



CINCH

Moulded Edge Connectors

Greenline modular series 2,54 mm pitch



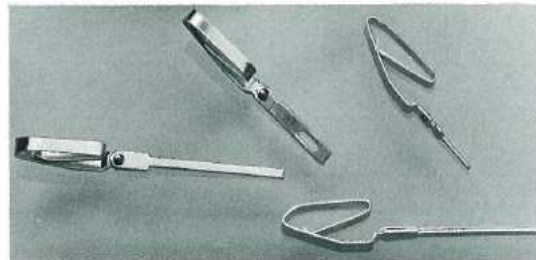
Glass filled D.A.P. mouldings are offered in a maximum of 90 ways and equipped with bellows form copper alloy contact springs to provide a smooth, low insertion of the P.C. Board for minimum wear. A variety of wiring terminals, end fix brackets and polarising/locating keys are available.

Features

- Up to 90 contact pairs
- D.A.P. moulding
- Selective gold plating
- 'Lock-in' locating key
- Contact identification (optional)

Materials and finishes

Moulding	Glass filled, flame retardant diallyl phthalate, green
Contact springs	Copper alloy
End fix brackets	
Metal	Brass nickel plated
Plastic	Nylon, white
Polarising/ Locating key	High impact thermoplastic
Finish Codes	
L	5.0 microns (average) hard gold on mating surfaces and 0.5 microns gold elsewhere
F	0.5 microns hard gold, all over
S	7.5 microns silver plate, all over
N	5.0 microns nickel plate – mechanical backing contact springs only.



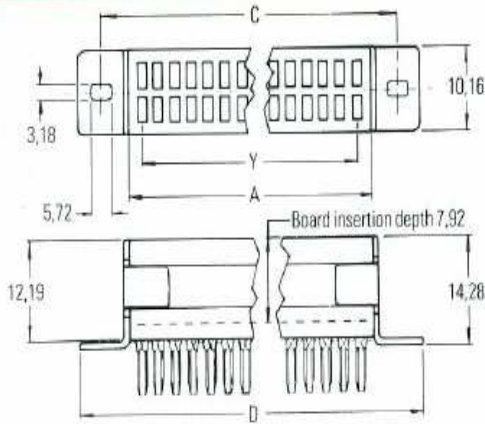
Technical data

Number of ways	5 to 90 (with metal end fix brackets) 5 to 88 (with moulded end fix brackets)
Contact Pitch	2,54 mm
Working Voltage	700 V DC or AC peak at sea level
Current Rating	5 amperes DC or AC RMS per contact at 25°C
Acceptable P.C. Board Thicknesses	1,42 mm to 1,83 mm
Contact Resistance	15 milliohms max. with 1,42 mm min. P.C. Board (including material resistance of contacts)
Insertion Force	2,23 N max. per way with 1,57 mm nominal P.C. Board
Extraction Force	0,28 N min. per way with 1,42 mm min. P.C. Board
Temperature Range	-55°C to + 110°C

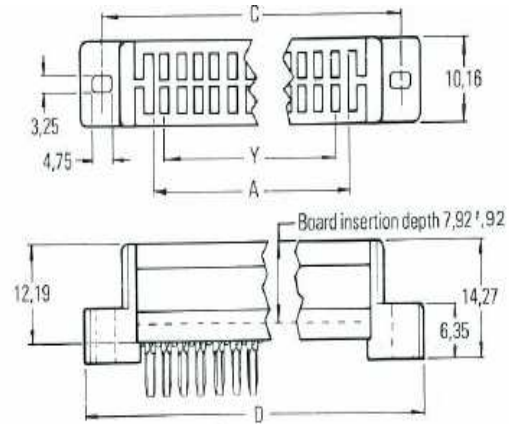


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Shown with Metal End Fix Brackets 'G' or 'H'
All dimensions are in millimetres



Shown with Plastic End Fix Brackets 'F'

No. of ways	A ± 0.13	C ± 1.02		D ± 1.02		Y
		Metal End Fixes	Plastic End Fixes	Metal End Fixes	Plastic End Fixes	
5	13,66	27,94	31,50	37,46	40,10	10,16
6	16,20	30,48	34,00	40,00	42,70	12,70
7	18,74	33,02	36,60	42,54	45,20	15,24
8	21,28	35,56	39,10	45,08	47,70	17,78
9	23,82	38,10	41,70	47,62	50,30	20,32
10	26,36	40,64	44,20	50,16	52,80	22,86
11	28,90	43,18	46,80	52,70	55,40	25,40
12	31,44	45,72	49,30	55,24	57,90	27,94
13	33,98	48,26	51,80	57,78	60,50	30,48
14	36,52	50,80	54,40	60,32	63,00	33,02
15	39,06	53,34	56,90	62,86	65,50	35,56
16	41,60	55,88	59,40	65,40	68,10	38,10
17	44,14	58,42	62,00	67,94	70,60	40,64
18	46,68	60,96	64,50	70,48	73,10	43,18
19	49,22	63,50	67,10	73,02	75,70	45,72
20	51,76	66,04	69,60	75,56	78,20	48,26
21	54,30	68,58	72,10	78,10	80,80	50,80
22	56,84	71,12	74,70	80,64	83,30	53,34
23	59,38	73,66	77,20	83,18	85,80	55,88
24	61,92	76,20	79,80	85,72	88,40	58,42
25	64,46	78,74	82,30	88,26	90,90	60,96
26	67,00	81,28	84,80	90,80	93,50	63,50
27	69,54	83,82	87,40	93,34	96,00	66,04
28	72,08	86,36	90,00	95,88	98,50	68,58
29	74,62	88,90	92,50	98,42	101,10	71,12
30	77,16	91,44	95,00	100,96	103,60	73,66
31	79,70	93,98	97,50	103,50	106,20	76,20
32	82,24	96,52	100,00	106,04	108,70	78,74
33	84,78	99,06	102,60	108,58	111,20	81,28
34	87,32	101,60	105,20	111,12	113,80	83,82
35	89,86	104,14	107,70	113,66	116,30	86,36
36	92,40	106,68	110,20	116,20	118,90	88,90
37	94,94	109,22	112,70	118,74	121,40	91,44
38	97,48	111,76	115,30	121,28	123,90	93,98
39	100,02	114,30	117,80	123,82	126,50	96,52
40	102,56	116,84	120,40	126,36	129,00	99,06
41	105,10	119,38	122,90	128,90	131,60	101,60
42	107,64	121,92	125,50	131,44	134,10	104,14
43	110,18	124,46	128,00	133,98	136,60	106,68
44	112,72	127,00	130,60	136,52	139,20	109,22
45	115,26	129,54	133,10	139,06	141,70	111,76
46	117,80	132,08	135,70	141,60	144,30	114,30
47	120,34	134,62	138,20	144,14	146,80	116,84

No. of ways	A ± 0.13	C ± 1.02		D ± 1.02		Y
		Metal End Fixes	Plastic End Fixes	Metal End Fixes	Plastic End Fixes	
48	122,88	137,16	140,70	146,68	149,30	119,38
49	125,42	139,70	143,30	149,22	151,90	121,92
50	127,96	142,24	145,80	151,76	154,40	124,46
51	130,50	144,78	148,30	154,30	156,90	127,00
52	133,04	147,32	150,90	156,84	159,50	129,54
53	135,58	149,86	153,40	159,38	162,00	132,08
54	138,12	152,40	155,90	161,92	164,60	134,62
55	140,66	154,94	158,50	164,46	167,10	137,16
56	143,20	157,48	161,00	167,00	169,70	139,70
57	145,74	160,02	163,60	169,54	172,20	142,24
58	148,28	162,56	166,10	172,08	174,70	144,78
59	150,82	165,10	168,70	174,62	177,30	147,32
60	153,36	167,64	171,20	177,16	179,80	149,86
61	155,90	170,18	173,70	179,70	182,40	152,40
62	158,44	172,72	176,30	182,24	184,90	154,94
63	160,98	175,26	178,80	184,78	187,40	157,48
64	163,52	177,80	181,30	187,32	190,00	160,02
65	166,07	180,34	183,90	189,86	192,50	162,56
66	168,61	182,88	186,40	192,40	195,10	165,10
67	171,15	185,42	188,90	194,94	197,60	167,64
68	173,69	187,96	191,50	197,48	200,20	170,18
69	176,23	190,50	194,10	200,02	202,70	172,72
70	178,77	193,04	196,60	202,56	205,20	175,26
71	181,31	195,58	199,10	205,10	207,80	177,80
72	183,85	198,12	201,70	207,64	210,30	180,34
73	186,39	200,66	204,20	210,18	212,90	182,88
74	188,93	203,20	206,80	212,72	215,40	185,42
75	191,47	205,74	209,30	215,26	217,90	187,96
76	194,01	208,28	211,80	217,80	220,50	190,50
77	196,55	210,82	214,40	220,34	223,00	193,04
78	199,09	213,36	216,90	222,88	225,60	195,58
79	201,63	215,90	219,50	225,42	228,10	198,12
80	204,17	218,44	222,00	227,96	230,60	200,66
81	206,71	220,98	224,50	230,50	233,20	203,20
82	209,25	223,52	227,10	233,04	235,70	205,74
83	211,79	226,06	229,60	235,58	238,30	208,28
84	214,33	228,60	232,20	238,12	240,80	210,82
85	216,87	231,14	234,70	240,66	243,30	213,36
86	219,41	233,68	237,20	243,20	245,90	215,90
87	221,95	236,22	239,80	245,74	248,40	218,44
88	224,49	238,76	242,30	248,28	251,00	220,98
89	227,03	241,30	244,90	250,82	253,50	223,52
90	229,57	243,84	247,40	253,56	256,10	226,06

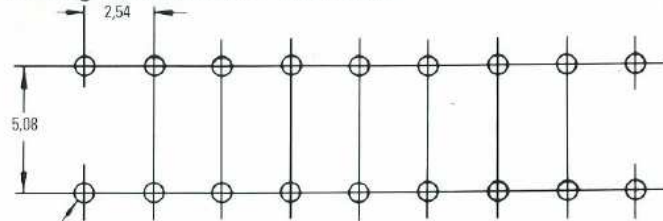


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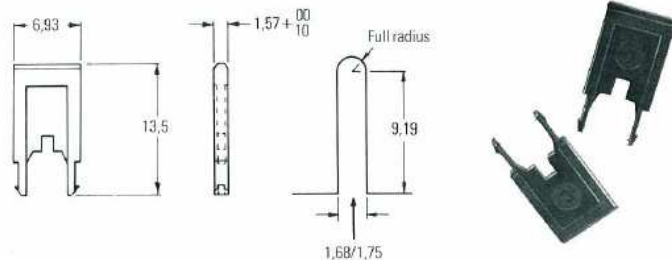
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Recommended Board Piercing details for Through Board Solder Terminals



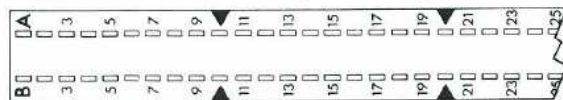
0,71 Dia holes
Double Row

Accessories



Recommended board slot details

1,75 may be exceeded if slot used for polarisation only



Polarising/Locating Key

Polarising/Locating Key. Code reference E. Occupies a position in place of a pair of opposing contacts. Usually supplied factory fitted in designated position. If required see "How to order". Alternatively may be supplied loose to suit customer assembly options.

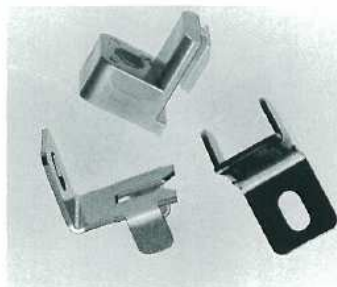
When supplied loose order Part number

P50 00299 00 000 000

Contact Identification (optional)

To assist wiring identification the termination side of the connector moulding may be offered with "Zonal" markings in white. Alternative contact positions are numbered and each tenth position denoted by "filled in" arrow heads. The two rows of contact apertures are identified 'A' and 'B'.

End Fix Brackets



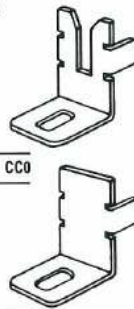
Metal End fixes supplied separately
(Not Available)

Style 'H'
'Open ended'
Order part number

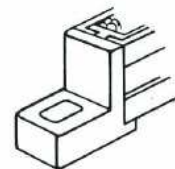
R50 00042 00 00 CC0

Style 'G'
'Closed ended'
Order part number

R50 00041 00 000 CC0



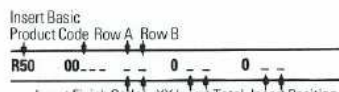
Plastic End Fixes supplied fitted in positions



Style 'F'
'Closed ended'
Patented plastics end fix mouldings occupy the first and last apertures to provide a maximum of 88 ways.

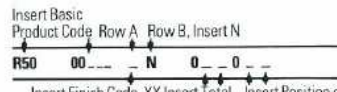
How to order

Select terminal option required and complete the relevant part number code as follows.



Insert Finish Codes LL, AA, FF or SS XX Insert Total No. of ways Insert Position of key.

Double sided



Insert Finish Code XX Insert Total No. of ways Insert Position of key

Single sided

XXTotal number of ways. This is the total number of contact positions plus the position occupied by a key if specified.