part Number	Positions	Pitch	Color	Technology
OQxx71x100J0G	OQ02715100J0G	01	5.00mm	Green	Pluggable Socket, Right Angle
	OQ03715100J0G	01			
	OQ04715100J0G	03			
	OQ05715100J0G	05			
	OQ06715100J0G	06			
TJxx51x300J0G	TJ02515300J0G	02	5.08mm	Green	Pluggable Plug, Down side contacts
	TJ03515300J0G	03			
	TJ04515300J0G	04			
	TJ05515300J0G	05			
	TJ06515300J0G	06			

BARRIER TERMINAL BLOCKS

QUICK, ROBUST DESIGN FOR ACTIVE ENVIRONMENT

AFCI's barrier terminal blocks reduces assembly cost and improves interconnect performance. A wide variety of screw, terminal and mounting options satisfies multiple applications. Barrier terminal blocks come in cover type, PCB type, closed barrier type and pluggable type.

- Screw, terminal and mounting options
- Cover type, PCB type, closed barrier type and pluggable type



TARGET MARKETS



FEATURES

- Modular system
- Compact design
- Robust design
- Pitch sizes from 7.62mm to 16mm
- Selection of wire-to-board or feed-through wire-to-wire styles
- RoHS compliant

BENEFITS

- Tool-free application saves time
- Space-saving
- Ensures reliable connection
- Comprehensive and flexible range for all customer needs
- Offers design flexibility
- Meets environmental, health and safety requirements

TECHNICAL INFORMATION






Pitch Sizes	7.62mm, 9.52mm, 10.00mm, 10.16mm, 16.00mm
Positions	From 2 up to 30
Current Rating	Up to 20A
Rated Voltage	Up to 300V
Wire Size Range	From 28AWG up to 22AWG
Insulation Withstanding Voltage	Up to AC 2000V/min.
Insulation Resistance	Up to 1000MΩ or more than DC500V

D-SUBMINIATURE CONNECTORS

RELIABLE CONNECTORS FOR HARSH ENVIRONMENTS

AFCI offers a comprehensive range of D-Subminiature (D-Sub) connectors. There are 10 product categories from standard to high density, high performance to economy range and full power to mixed power versions. High customization is possible with its wide range. D-Sub solutions meet all the design requirements for applications in harsh environments, such as military applications.

D-Sub power connectors are specifically developed for telecom market segments and power applications in the industry. PC board connectors are delivered with preloaded power contacts capable of current rating from 10A to 40A. Cable crimp and solder power contacts comes with color coded plastic clips for easy wire range size identification.

D-Sub Standard Board Mount	D-Sub Cable Connectors	D-Sub Density Board Mount	D-Sub Power Board Mount
			
High Performance D-Sub Power Board Mount	D-Sub Economy Range Board Mount	D-Sub MicroTCA® Connectors	D-Sub Accessories
			
D-Sub Pin-in-Paste Connectors	D-Sub Press-fit Connectors	Filtered D-Sub	
			

TARGET MARKETS



► D-SUBMINIATURE CONNECTORS

TECHNICAL INFORMATION

Mating Orientation	Right Angle or Vertical
Speed	Cat 3: up to 16MHz Cat 5: up to 100MHz
Plating	Active Area: Gold over Nickel Termination Area: Tin over Nickel
Current Rating	5A max. per contact
Dielectric Withstanding Voltage	1000Vms
Voltage Rating	300Vms
Insulation Resistance	≤ 10MΩ
Contact Resistance	≤ 10mΩ

FEATURES

- Compact-D design
- Press-fit and pin-in-paste versions are available for selected layouts
- Various PCB mounting and panel mounting accessory options
- Right angle versions available to meet both Europe and US styles
- Pin-in-Paste connectors
- Has a D-shaped shell design
- RoHS compliant, lead-free and halogen-free

BENEFITS

- Solves increasing need for higher density packaging
- Allows easy press-fit and secured mounting
- Supports various design needs
- Fits into footprint and pitch options of 7.2mm & 2.54mm and 6.3mm & 2.84mm
- Ensures more stable process as it does not need constant adjustment once set-up
- Supports the need for polarization
- Meets environmental, health and safety requirements

CORE RANGE SELECTED PART NUMBERS

Part Number	Number of Pins	Configuration	Gender	Notes	Mechanical Performance
LD09P24A4GV00LF	9	Straight Spill	Male	-	50 mating cycles
LD09S24A4GV00LF			Female		
LD09P24A4GX00LF			Male		
LD09S24A4GX00LF			Female		
LD15P24A4GV00LF	15	Straight Spill	Male	-	50 mating cycles
LD15S24A4GV00LF			Female		
LD09P13A4GV00LF	9	Right Angle EU Styles	Male	-	50 mating cycles
LD09S13A4GV00LF			Female		
LD09P13A4GX00LF			Male		
LD09S13A4GX00LF			Female		
LD09P33E4GV00LF	9	Right Angle EU Styles	Male	-	50 mating cycles
LD09S33E4GV00LF			Female		
LD09S33E4GX00LF			Male		
LD09P33E4GX00LF			Female		
ICD15S13E4GV00LF	15	Right Angle EU Styles	Female	-	200 mating cycles
ICD15S13E4GX00LF					
8630CH09UNCLF	9	-	-	-	-
8630CH15UNCLF	15				
863093C09ALF	9				
863093C15ALF	15				
10090926-P156VLF	15	Vertical	Female	High Density	-
10090926-P156VLF		Right Angle	Male		
8655MH0911LF	-	-	-	Accessories	-
8655MH1511LF					
8655MH0901BLF					
8655MH1501BLF					
86303637BLF					
86303638BLF					

► D-SUBMINIATURE CONNECTORS



SELECTED PART NUMBERS

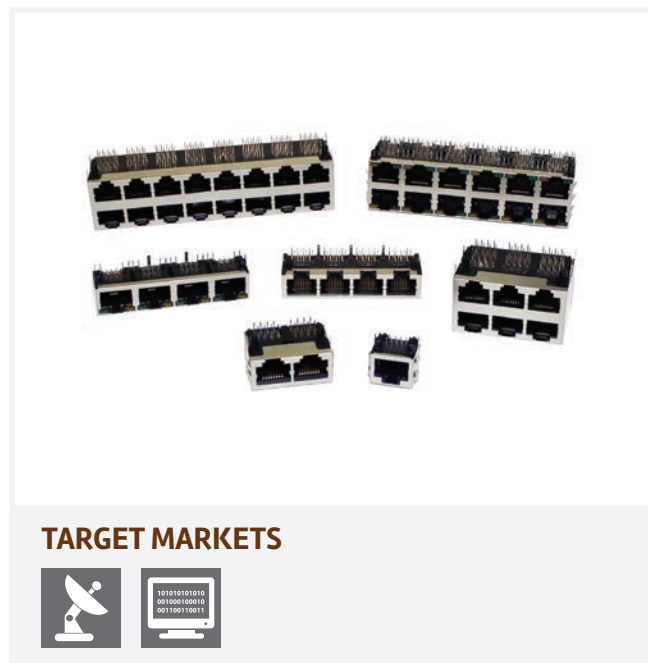
Part Number	Number of Pins	Configuration	Gender	Notes	Mechanical Performance
DE09P064TXLF	9	-	Male	-	200 mating cycles
DE09S064TLF			Female		
DB25P064TXLF	25	-	Male	-	200 mating cycles
DB25S064TLF			Female		
DA15P064TXLF	15	-	Male	-	200 mating cycles
DA15S064TLF			Female		
LD25P24A4GV00LF	25	Straight Spill	Male	-	200 mating cycles
LD25S24A4GV00LF			Female		
865609PLTXLF	9	-	-	9 Pin Crimp Cable Connector, Male	200 mating cycles
865609SLTLF				9 Pin Crimp Cable Connector, Female	
865625PLTXLF	25	-	-	25 Pin Crimp Cable Connector, Male	200 mating cycles
865625SLTLF				25 Pin Crimp Cable Connector, Female	
865615PLTXLF	15	-	-	15 Pin Crimp Cable Connector, Male	200 mating cycles
865615SLTLF				15 Pin Crimp Cable Connector, Female	
86564520064LF	-	-	-	Crimp Contacts, 24 to 20 AWG, Male	200 mating cycles
86566520064LF				Crimp Contacts, 24 to 20 AWG, Female	
86564510064LF	-	-	-	Crimp Contacts, 28 to 24 AWG, Male	-
86566510064LF				Crimp Contacts, 28 to 24 AWG, Female	
863093C09MLF	9	-	-	9 Pos Universal Hood Metallised	-
863093C15MLF	15			15 Pos Universal Hood Metallised	
70523CLF	-	-	-	Plastic Dust Cap for 9 Pin Female	-
70518CLF				Plastic Dust Cap for 9 Pin Male	
86553113TLF	-	-	-	Metal Cap	-
86553114TLF					
8655MH2511LF	-	-	-	Common Metal Hood (Straight)	-
8655MH3711LF					
8655MH2501BLF					
8655MHRA1501LF				Metal Hood (Right Angle)	
86303639BLF				Common Hood Plastic, 25 Pos	
8638PPS4005LF	-	-	-	Match with DA3W or DA7W.. DB5W	-
8638PSS4005LF					
8638PSS2005LF					
8638PPC1005LF					
8638PSC2005LF					
8638PSS1005LF					
8638PPS2005LF					
8638PPS1005LF					
DA3W3SA00LF	-	-	-	Match with 5KYF- Power Contact	-
DA7W2SA00LF					
DA7W2PA00LF					
DB5W5PA00LF					

MODULAR JACK CONNECTORS

ROBUST MODULAR SYSTEM

AFCI's modular jack connectors include single and multi-port solutions that are widely used in telecom, data, networking and home entertainment markets. It features a simple, flexible and low profile design for LAN application. Cat 3 and Cat 5 designs are available.

- Right angle and vertical configurations
- Through hole and surface mount termination
- 4, 6 and 8 positions



FEATURES

- Right angle and vertical configurations with 4, 6, 8 positions
- SMT termination
- Selective loading and one piece design
- Stackable side by side
- Cat 3 design
- Cat 5 design
- High temperature material
- Low profile version
- RoHS compliant

BENEFITS

- Suitable for a variety of applications
- Suitable for FFC/FPC/CIC cables
- Easy to use
- Ease of installation
- Suitable for low speed networking applications
- Suitable for high speed Gigabit Ethernet applications
- Able to withstand reflow soldering process
- Accommodates low profile panel cut-outs
- Meets environmental, health and safety requirements

▶ MODULAR JACK CONNECTORS

TECHNICAL INFORMATION

MATERIAL

- Housing: Glass-filled, Self extinguishing Thermoplastic
- Flammability Rating: UL94V-0
- Pin: Copper Alloy
- Plating: Au or GXT® over 1.27µm Nickel

MECHANICAL PERFORMANCE

- Pin Retention to Housing: 10N min.
- Durability: 250 to 2500 mating cycles

ENVIRONMENTAL

- Operating Temperature: -65°C to +125°

ELECTRICAL PERFORMANCE

- Current Rating: 3A continuous
- Insulation Resistance: 500MΩ min
- Dielectric Withstanding Voltage: 1500V min.

SPECIFICATION

- Product Specification: Refer to drawing
- Packaging Specification: Refer to drawing

PACKAGING

- Tray
- Tape/Reel

APPROVALS AND CERTIFICATIONS

- RoHS: this product is compatible according to the European Union Directive 2011/65/EU

PART NUMBERS

Single Port Cat3	Termination	Positions	Pegs	Base Part Number
Right Angle	Through Hole (TH)	4,6,8 4,6 8,10	Snap Snap Snap	87180 / 54601 / 88400 (66010/66011-inverted) / 54602
	Surface Mount (SMT)	4 6 8		73306 73305 73304
Vertical	Through Hole (TH)	4 4 6 6 8	Snap Diamond Snap Diamond Diamond	90511 69253 90512 / 10037501 69254 69255
	Surface Mount (SMT)	4 6 8		87543 / 98431 87545 / 98432 / 98433 (keyed)

Single Port Cat3	Termination	Ports	Shield	Base Part Number
Right Angle	Through Hole (TH)	4,8	Yes	94910
		2, 4, 7, 8	No	94911
		2 (6P + 6P) 2x4 (Stacked)	No Yes	10053565 74633
Vertical	Through Hole (TH)	3 (4P+4P+6P)	No	92266

Single Port Cat5	Termination	Ports	Shield	Base Part Number
Right Angle	Through Hole (TH)	4, 8 (Filter)	Yes	95672
		4, 8	Yes	95678
		2, 4, 6, 8	No	95679

CORE RANGE SELECTED PART NUMBERS

Part Number	Description	Speed	Positions
54602-910LF	Single port, Right Angle, Through Hole	Cat 3	10
54601-908WPLF	Single port, Right Angle, Through Hole	Cat 3	8
54601-906WPLF	Single port, Right Angle, Through Hole	Cat 3	6
54601-906002WPLF	Single port, Right Angle, Through Hole	Cat 3	6
95672-001LF	Single port, Right Angle, Through Hole	Cat 5	8
95679-001LF	Single port, Right Angle, Through Hole	Cat 5	8

PRIORITY PART SELECTED PART NUMBERS

Part Number	Description	Speed	Positions
66011-006LF	Single port, Right Angle, Through Hole	Cat 3	6
66010-004LF	Single port, Right Angle, Through Hole	Cat 3	4
54602-908LF	Single port, Right Angle, Through Hole	Cat 3	10
54601-906001WPLF	Single port, Right Angle, Through Hole	Cat 3	6

CABLE ASSEMBLIES

AFCI is a leading supplier of industry standard and application-specific cable assemblies. Our products are designed to support high speed transmissions of electrical, power, and optical signals for different applications in the market. Customized, professional-grade cable assemblies are also supported by our flexible manufacturing capabilities from design to production.

▶ OUR VALUE PROPOSITION






CRIMP-TO-WIRE

Products	Pitch (mm)	Configuration	Wire Range (AWG)
 Minitek® Pwr 4.2	4.20	Dual Row, 2 to 24 positions	28 to 16
 Minitek® Pwr 3.0	3.00	Dual Row, 2 to 24 positions	30 to 20
 Dubox® 2.54mm	2.54	Dual Row, 2 to 36 positions	30 to 20
 PV® 2.54mm	2.54	Dual Row, 2 to 36 positions	32 to 18
 Minitek® 2.00mm	2.00	Dual Row, 2 to 50 positions	30 to 26
 Minitek® 1.50mm	1.50	Dual Row, 2 to 15 positions	28 to 24
 Crimp-to-Wire 1.25mm	1.25	Dual Row, 2 to 15 positions	32 to 28
 Crimp-to-Wire 1.20mm	1.20	Dual Row, 3, 4 to 6 positions	32 to 28

▶ CABLE ASSEMBLIES

INSULATION DISPLACEMENT CONTACT

Products	Pitch (mm)	Configuration	Wire Range (AWG)
 <p>Quickie® 2.54mm</p>	2.54	Dual Row, 2 to 64 positions, with strain relief option	28 to 26
 <p>Minitek® 2.0mm</p>	2.00	Dual Row, 6 to 50 positions, with strain relief option	30 to 26
 <p>Minitek® 1.27mm</p>	1.27	Dual Row, 6 to 26 positions	30

INPUT/OUTPUT

Products	Configuration	Speed
 <p>D-Subminiature</p>	Standard, High density, Power, Mixed Power, Hybrid and Customized	-
 <p>Latch-N-Lok™/USB+ Power (Standard USB+ power to Latch-N-Lok connector)</p>	Latch-N-Lok™: 1x8, 2x4 and 2x6 options USB+ Power: 12V and 24V options 20 and 28AWG wires in shielded raw cable	-
 <p>USB 2.0</p>	Standard, Mini and Micro	480Mb/s
 <p>USB 3.0 and Micro 3.0</p>	Standard and Micro	5Gb/s
 <p>USB 3.1 Type C Gen 1</p>	Type C	5Gb/s
 <p>USB 3.1 Type C Gen 2</p>	Type C	10Gb/s

CONTACT US NOW FOR YOUR CABLE ASSEMBLY SOLUTIONS!

AFCI offers a wide range of internal and external wire-to-board and wire-to-wire cable solutions. We cater and optimize cable solutions according to your specific needs and requirements. Fill in the form below and send it to basics@fci.com for a discussion now!

Cable

Termination 1 Termination 2

Termination 1
Specifications:

Termination 2
Specifications:

Cable					
Discrete Wire		Flat Cable/Ribbon		FFC/FPC	
Wire Range (AWG)		Wire Range (AWG)		Pitch (mm)	
Pitch (mm)		Pitch (mm)			
Circuit Count		Circuit Count		Circuit Count	
UL no.		UL no.			

PART NUMBER INDEX

Part Numbers	Description	Core or Priority	Page
10127716-02LF	Minitek Pwr 3.0 Receptacle Housing, Dual Row, 2 Pos	Core Range	21
10127716-08LF	Minitek Pwr 3.0 Receptacle Housing, Dual Row, 8 Pos	Core Range	21
10127716-16LF	Minitek Pwr 3.0 Receptacle Housing, Dual Row, 16 Pos	Core Range	21
10127716-24LF	Minitek Pwr 3.0 Receptacle Housing, Dual Row, 24 Pos	Core Range	21
10127717-02LF	Minitek Pwr 3.0 Header Housing, Dual Row, 2 Pos	Core Range	21
10127718-001LF	Minitek Pwr 3.0 Receptacle Terminal	Core Range	21
10127718-002PLF	Minitek Pwr 3.0 Receptacle Terminal	Core Range	21
10127719-001LF	Minitek Pwr 3.0 Header Terminal	Core Range	21
10127720-021LF	Minitek Pwr 3.0 RA Header, Dual Row, 2 Pos	Core Range	21
10127720-081LF	Minitek Pwr 3.0 RA Header, Dual Row, 8 Pos	Core Range	21
10127720-242LF	Minitek Pwr 3.0 RA Header, Dual Row, 24 Pos	Core Range	21
10127721-021LF	Minitek Pwr 3.0 VT Header, Dual Row, 2 Pos	Core Range	21
10127721-081LF	Minitek Pwr 3.0 VT Header, Dual Row, 8 Pos	Core Range	21
10127721-082LF	Minitek Pwr 3.0 VT Header, Dual Row, 8 Pos	Core Range	21
10127721-242LF	Minitek Pwr 3.0 VT Header, Dual Row, 24 Pos	Core Range	21
10127815-02LF	Minitek Pwr 4.2 Receptacle Housing, Dual Row, 2 Pos	Core Range	21
10127815-04LF	Minitek Pwr 4.2 Receptacle Housing, Dual Row, 4 Pos	Core Range	21
10127815-12LF	Minitek Pwr 4.2 Receptacle Housing, Dual Row, 12 Pos	Core Range	21
10127816-02LF	Minitek Pwr 4.2 Header Housing, Dual Row, 2 Pos	Core Range	21
10127817-122LF	Minitek Pwr 4.2 Receptacle Terminal	Core Range	21
10127817-221LF	Minitek Pwr 4.2 Receptacle Terminal	Core Range	21
10127818-121LF	Minitek Pwr 4.2 Header Terminal	Core Range	21
10127819-12121LF	Minitek Pwr 4.2 RA Header, Dual Row, 12 Pos	Core Range	21
10127819-12121PLF	Minitek Pwr 4.2 RA Header, Dual Row, 12 Pos	Core Range	21
10127820-0422LF	Minitek Pwr 4.2 VT Header, Dual Row, 4 Pos	Core Range	21
10127820-1221LF	Minitek Pwr 4.2 VT Header, Dual Row, 12 Pos	Core Range	21
NQ01211000JOG	4.00mm TB Spring Clamp SMT, 1 Pos	Core Range	110
NQ02211000JOG	4.00mm TB Spring Clamp SMT, 2 Pos	Core Range	110
NQ03211000JOG	4.00mm TB Spring Clamp SMT, 3 Pos	Core Range	110
NQ01411000JOG	3.00mm TB Spring Clamp SMT, 1 Pos	Core Range	110
NQ02411000JOG	3.00mm TB Spring Clamp SMT, 2 Pos	Core Range	110
NQ03411000JOG	3.00mm TB Spring Clamp SMT, 3 Pos	Core Range	110
OQ02715100JOG	5.00mm TB Spring Clamp SMT, 2 Pos	Priority Part	110
OQ03715100JOG	5.00mm TB Spring Clamp SMT, 3 Pos	Priority Part	110
OQ04715100JOG	5.00mm TB Spring Clamp SMT, 4 Pos	Priority Part	110
OQ05715100JOG	5.00mm TB Spring Clamp SMT, 5 Pos	Priority Part	110
OQ06715100JOG	5.00mm TB Spring Clamp SMT, 6 Pos	Priority Part	110
TJ02515300JOG	5.08mm TB Pluggable Plug, Downside, 2 Pos	Priority Part	110
TJ03515300JOG	5.08mm TB Pluggable Plug, Downside, 3 Pos	Priority Part	110
TJ04515300JOG	5.08mm TB Pluggable Plug, Downside, 4 Pos	Priority Part	110
TJ05515300JOG	5.08mm TB Pluggable Plug, Downside, 5 Pos	Priority Part	110
TJ06515300JOG	5.08mm TB Pluggable Plug, Downside, 6 Pos	Priority Part	110
69830-006LF	Quickie 2.54mm IDC Header, Dual Row, 6 Pos	Core Range	52
69830-008LF	Quickie 2.54mm IDC Header, Dual Row, 8 Pos	Core Range	52
69830-010LF	Quickie 2.54mm IDC Header, Dual Row, 10 Pos	Core Range	52
69830-012LF	Quickie 2.54mm IDC Header, Dual Row, 12 Pos	Core Range	52
69830-016LF	Quickie 2.54mm IDC Header, Dual Row, 16 Pos	Core Range	52
69830-020LF	Quickie 2.54mm IDC Header, Dual Row, 20 Pos	Core Range	52
71600-006LF	Quickie 2.54mm IDC Receptacle, Dual Row, 6 Pos	Core Range	51
71600-008LF	Quickie 2.54mm IDC Receptacle, Dual Row, 8 Pos	Core Range	51
71600-010LF	Quickie 2.54mm IDC Receptacle, Dual Row, 10 Pos	Core Range	51
71600-014LF	Quickie 2.54mm IDC Receptacle, Dual Row, 14 Pos	Core Range	51
71600-016LF	Quickie 2.54mm IDC Receptacle, Dual Row, 16 Pos	Core Range	51
71600-018LF	Quickie 2.54mm IDC Receptacle, Dual Row, 18 Pos	Core Range	51
71600-020LF	Quickie 2.54mm IDC Receptacle, Dual Row, 20 Pos	Core Range	51
71600-024LF	Quickie 2.54mm IDC Receptacle, Dual Row, 24 Pos	Core Range	51
71600-026LF	Quickie 2.54mm IDC Receptacle, Dual Row, 26 Pos	Core Range	51
71600-030LF	Quickie 2.54mm IDC Receptacle, Dual Row, 30 Pos	Core Range	51
71600-034LF	Quickie 2.54mm IDC Receptacle, Dual Row, 34 Pos	Core Range	51
71600-108LF	Quickie 2.54mm IDC Receptacle, Dual Row, 8 Pos, No Strain Relief	Core Range	51
71600-110LF	Quickie 2.54mm IDC Receptacle, Dual Row, 10 Pos, No Strain Relief	Core Range	51

Part Numbers	Description	Core or Priority	Page
71600-114LF	Quickie 2.54mm IDC Receptacle, Dual Row, 14 Pos, No Strain Relief	Core Range	51
71600-116LF	Quickie 2.54mm IDC Receptacle, Dual Row, 16 Pos, No Strain Relief	Core Range	51
71600-118LF	Quickie 2.54mm IDC Receptacle, Dual Row, 18 Pos, No Strain Relief	Core Range	51
71600-120LF	Quickie 2.54mm IDC Receptacle, Dual Row, 20 Pos, No Strain Relief	Core Range	51
71600-124LF	Quickie 2.54mm IDC Receptacle, Dual Row, 24 Pos, No Strain Relief	Core Range	51
71600-126LF	Quickie 2.54mm IDC Receptacle, Dual Row, 26 Pos, No Strain Relief	Core Range	51
71600-130LF	Quickie 2.54mm IDC Receptacle, Dual Row, 30 Pos, No Strain Relief	Core Range	51
71600-134LF	Quickie 2.54mm IDC Receptacle, Dual Row, 34 Pos, No Strain Relief	Core Range	51
71918-106LF	Quickie 2.54mm Eject Latch Header, VT, 6 Pos	Core Range	49
71918-108LF	Quickie 2.54mm Eject Latch Header, VT, 8 Pos	Core Range	49
71918-110LF	Quickie 2.54mm Eject Latch Header, VT, 10 Pos	Core Range	49
71918-114LF	Quickie 2.54mm Eject Latch Header, VT, 14 Pos	Core Range	49
71918-116LF	Quickie 2.54mm Eject Latch Header, VT, 16 Pos	Core Range	49
71918-118LF	Quickie 2.54mm Eject Latch Header, VT, 18 Pos	Core Range	49
71918-120LF	Quickie 2.54mm Eject Latch Header, VT, 20 Pos	Core Range	49
71918-126LF	Quickie 2.54mm Eject Latch Header, VT, 26 Pos	Core Range	49
71918-130LF	Quickie 2.54mm Eject Latch Header, VT, 30 Pos	Core Range	49
71918-134LF	Quickie 2.54mm Eject Latch Header, VT, 34 Pos	Core Range	49
75869-301LF	Quickie 2.54mm Shrouded Header, VT, Low Profile, 10 Pos	Core Range	47
75869-302LF	Quickie 2.54mm Shrouded Header, VT, Low Profile, 14 Pos	Core Range	47
75869-303LF	Quickie 2.54mm Shrouded Header, VT, Low Profile, 16 Pos	Core Range	47
75869-304LF	Quickie 2.54mm Shrouded Header, VT, Low Profile, 20 Pos	Core Range	47
75869-305LF	Quickie 2.54mm Shrouded Header, VT, Low Profile, 26 Pos	Core Range	47
75869-306LF	Quickie 2.54mm Shrouded Header, VT, Low Profile, 34 Pos	Core Range	47
75869-330LF	Quickie 2.54mm Shrouded Header, VT, Low Profile, 4 Pos	Core Range	47
75869-331LF	Quickie 2.54mm Shrouded Header, VT, Low Profile, 6 Pos	Core Range	47
75869-332LF	Quickie 2.54mm Shrouded Header, VT, Low Profile, 8 Pos	Core Range	47
71918-210LF	Quickie 2.54mm Eject Latch Header, VT, Low Profile, 10 Pos	Priority Part	49
71918-214LF	Quickie 2.54mm Eject Latch Header, VT, Low Profile, 14 Pos	Priority Part	49
71918-216LF	Quickie 2.54mm Eject Latch Header, VT, Low Profile, 16 Pos	Priority Part	49
71918-220LF	Quickie 2.54mm Eject Latch Header, VT, Low Profile, 20 Pos	Priority Part	49
71918-226LF	Quickie 2.54mm Eject Latch Header, VT, Low Profile, 26 Pos	Priority Part	49
71918-234LF	Quickie 2.54mm Eject Latch Header, VT, Low Profile, 34 Pos	Priority Part	49
71922-106LF	Quickie 2.54mm Eject Latch Header, RA, 6 Pos	Priority Part	49
71922-110LF	Quickie 2.54mm Eject Latch Header, RA, 10 Pos	Priority Part	49
71922-114LF	Quickie 2.54mm Eject Latch Header, RA, 14 Pos	Priority Part	49
71922-116LF	Quickie 2.54mm Eject Latch Header, RA, 16 Pos	Priority Part	49
71922-120LF	Quickie 2.54mm Eject Latch Header, RA, 20 Pos	Priority Part	49
71922-126LF	Quickie 2.54mm Eject Latch Header, RA, 26 Pos	Priority Part	49
71922-134LF	Quickie 2.54mm Eject Latch Header, RA, 34 Pos	Priority Part	49
71922-210LF	Quickie 2.54mm Eject Latch Header, RA, Low Profile, 10 Pos	Priority Part	49
71922-214LF	Quickie 2.54mm Eject Latch Header, RA, Low Profile, 14 Pos	Priority Part	49
71922-216LF	Quickie 2.54mm Eject Latch Header, RA, Low Profile, 16 Pos	Priority Part	49
71922-220LF	Quickie 2.54mm Eject Latch Header, RA, Low Profile, 20 Pos	Priority Part	49
71922-226LF	Quickie 2.54mm Eject Latch Header, RA, Low Profile, 26 Pos	Priority Part	49

Part Numbers	Description	Core or Priority	Page	Part Numbers	Description	Core or Priority	Page
71922-230LF	Quickie 2.54mm Eject Latch Header, RA, Low Profile, 30 Pos	Priority Part	49	57202-F52-04ALF	Minitek 2.00mm Unshrouded Header, VT, Dual Row, SMT, 8 Pos	Priority Part	64
75867-301LF	Quickie 2.54mm Shrouded Header, RA, Low Profile, 10 Pos	Priority Part	47	57202-F52-05ALF	Minitek 2.00mm Unshrouded Header, VT, Dual Row, SMT, 10 Pos	Priority Part	64
75867-302LF	Quickie 2.54mm Shrouded Header, RA, Low Profile, 14 Pos	Priority Part	47	57202-F52-06ALF	Minitek 2.00mm Unshrouded Header, VT, Dual Row, SMT, 12 Pos	Priority Part	64
75867-303LF	Quickie 2.54mm Shrouded Header, RA, Low Profile, 16 Pos	Priority Part	47	57202-F52-07ALF	Minitek 2.00mm Unshrouded Header, VT, Dual Row, SMT, 14 Pos	Priority Part	64
75867-304LF	Quickie 2.54mm Shrouded Header, RA, Low Profile, 20 Pos	Priority Part	47	57202-F52-08ALF	Minitek 2.00mm Unshrouded Header, VT, Dual Row, SMT, 16 Pos	Priority Part	64
75867-305LF	Quickie 2.54mm Shrouded Header, RA, Low Profile, 26 Pos	Priority Part	47	57202-F52-09ALF	Minitek 2.00mm Unshrouded Header, VT, Dual Row, SMT, 18 Pos	Priority Part	64
75867-306LF	Quickie 2.54mm Shrouded Header, RA, Low Profile, 34 Pos	Priority Part	47	57202-F52-10ALF	Minitek 2.00mm Unshrouded Header, VT, Dual Row, SMT, 20 Pos	Priority Part	64
75867-330LF	Quickie 2.54mm Shrouded Header, RA, Low Profile, 4 Pos	Priority Part	47	57202-F52-11ALF	Minitek 2.00mm Unshrouded Header, VT, Dual Row, SMT, 22 Pos	Priority Part	64
75867-331LF	Quickie 2.54mm Shrouded Header, RA, Low Profile, 6 Pos	Priority Part	47	57202-F52-12ALF	Minitek 2.00mm Unshrouded Header, VT, Dual Row, SMT, 24 Pos	Priority Part	64
75867-332LF	Quickie 2.54mm Shrouded Header, RA, Low Profile, 8 Pos	Priority Part	47	77138-001LF	Minitek 2.00mm CTW Contact	Core Range	73
10127850-001LF	Gripset, Terminals	Core Range	24	77138-101LF	Minitek 2.00mm CTW Contact	Core Range	73
10131832	Gripset Insertion Tool	Core Range	24	89361-106LF	Minitek 2.00mm IDC Receptacle, Dual Row, 6 Pos	Core Range	75
55510-304TRLF	Minitek 2.00mm Receptacle, Dual Row, 4 Pos	Core Range	68	89361-108LF	Minitek 2.00mm IDC Receptacle, Dual Row, 8 Pos	Core Range	75
55510-306TRLF	Minitek 2.00mm Receptacle, Dual Row, 6 Pos	Core Range	68	89361-110LF	Minitek 2.00mm IDC Receptacle, Dual Row, 10 Pos	Core Range	75
55510-308TRLF	Minitek 2.00mm Receptacle, Dual Row, 8 Pos	Core Range	68	89361-112LF	Minitek 2.00mm IDC Receptacle, Dual Row, 12 Pos	Core Range	75
55510-310TRLF	Minitek 2.00mm Receptacle, Dual Row, 10 Pos	Core Range	68	89361-706LF	Minitek 2.00mm IDC Receptacle, Dual Row, 6 Pos, With Center Key	Core Range	75
55510-312TRLF	Minitek 2.00mm Receptacle, Dual Row, 12 Pos	Core Range	68	89361-708LF	Minitek 2.00mm IDC Receptacle, Dual Row, 8 Pos, With Center Key	Core Range	75
55510-316TRLF	Minitek 2.00mm Receptacle, Dual Row, 16 Pos	Core Range	68	89361-710LF	Minitek 2.00mm IDC Receptacle, Dual Row, 10 Pos, With Center Key	Core Range	75
55510-320TRLF	Minitek 2.00mm Receptacle, Dual Row, 20 Pos	Core Range	68	89361-712LF	Minitek 2.00mm IDC Receptacle, Dual Row, 12 Pos, With Center Key	Core Range	75
86730-301LF	Minitek 2.00mm Shunts, Single Row, 2 Pos	Core Range	76	98414-F06-06ULF	Minitek 2.00mm Shrouded Header, VT, Dual Row, TH, 6 Pos	Core Range	66
10073599-006LF	Minitek 2.00mm CTW Housing, Active Latch, Dual Row, 6 Pos	Core Range	73	98414-F06-08ULF	Minitek 2.00mm Shrouded Header, VT, Dual Row, TH, 8 Pos	Core Range	66
10073599-008LF	Minitek 2.00mm CTW Housing, Active Latch, Dual Row, 8 Pos	Core Range	73	98414-F06-10ULF	Minitek 2.00mm Shrouded Header, VT, Dual Row, TH, 10 Pos	Core Range	66
10073599-010LF	Minitek 2.00mm CTW Housing, Active Latch, Dual Row, 10 Pos	Core Range	73	98414-F06-12ULF	Minitek 2.00mm Shrouded Header, VT, Dual Row, TH, 12 Pos	Core Range	66
10073599-012LF	Minitek 2.00mm CTW Housing, Active Latch, Dual Row, 12 Pos	Core Range	73	98414-F06-14ULF	Minitek 2.00mm Shrouded Header, VT, Dual Row, TH, 14 Pos	Core Range	66
10073599-014LF	Minitek 2.00mm CTW Housing, Active Latch, Dual Row, 14 Pos	Core Range	73	98414-F06-16ULF	Minitek 2.00mm Shrouded Header, VT, Dual Row, TH, 16 Pos	Core Range	66
10073599-016LF	Minitek 2.00mm CTW Housing, Active Latch, Dual Row, 16 Pos	Core Range	73	98414-F06-18ULF	Minitek 2.00mm Shrouded Header, VT, Dual Row, TH, 18 Pos	Core Range	66
10073599-018LF	Minitek 2.00mm CTW Housing, Active Latch, Dual Row, 18 Pos	Core Range	73	98414-F06-20ULF	Minitek 2.00mm Shrouded Header, VT, Dual Row, TH, 20 Pos	Core Range	66
10073599-020LF	Minitek 2.00mm CTW Housing, Active Latch, Dual Row, 20 Pos	Core Range	73	98424-F52-06ALF	Minitek 2.00mm Shrouded Header, VT, Dual Row, SMT, 6 Pos	Core Range	66
57102-F08-02LF	Minitek 2.00mm Unshrouded Header, VT, Dual Row, TH, 4 Pos	Core Range	64	98424-F52-08ALF	Minitek 2.00mm Shrouded Header, VT, Dual Row, SMT, 8 Pos	Core Range	66
57102-F08-03LF	Minitek 2.00mm Unshrouded Header, VT, Dual Row, TH, 6 Pos	Core Range	64	98424-F52-10ALF	Minitek 2.00mm Shrouded Header, VT, Dual Row, SMT, 10 Pos	Core Range	66
57102-F08-04ULF	Minitek 2.00mm Unshrouded Header, VT, Dual Row, TH, 8 Pos	Core Range	64	98424-F52-12ALF	Minitek 2.00mm Shrouded Header, VT, Dual Row, SMT, 12 Pos	Core Range	66
57102-F08-05ULF	Minitek 2.00mm Unshrouded Header, VT, Dual Row, TH, 10 Pos	Core Range	64	98424-F52-14ALF	Minitek 2.00mm Shrouded Header, VT, Dual Row, SMT, 14 Pos	Core Range	66
57102-F08-06ULF	Minitek 2.00mm Unshrouded Header, VT, Dual Row, TH, 12 Pos	Core Range	64	98424-F52-16ALF	Minitek 2.00mm Shrouded Header, VT, Dual Row, SMT, 16 Pos	Core Range	66
57102-F08-07ULF	Minitek 2.00mm Unshrouded Header, VT, Dual Row, TH, 14 Pos	Core Range	64	98424-F52-18ALF	Minitek 2.00mm Shrouded Header, VT, Dual Row, SMT, 18 Pos	Core Range	66
57102-F08-08ULF	Minitek 2.00mm Unshrouded Header, VT, Dual Row, TH, 16 Pos	Core Range	64	98424-F52-20ALF	Minitek 2.00mm Shrouded Header, VT, Dual Row, SMT, 20 Pos	Core Range	66
57102-F08-09ULF	Minitek 2.00mm Unshrouded Header, VT, Dual Row, TH, 18 Pos	Core Range	64	10131935-202ULF	Minitek 2.00mm Receptacle, VT, Single Row, SMT, 2 Pos	Priority Part	71
57102-F08-10ULF	Minitek 2.00mm Unshrouded Header, VT, Dual Row, TH, 20 Pos	Core Range	64	10131935-206ULF	Minitek 2.00mm Receptacle, VT, Single Row, SMT, 6 Pos	Priority Part	71
57102-F08-11ULF	Minitek 2.00mm Unshrouded Header, VT, Dual Row, TH, 22 Pos	Core Range	64	10131935-208ULF	Minitek 2.00mm Receptacle, VT, Single Row, SMT, 8 Pos	Priority Part	71
57102-F08-12ULF	Minitek 2.00mm Unshrouded Header, VT, Dual Row, TH, 24 Pos	Core Range	64	10131935-210ULF	Minitek 2.00mm Receptacle, VT, Single Row, SMT, 10 Pos	Priority Part	71
57102-F08-25ULF	Minitek 2.00mm Unshrouded Header, VT, Dual Row, TH, 50 Pos	Core Range	64	10131935-216ULF	Minitek 2.00mm Receptacle, VT, Single Row, SMT, 16 Pos	Priority Part	71
57202-F52-02ALF	Minitek 2.00mm Unshrouded Header, VT, Dual Row, SMT, 4 Pos	Priority Part	64				
57202-F52-03ALF	Minitek 2.00mm Unshrouded Header, VT, Dual Row, SMT, 6 Pos	Priority Part	64				

PART NUMBER INDEX

Part Numbers	Description	Core or Priority	Page
91601-807ALF	Dubox 2.54mm Receptacle, VT, Single Row, Dual Entry, Low Profile, 14 Pos	Core Range	38
91601-808ALF	Dubox 2.54mm Receptacle, VT, Single Row, Dual Entry, Low Profile, 16 Pos	Core Range	38
91601-809ALF	Dubox 2.54mm Receptacle, VT, Single Row, Dual Entry, Low Profile, 18 Pos	Core Range	38
91601-810ALF	Dubox 2.54mm Receptacle, VT, Single Row, Dual Entry, Low Profile, 20 Pos	Core Range	38
91601-812ALF	Dubox 2.54mm Receptacle, VT, Single Row, Dual Entry, Low Profile, 24 Pos	Core Range	38
47437-002LF	PV 2.54mm CTW Contact, 32 to 28 AWG, High	Priority Part	57
47439-002LF	PV 2.54mm CTW Contact, 26 to 22 AWG, High	Priority Part	57
47457-002LF	PV 2.54mm CTW Contact, 26 to 22 AWG, Standard	Priority Part	57
47564-002LF	PV 2.54mm CTW Contact, 32 to 28 AWG, Ultra High	Priority Part	57
47565-002LF	PV 2.54mm CTW Contact, 26 to 22 AWG, Ultra High	Priority Part	57
47566-002LF	PV 2.54mm CTW Contact, 20 to 18 AWG, Ultra High	Priority Part	57
65039-001ELF	PV 2.54mm CTW Housing, Single Row, 36 Pos	Priority Part	59
65039-003ELF	PV 2.54mm CTW Housing, Single Row, 34 Pos	Priority Part	59
65039-005ELF	PV 2.54mm CTW Housing, Single Row, 32 Pos	Priority Part	59
65039-010ELF	PV 2.54mm CTW Housing, Single Row, 27 Pos	Priority Part	59
65039-012ELF	PV 2.54mm CTW Housing, Single Row, 25 Pos	Priority Part	59
65039-016ELF	PV 2.54mm CTW Housing, Single Row, 21 Pos	Priority Part	59
65039-017ELF	PV 2.54mm CTW Housing, Single Row, 20 Pos	Priority Part	59
65039-020ELF	PV 2.54mm CTW Housing, Single Row, 17 Pos	Priority Part	59
65039-023ELF	PV 2.54mm CTW Housing, Single Row, 14 Pos	Priority Part	59
65039-026ELF	PV 2.54mm CTW Housing, Single Row, 11 Pos	Priority Part	59
65039-027ELF	PV 2.54mm CTW Housing, Single Row, 10 Pos	Priority Part	59
65039-029ELF	PV 2.54mm CTW Housing, Single Row, 8 Pos	Priority Part	59
65039-030ELF	PV 2.54mm CTW Housing, Single Row, 7 Pos	Priority Part	59
65039-031ELF	PV 2.54mm CTW Housing, Single Row, 6 Pos	Priority Part	59
65039-032ELF	PV 2.54mm CTW Housing, Single Row, 5 Pos	Priority Part	59
65039-033ELF	PV 2.54mm CTW Housing, Single Row, 4 Pos	Priority Part	59
65039-034ELF	PV 2.54mm CTW Housing, Single Row, 3 Pos	Priority Part	59
65039-035ELF	PV 2.54mm CTW Housing, Single Row, 2 Pos	Priority Part	59
65043-001ELF	PV 2.54mm CTW Housing, Dual Row, 72 Pos	Priority Part	59
65043-005ELF	PV 2.54mm CTW Housing, Dual Row, 64 Pos	Priority Part	59
65043-012ELF	PV 2.54mm CTW Housing, Dual Row, 50 Pos	Priority Part	59
65043-017ELF	PV 2.54mm CTW Housing, Dual Row, 40 Pos	Priority Part	59
65043-020ELF	PV 2.54mm CTW Housing, Dual Row, 34 Pos	Priority Part	59
65043-022ELF	PV 2.54mm CTW Housing, Dual Row, 30 Pos	Priority Part	59
65043-023ELF	PV 2.54mm CTW Housing, Dual Row, 28 Pos	Priority Part	59
65043-024ELF	PV 2.54mm CTW Housing, Dual Row, 26 Pos	Priority Part	59
65043-026ELF	PV 2.54mm CTW Housing, Dual Row, 22 Pos	Priority Part	59
65043-027ELF	PV 2.54mm CTW Housing, Dual Row, 20 Pos	Priority Part	59
65043-028ELF	PV 2.54mm CTW Housing, Dual Row, 18 Pos	Priority Part	59
65043-029ELF	PV 2.54mm CTW Housing, Dual Row, 16 Pos	Priority Part	59
65043-030ELF	PV 2.54mm CTW Housing, Dual Row, 14 Pos	Priority Part	59
65043-031ELF	PV 2.54mm CTW Housing, Dual Row, 12 Pos	Priority Part	59
65043-032ELF	PV 2.54mm CTW Housing, Dual Row, 10 Pos	Priority Part	59
65043-033ELF	PV 2.54mm CTW Housing, Dual Row, 8 Pos	Priority Part	59
65043-034ELF	PV 2.54mm CTW Housing, Dual Row, 6 Pos	Priority Part	59
65043-035ELF	PV 2.54mm CTW Housing, Dual Row, 4 Pos	Priority Part	59
69167-203HLF	PV 2.54mm Shrouded Header, VT, Single Row, 3 Pos	Priority Part	55
69167-204HLF	PV 2.54mm Shrouded Header, VT, Single Row, 4 Pos	Priority Part	55
69167-205HLF	PV 2.54mm Shrouded Header, VT, Single Row, 5 Pos	Priority Part	55
69167-206HLF	PV 2.54mm Shrouded Header, VT, Single Row, 6 Pos	Priority Part	55
69167-208HLF	PV 2.54mm Shrouded Header, VT, Single Row, 8 Pos	Priority Part	55
69168-206HLF	PV 2.54mm Shrouded Header, VT, Dual Row, 6 Pos	Priority Part	55
69168-208HLF	PV 2.54mm Shrouded Header, VT, Dual Row, 8 Pos	Priority Part	55
69168-210HLF	PV 2.54mm Shrouded Header, VT, Dual Row, 10 Pos	Priority Part	55
69168-212HLF	PV 2.54mm Shrouded Header, VT, Dual Row, 12 Pos	Priority Part	55

Part Numbers	Description	Core or Priority	Page
69168-216HLF	PV 2.54mm Shrouded Header, VT, Dual Row, 16 Pos	Priority Part	55
20021111-00006T4LF	Minitek 1.27mm Unshrouded Header, VT, TH, 6 Pos	Core Range	85
20021111-00008T4LF	Minitek 1.27mm Unshrouded Header, VT, TH, 8 Pos	Core Range	85
20021111-00010T4LF	Minitek 1.27mm Unshrouded Header, VT, TH, 10 Pos	Core Range	85
20021111-00012T4LF	Minitek 1.27mm Unshrouded Header, VT, TH, 12 Pos	Core Range	85
20021111-00016T4LF	Minitek 1.27mm Unshrouded Header, VT, TH, 16 Pos	Core Range	85
20021111-00020T4LF	Minitek 1.27mm Unshrouded Header, VT, TH, 20 Pos	Core Range	85
20021121-00006C4LF	Minitek 1.27mm Unshrouded Header, VT, SMT, 6 Pos	Core Range	85
20021121-00008C4LF	Minitek 1.27mm Unshrouded Header, VT, SMT, 8 Pos	Core Range	85
20021121-00010C4LF	Minitek 1.27mm Unshrouded Header, VT, SMT, 10 Pos	Core Range	85
20021121-00012C4LF	Minitek 1.27mm Unshrouded Header, VT, SMT, 12 Pos	Core Range	85
20021121-00016C4LF	Minitek 1.27mm Unshrouded Header, VT, SMT, 16 Pos	Core Range	85
20021121-00020C4LF	Minitek 1.27mm Unshrouded Header, VT, SMT, 20 Pos	Core Range	85
20021221-00006C4LF	Minitek 1.27mm Shrouded Header, VT, TH, 6 Pos	Core Range	85
20021221-00008C4LF	Minitek 1.27mm Shrouded Header, VT, TH, 8 Pos	Core Range	85
20021221-00010C4LF	Minitek 1.27mm Shrouded Header, VT, TH, 10 Pos	Core Range	85
20021221-00012C4LF	Minitek 1.27mm Shrouded Header, VT, TH, 12 Pos	Core Range	85
20021221-00016C4LF	Minitek 1.27mm Shrouded Header, VT, TH, 16 Pos	Core Range	85
20021221-00020C4LF	Minitek 1.27mm Shrouded Header, VT, TH, 20 Pos	Core Range	85
20021321-00006C4LF	Minitek 1.27mm Receptacle, VT, SMT, 6 Pos	Core Range	85
20021321-00008C4LF	Minitek 1.27mm Receptacle, VT, SMT, 8 Pos	Core Range	85
20021321-00010C4LF	Minitek 1.27mm Receptacle, VT, SMT, 10 Pos	Core Range	85
20021321-00012C4LF	Minitek 1.27mm Receptacle, VT, SMT, 12 Pos	Core Range	85
20021321-00016C4LF	Minitek 1.27mm Receptacle, VT, SMT, 16 Pos	Core Range	85
20021321-00020C4LF	Minitek 1.27mm Receptacle, VT, SMT, 20 Pos	Core Range	85
20021444-00010T4LF	Minitek 1.27mm IDC Receptacle, 10 Pos	Core Range	85
20021444-00012T4LF	Minitek 1.27mm IDC Receptacle, 12 Pos	Core Range	85
20021444-00016T4LF	Minitek 1.27mm IDC Receptacle, 16 Pos	Core Range	85
20021444-00020T4LF	Minitek 1.27mm IDC Receptacle, 20 Pos	Core Range	85
20021521-00010C1LF	Minitek 1.27mm IDC Header, VT, SMT, 10 Pos	Priority Part	85
20021521-00012C1LF	Minitek 1.27mm IDC Header, VT, SMT, 12 Pos	Priority Part	85
20021521-00016C1LF	Minitek 1.27mm IDC Header, VT, SMT, 16 Pos	Priority Part	85
20021521-00020C1LF	Minitek 1.27mm IDC Header, VT, SMT, 20 Pos	Priority Part	85
20021621-00010C1LF	Minitek 1.27mm Eject Latch Header, VT, SMT, 10 Pos	Priority Part	85
20021621-00012C1LF	Minitek 1.27mm Eject Latch Header, VT, SMT, 12 Pos	Priority Part	85
20021621-00016C1LF	Minitek 1.27mm Eject Latch Header, VT, SMT, 16 Pos	Priority Part	85
20021621-00020C1LF	Minitek 1.27mm Eject Latch Header, VT, SMT, 20 Pos	Priority Part	85
LD09P24A4GV00LF	D-Sub 9 Pin Straight Spill, DD Male with Boardlock + Female screw	Core Range	115

Part Numbers	Description	Core or Priority	Page
LD09S24A4GV00LF	D-Sub 9 Pin Straight Spill, DD Female with Boardlock + Female screw	Core Range	115
LD09P24A4GX00LF	D-Sub 9 Pin Straight Spill, DD Male with Boardlock + Threaded insert	Core Range	115
LD09S24A4GX00LF	D-Sub 9 Pin Straight Spill, DD Female with Boardlock + Threaded insert	Core Range	115
LD15P24A4GV00LF	D-Sub 15 Pin Straight Spill, DD Male with Boardlock + Female screw	Core Range	115
LD15S24A4GV00LF	D-Sub 15 Pin Straight Spill, DD Female with Boardlock + Female screw	Core Range	115
LD09P13A4GV00LF	D-Sub 9 Pin RA EU Style, DD Male with Boardlock + Female screw	Core Range	115
LD09S13A4GV00LF	D-Sub 9 Pin RA EU Style, DD Female with Boardlock + Female screw	Core Range	115
LD09P13A4GX00LF	D-Sub 9 Pin RA EU Style, DD Male with Boardlock + Threaded insert	Core Range	115
LD09S13A4GX00LF	D-Sub 9 Pin RA EU Style, DD Female with Boardlock + Threaded insert	Core Range	115
LD09P33E4GV00LF	D-Sub 9 Pin RA US Style, DD Male with Boardlock + Female screw	Core Range	115
LD09S33E4GV00LF	D-Sub 9 Pin RA US Style, DD Female with Boardlock + Female screw	Core Range	115
LD09S33E4GX00LF	D-Sub 9 Pin RA US Style, DD Male with Boardlock + Threaded insert	Core Range	115
LD09P33E4GX00LF	D-Sub 9 Pin RA US Style, DD Female with Boardlock + Threaded insert	Core Range	115
ICD15S13E4GV00LF	D-Sub 15 Pin RA High density Dsub Female with Boardlock + Female screw	Core Range	115
ICD15S13E4GX00LF	D-Sub 15 Pin RA High density Dsub Female with Boardlock + Threaded insert	Core Range	115
8630CH09UNCLF	D-Sub 9 Pos Combined Hood Plastic	Core Range	115
8630CH15UNCLF	D-Sub 15 Pos Combined Hood Plastic	Core Range	115
863093C09ALF	D-Sub 9 Pos Universal Hood Plastic	Core Range	115
863093C15ALF	D-Sub 15 Pos Universal Hood Plastic	Core Range	115
10090929-S154VLF	D-Sub High Density, 15 Pin, VT, Female	Core Range	115
10090926-P156VLF	D-Sub High Density, 15 Pin, RA, Male	Core Range	115
8655MH0911LF	D-Sub Common Metal Hood (Straight)	Core Range	115
8655MH1511LF	D-Sub Common Metal Hood (Straight)	Core Range	115
8655MH0901BLF	D-Sub Common Metal Hood (Straight)	Core Range	115
8655MH1501BLF	D-Sub Common Metal Hood (Straight)	Core Range	115
86303637BLF	D-Sub Common Hood Plastic 9 pos	Core Range	115
86303638BLF	D-Sub Common Hood Plastic 15 Pos	Core Range	115
DE09P064TXLF	D-Sub 9 Pin Solder Cup, Male, Cable Connector	Priority Part	116
DE09S064TLF	D-Sub 9 Pin Solder Cup, Female, Cable Connector	Priority Part	116
DB25P064TXLF	D-Sub 25 Pin Solder Cup, Male, Cable Connector	Priority Part	116
DB25S064TLF	D-Sub 25 Pin Solder Cup, Female, Cable Connector	Priority Part	116
DA15P064TXLF	D-Sub 15 Pin Solder Cup, Male, Cable Connector	Priority Part	116
DA15S064TLF	D-Sub 15 Pin Solder Cup, Female, Cable Connector	Priority Part	116
LD25P24A4GV00LF	D-Sub 25 Pin Straight Spill, DD Male with Boardlock + Female screw	Priority Part	116
LD25S24A4GV00LF	D-Sub 25 Pin Straight Spill, DD Female with Boardlock + Female screw	Priority Part	116
865609PLTXLF	D-Sub 9 Pin Crimp Cable Connector, Male	Priority Part	116
865609SLTLF	D-Sub 9 Pin Crimp Cable Connector, Female	Priority Part	116
865625PLTXLF	D-Sub 25 Pin Crimp Cable Connector, Male	Priority Part	116
865625SLTLF	D-Sub 25 Pin Crimp Cable Connector, Female	Priority Part	116
865615PLTXLF	D-Sub 15 Pin Crimp Cable Connector, Male	Priority Part	116
865615SLTLF	D-Sub 15 Pin Crimp Cable Connector, Female	Priority Part	116
86564520064LF	D-Sub Crimp Contacts, 24 to 20 AWG, Male	Priority Part	116
86566520064LF	D-Sub Crimp Contacts, 24 to 20 AWG, Female	Priority Part	116
86564510064LF	D-Sub Crimp Contacts, 28 to 24 AWG, Male	Priority Part	116
86566510064LF	D-Sub Crimp Contacts, 28 to 24 AWG, Female	Priority Part	116
863093C09MLF	D-Sub 9 Pos Universal Hood Metallised	Priority Part	116
863093C15MLF	D-Sub 15 Pos Universal Hood Metallised	Priority Part	116
70523CLF	D-Sub Plastic Dust Cap for 9 Pin Female	Priority Part	116
70518CLF	D-Sub Plastic Dust Cap for 9 Pin Male	Priority Part	116
86553113TLF	D-Sub Metal Cap	Priority Part	116
86553114TLF	D-Sub Metal Cap	Priority Part	116
8655MH2511LF	D-Sub Common Metal Hood (Straight)	Priority Part	116
8655MH3711LF	D-Sub Common Metal Hood (Straight)	Priority Part	116

Part Numbers	Description	Core or Priority	Page
8655MH2501BLF	D-Sub Common Metal Hood (Straight)	Priority Part	116
8655MHRA1501LF	D-Sub Metal Hood (RA)	Priority Part	116
86303639BLF	D-Sub Common Hood Plastic, 25 Pos	Priority Part	116
8638PPS4005LF	D-Sub, Match with DA3W or DA7W.. DB5W	Priority Part	116
8638PSS4005LF	D-Sub, Match with DA3W or DA7W.. DB5W	Priority Part	116
8638PSS2005LF	D-Sub, Match with DA3W or DA7W.. DB5W	Priority Part	116
8638PPC1005LF	D-Sub, Match with DA3W or DA7W.. DB5W	Priority Part	116
8638PSC2005LF	D-Sub, Match with DA3W or DA7W.. DB5W	Priority Part	116
8638PSS1005LF	D-Sub, Match with DA3W or DA7W.. DB5W	Priority Part	116
8638PPS2005LF	D-Sub, Match with DA3W or DA7W.. DB5W	Priority Part	116
8638PPS1005LF	D-Sub, Match with DA3W or DA7W.. DB5W	Priority Part	116
DA3W3SA00LF	D-Sub, Match with 5KYF- Power Contact	Priority Part	116
DA7W2SA00LF	D-Sub, Match with 5KYF- Power Contact	Priority Part	116
DA7W2PA00LF	D-Sub, Match with 5KYF- Power Contact	Priority Part	116
DB5W5PA00LF	D-Sub, Match with 5KYF- Power Contact	Priority Part	116
54602-910LF	ModJack Single Port, 10P10C, RA, TH, Cat 3	Core Range	119
54601-908WPLF	ModJack Single Port, 8P8C, RA, TH, Cat 3	Core Range	119
54601-906WPLF	ModJack Single Port, 6P6C, RA, TH, Cat 3	Core Range	119
54601-906002WPLF	ModJack Single Port, 6P4C, RA, TH, Cat 3	Core Range	119
95672-001LF	ModJack Single Port, 8 Pos, RA, TH, Cat 5, Shielded	Core Range	119
95679-001LF	ModJack Single Port, 8 Pos, RA, TH, Cat 5, Unshielded	Core Range	119
66011-006LF	ModJack Single Port, 6P6C, RA, TH, Cat 3, Inverted Latch	Priority Part	119
66010-004LF	ModJack Single Port, 4P4C, RA, TH, Cat 3, Inverted Latch	Priority Part	119
54602-908LF	ModJack Single Port, 8P8C, RA, TH, Cat 3	Priority Part	119
54601-906001WPLF	ModJack Single Port, 6P4C, RA, TH, Cat 3	Priority Part	119
10132797-011100LF	BergStak 0.50mm, Plug, 10 Pos, 2.3mm Height	Core Range	89
10132798-011100LF	BergStak 0.50mm, Receptacle, 10 Pos, 2.15mm Height	Core Range	89
10132797-033100LF	BergStak 0.50mm, Plug, 30 Pos, 3.3mm Height	Core Range	89
10132798-031100LF	BergStak 0.50mm, Receptacle, 30 Pos, 2.15mm Height	Core Range	89
10132797-055100LF	BergStak 0.50mm, Plug, 50 Pos, 4.3mm Height	Core Range	89
10132798-052100LF	BergStak 0.50mm, Receptacle, 50 Pos, 2.7mm Height	Core Range	89
10132797-065100LF	BergStak 0.50mm, Plug, 60 Pos, 4.3mm Height	Core Range	89
10132797-067100LF	BergStak 0.50mm, Plug, 60 Pos, 5.3mm Height	Core Range	89
10132798-062100LF	BergStak 0.50mm, Receptacle, 60 Pos, 2.7mm Height	Core Range	89
SFV4R-3STBE1HLF	SFV-R Series, 0.5mm, ZIF, Au, RA, 4 Pos, Bottom Contact	Core Range	99
SFV8R-3STBE1HLF	SFV-R Series, 0.5mm, ZIF, Au, RA, 8 Pos, Bottom Contact	Core Range	99
SFV12R-3STBE1HLF	SFV-R Series, 0.5mm, ZIF, Au, RA, 12 Pos, Bottom Contact	Core Range	99
SFV14R-3STBE1HLF	SFV-R Series, 0.5mm, ZIF, Au, RA, 14 Pos, Bottom Contact	Core Range	99
SFV18R-3STBE1HLF	SFV-R Series, 0.5mm, ZIF, Au, RA, 18 Pos, Bottom Contact	Core Range	99
SFV24R-3STBE1HLF	SFV-R Series, 0.5mm, ZIF, Au, RA, 24 Pos, Bottom Contact	Core Range	99
SFV30R-3STBE1HLF	SFV-R Series, 0.5mm, ZIF, Au, RA, 30 Pos, Bottom Contact	Core Range	99
SFV34R-3STBE1HLF	SFV-R Series, 0.5mm, ZIF, Au, RA, 34 Pos, Bottom Contact	Core Range	99
SFV4R-4STBE1HLF	SFV-R Series, 0.5mm, ZIF, Au, RA, 4 Pos, Top Contact	Core Range	99
SFV8R-4STBE1HLF	SFV-R Series, 0.5mm, ZIF, Au, RA, 8 Pos, Top Contact	Core Range	99
SFV12R-4STBE1HLF	SFV-R Series, 0.5mm, ZIF, Au, RA, 12 Pos, Top Contact	Core Range	99
SFV14R-4STBE1HLF	SFV-R Series, 0.5mm, ZIF, Au, RA, 14 Pos, Top Contact	Core Range	99
SFV18R-4STBE1HLF	SFV-R Series, 0.5mm, ZIF, Au, RA, 18 Pos, Top Contact	Core Range	99
SFV24R-4STBE1HLF	SFV-R Series, 0.5mm, ZIF, Au, RA, 24 Pos, Top Contact	Core Range	99

▶ PART NUMBER INDEX

Part Numbers	Description	Core or Priority	Page
SFV14R-4STAE1HLF	SFV-R Series, 0.5mm, ZIF, Au, RA, 14 Pos, Top Contact, Cable Lock	Priority Part	101
SFV18R-4STAE1HLF	SFV-R Series, 0.5mm, ZIF, Au, RA, 18 Pos, Top Contact, Cable Lock	Priority Part	101
SFV24R-4STAE1HLF	SFV-R Series, 0.5mm, ZIF, Au, RA, 24 Pos, Top Contact, Cable Lock	Priority Part	101
SFV30R-4STAE1HLF	SFV-R Series, 0.5mm, ZIF, Au, RA, 30 Pos, Top Contact, Cable Lock	Priority Part	101
SFV34R-4STAE1HLF	SFV-R Series, 0.5mm, ZIF, Au, RA, 34 Pos, Top Contact, Cable Lock	Priority Part	101
HFV4R-1STAE1HLF	HFV-R Series, 1.00mm, Non-ZIF, Au, RA, 4 Pos, Bottom Contact, Halogen-Free	Priority Part	100
HFV8R-1STAE1HLF	HFV-R Series, 1.00mm, Non-ZIF, Au, RA, 8 Pos, Bottom Contact, Halogen-Free	Priority Part	100
HFV12R-1STAE1HLF	HFV-R Series, 1.00mm, Non-ZIF, Au, RA, 12 Pos, Bottom Contact, Halogen-Free	Priority Part	100
HFV14R-1STAE1HLF	HFV-R Series, 1.00mm, Non-ZIF, Au, RA, 14 Pos, Bottom Contact, Halogen-Free	Priority Part	100
HFV18R-1STAE1HLF	HFV-R Series, 1.00mm, Non-ZIF, Au, RA, 18 Pos, Bottom Contact, Halogen-Free	Priority Part	100
HFV20R-1STAE1HLF	HFV-R Series, 1.00mm, Non-ZIF, Au, RA, 20 Pos, Bottom Contact, Halogen-Free	Priority Part	100
HFV24R-1STAE1HLF	HFV-R Series, 1.00mm, Non-ZIF, Au, RA, 24 Pos, Bottom Contact, Halogen-Free	Priority Part	100
HFV28R-1STAE1HLF	HFV-R Series, 1.00mm, Non-ZIF, Au, RA, 28 Pos, Bottom Contact, Halogen-Free	Priority Part	100
HFV30R-1STAE1HLF	HFV-R Series, 1.00mm, Non-ZIF, Au, RA, 30 Pos, Bottom Contact, Halogen-Free	Priority Part	100
HFV8R-2STAE1HLF	HFV-R Series, 1.00mm, Non-ZIF, Au, RA, 8 Pos, Top Contact, Halogen-Free	Priority Part	100
HFV12R-2STAE1HLF	HFV-R Series, 1.00mm, Non-ZIF, Au, RA, 12 Pos, Top Contact, Halogen-Free	Priority Part	100
HFV14R-2STAE1HLF	HFV-R Series, 1.00mm, Non-ZIF, Au, RA, 14 Pos, Top Contact, Halogen-Free	Priority Part	100
HFV18R-2STAE1HLF	HFV-R Series, 1.00mm, Non-ZIF, Au, RA, 18 Pos, Top Contact, Halogen-Free	Priority Part	100
HFV20R-2STAE1HLF	HFV-R Series, 1.00mm, Non-ZIF, Au, RA, 20 Pos, Top Contact, Halogen-Free	Priority Part	100
HFV24R-2STAE1HLF	HFV-R Series, 1.00mm, Non-ZIF, Au, RA, 24 Pos, Top Contact, Halogen-Free	Priority Part	100
HFV28R-2STAE1HLF	HFV-R Series, 1.00mm, Non-ZIF, Au, RA, 28 Pos, Top Contact, Halogen-Free	Priority Part	100
HFV30R-2STAE1HLF	HFV-R Series, 1.00mm, Non-ZIF, Au, RA, 30 Pos, Top Contact, Halogen-Free	Priority Part	100
HFV8S-2STAE1HLF	HFV-S Series, 1.00mm, Non-ZIF, Au, VT, 8 Pos, Top Contact, Halogen-Free	Priority Part	100
HFV12S-2STAE1HLF	HFV-S Series, 1.00mm, Non-ZIF, Au, VT, 12 Pos, Top Contact, Halogen-Free	Priority Part	100
HFV14S-2STAE1HLF	HFV-S Series, 1.00mm, Non-ZIF, Au, VT, 14 Pos, Top Contact, Halogen-Free	Priority Part	100
HFV18S-2STAE1HLF	HFV-S Series, 1.00mm, Non-ZIF, Au, VT, 18 Pos, Top Contact, Halogen-Free	Priority Part	100
HFV20S-2STAE1HLF	HFV-S Series, 1.00mm, Non-ZIF, Au, VT, 20 Pos, Top Contact, Halogen-Free	Priority Part	100
HFV24S-2STAE1HLF	HFV-S Series, 1.00mm, Non-ZIF, Au, VT, 24 Pos, Top Contact, Halogen-Free	Priority Part	100
HFV28S-2STAE1HLF	HFV-S Series, 1.00mm, Non-ZIF, Au, VT, 28 Pos, Top Contact, Halogen-Free	Priority Part	100
HFV30S-2STAE1HLF	HFV-S Series, 1.00mm, Non-ZIF, Au, VT, 30 Pos, Top Contact, Halogen-Free	Priority Part	100
SFW4R-3STE1HLF	SFW-R Series, 1.00mm, ZIF, Tin, RA, 4 Pos, Bottom Contact, Cable Lock	Priority Part	100
SFW8R-3STE1HLF	SFW-R Series, 1.00mm, ZIF, Tin, RA, 8 Pos, Bottom Contact, Cable Lock	Priority Part	100
SFW12R-3STE1HLF	SFW-R Series, 1.00mm, ZIF, Tin, RA, 12 Pos, Bottom Contact, Cable Lock	Priority Part	100
SFW14R-3STE1HLF	SFW-R Series, 1.00mm, ZIF, Tin, RA, 14 Pos, Bottom Contact, Cable Lock	Priority Part	100
SFW18R-3STE1HLF	SFW-R Series, 1.00mm, ZIF, Tin, RA, 18 Pos, Bottom Contact, Cable Lock	Priority Part	100
SFW24R-3STE1HLF	SFW-R Series, 1.00mm, ZIF, Tin, RA, 24 Pos, Bottom Contact, Cable Lock	Priority Part	100
SFW30R-3STE1HLF	SFW-R Series, 1.00mm, ZIF, Tin, RA, 30 Pos, Bottom Contact, Cable Lock	Priority Part	100
SFW34R-3STE1HLF	SFW-R Series, 1.00mm, ZIF, Tin, RA, 34 Pos, Bottom Contact, Cable Lock	Priority Part	100
SFW4R-4STE1HLF	SFW-R Series, 1.00mm, ZIF, Tin, RA, 4 Pos, Top Contact, Cable Lock	Priority Part	100
SFW8R-4STE1HLF	SFW-R Series, 1.00mm, ZIF, Tin, RA, 8 Pos, Top Contact, Cable Lock	Priority Part	100
SFW12R-4STE1HLF	SFW-R Series, 1.00mm, ZIF, Tin, RA, 12 Pos, Top Contact, Cable Lock	Priority Part	100
SFW14R-4STE1HLF	SFW-R Series, 1.00mm, ZIF, Tin, RA, 14 Pos, Top Contact, Cable Lock	Priority Part	100
SFW18R-4STE1HLF	SFW-R Series, 1.00mm, ZIF, Tin, RA, 18 Pos, Top Contact, Cable Lock	Priority Part	100
SFW24R-4STE1HLF	SFW-R Series, 1.00mm, ZIF, Tin, RA, 24 Pos, Top Contact, Cable Lock	Priority Part	100
SFW30R-4STE1HLF	SFW-R Series, 1.00mm, ZIF, Tin, RA, 30 Pos, Top Contact, Cable Lock	Priority Part	100
SFW34R-4STE1HLF	SFW-R Series, 1.00mm, ZIF, Tin, RA, 34 Pos, Top Contact, Cable Lock	Priority Part	100

Amphenol FCI

At Amphenol FCI, we design and manufacture a wide array of hi-tech connector solutions for various market applications, including data/telecommunications, data storage and servers, consumer electronics, medical, industrial and instrumentation, automotive motorized vehicles as well as renewable energy.

Our global footprint comprises of R&D, manufacturing and sales operations. We are well renowned and respected for our technology leadership, as well as innovative connector and cable assembly solutions.

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