

**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
- ◆ 2.50 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
3.96mm pitch.....	Natural colour Nylon 66 (crimp terminal housings, pin headers & pcb sockets) Red Nylon (insulation displacement housings) flame retardant to UL94V-2
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.

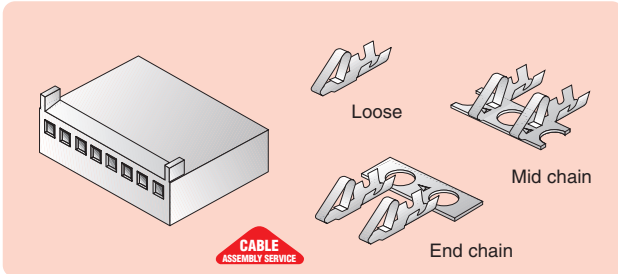
**2.54mm (0.1in) PITCH**

**EXPANDED RANGE**

**HOUSINGS**

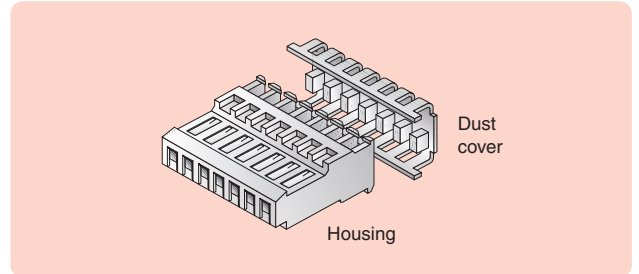
A range of high quality cable socket housings with integral locking ramp, in a 2.54mm industry standard pitch configuration. Option of crimp or IDC termination method. Moulded in flame retardant Nylon to UL94V-0, the housings are polarised to ensure correct orientation when connecting to the friction 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**



**CABLE ASSEMBLY SERVICE**

**Insulation Displacement (IDC)**



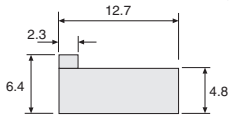
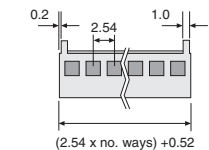
**Housings (with locking ramp)**

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)**



**CABLE ASSEMBLY SERVICE**  
available on this range  
Refer to page 226

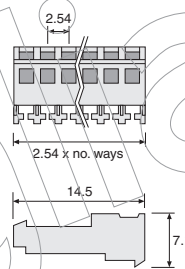
**Type**

- 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

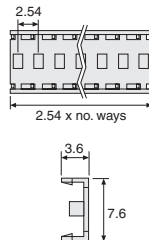
**Manf. Part No. & anglia Order Code**

- 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

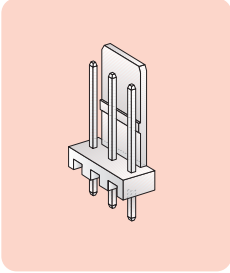
A range of pcb mounting 0.64mm (0.025in) square pin headers, featuring flame retardant insulators to UL94V-0. Colour white (without friction lock black).



#### WITH FRICTION LOCK

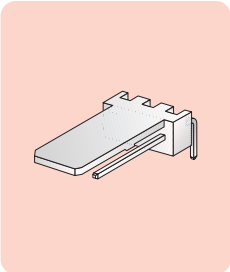
Will mate and lock with the crimp & IDC housings.  
Will mate without locking with the pcb sockets.

#### Straight



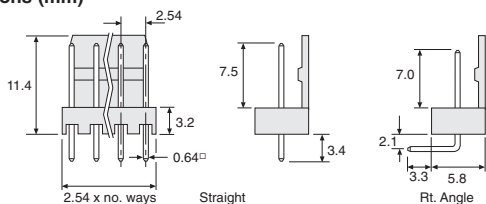
Type	Manf. Part No. & anglia Order Code
2 way	TKB02MSL
3 way	TKB03MSL
4 way	TKB04MSL
5 way	TKB05MSL
6 way	TKB06MSL
7 way	TKB07MSL
8 way	TKB08MSL
9 way	TKB09MSL
10 way	TKB10MSL
11 way	TKB11MSL
12 way	TKB12MSL
13 way	TKB13MSL
14 way	TKB14MSL
15 way	TKB15MSL
16 way	TKB16MSL
17 way	TKB17MSL
18 way	TKB18MSL
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

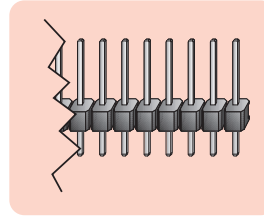
#### Dimensions (mm)



#### WITHOUT FRICTION LOCK

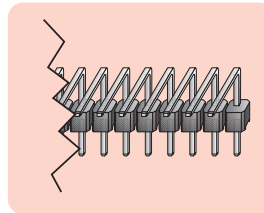
Will mate without locking with the crimp & IDC housings and pcb sockets. For specification details refer to pin headers, page 196.

#### Straight



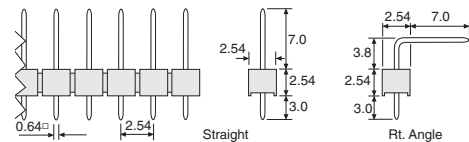
Type	Manf. Part No. & anglia Order Code
2 way	TPH02SSL
3 way	TPH03SSL
4 way	TPH04SSL
5 way	TPH05SSL
6 way	TPH06SSL
7 way	TPH07SSL
8 way	TPH08SSL
9 way	TPH09SSL
10 way	TPH10SSL
11 way	TPH11SSL
12 way	TPH12SSL
13 way	TPH13SSL
14 way	TPH14SSL
15 way	TPH15SSL
16 way	TPH16SSL
17 way	TPH17SSL
18 way	TPH18SSL
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)



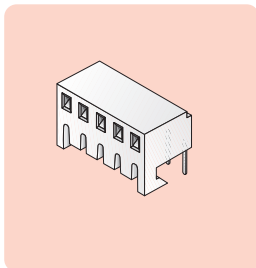
**2.54mm (0.1in) PITCH**



**PCB SOCKETS**

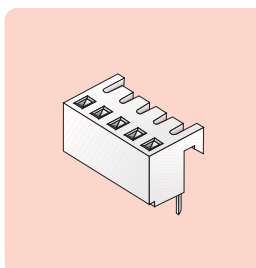
A range of pcb mounting sockets without locking ramps, suitable for mating with the 0.64mm (0.025in) square pin headers. Allow boards to be mounted parallel, perpendicular or adjacent to each other. The connectors feature white flame retardant insulators to UL94V-0, tin plated double cantilever contacts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

**Side Entry Socket**



Type	Manf. Part No. & anglia Order Code
2 way	TKB02FR
3 way	TKB03FR
4 way	TKB04FR
5 way	TKB05FR
6 way	TKB06FR
7 way	TKB07FR
8 way	TKB08FR
9 way	TKB09FR
10 way	TKB10FR
11 way	TKB11FR
12 way	TKB12FR
13 way	TKB13FR
14 way	TKB14FR
15 way	TKB15FR
16 way	TKB16FR
17 way	TKB17FR
18 way	TKB18FR
19 way	TKB19FR
20 way	TKB20FR
21 way	TKB21FR
22 way	TKB22FR
23 way	TKB23FR
24 way	TKB24FR
25 way	TKB25FR

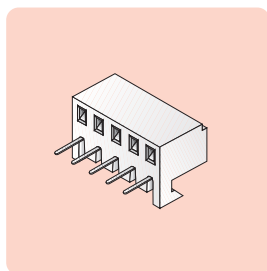
**Top Entry Socket**



Type	Manf. Part No. & anglia Order Code
2 way	TKB02FS
3 way	TKB03FS
4 way	TKB04FS
5 way	TKB05FS
6 way	TKB06FS
7 way	TKB07FS
8 way	TKB08FS
9 way	TKB09FS
10 way	TKB10FS
11 way	TKB11FS
12 way	TKB12FS
13 way	TKB13FS
14 way	TKB14FS
15 way	TKB15FS
16 way	TKB16FS
17 way	TKB17FS
18 way	TKB18FS
19 way	TKB19FS
20 way	TKB20FS
21 way	TKB21FS
22 way	TKB22FS
23 way	TKB23FS
24 way	TKB24FS
25 way	TKB25FS

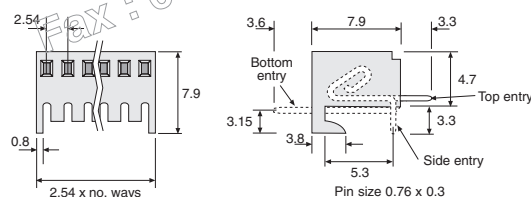
**Bottom Entry Socket (through pcb)**

For use with pin headers without friction lock only.



Type	Manf. Part No. & anglia Order Code
2 way	TKB02FB
3 way	TKB03FB
4 way	TKB04FB
5 way	TKB05FB
6 way	TKB06FB
7 way	TKB07FB
8 way	TKB08FB
9 way	TKB09FB
10 way	TKB10FB
11 way	TKB11FB
12 way	TKB12FB
13 way	TKB13FB
14 way	TKB14FB
15 way	TKB15FB
16 way	TKB16FB
17 way	TKB17FB
18 way	TKB18FB
19 way	TKB19FB
20 way	TKB20FB
21 way	TKB21FB
22 way	TKB22FB
23 way	TKB23FB
24 way	TKB24FB
25 way	TKB25FB

**Dimensions (mm)**



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