



**Interconnection  
Systems**

## **A full line of innovative designs** with award winning technology

- Innovative Solutions for Connector to PCB Attachment
- Unique "Self Soldering" Connectors
- Solder-Flux Bearing Technology
- Press fit terminations
- Application Specific Connector Expertise
- Unique Telecom Application Connectors



## The Teka Advantage – SBL Technology

We supply our Solder-Flux Bearing Lead (SBL) connectors with all of the solder and flux you'll ever need for perfect solder joint – already there. TEKA's award winning SBL technology attaches individual segments of solder and flux to each lead of our connectors. Once the connector is placed on the PCB the application of general or localized heat is all that's needed to reflow solder each lead.

The resulting solder joints meet IPC class III requirements – without adding any additional solder solder paste or flux. Available in Surface mount and through hole configurations, TEKA's Self Soldering Connectors are "drop in" replacements for many industry standard configurations and can be processed with conventional SMT equipment and processes.

### Without adding any additional solder, solder paste or flux you can:

- Reflow solder through hole connectors in a single pass with other SMT components
- Get 100% filled through hole solder joints with top and bottom side fillets
- Reflow solder straddle mount of edge mount connectors in a single pass with other SMT components
- Reflow solder multi-row (3 rows or more) 2mm pitch through hole connectors

### We also offer:

- Press fit connectors – low applied cost flat rock termination method
- Hot Swappable high current power connectors
- Application specific solutions
- Telecom special application solutions
- Industry standard PCB connector families

### What can we do for you?

**Call us and find out how we can help you save time and money.**

Apply our press-fit or SBL technology to your manufacturing process and eliminate scrap and expensive secondary or off-line PCB soldering operations.

- Eliminate hand soldering
- Eliminate selective soldering
- Eliminate wave soldering
- Eliminate the complications and limitations of "paste in hole"
- Enable your mixed technology PCB's to be single pass reflow soldered.

**RoHS compliant versions available –  
Visit our web site or consult our factory.**

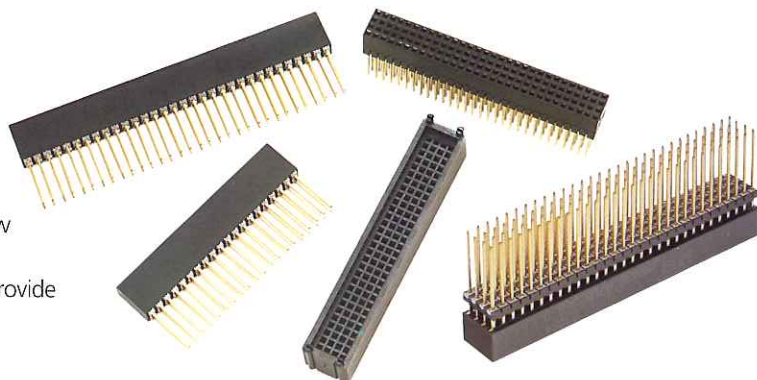


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## ■ PC104 & PC104 Plus

- Available with Self Soldering Solder-Flux Technology
- RoHS Compliant available
- Eliminate Hand Soldering
- Meet all PC104 and Plus specifications
- Both PC104 and Plus connectors can one pass reflow soldered with other SMT components
- Solder and flux pre-attached to each lead and can provide IPC Class III solder joints



## ■ PC Card and CompactFlash Receptacles

- Available with Self Soldering Solder-Flux Technology
- RoHS Compliant available
- Reflow solder straddle mount versions along with other SMT components
- Eliminate Hand Soldering
- Meet or exceed PC Card and CompactFlash Specifications
- Integrated grounding contacts available



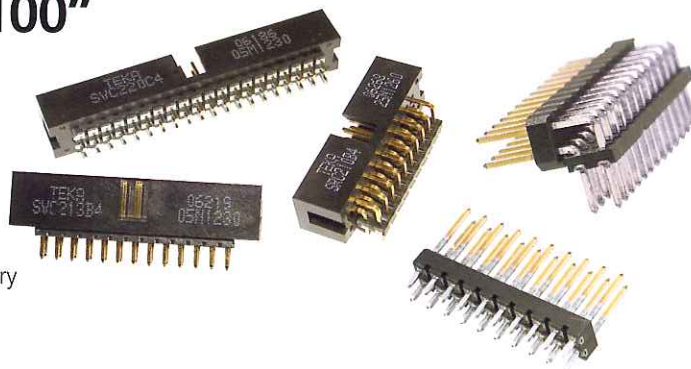
A precise amount of flux-core solder attached to each lead allows automated soldering with conventional SMT soldering techniques



Proven, consistent solder-joint reliability is assured, plus higher volume production at lower cost. Hand-soldering and rework are also eliminated

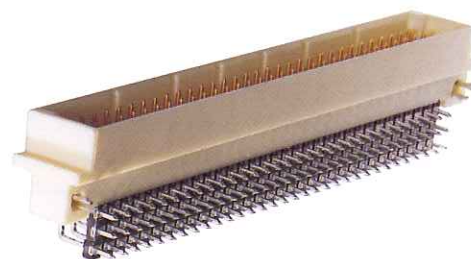
## ■ Headers – 2,00mm and .100"

- Available with Self Soldering Solder-Flux Technology
- RoHS Compliant available
- Industry standard configurations
- One pass reflow soldering with other SMT components
- Stick and Shrouded configurations
- Straight tail and right angle tails
- Custom sizes and configurations available – consult factory



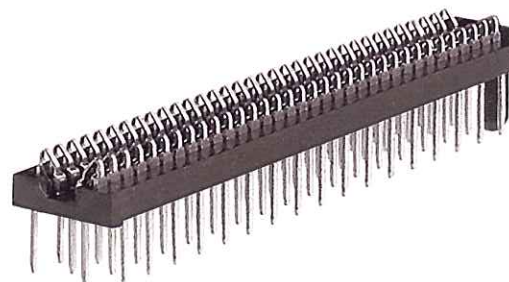
## ■ Self Soldering DIN 41612

- Right angle versions available with Self Soldering Solder-Flux Technology
- Reflow solder right angle DIN 41612 along with other SMT components
- No additional solder, solder paste or flux required
- Flux and solder added at factory to provide IPC Class III solder joints
- Eliminate hand, selective and wave soldering



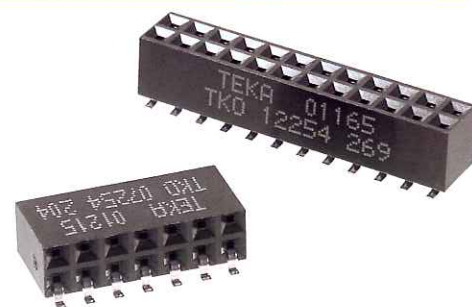
## ■ Edge Mount Dual Row Connectors

- Available with Self Soldering Solder-Flux Technology
- Ideal for high reliability memory module applications
- RoHS Compliant available
- Low profile – high speed
- Ideal for memory modules or any other high speed vertical mount applications



## ■ 2,00mm and .100" Receptacles

- RoHS Compliant available
- Mate with Industry standard headers
- .100" receptacles offer robust Mil reliability at commercial cost – BeCu contacts and heavy selective gold plating
- SMT, short solder and long feed through tails available
- 2,00 mm available in 1 to 4 row versions



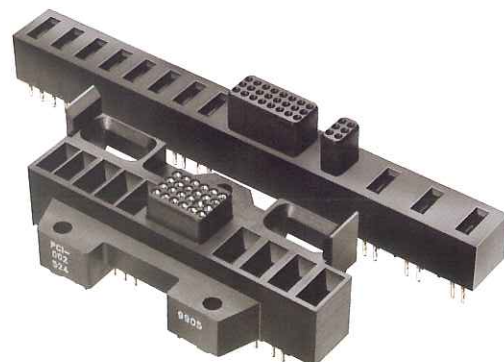
## ■ Standard Card Edge Connectors

- RoHS Compliant available
- .100", .125" and .156" Centers
- Right angle and straight tails versions
- Custom versions available – consult factory
- Molded-in polarizing keys available



## ■ Hot Mate Power Connectors

- Intermateable with multiple vendors
- Hot Swappable
- Press fit and solder tails
- 3 level power sequencing contacts
- Robust single piece contacts and housing
- Multiple signal modules and guide pins



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## ■ .085" Telecom Connectors

- Flat rock press fit and solder tail version
- Plastic or shielded versions
- High torque threaded inserts
- Additional connector mounting features
- Right angle shielded IDC cable version



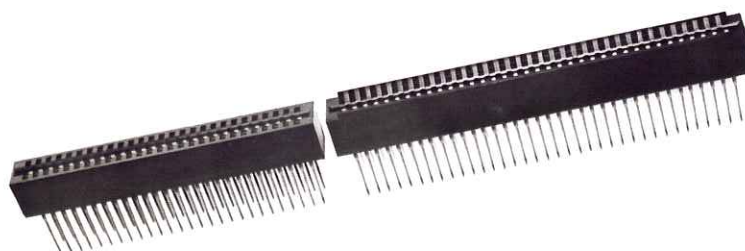
## ■ Special Telecom Applications

- V.35 connectors with economical stamped and formed contacts
- SLC 96 Press fit card edge
- Unique phone jack to card edge – single piece connectors
- Unique D-Subminiature to card edge – single piece connectors
- Shorting contact connectors
- D4 Channel Bank MAC Jacks
- T1 Mini repeater card edge connectors



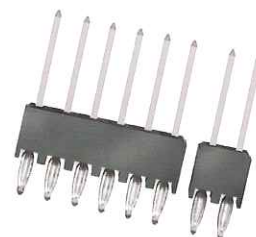
## ■ Press Fit Card Edge

- RoHS Compliant available
- Meet all applicable Telecordia requirements
- Flat rock press fit
- Low profile or elevated card guide housings
- Shorting contacts available
- Molded polarizing keys available



## ■ .045" Square Pin Headers

- RoHS Compliant available
- Press fit and solder tail versions
- Friction lock or standard header bodies
- .156" and .200" spacing available
- Selective gold plating available
- Contact lengths to 2.160"



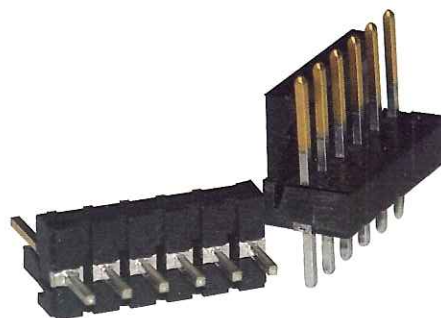
## ■ Application Specific

Our in house vertical integration, willingness to modify standard tooling and innovation enable Teka to provide application solutions from a simple modification to a complete custom design and build.



## ■ Friction Lock Headers

- High temperature SMT and RoHS reflow compatible
- Available with Self Soldering Solder-Flux Technology
- Available in "paste in hole" reflow capable configurations
- .100" (2,54mm) spacing with .025" (0,635mm) square contacts
- Vertical and right angle industry standard configurations
- RoHS compliant versions available
- Many pin length and plating options available



## ■ Application Specific

No matter what your application or end market requirements are, Teka has the experience and capability of providing a turn key solution for your custom or application specific requirements.

Our in house vertical integration, willingness to modify standard tooling and innovation enable Teka to provide application solutions from simple, inexpensive modifications to a complete custom design and build project.



Your Problem +  = Solutions



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