

Standard Density IDC 0.05" Cable Pitch - continued

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- A range of high quality ribbon cable connectors manufactured to comply with UL recognised and CSA specifications.
- Bump polarised female sockets used with the clip polarised header give both bump and clip polarisation.

Housing	PBT and Polycarbonate, UL94V-0
Contact material	Phosphor Bronze, Gold palladium over nickel plating
Mechanical endurance	500 cycles
Operating temperature	-55°C to +105°C
Max PCB thickness (header pins)	1.6mm
PCB pin spacing (headers)	(0.1")2.54mm
PCB hole size (headers)	Min0.8mm
Dielectric withstanding voltage	500Vac for 1 minute
Current rating	1Acd unless otherwise stated
Voltage rating	250Vac max
Contact resistance, mated	20mRmax @ 5V dc, 0.3A
Insulation resistance	1000MRmin @ 500V dc

208805

Female Socket (with strain relief)



Bump/Clip polarisation 145-004 Clip polarisation 145-011

Mfrs. List No. Bump/clip = FCN707B0xxAU0, Clip = FCN707J0xxAU0 where xx = No of ways
Polarisation Kwy = FCN700A1

No. of Ways	Order Code	1+	25+	100+	250+	+	+
Bump/clip Polarisation							
10*	145-001	137.00	115.00	102.00	83.00	--	--
10*	109-7316	154.00	129.00	117.00	104.00	--	--
16	145-002	214.00	178.00	157.00	129.00	--	--
16	109-7317	243.00	201.00	180.00	164.00	--	--
20	145-003	226.00	189.00	167.00	137.00	--	--
20	109-7318	257.00	215.00	194.00	173.00	--	--
26	145-004	268.00	224.00	199.00	163.00	--	--
26	109-7319	304.00	254.00	231.00	207.00	--	--
34	145-005	318.00	265.00	235.00	193.00	--	--
34	109-7320	361.00	300.00	272.00	246.00	--	--
40	145-006	341.00	284.00	253.00	207.00	--	--
40	109-7321	386.00	322.00	293.00	262.00	--	--
50	145-007	404.00	338.00	301.00	244.00	--	--
50	109-7322	458.00	382.00	349.00	310.00	--	--
Clip Polarisation							
10	145-009	131.00	108.00	99.00	80.00	--	--
10	109-7323	148.00	121.00	114.00	102.00	--	--
16	145-010	204.00	172.00	151.00	124.00	--	--
16	109-7324	232.00	196.00	174.00	156.00	--	--
34	145-013	301.00	250.00	223.00	181.00	--	--
34	109-7326	344.00	287.00	262.00	234.00	--	--
40	152-277	322.00	268.00	238.00	196.00	--	--
40	109-7371	336.00	280.00	254.00	227.00	--	--

219648

	Order Code	1+	50+	100+
Polarisation Key for insertion into individual sockets (strip of 10)	150-663	61.00	55.00	49.00
*Bump polarisation only	109-7369	69.00	63.00	57.00

Male PCB Mounting Headers (with latches)
Bump and Clip Polarisation



Vertical PCB mounting 145-020 Right angle PCB mounting 145-029
Mounting holes accept M2.5 bolts or No 4 self tappers

Fixing Centres	10	15	20	26	34	40	50
No. of Ways							
Vertical	27.9	35.5	40.6	48.3	58.4	66	78.7
90°	21.8	29.4	34.5	42.2	52.3	59.9	72.6

Mfrs. List No. Straight = FCN704Q0xxAUM except 145-025 = FCN704G010-AUM,
90° = FCN705G0xxAUM where xx = No of ways Key = FCN700A2

208808

No. of Ways	Order Code	1+	25+	100+	250+	+	+
Straight PCB Pins (Bump or Clip Polarisation) bump only							
10	145-025	141.00	112.00	92.00	68.00	--	--
10	109-7332	160.00	126.00	106.00	86.00	--	--
16	145-018	216.00	171.00	140.00	103.00	--	--
16	109-7327	245.00	194.00	162.00	132.00	--	--
20	145-019	226.00	179.00	147.00	108.00	--	--
20	109-7328	258.00	203.00	169.00	138.00	--	--
26	145-020	287.00	226.00	187.00	138.00	--	--
26	109-7329	326.00	257.00	216.00	176.00	--	--
34	152-278	346.00	272.00	226.00	164.00	--	--
34	109-7372	392.00	309.00	261.00	212.00	--	--
40	145-022	385.00	303.00	251.00	183.00	--	--
40	109-7330	437.00	343.00	291.00	238.00	--	--
50	145-023	444.00	348.00	287.00	212.00	--	--
50	109-7331	504.00	395.00	332.00	274.00	--	--
90° PCB Pins (Bump and Clip Polarisation) bump only							
10	145-034	141.00	112.00	92.00	68.00	--	--
10	109-7338	160.00	126.00	106.00	86.00	--	--
16	145-027	216.00	171.00	140.00	103.00	--	--
16	109-7333	245.00	194.00	162.00	132.00	--	--
20	152-279	224.00	177.00	145.00	107.00	--	--
20	109-7373	257.00	204.00	170.00	138.00	--	--
34	145-030	342.00	269.00	223.00	162.00	--	--
34	109-7334	392.00	309.00	261.00	212.00	--	--
40	145-031	385.00	303.00	251.00	183.00	--	--
40	109-7335	437.00	343.00	291.00	238.00	--	--
50	145-032	444.00	348.00	287.00	212.00	--	--
50	109-7336	504.00	396.00	332.00	274.00	--	--
Order polarisation key separately, 2 off for 16-60 way, 1 off for 10 way							
				Price Each			
				10+	50+	100+	
Polarisation Key		150-664		6.00	5.00	5.00	
Polarisation Key		109-7370		8.00	7.00	7.00	

Latch

Female Sockets



- Manufactured in accordance with **DIN41651**
- Polarization slots
- Centre polarization
- Class 3 (50 insertion cycles) or class 1 (500 insertion cycles)
- Cable grid 1.27 mm 30AWG (0.05 mm²)



Single conductor, 32AWG (0.03 mm²) braid

- Approvals: **UL, CSA**

Contacts:	CuSn, 0.2 μm gold Requirement level 1	Insulation resistance:	10 ⁹ Ω
	CuSn, 0.8 μm gold Requirement level 3	Volume resistance:	≤30 mΩ
		Test voltage:	1 kV
Housing:	Polyester, UL94V-0	Temperature range:	-55°C to +105°C

239314

No. of Ways	Mfrs. List No.	Order Code	1+	10+	50+	100+
Strain relief						
10	1-100103-0	381-5614	9.00	7.00	6.00	6.00
14	1-100103-4	381-5626	9.00	7.00	6.00	6.00
16	1-100103-6	381-5638	9.00	7.00	6.00	6.00
20	2-100103-0	381-5640	9.00	7.00	6.00	6.00
26	2-100103-6	381-5651	10.00	8.00	7.00	6.00
34	3-100103-4	381-5663	10.00	8.00	7.00	6.00
40	4-100103-0	381-5675	10.00	8.00	7.00	6.00
50	5-100103-0	381-5687	10.00	8.00	7.00	6.00
Socket, class 3						
10	1-215911-0	381-5699	35.00	29.00	27.00	28.00
14	1-215911-4	381-5705	41.00	33.00	30.00	31.00
16	1-215911-6	381-5717	45.00	36.00	33.00	31.00
20	2-215911-0	381-5729	49.00	41.00	37.00	35.00
26	2-215911-6	381-5730	58.00	49.00	45.00	43.00
34	3-215911-4	381-5742	63.00	53.00	48.00	49.00
40	4-215911-0	381-5754	72.00	59.00	54.00	51.00
50	5-215911-0	381-5766	84.00	70.00	63.00	64.00
Socket, class 1						
10	1-215882-0	381-5778	37.00	31.00	30.00	29.00
14	1-215882-4	381-5780	43.00	34.00	32.00	31.00
16	1-215882-6	381-5791	47.00	40.00	36.00	36.00
20	2-215882-0	381-5808	52.00	43.00	39.00	39.00
26	2-215882-6	381-5810	64.00	53.00	51.00	49.00
34	3-215882-4	381-5821	71.00	58.00	53.00	53.00
40	4-215882-0	381-5833	79.00	66.00	59.00	61.00
50	5-215882-0	381-5845	95.00	78.00	71.00	75.00