

1.25mm PITCH

TAICOM type TKH-SM



With a pitch of 1.25mm, the TKH-SM connectors are one of the smallest wire to board interconnection systems available in the industry. Designed for applications where board space is at a premium.

Specification

Materials & Finishes

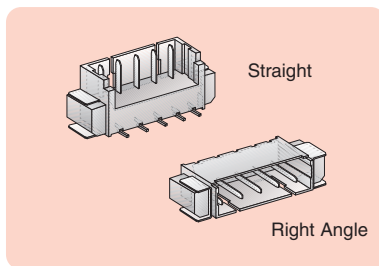
Insulators	Beige Nylon (pin headers) White Nylon 66 (crimp terminal housings) flame retardant to UL94V-0
Contacts	Phosphor bronze, tin plated (pin headers and crimp terminals)

Electrical

Current rating	1A
Voltage rating	150Vac/dc
Proof rating	500Vac
Contact resistance (max.)	20mΩ
Insulation resistance (min.)	1000MΩ
Operating temperature range	-25°C to +90°C (pin headers) -40°C to +105°C (crimp terminal housings)

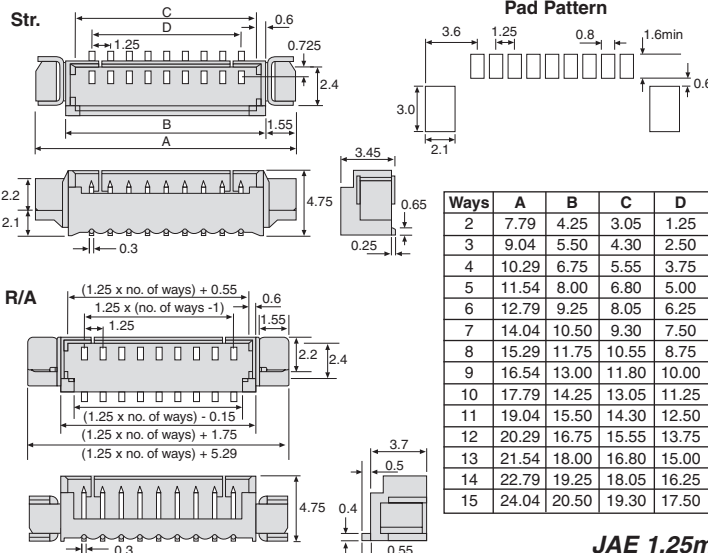
PIN HEADERS

Choice of straight or right angle surface mount pin headers. Incorporate metal strain relief tabs.



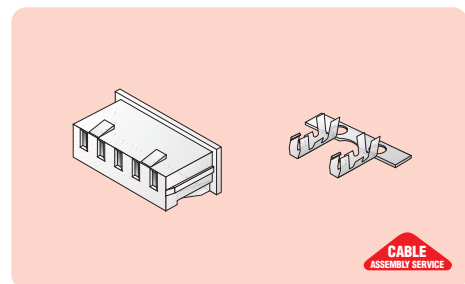
Type	Manf. Part No. & anglia Order Code Straight (Str.)	Manf. Part No. & anglia Order Code Right Angle (R/A)
2 way	TKH02MSLSM	TKH02MRLSM
3 way	TKH03MSLSM	TKH03MRLSM
4 way	TKH04MSLSM	TKH04MRLSM
5 way	TKH05MSLSM	TKH05MRLSM
6 way	TKH06MSLSM	TKH06MRLSM
7 way	TKH07MSLSM	TKH07MRLSM
8 way	TKH08MSLSM	TKH08MRLSM
9 way	TKH09MSLSM	TKH09MRLSM
10 way	TKH10MSLSM	TKH10MRLSM
11 way	TKH11MSLSM	TKH11MRLSM
12 way	TKH12MSLSM	TKH12MRLSM
13 way	TKH13MSLSM	TKH13MRLSM
14 way	TKH14MSLSM	TKH14MRLSM
15 way	TKH15MSLSM	TKH15MRLSM

Dimensions (mm)



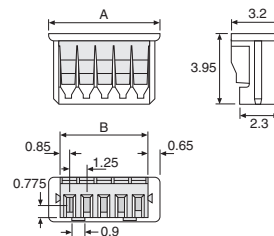
CRIMP TERMINAL HOUSINGS

Moulded housings with open barrel crimp terminals, supplied separately.



Crimp Terminal Housings (with locking ramps)

Dimensions (mm)



Ways	A	B
2	4.25	2.95
3	5.50	4.20
4	6.75	5.45
5	8.00	6.70
6	9.25	7.95
7	10.50	9.20
8	11.75	10.45
9	13.00	11.70
10	14.25	12.95
11	15.50	14.20
12	16.75	15.45
13	18.00	16.70
14	19.25	17.95
15	20.50	19.20

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

Manf. Part No. & anglia Order Code

TKH02FL
TKH03FL
TKH04FL
TKH05FL
TKH06FL
TKH07FL
TKH08FL
TKH09FL
TKH10FL
TKH11FL
TKH12FL
TKH13FL
TKH14FL
TKH15FL

CABLE
ASSEMBLY SERVICE

available on this range
Refer to page 226

Crimp Terminals (open barrel)

Wire Acceptance

30 to 32 awg (0.05mm² to 0.03mm²)



Type

Reel – end chain

Manf. Part No. & anglia Order Code

TK0011

JAE 1.25mm Pitch Wire to Board Connectors shown overleaf > > >

1.25mm PITCH

continued

JAE type IL-Z series

The IL-Z series of connectors is one of the smallest wire to board connector solutions available in the industry. This series is especially useful where board space is at a premium. Comprising of high reliability straight and right angle through hole headers or right angle surface mount headers, the mating half (housing and crimps) is cable mounted and universally fits all styles of header.

Specification

Materials & Finishes

Insulators	Through hole pin header and socket housing: Light brown Nylon 6.6 to UL94V-0 SMD pin header: Light grey PPS to UL94V-0
Header pins	Brass/tin plated over nickel
Socket contacts	Phosphor bronze/tin plated
Hold-down	Phosphor bronze/tin plated (SMD only)

Mechanical & Electrical

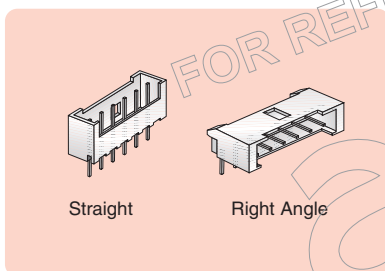
Contact spacing.....	1.25mm, single row
Current rating.....	1A
Dielectric withstanding voltage	500Vac for 1 minute
Contact resistance (max.)	20mΩ
Insulation resistance (min.)	100MΩ
Operating temperature range	-40°C to +70°C
Applicable PCB thickness	0.6 to 1.2mm
Applicable wire.....	32 to 28 awg

- ◆ Crimp type for efficient wire termination
- ◆ High reliability socket contacts
- ◆ High density packages
- ◆ SMD and through hole pin headers available
- ◆ Boxed pin header design prevents mismatching
- ◆ Anti-wicking feature

NEW

THROUGH HOLE PIN HEADERS

Choice of straight or right angle through hole pin headers



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

Manf. Part No. & anglia Order Code

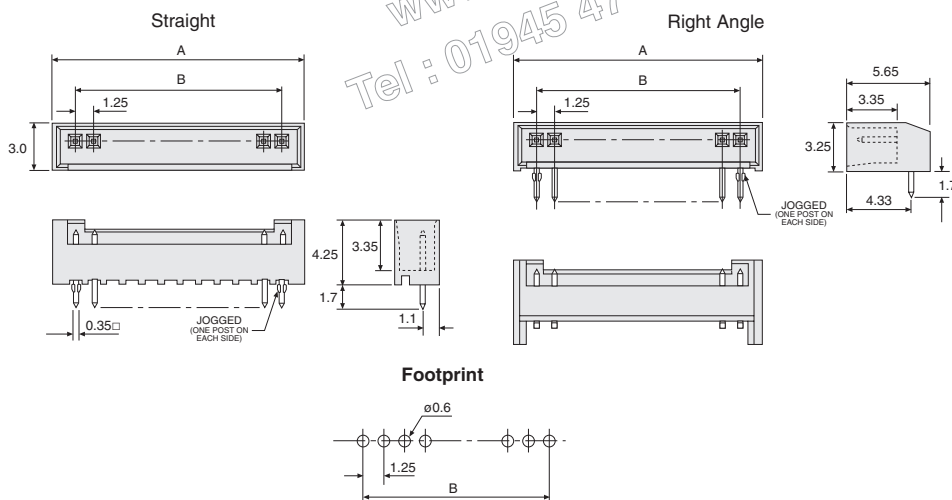
Straight

IL-Z-2P-S125T3-E
IL-Z-3P-S125T3-E
IL-Z-4P-S125T3-E
IL-Z-5P-S125T3-E
IL-Z-6P-S125T3-E
IL-Z-7P-S125T3-E
IL-Z-8P-S125T3-E
IL-Z-9P-S125T3-E
IL-Z-10P-S125T3-E
IL-Z-11P-S125T3-E
IL-Z-12P-S125T3-E
IL-Z-13P-S125T3-E
IL-Z-14P-S125T3-E
IL-Z-15P-S125T3-E

Right Angle

IL-Z-2P-S125L3-E
IL-Z-3P-S125L3-E
IL-Z-4P-S125L3-E
IL-Z-5P-S125L3-E
IL-Z-6P-S125L3-E
IL-Z-7P-S125L3-E
IL-Z-8P-S125L3-E
IL-Z-9P-S125L3-E
IL-Z-10P-S125L3-E
IL-Z-11P-S125L3-E
IL-Z-12P-S125L3-E
IL-Z-13P-S125L3-E
IL-Z-14P-S125L3-E
IL-Z-15P-S125L3-E

Dimensions (mm)



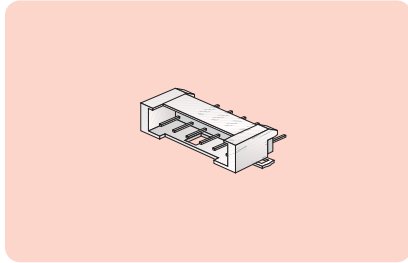
Ways	A	B
2	4.15	1.25
3	5.40	2.50
4	6.65	3.75
5	7.90	5.00
6	9.15	6.25
7	10.40	7.50
8	11.65	8.75
9	12.90	10.00
10	14.15	11.25
11	15.40	12.50
12	16.65	13.75
13	17.90	15.00
14	19.15	16.25
15	20.40	17.50

1.25mm PITCH

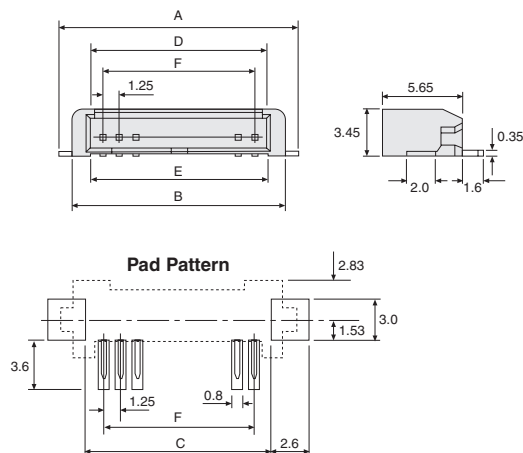
SMD PIN HEADERS

SMD

Right angle surface mount pin headers.



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

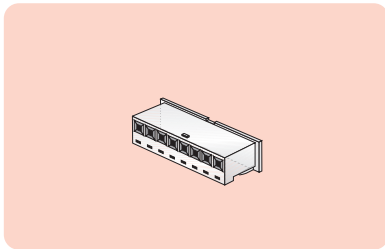
Manf. Part No. & anglia Order Code

ILZ2PLSMTYE1500
ILZ3PLSMTYE1500
ILZ4PLSMTYE1500
ILZ5PLSMTYE1500
ILZ6PLSMTYE1500
ILZ7PLSMTYE1500
ILZ8PLSMTYE1500
ILZ9PLSMTYE1500
ILZ10PLSMTYE1500
ILZ11PLSMTYE1500
ILZ12PLSMTYE1500
ILZ13PLSMTYE1500
ILZ14PLSMTYE1500
ILZ15PLSMTYE1500

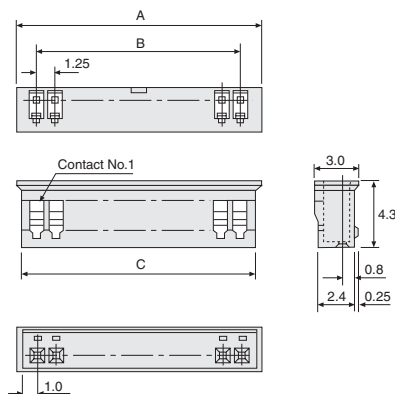
Ways	A	B	C	D	E	F
2	7.65	5.65	4.45	3.25	3.15	1.25
3	8.90	6.90	5.70	4.50	4.40	2.50
4	10.15	8.15	6.95	5.75	5.65	3.75
5	11.40	9.40	8.20	7.00	6.90	5.00
6	12.65	10.65	9.45	8.25	8.15	6.25
7	13.90	11.90	10.70	9.50	9.40	7.50
8	15.15	13.15	11.95	10.75	10.65	8.75
9	16.40	14.40	13.20	12.00	11.90	10.00
10	17.65	15.65	14.45	13.25	13.15	11.25
11	18.90	16.90	15.70	14.50	14.40	12.50
12	20.15	18.15	16.95	15.75	15.65	13.75
13	21.40	19.40	18.20	17.00	16.90	15.00
14	22.65	20.65	19.45	18.25	18.15	16.25
15	23.90	21.90	20.70	19.50	19.40	17.50

CRIMP TERMINAL HOUSINGS

Moulded housings with open barrel crimp terminals, supplied separately.



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

Manf. Part No. & anglia Order Code

IL-Z-2S-S125C3
IL-Z-3S-S125C3
IL-Z-4S-S125C3
IL-Z-5S-S125C3
IL-Z-6S-S125C3
IL-Z-7S-S125C3
IL-Z-8S-S125C3
IL-Z-9S-S125C3
IL-Z-10S-S125C3
IL-Z-11S-S125C3
IL-Z-12S-S125C3
IL-Z-13S-S125C3
IL-Z-14S-S125C3
IL-Z-15S-S125C3

Ways	A	B	C
2	3.95	1.25	3.25
3	5.20	2.50	4.50
4	6.45	3.75	5.75
5	7.70	5.00	7.00
6	8.95	6.25	8.25
7	10.20	7.50	9.50
8	11.45	8.75	10.75
9	12.70	10.00	12.00
10	13.95	11.25	13.25
11	15.20	12.50	14.50
12	16.45	13.75	15.75
13	17.70	15.00	17.00
14	18.95	16.25	18.25
15	20.20	17.50	19.50

Crimp Terminals (open barrel)

Wire Acceptance

28 to 32 awg (0.08mm² to 0.03mm²)

Type

Reel - end chain

Manf. Part No. & anglia Order Code

IL-Z-C3-A-15000