

**TAICOM type TK & TI**

**INTRODUCTION**

Simple and cost-effective pcb interconnect systems available in a choice of 2.54mm, 3.96mm or 5.08mm industry standard pitch configurations. Each size comprises of housings with crimp terminations (an IDC option is provided on 2.54mm and 3.96mm pitch), straight or right angle square pin headers with friction lock option and pcb sockets with several entry variations. The wide variety of connector combinations will provide numerous wire-to-board or board-to-board mounting orientations.

- ◆ Choice of **2.54mm** , **3.96mm** or **5.08mm** pitch
- ◆ For **wire-to-board & board-to-board** connection
- ◆ Wide selection of ways
- ◆ Flame retardant insulators
- ◆ Locking action prevents accidental disconnection
- ◆ 2.50mm pitch also available to special order

**Specification**

**Materials & Finishes**

<b>Insulators</b>	
2.54mm pitch.....	White Nylon (crimp terminal housings & friction lock pin headers) Natural colour Nylon (insulation displacement housings & dust covers) White Nylon 66 (pcb sockets) flame retardant to UL94V-0 except friction lock pin headers which are UL94V-2
3.96mm pitch.....	Natural colour Nylon 66 (crimp terminal housings, pin headers & pcb sockets) Red Nylon (insulation displacement housings) flame retardant to UL94V-0
5.08mm pitch.....	Natural colour Nylon 66 (all parts) flame retardant to UL94V-2
<b>Contacts/Pins.....</b>	
	Phosphor bronze or brass, tin plated (housings & pcb sockets) Brass, tin plated (pin headers)

**Electrical**

<b>Current rating</b>	
2.54mm pitch .....	3A
3.96mm & 5.08mm pitch .....	7A
<b>Voltage rating .....</b>	
	250Vac/dc
<b>Proof voltage.....</b>	
	1500Vac
<b>Contact resistance</b>	
2.54mm pitch .....	10mΩ typ.
3.96mm & 5.08mm pitch .....	20mΩ max.
<b>Insulation resistance (min.).....</b>	
	1000MΩ at 500Vdc

**Environmental**

<b>Operating temperature range</b>	
2.54mm pitch.....	-40°C to +105°C
3.96mm & 5.08mm pitch .....	-25°C to +125°C (crimp terminal housings & pin headers) -40°C to +105°C (insulation displacement housings & pcb sockets)

For the very latest information and news on the full range of TAICOM products available from Anglia, visit our website :  
[www.anglia.com/taicom](http://www.anglia.com/taicom)  
 Alternatively, contact our Sales Desk to discuss your specific requirements.

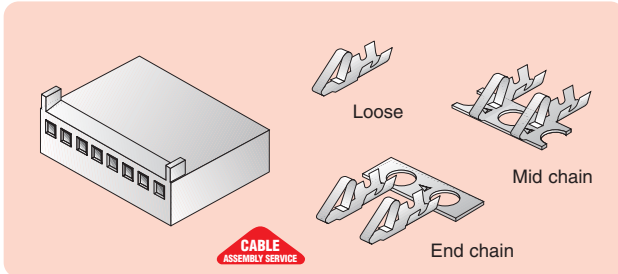
**2.54mm (0.1in) PITCH**

**RU**® 2 to 20 ways only

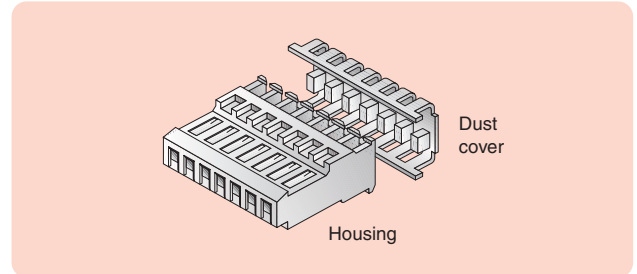
**HOUSINGS**

A range of high quality cable socket housings with integral locking ramp, in a 2.54mm industry standard pitch configuration. Option of crimp or IDC termination method. Moulded in flame retardant Nylon to UL94V-0, the housings are polarised to ensure correct orientation when connecting to the friction lock pin headers, and are available in 2 to 25 ways. The housings may also be used in conjunction with the range of pin headers without friction locks, for applications where easy disconnection is required.

**Crimp Terminal**



**Insulation Displacement (IDC)**



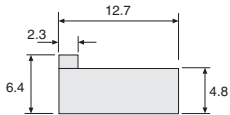
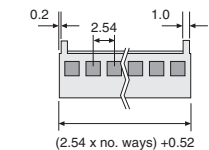
**Housings (with locking ramp)**

Unloaded housings designed to accommodate the crimp terminals listed below together with polarising keys. The white mouldings incorporate front ribs for precise connector alignment.

**Housings (with locking ramp)**

Pre-loaded mass termination housings with insulation displacement contacts for rapid, one step assembly. Accept 24awg (0.2mm<sup>2</sup>) wires. End stackable. Natural colour mouldings. Rear dust covers available separately. N.B. Other wire sizes available to special order.

**Dimensions (mm)**



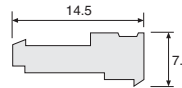
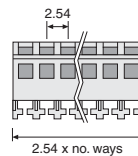
**Type**

- 2 way
- 3 way
- 4 way
- 5 way
- 6 way
- 7 way
- 8 way
- 9 way
- 10 way
- 11 way
- 12 way
- 13 way
- 14 way
- 15 way
- 16 way
- 17 way
- 18 way
- 19 way
- 20 way
- 21 way
- 22 way
- 23 way
- 24 way
- 25 way

**Manf. Part No. & anglia Order Code**

- TKB02FL
- TKB03FL
- TKB04FL
- TKB05FL
- TKB06FL
- TKB07FL
- TKB08FL
- TKB09FL
- TKB10FL
- TKB11FL
- TKB12FL
- TKB13FL
- TKB14FL
- TKB15FL
- TKB16FL
- TKB17FL
- TKB18FL
- TKB19FL
- TKB20FL
- TKB21FL
- TKB22FL
- TKB23FL
- TKB24FL
- TKB25FL

**Dimensions (mm)**



**Type**

- 2 way
- 3 way
- 4 way
- 5 way
- 6 way
- 7 way
- 8 way
- 9 way
- 10 way
- 11 way
- 12 way
- 13 way
- 14 way
- 15 way
- 16 way
- 17 way
- 18 way
- 19 way
- 20 way
- 21 way
- 22 way
- 23 way
- 24 way
- 25 way

**Manf. Part No. & anglia Order Code**

- TIB02FEL
- TIB03FEL
- TIB04FEL
- TIB05FEL
- TIB06FEL
- TIB07FEL
- TIB08FEL
- TIB09FEL
- TIB10FEL
- TIB11FEL
- TIB12FEL
- TIB13FEL
- TIB14FEL
- TIB15FEL
- TIB16FEL
- TIB17FEL
- TIB18FEL
- TIB19FEL
- TIB20FEL
- TIB21FEL
- TIB22FEL
- TIB23FEL
- TIB24FEL
- TIB25FEL

**Crimp Terminals (open barrel)**

Double cantilever design, ensuring a consistent and reliable contact. Available loose or on reels with the option of mid or end chain to suit various crimping machines.

**Wire Acceptance**

24 to 28 awg (0.2mm<sup>2</sup> to 0.08mm<sup>2</sup>)  
1.5mm max. insulation diameter



**Type**

- Reel - mid chain
- Reel - end chain
- Loose

**Manf. Part No. & anglia Order Code**

- TK1013
- TK1012
- TK1011

**Polarising Keys**

White moulded keys for polarising the above housings. Supplied in strips.



**Type**

- Polarising Key

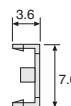
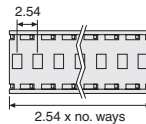
**Manf. Part No. & anglia Order Code**

- TKB-KEY

**Dust Covers**

Snap-on moulded covers for protecting the rear terminations.

**Dimensions (mm)**



**Type**

- 2 way
- 3 way
- 4 way
- 5 way
- 6 way
- 7 way
- 8 way
- 9 way
- 10 way
- 11 way
- 12 way
- 13 way
- 14 way
- 15 way
- 16 way
- 17 way
- 18 way
- 19 way
- 20 way
- 21 way
- 22 way
- 23 way
- 24 way
- 25 way

**Manf. Part No. & anglia Order Code**

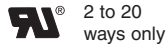
- TIB02C
- TIB03C
- TIB04C
- TIB05C
- TIB06C
- TIB07C
- TIB08C
- TIB09C
- TIB10C
- TIB11C
- TIB12C
- TIB13C
- TIB14C
- TIB15C
- TIB16C
- TIB17C
- TIB18C
- TIB19C
- TIB20C
- TIB21C
- TIB22C
- TIB23C
- TIB24C
- TIB25C

2.54mm (0.1in) PITCH continued overleaf > > >

## 2.54mm (0.1in) PITCH *continued*

### PIN HEADERS

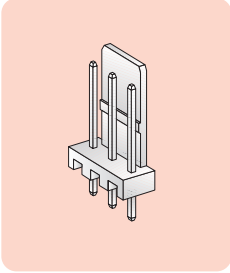
A range of pcb mounting 0.64mm (0.025in) square pin headers, featuring flame retardant insulators to UL94V-2 (without friction lock UL94V-0). Colour white (without friction lock black).



#### WITH FRICTION LOCK

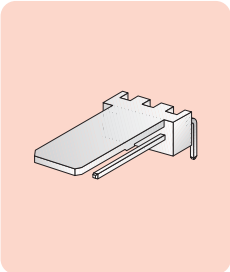
Will mate and lock with the crimp & IDC housings. Will mate without locking with the pcb sockets.

#### Straight



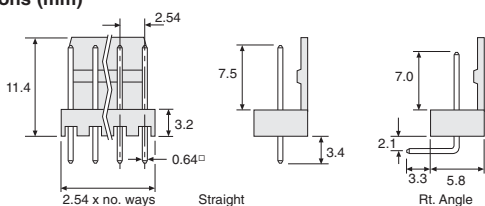
Type	Manf. Part No. & anglia Order Code
2 way	TKB02MSL
3 way	TKB03MSL
4 way	TKB04MSL
5 way	TKB05MSL
6 way	TKB06MSL
7 way	TKB07MSL
8 way	TKB08MSL
9 way	TKB09MSL
10 way	TKB10MSL
11 way	TKB11MSL
12 way	TKB12MSL
13 way	TKB13MSL
14 way	TKB14MSL
15 way	TKB15MSL
16 way	TKB16MSL
17 way	TKB17MSL
18 way	TKB18MSL
19 way	TKB19MSL
20 way	TKB20MSL
21 way	TKB21MSL
22 way	TKB22MSL
23 way	TKB23MSL
24 way	TKB24MSL
25 way	TKB25MSL

#### Right Angle



Type	Manf. Part No. & anglia Order Code
2 way	TKB02MRL
3 way	TKB03MRL
4 way	TKB04MRL
5 way	TKB05MRL
6 way	TKB06MRL
7 way	TKB07MRL
8 way	TKB08MRL
9 way	TKB09MRL
10 way	TKB10MRL
11 way	TKB11MRL
12 way	TKB12MRL
13 way	TKB13MRL
14 way	TKB14MRL
15 way	TKB15MRL
16 way	TKB16MRL
17 way	TKB17MRL
18 way	TKB18MRL
19 way	TKB19MRL
20 way	TKB20MRL
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22 way	TKB22MRL
23 way	TKB23MRL
24 way	TKB24MRL
25 way	TKB25MRL

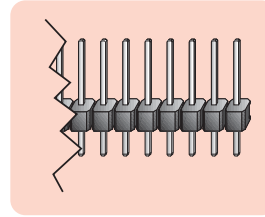
#### Dimensions (mm)



#### WITHOUT FRICTION LOCK

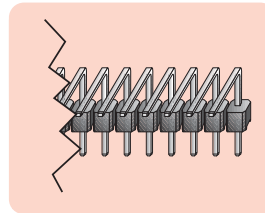
Will mate without locking with the crimp & IDC housings and pcb sockets. For specification details refer to pin headers, page 196.

#### Straight



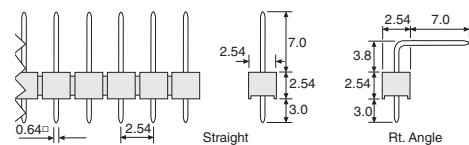
Type	Manf. Part No. & anglia Order Code
2 way	TPH02SSL
3 way	TPH03SSL
4 way	TPH04SSL
5 way	TPH05SSL
6 way	TPH06SSL
7 way	TPH07SSL
8 way	TPH08SSL
9 way	TPH09SSL
10 way	TPH10SSL
11 way	TPH11SSL
12 way	TPH12SSL
13 way	TPH13SSL
14 way	TPH14SSL
15 way	TPH15SSL
16 way	TPH16SSL
17 way	TPH17SSL
18 way	TPH18SSL
19 way	TPH19SSL
20 way	TPH20SSL
21 way	TPH21SSL
22 way	TPH22SSL
23 way	TPH23SSL
24 way	TPH24SSL
25 way	TPH25SSL

#### Right Angle



Type	Manf. Part No. & anglia Order Code
2 way	TPH02SRL
3 way	TPH03SRL
4 way	TPH04SRL
5 way	TPH05SRL
6 way	TPH06SRL
7 way	TPH07SRL
8 way	TPH08SRL
9 way	TPH09SRL
10 way	TPH10SRL
11 way	TPH11SRL
12 way	TPH12SRL
13 way	TPH13SRL
14 way	TPH14SRL
15 way	TPH15SRL
16 way	TPH16SRL
17 way	TPH17SRL
18 way	TPH18SRL
19 way	TPH19SRL
20 way	TPH20SRL
21 way	TPH21SRL
22 way	TPH22SRL
23 way	TPH23SRL
24 way	TPH24SRL
25 way	TPH25SRL

#### Dimensions (mm)



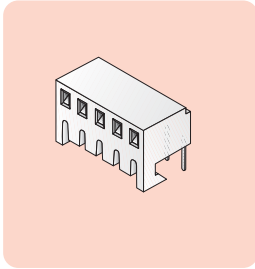
**2.54mm (0.1in) PITCH**



**PCB SOCKETS**

A range of pcb mounting sockets without locking ramps, suitable for mating with the 0.64mm (0.025in) square pin headers. Allow boards to be mounted parallel, perpendicular or adjacent to each other. The connectors feature white flame retardant insulators to UL94V-0, tin plated double cantilever contacts and board hooks for added support.

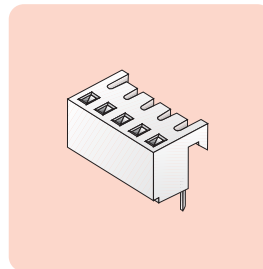
**Side Entry Socket**



- Type**
- 2 way
  - 3 way
  - 4 way
  - 5 way
  - 6 way
  - 7 way
  - 8 way
  - 9 way
  - 10 way
  - 11 way
  - 12 way
  - 13 way
  - 14 way
  - 15 way
  - 16 way
  - 17 way
  - 18 way
  - 19 way
  - 20 way
  - 21 way
  - 22 way
  - 23 way
  - 24 way
  - 25 way

Manf. Part No. & Anglia Order Code
TKB02FR
TKB03FR
TKB04FR
TKB05FR
TKB06FR
TKB07FR
TKB08FR
TKB09FR
TKB10FR
TKB11FR
TKB12FR
TKB13FR
TKB14FR
TKB15FR
TKB16FR
TKB17FR
TKB18FR
TKB19FR
TKB20FR
TKB21FR
TKB22FR
TKB23FR
TKB24FR
TKB25FR

**Top Entry Socket**

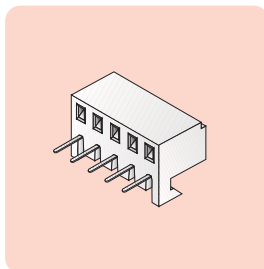


- Type**
- 2 way
  - 3 way
  - 4 way
  - 5 way
  - 6 way
  - 7 way
  - 8 way
  - 9 way
  - 10 way
  - 11 way
  - 12 way
  - 13 way
  - 14 way
  - 15 way
  - 16 way
  - 17 way
  - 18 way
  - 19 way
  - 20 way
  - 21 way
  - 22 way
  - 23 way
  - 24 way
  - 25 way

Manf. Part No. & Anglia Order Code
TKB02FS
TKB03FS
TKB04FS
TKB05FS
TKB06FS
TKB07FS
TKB08FS
TKB09FS
TKB10FS
TKB11FS
TKB12FS
TKB13FS
TKB14FS
TKB15FS
TKB16FS
TKB17FS
TKB18FS
TKB19FS
TKB20FS
TKB21FS
TKB22FS
TKB23FS
TKB24FS
TKB25FS

**Bottom Entry Socket (through pcb)**

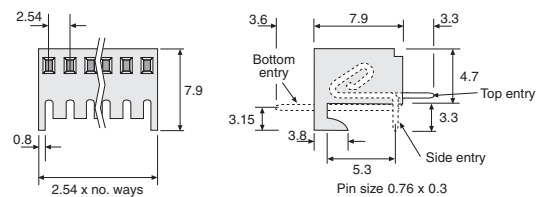
For use with pin headers without friction lock only.



- Type**
- 2 way
  - 3 way
  - 4 way
  - 5 way
  - 6 way
  - 7 way
  - 8 way
  - 9 way
  - 10 way
  - 11 way
  - 12 way
  - 13 way
  - 14 way
  - 15 way
  - 16 way
  - 17 way
  - 18 way
  - 19 way
  - 20 way
  - 21 way
  - 22 way
  - 23 way
  - 24 way
  - 25 way

Manf. Part No. & Anglia Order Code
TKB02FB
TKB03FB
TKB04FB
TKB05FB
TKB06FB
TKB07FB
TKB08FB
TKB09FB
TKB10FB
TKB11FB
TKB12FB
TKB13FB
TKB14FB
TKB15FB
TKB16FB
TKB17FB
TKB18FB
TKB19FB
TKB20FB
TKB21FB
TKB22FB
TKB23FB
TKB24FB
TKB25FB

**Dimensions (mm)**



**3.96mm (0.156in) PITCH** shown overleaf > > >