

0.5mm PITCH

JAE type IL-FPR

A range of surface mount connectors, with an extremely small 0.5mm pitch, designed to accommodate 0.3mm thick, flat flexible cable (FFC) and flexible printed circuits (FPC). Ideal for use in high density applications or equipment where space is severely restricted. Choice of straight or right angle, either loose or taped and reeled.

Specification

Materials & Finishes

Contacts Copper alloy/tin plated
Base Insulator Black glass-filled PPS
Slide Insulator White glass-filled PPS
Hold-down tab Phosphor bronze/tin plated

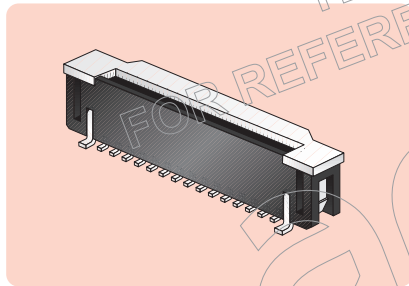
Mechanical & Electrical

Contact spacing 0.5mm, single row
Current rating 0.5A
Dielectric withstanding voltage 250Vac for 1 minute
Contact resistance (max.) 20mΩ
Insulation resistance (min.) 100MΩ
Operating temperature range -40°C to +85°C
Applicable FFC/FPC 0.5mm pitch, 0.3mm thick with reinforcement

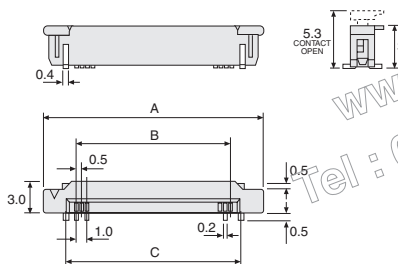
- ◆ High density
- ◆ Extremely small, 0.5mm pitch
- ◆ Accept 0.3mm thick FPC and FFC
- ◆ Zero insertion force (ZIF) utilising a slide actuator
- ◆ Hold down tabs for additional robustness
- ◆ Available from 5 to 50 ways
- ◆ Option of packaging, loose or taped & reeled

NEW

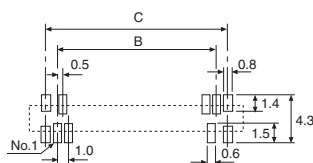
STRAIGHT



Dimensions (mm)



Pad Pattern



Ways	A	B	C
8	9.5	3.5	5.5
9	10.0	4.0	6.0
10	10.5	4.5	6.5
12	11.5	5.5	7.5
13	12.0	6.0	8.0
14	12.5	6.5	8.5
16	13.5	7.5	9.5
18	14.5	8.5	10.5
20	15.5	9.5	11.5
21	16.0	10.0	12.0
22	16.5	10.5	12.5
24	17.5	11.5	13.5
26	18.5	12.5	14.5
27	19.0	13.0	15.0
28	19.5	13.5	15.5
30	20.5	14.5	16.5
32	21.5	15.5	17.5
33	22.0	16.0	18.0
40	25.5	19.5	21.5

Type

8 way
9 way
10 way
11 way
12 way
13 way
14 way
16 way
18 way
20 way
21 way
22 way
24 way
25 way
26 way
27 way
28 way
30 way
32 way
33 way
34 way
36 way
40 way

Manf. Part No. & anglia Order Code

Loose

Taped & Reeled

Loose	Taped & Reeled
IL-FPR-8S-VF	ILFPR8SVFE1500
IL-FPR-9S-VF	ILFPR9SVFE1500
IL-FPR-10S-VF	ILFPR10SVFE1500
—	ILFPR11SVFE1500
IL-FPR-12S-VF	ILFPR12SVFE1500
IL-FPR-13S-VF	ILFPR13SVFE1500
IL-FPR-14S-VF	ILFPR14SVFE1500
IL-FPR-16S-VF	ILFPR16SVFE1500
IL-FPR-18S-VF	ILFPR18SVFE1500
IL-FPR-20S-VF	ILFPR20SVFE1500
IL-FPR-21S-VF	ILFPR21SVFE1500
IL-FPR-22S-VF	ILFPR22SVFE1500
IL-FPR-24S-VF	ILFPR24SVFE1500
IL-FPR-25S-VF	—
IL-FPR-26S-VF	ILFPR26SVFE1500
IL-FPR-27S-VF	ILFPR27SVFE1500
IL-FPR-28S-VF	ILFPR28SVFE1500
IL-FPR-30S-VF	ILFPR30SVFE1500
IL-FPR-32S-VF	ILFPR32SVFE1500
IL-FPR-33S-VF	ILFPR33SVFE1500
IL-FPR-34S-VF	ILFPR34SVFE1500
IL-FPR-36S-VF	ILFPR36SVFE1500
IL-FPR-40S-VF	ILFPR40SVFE1500

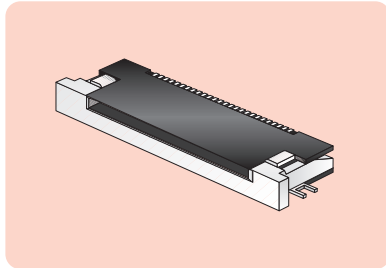
JAE type IL-FPR continued overleaf > > >

0.5mm PITCH

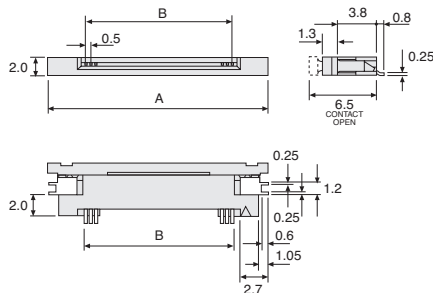
JAE type IL-FPR continued

RIGHT ANGLE

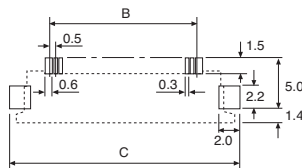
Upper Contacts



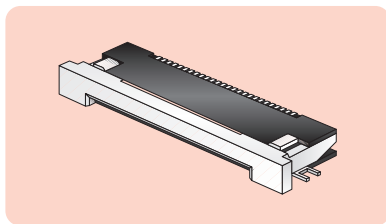
Dimensions (mm)



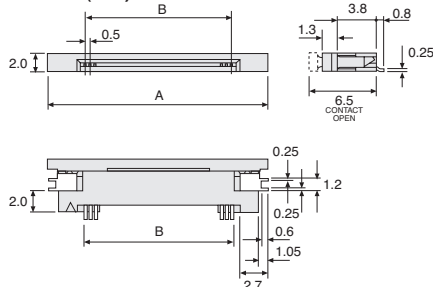
Pad Pattern



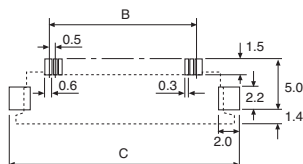
Lower Contacts



Dimensions (mm)



Pad Pattern



Type

5 way
6 way
7 way
8 way
9 way
10 way
11 way
12 way
13 way
14 way
16 way
17 way
18 way
20 way
21 way
22 way
24 way
26 way
28 way
30 way
31 way
32 way
33 way
34 way
35 way
36 way
37 way
38 way
40 way
45 way
50 way

Ways	A	B	C
5	9.1	2.0	10.5
6	9.6	2.5	11.0
7	10.1	3.0	11.5
8	10.6	3.5	12.0
9	11.1	4.0	12.5
10	11.6	4.5	13.0
11	12.1	5.0	13.5
12	12.6	5.5	14.0
13	13.1	6.0	14.5
14	13.6	6.5	15.0
16	14.6	7.5	16.0
17	15.1	8.0	16.5
18	15.6	8.5	17.0
20	16.6	9.5	18.0
21	17.1	10.0	18.5
22	17.6	10.5	19.0
24	18.6	11.5	20.0
26	19.6	12.5	21.0
28	20.6	13.5	22.0
30	21.6	14.5	23.0
31	22.1	15.0	23.5
32	22.6	15.5	24.0
33	23.1	16.0	24.5
34	23.6	16.5	25.0
35	24.1	17.0	25.5
36	24.6	17.5	26.0
37	25.1	18.0	26.5
38	25.6	18.5	27.0
40	26.6	19.5	28.0
45	29.1	22.0	30.5
50	31.6	24.5	33.0

Type

5 way
6 way
7 way
8 way
9 way
10 way
11 way
12 way
13 way
14 way
16 way
17 way
18 way
20 way
21 way
22 way
24 way
26 way
28 way
30 way
31 way
32 way
33 way
34 way
35 way
36 way
37 way
38 way
40 way
45 way
50 way

Manf. Part No. &
anglia Order Code

Loose Taped & Reeled

IL-FPR-U5S-HF	ILFPRU5SHFE3000
IL-FPR-U6S-HF	ILFPRU6SHFE3000
IL-FPR-U7S-HF	ILFPRU7SHFE3000
IL-FPR-U8S-HF	ILFPRU8SHFE3000
IL-FPR-U9S-HF	ILFPRU9SHFE3000
IL-FPR-U10S-HF	ILFPRU10SHFE3000
IL-FPR-U11S-HF	ILFPRU11SHFE3000
IL-FPR-U12S-HF	ILFPRU12SHFE3000
IL-FPR-U13S-HF	ILFPRU13SHFE3000
IL-FPR-U14S-HF	ILFPRU14SHFE3000
IL-FPR-U16S-HF	ILFPRU16SHFE3000
IL-FPR-U17S-HF	ILFPRU17SHFE3000
IL-FPR-U18S-HF	ILFPRU18SHFE3000
IL-FPR-U20S-HF	ILFPRU20SHFE3000
IL-FPR-U21S-HF	ILFPRU21SHFE3000
IL-FPR-U22S-HF	ILFPRU22SHFE3000
IL-FPR-U24S-HF	ILFPRU24SHFE3000
IL-FPR-U26S-HF	ILFPRU26SHFE3000
IL-FPR-U28S-HF	ILFPRU28SHFE3000
IL-FPR-U30S-HF	ILFPRU30SHFE3000
IL-FPR-U31S-HF	ILFPRU31SHFE3000
IL-FPR-U32S-HF	ILFPRU32SHFE3000
IL-FPR-U33S-HF	ILFPRU33SHFE3000
IL-FPR-U34S-HF	ILFPRU34SHFE3000
IL-FPR-U35S-HF	ILFPRU35SHFE3000
IL-FPR-U36S-HF	ILFPRU36SHFE3000
IL-FPR-U37S-HF	—
IL-FPR-U38S-HF	ILFPRU38SHFE3000
IL-FPR-U40S-HF	ILFPRU40SHFE3000
IL-FPR-U45S-HF	ILFPRU45SHFE3000
IL-FPR-U50S-HF	ILFPRU50SHFE3000

Manf. Part No. &
anglia Order Code

Loose Taped & Reeled

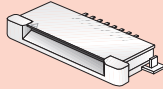
IL-FPR-5S-HF	ILFPR5SHFE3000
IL-FPR-6S-HF	ILFPR6SHFE3000
IL-FPR-7S-HF	ILFPR7SHFE3000
IL-FPR-8S-HF	ILFPR8SHFE3000
IL-FPR-9S-HF	ILFPR9SHFE3000
IL-FPR-10S-HF	ILFPR10SHFE3000
IL-FPR-11S-HF	ILFPR11SHFE3000
IL-FPR-12S-HF	ILFPR12SHFE3000
IL-FPR-13S-HF	ILFPR13SHFE3000
IL-FPR-14S-HF	ILFPR14SHFE3000
IL-FPR-16S-HF	ILFPR16SHFE3000
IL-FPR-17S-HF	ILFPR17SHFE3000
IL-FPR-18S-HF	ILFPR18SHFE3000
IL-FPR-20S-HF	ILFPR20SHFE3000
IL-FPR-21S-HF	ILFPR21SHFE3000
IL-FPR-22S-HF	ILFPR22SHFE3000
IL-FPR-24S-HF	ILFPR24SHFE3000
IL-FPR-26S-HF	ILFPR26SHFE3000
IL-FPR-28S-HF	ILFPR28SHFE3000
IL-FPR-30S-HF	ILFPR30SHFE3000
IL-FPR-31S-HF	ILFPR31SHFE3000
IL-FPR-32S-HF	ILFPR32SHFE3000
IL-FPR-33S-HF	ILFPR33SHFE3000
IL-FPR-34S-HF	ILFPR34SHFE3000
IL-FPR-35S-HF	ILFPR35SHFE3000
IL-FPR-36S-HF	ILFPR36SHFE3000
IL-FPR-37S-HF	ILFPR37SHFE3000
IL-FPR-38S-HF	ILFPR38SHFE3000
IL-FPR-40S-HF	ILFPR40SHFE3000
IL-FPR-45S-HF	ILFPR45SHFE3000
IL-FPR-50S-HF	ILFPR50SHFE3000

1.0mm PITCH

NEW

JAE type IL-402R

A range of high quality, very compact surface mount connectors, with a 1.0mm pitch, designed to accommodate 0.3mm thick, flat flexible cable (FFC) and flexible printed circuits (FPC). Ideal for use in high density applications or equipment where height is severely restricted. Right angle mounting with upper contact configuration.



- ◆ Very compact, 1.0mm pitch
- ◆ Low profile of 2.5mm
- ◆ Accept 0.3mm thick FFC & FPC
- ◆ Zero insertion force (ZIF) utilizing a slide actuator
- ◆ Hold down tabs for additional robustness
- ◆ 4 to 23 ways
- ◆ Supplied taped & reeled

Specification**Materials & Finishes**

Contacts Phosphor bronze/tin plated
 Insulators Glass-filled PPS to UL94V-0
 Hold-down tab Phosphor bronze/tin plated
 Slide actuator Glass filled PPS

Electrical

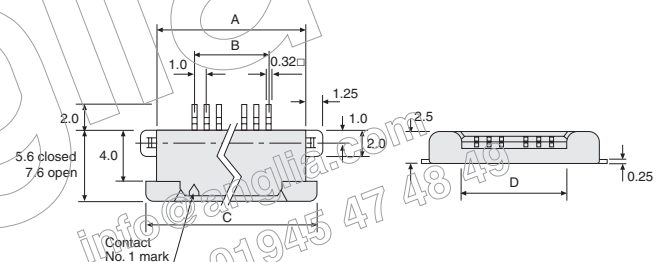
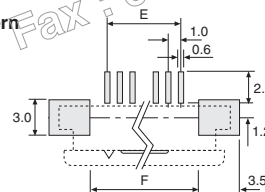
Contact spacing 1.0mm, single row
 Current rating 0.5A
 Operating voltage 200Vac/dc
 Dielectric withstanding voltage 500Vac for 1 minute
 Contact resistance (max.) 20mΩ
 Insulation resistance (min.) 1000MΩ
 Operating temperature range -40°C to +85°C
 Applicable FFC/FPC 1.0mm pitch, 0.3mm thick

**Upper Contacts****Type**

4 way
 7 way
 8 way
 10 way
 11 way
 12 way
 14 way
 15 way
 16 way
 17 way
 18 way
 20 way
 23 way

Manf. Part No.
 & Anglia
 Order Code

IL402R4SS1LSATE
 IL402R7SS1LSATE
 IL402R8SS1LSATE
 IL402R10SS1LSATE
 IL402R11SS1LSATE
 IL402R12SS1LSATE
 IL402R14SS1LSATE
 IL402R15SS1LSATE
 IL402R16SS1LSATE
 IL402R17SS1LSATE
 IL402R18SS1LSATE
 IL402R20SS1LSATE
 IL402R23SS1LSATE

Dimensions (mm)**Pad Pattern**

Ways	A	B	C	D	E	F
4	9	3	10.6	5.2	3	6.1
7	12	6	13.6	8.2	6	9.1
8	13	7	14.6	9.2	7	10.1
10	15	9	16.6	11.2	9	12.1
11	16	10	17.6	12.2	10	13.1
12	17	11	18.6	13.2	11	14.1
14	19	13	20.6	15.2	13	16.1
15	20	14	21.6	16.2	14	17.1
16	21	15	22.6	17.2	15	18.1
17	22	16	23.6	18.2	16	19.1
18	23	17	24.6	19.2	17	20.1
20	25	19	26.6	21.2	19	22.1
23	28	22	29.6	24.2	22	25.1



For the very latest information and news on the full range of JAE products available from Anglia, visit our website :

www.angliac.com/jae

Alternatively, contact our Sales Desk to discuss your specific requirements.

TAICOM 1.0mm PITCH FFC/FPC CONNECTORS shown overleaf > > >

TAICOM type TFPC

NEW

A range of very compact, pcb mounting connectors designed to accommodate 0.3mm thick, flat flexible cable (FFC) and flexible printed circuits (FPC). Ideal for use in high density applications or equipment where height is severely restricted. Choice of 1.0mm pitch in surface mount or 1.25mm pitch in through hole. Custom made, flat flexible cable is available to special order.

Specification

Materials & Finishes

Insulators	
1.0mm pitch	Cream Nylon 6T (housing) Brown PPS (actuator) flame retardant to UL94V-0
1.25mm pitch	White glass filled PBT (ZIF) Black polyester (LIF) flame retardant to UL94V-0
Contacts	Phosphor bronze, tin plated

Electrical

Current rating	0.5A(1.0mm), 1A(1.25mm)
Voltage rating	50Vac/dc
Proof voltage	500Vac
Contact resistance (max.)	20mΩ
Insulation resistance (min.)	1000MΩ

Environmental

Operating temperature range	
1.0mm pitch	-20°C to +85°C
1.25mm pitch	-55°C to +105°C

- ◆ Very compact
- ◆ Accept 0.3mm thick FFC & FPC
- ◆ Ideal for high density/restricted height applications
- ◆ Choice of 1.0mm pitch SMD or 1.25mm pitch through hole
- ◆ 4 to 30 ways

1.0mm PITCH

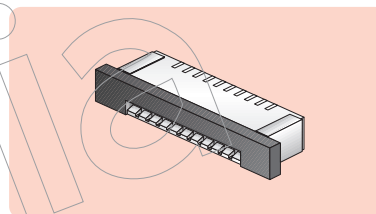
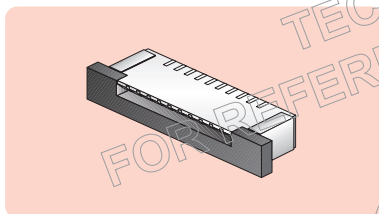


ZIF SOCKETS - right angle

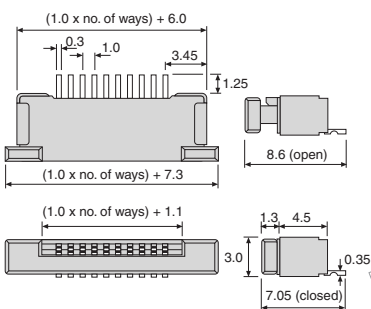
Very low profile, surface mount connectors with zero insertion force (ZIF), side entry contacts on a 1.0mm pitch. A slide actuator securely retains the FFC or FPC in place. Option of contacts in the upper or lower position. Supplied in tubes with taped & reeled product available to special order.

UPPER CONTACTS

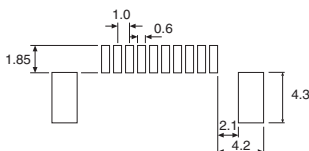
LOWER CONTACTS



Dimensions (mm)



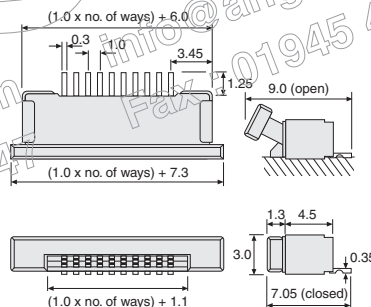
Pad Pattern



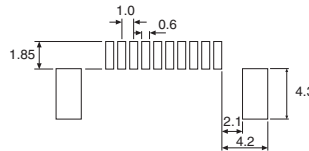
Type

Type	Manf. Part No. & anglia Order Code
4 way	TFPC042RL2SM
5 way	TFPC052RL2SM
6 way	TFPC062RL2SM
7 way	TFPC072RL2SM
8 way	TFPC082RL2SM
9 way	TFPC092RL2SM
10 way	TFPC102RL2SM
11 way	TFPC112RL2SM
12 way	TFPC122RL2SM
13 way	TFPC132RL2SM
14 way	TFPC142RL2SM
15 way	TFPC152RL2SM
16 way	TFPC162RL2SM
17 way	TFPC172RL2SM
18 way	TFPC182RL2SM
19 way	TFPC192RL2SM
20 way	TFPC202RL2SM
21 way	TFPC212RL2SM
22 way	TFPC222RL2SM
23 way	TFPC232RL2SM
24 way	TFPC242RL2SM
25 way	TFPC252RL2SM
26 way	TFPC262RL2SM
27 way	TFPC272RL2SM
28 way	TFPC282RL2SM
29 way	TFPC292RL2SM
30 way	TFPC302RL2SM

Dimensions (mm)



Pad Pattern



Type

Type	Manf. Part No. & anglia Order Code
4 way	TFPC042RL1SM
5 way	TFPC052RL1SM
6 way	TFPC062RL1SM
7 way	TFPC072RL1SM
8 way	TFPC082RL1SM
9 way	TFPC092RL1SM
10 way	TFPC102RL1SM
11 way	TFPC112RL1SM
12 way	TFPC122RL1SM
13 way	TFPC132RL1SM
14 way	TFPC142RL1SM
15 way	TFPC152RL1SM
16 way	TFPC162RL1SM
17 way	TFPC172RL1SM
18 way	TFPC182RL1SM
19 way	TFPC192RL1SM
20 way	TFPC202RL1SM
21 way	TFPC212RL1SM
22 way	TFPC222RL1SM
23 way	TFPC232RL1SM
24 way	TFPC242RL1SM
25 way	TFPC252RL1SM
26 way	TFPC262RL1SM
27 way	TFPC272RL1SM
28 way	TFPC282RL1SM
29 way	TFPC292RL1SM
30 way	TFPC302RL1SM



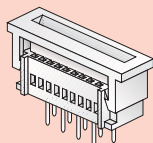
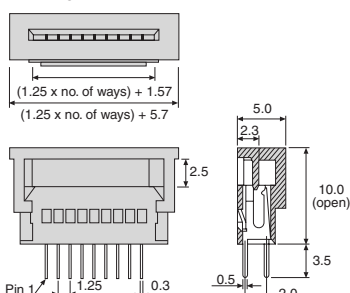
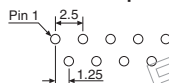
Custom made, flat flexible cable (FFC)
available to special order
Please contact our Sales Desk

1.25mm PITCH


A series of through hole connectors with contacts on a 1.25mm pitch. Option of zero insertion force (ZIF) or low insertion force (LIF) sockets. A choice of straight (top entry) or right angle (low profile) mounting is provided throughout. Supplied in tubes.

ZIF SOCKETS

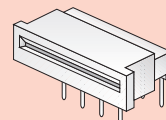
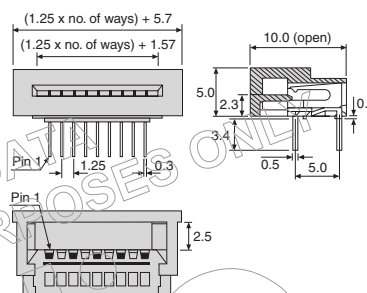
Incorporate a slide actuator to securely retain the FFC or FPC in place.

STRAIGHT

Dimensions (mm)
TOP ENTRY

Footprint

Type

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
26 way
27 way
28 way
29 way
30 way

Manf. Part No. & anglia Order Code

TFPC041SL
TFPC051SL
TFPC061SL
TFPC071SL
TFPC081SL
TFPC091SL
TFPC101SL
TFPC111SL
TFPC121SL
TFPC131SL
TFPC141SL
TFPC151SL
TFPC161SL
TFPC171SL
TFPC181SL
TFPC191SL
TFPC201SL
TFPC211SL
TFPC221SL
TFPC231SL
TFPC241SL
TFPC251SL
TFPC261SL
TFPC271SL
TFPC281SL
TFPC291SL
TFPC301SL

RIGHT ANGLE

Dimensions (mm)
SIDE ENTRY

Footprint

Type

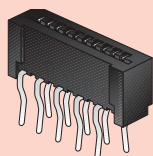
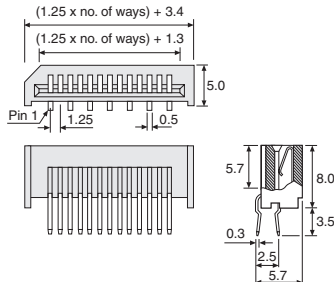
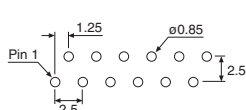
4 way
5 way
6 way
7 way
8 way
9 way
10 way
11 way
12 way
13 way
14 way
15 way
16 way
17 way
18 way
19 way
20 way
21 way
22 way
23 way
24 way
25 way
26 way
27 way
28 way
29 way
30 way

Manf. Part No. & anglia Order Code

TFPC041RL
TFPC051RL
TFPC061RL
TFPC071RL
TFPC081RL
TFPC091RL
TFPC101RL
TFPC111RL
TFPC121RL
TFPC131RL
TFPC141RL
TFPC151RL
TFPC161RL
TFPC171RL
TFPC181RL
TFPC191RL
TFPC201RL
TFPC211RL
TFPC221RL
TFPC231RL
TFPC241RL
TFPC251RL
TFPC261RL
TFPC271RL
TFPC281RL
TFPC291RL
TFPC301RL

LIF SOCKETS

Incorporate kinked terminals to aid board retention during soldering.

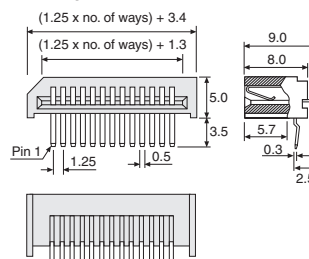
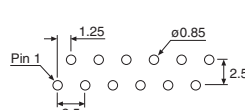
STRAIGHT

Dimensions (mm)
TOP ENTRY

Footprint

Type

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
26 way
27 way
28 way
29 way
30 way

Manf. Part No. & anglia Order Code

TFPC041S
TFPC051S
TFPC061S
TFPC071S
TFPC081S
TFPC091S
TFPC101S
TFPC111S
TFPC121S
TFPC131S
TFPC141S
TFPC151S
TFPC161S
TFPC171S
TFPC181S
TFPC191S
TFPC201S
TFPC211S
TFPC221S
TFPC231S
TFPC241S
TFPC251S
TFPC261S
TFPC271S
TFPC281S
TFPC291S
TFPC301S

RIGHT ANGLE

Dimensions (mm)
SIDE ENTRY

Footprint

Type

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
26 way
27 way
28 way
29 way
30 way

Manf. Part No. & anglia Order Code

TFPC041R
TFPC051R
TFPC061R
TFPC071R
TFPC081R
TFPC091R
TFPC101R
TFPC111R
TFPC121R
TFPC131R
TFPC141R
TFPC151R
TFPC161R
TFPC171R
TFPC181R
TFPC191R
TFPC201R
TFPC211R
TFPC221R
TFPC231R
TFPC241R
TFPC251R
TFPC261R
TFPC271R
TFPC281R
TFPC291R
TFPC301R