

Ribbon cables - Flat cable- p.0,635 mm



SPECIFICATIONS

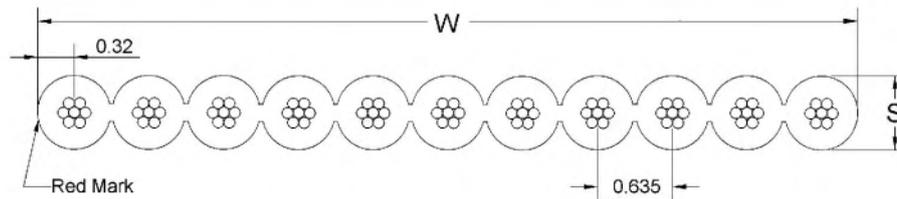
Insulation Resistance: 100 MΩ/km
 Voltage Rating: 150V
 Electrical resistance: 377 Ohm/km max.
 Impedence: 105 Ohm
 Capacitance: 80 pF/m.
 Propagation delay time: 5.6 ns/m
 Dielectric strength test: 2.5KV/min
 Rate Temperature: 105°C

MATERIALS

Insulator: Polyvynil chloride (PVC)
 Conductor: Stranded copper wire

FEATURES

size 20 to 100 poles
 UL Listing 2678
 Passed UL VW-1 flame test
 Packaging reel



Poles	Part. No.	W (mm)	S (mm)
20	RY101-063/20	12,70	0,66
25	RY101-063/25	15,88	0,66
26	RY101-063/26	16,51	0,66
34	RY101-063/34	21,59	0,66
40	RY101-063/40	25,40	0,66
50	RY101-063/50	31,75	0,66
60	RY101-063/60	38,10	0,66
68	RY101-063/68	43,18	0,66
80	RY101-063/80	50,80	0,66
100	RY101-063/100	63,50	0,66

**SPECIFICATIONS**

Insulation Resistance: >100 MΩ/km

Voltage Rating: 300V

Conductor resistance: 237 Ohm/km

Impedance: 100 Ohm

Capacitance: 55 pF/m

Propagation delay time : 4,65 ns/m

Dielectric strength test: 2KV/minute

Rate Temperature: 105°C

MATERIALS

Insulator: Self-extinguishing PVC

Conductor: Stranded copper wire

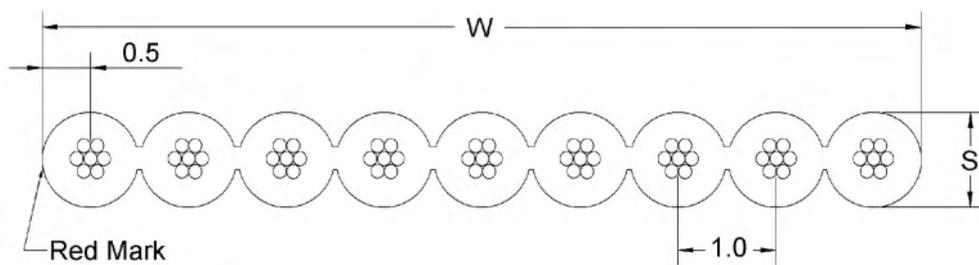
FEATURES

Size 6 to 68 poles

UL Listing 2651

Passed UL VW-1 flame test

Packaging reel

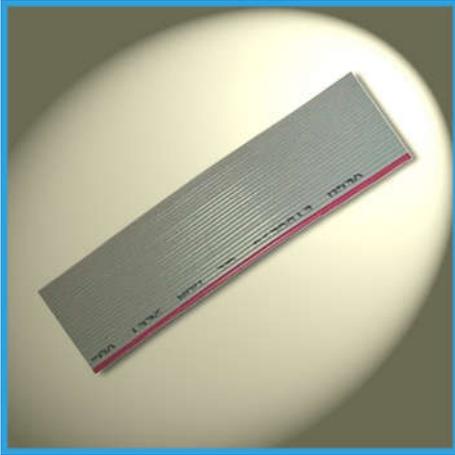


Poles	Part. No.	F.strands/mm	W (mm)	S (mm)
6	RY101-100/06	7/0,127	6,00	0,90
8	RY101-100/08	7/0,127	8,00	0,90
10	RY101-100/10	7/0,127	10,00	0,90
12	RY101-100/12	7/0,127	12,00	0,90
14	RY101-100/14	7/0,127	14,00	0,90
18	RY101-100/18	7/0,127	18,00	0,90
20	RY101-100/20	7/0,127	20,00	0,90
22	RY101-100/22	7/0,127	22,00	0,90
24	RY101-100/24	7/0,127	24,00	0,90
26	RY101-100/26	7/0,127	26,00	0,90
28	RY101-100/28	7/0,127	28,00	0,90
30	RY101-100/30	7/0,127	30,00	0,90
32	RY101-100/32	7/0,127	32,00	0,90
34	RY101-100/34	7/0,127	34,00	0,90
36	RY101-100/36	7/0,127	36,00	0,90
38	RY101-100/38	7/0,127	38,00	0,90
40	RY101-100/40	7/0,127	40,00	0,90
42	RY101-100/42	7/0,127	42,00	0,90
44	RY101-100/44	7/0,127	44,00	0,90
46	RY101-100/46	7/0,127	46,00	0,90
48	RY101-100/48	7/0,127	48,00	0,90
50	RY101-100/50	7/0,127	50,00	0,90
60	RY101-100/60	7/0,127	60,00	0,90
64	RY101-100/64	7/0,127	64,00	0,90
68	RY101-100/68	7/0,127	68,00	0,90

RIBBON & FLAT WIRE CABLES AND CONNECTORS

B

Ribbon cables - Flat cable- p. 1,27 mm



SPECIFICATIONS

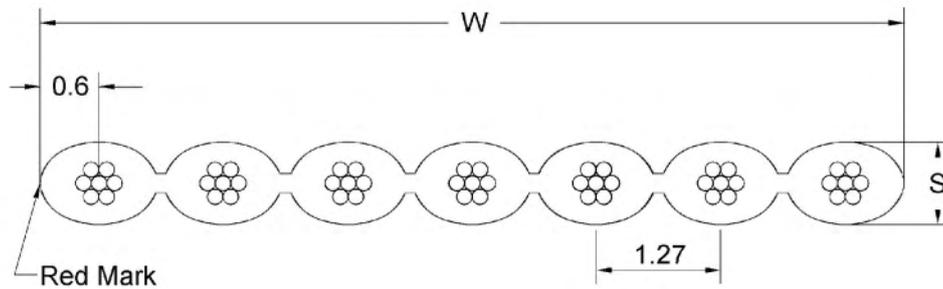
Insulation Resistance: >100 MOhm/Km
 Voltage Rating: 300V AC
 Conductor resistance: 214 Ohm/km
 Impedence: 105 Ohm
 Capacitance: 45 pF/m
 Propagation delay : 4,7 ns/m
 Dielectric strength test: 2,5KV/min.
 Rate Temperature: 105°C

MATERIALS

Insulator: Self-extinguishing PVC
 Conductor: Stranded copper wire

FEATURES

Size 6 to 64 poles
 UL Listing 2651
 Passed UL VW-1 flame test
 Packaging reel



Poles	Part. No.	F.strands/mm	W (mm)	S (mm)
6	RY101-127/06	7/0,127	7,62	0,89
10	RY101-127/10	7/0,127	12,70	0,89
12	RY101-127/12	7/0,127	15,24	0,89
14	RY101-127/14	7/0,127	17,78	0,89
15	RY101-127/15	7/0,127	19,05	0,89
16	RY101-127/16	7/0,127	20,32	0,89
20	RY101-127/20	7/0,127	25,40	0,89
24	RY101-127/24	7/0,127	30,48	0,89
25	RY101-127/25	7/0,127	31,75	0,89
26	RY101-127/26	7/0,127	33,02	0,89
30	RY101-127/30	7/0,127	38,10	0,89
34	RY101-127/34	7/0,127	43,18	0,89
36	RY101-127/36	7/0,127	47,72	0,89
37	RY101-127/37	7/0,127	48,99	0,89
40	RY101-127/40	7/0,127	50,80	0,89
44	RY101-127/44	7/0,127	55,88	0,89
50	RY101-127/50	7/0,127	63,50	0,89
60	RY101-127/60	7/0,127	76,20	0,89
64	RY101-127/64	7/0,127	81,28	0,89



SPECIFICATIONS

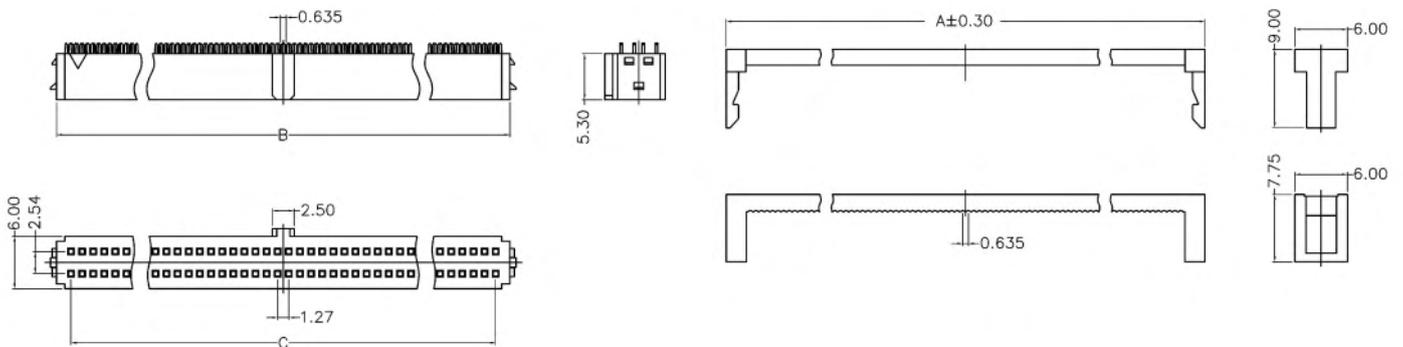
Current Rating: 0.5 A
 Withstanding Voltage: 500V AC/minute
 Insulation Resistance: 1000 MΩ min.
 Temperature Range: -40°C ~ +105°C
 Contact Resistance: 20 mΩ max.

FEATURES

Size 10 to 100 poles
 Suitable for 0,635 mm ribbon cable
 Mate with box header p.1,27x2,54 mm
 Packaging tray

MATERIAL

Insulator: G.F. PBT, UL94V-0
 Contact: Copper alloy
 Plating: Selective gold over Nickel



Poles	Part. No.	A (mm)	B (mm)	C (mm)
10	86F10891-0	11,35	8,45	5,08
16	86F16891-0	15,16	12,26	8,89
20	86F20891-0	17,70	14,80	11,43
26	86F26891-0	21,51	18,61	15,24
30	86F30891-0	24,05	21,5	17,78
34	86F34891-0	26,59	23,69	20,32
40	86F40891-0	30,40	27,50	24,13
50	86F50891-0	36,75	33,85	30,48
60	86F60891-0	43,10	40,20	36,83
68	86F68891-0	48,18	45,28	41,91
80	86F80891-0	55,80	52,90	48,53
100	86F100891-0	68,50	65,60	62,23

RIBBON & FLAT WIRE CABLES AND CONNECTORS

Ribbon cable connectors - IDC socket p.2,0 mm

B



SPECIFICATIONS

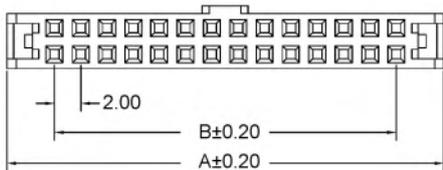
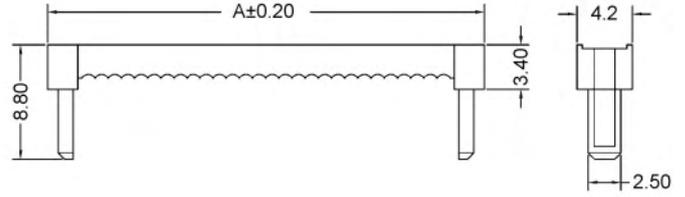
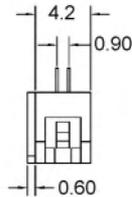
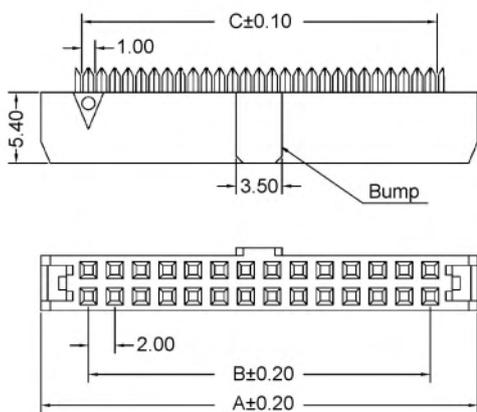
Current Rating: 1 A
 Withstanding Voltage: 500V AC/minute
 Insulation Resistance: 500 MΩ min.
 Temperature Range: -55°C ~ +125°C
 Contact Resistance: 20 mΩ max.

FEATURES

Size 6 to 100 poles
 Suitable for 1,00 mm ribbon cable
 Mate with box header p.2,0 mm
 Optional polarizing bump
 Packaging tray

MATERIAL

Insulator: G.F. PBT, UL94V-0
 Contact: Copper alloy
 Plating: Selective gold over Nickel



Poles	P/N w/o pol.	P/N w/polar.	A (mm)	B (mm)	C (mm)	Poles	P/N w/o pol.	P/N w/polar.	A (mm)	B (mm)	C (mm)
6	86F06891-2	86F06891-2P	11,40	4,00	5,00	50	86F50891-2	86F50891-2P	55,40	18,00	19,00
8	86F08891-2	86F08891-2P	13,40	6,00	7,00	54	86F54891-2	86F54891-2P	59,40	22,00	23,00
10	86F10891-2	86F10891-2P	15,40	8,00	9,00	50	86F50891-2	86F50891-2P	55,40	52,00	53,00
12	86F12891-2	86F12891-2P	17,40	10,00	11,00	54	86F54891-2	86F54891-2P	59,40	56,00	57,00
14	86F14891-2	86F14891-2P	19,40	12,00	13,00	56	86F56891-2	86F56891-2P	61,40	58,00	59,00
16	86F16891-2	86F16891-2P	21,40	14,00	15,00	60	86F60891-2	86F60891-2P	65,40	62,00	63,00
18	86F18891-2	86F18891-2P	23,40	16,00	17,00	64	86F64891-2	86F64891-2P	69,40	64,00	65,00
20	86F20891-2	86F20891-2P	25,40	20,00	21,00	68	86F68891-2	86F68891-2P	73,40	66,00	67,00
22	86F22891-2	86F22891-2P	27,40	24,00	25,00	80	86F80891-2	86F80891-2P	85,40	78,00	79,00
24	86F24891-2	86F24891-2P	29,40	26,00	27,00	100	86F100891-2	86F100891-2P	105,40	98,00	99,00
26	86F26891-2	86F26891-2P	31,40	28,00	29,00						
28	86F28891-2	86F28891-2P	33,40	30,00	31,00						
30	86F30891-2	86F30891-2P	35,40	32,00	33,00						
32	86F32891-2	86F32891-2P	37,40	34,00	35,00						
34	86F34891-2	86F34891-2P	39,40	36,00	37,00						
36	86F36891-2	86F36891-2P	41,40	38,00	39,00						
38	86F38891-2	86F38891-2P	43,40	40,00	41,00						
40	86F40891-2	86F40891-2P	45,40	42,00	43,00						
44	86F44891-2	86F44891-2P	49,40	46,00	47,00						
48	86F48891-2	86F48891-2P	53,40	50,00	51,00						



SPECIFICATIONS

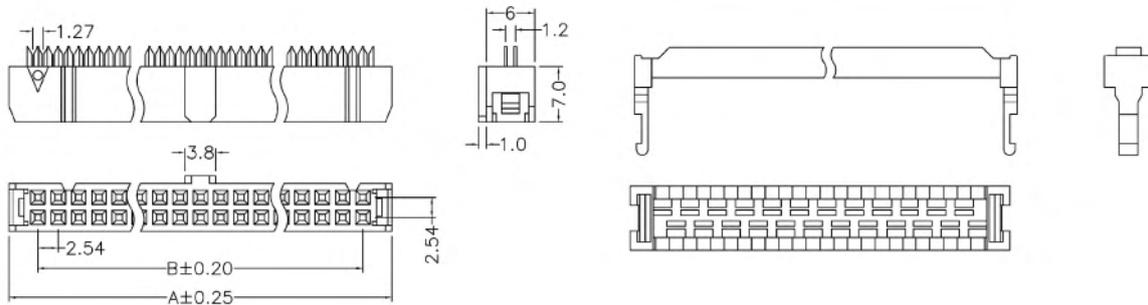
Current Rating: 1 A
 Withstanding Voltage: 500V AC/minute
 Insulation Resistance: 1000 MΩ min.
 Temperature Range: -40°C ~ +105°C
 Contact Resistance: 20 mΩ max.

FEATURES

Size 6 to 64 poles
 Suitable for 1,27 mm ribbon cable
 Conforming to DIN 41651 Industry standard
 Mate with box header p.2,54 mm
 Packaging tray

MATERIAL

Insulator: G.F. PBT, UL94V-0
 Contact: Phosphor bronze
 Plating: Selective gold over Nickel

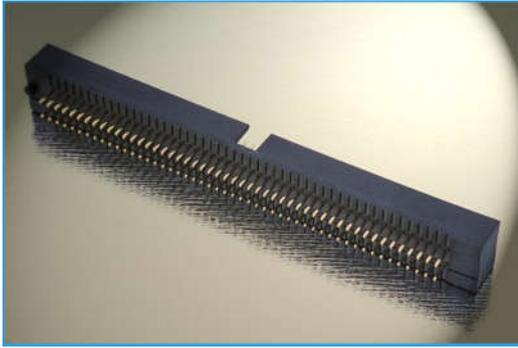


Poles	Part. No.	A (mm)	B (mm)
6	86F06891-B	12,20	5,08
8	86F08891-B	14,80	7,62
10	86F10891-B	17,30	11,16
12	86F12891-B	19,80	12,70
14	86F14891-B	22,30	15,24
16	86F16891-B	24,90	17,78
20	86F20891-B	30,00	22,86
24	86F24891-B	35,00	27,94
26	86F26891-B	37,50	30,48
30	86F30891-B	42,70	35,56
34	86F34891-B	47,80	40,64
40	86F40891-B	55,20	48,26
44	86F44891-B	60,60	53,40
50	86F50891-B	68,10	60,96
56	86F56891-B	76,00	68,60
60	86F60891-B	80,80	73,66
64	86F64891-B	85,80	78,74

RIBBON & FLAT WIRE CABLES AND CONNECTORS

Ribbon cable connectors - PCB male header p.1,27x2,54 mm Low profile

B



SPECIFICATIONS

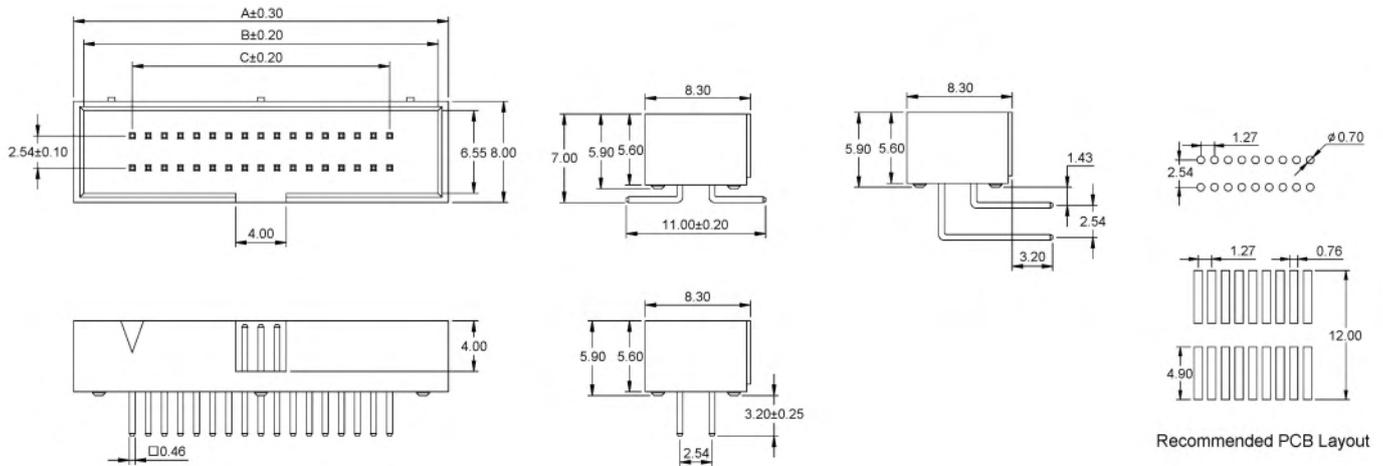
Current Rating: 0.5 A
 Withstanding Voltage: 500V AC/minute
 Insulation Resistance: 1000 MΩ min.
 Temperature Range: -40°C ~ +105°C
 Contact Resistance: 20 mΩ max.

FEATURES

Size 20 to 100 poles
 Suitable for 1,57mm thick PCB
 Mate with IDC socket p. 1,27x2,54 mm
 Packaging bag

MATERIAL

Insulator: Nylon 6T , UL 94V-0
 Contact: Copper alloy
 Plating: Gold over Nickel



Poles	P/N DS 180°	P/N DS 90°	P/N SMT 180°	A (mm)	B (mm)	C (mm)
10	86M10291SC-0	86M10991SC-0	86M1009° SC-0	14,35	12,75	5,38
12	86M12291SC-0	86M12991SC-0	86M1209° SC-0	15,62	14,02	6,35
14	86M14291SC-0	86M14991SC-0	86M1409° SC-0	16,89	15,29	7,62
16	86M16291SC-0	86M16991SC-0	86M1609° SC-0	18,16	16,56	8,89
18	86M18291SC-0	86M18991SC-0	86M1809° SC-0	19,43	17,83	10,16
20	86M20291SC-0	86M20991SC-0	86M2009° SC-0	20,70	19,10	11,43
26	86M26291SC-0	86M26991SC-0	86M2609° SC-0	24,51	22,91	15,24
30	86M30291SC-0	86M30991SC-0	86M3009° SC-0	27,05	25,45	17,78
34	86M34291SC-0	86M34991SC-0	86M3409° SC-0	29,59	27,99	20,32
40	86M40291SC-0	86M40991SC-0	86M4009° SC-0	33,40	31,80	24,13
50	86M50291SC-0	86M50991SC-0	86M5009° SC-0	38,75	38,15	30,48
60	86M60291SC-0	86M60991SC-0	86M6009° SC-0	46,10	44,50	36,83
64	86M64291SC-0	86M64991SC-0	86M6409° SC-0	48,64	47,04	39,37

RIBBON & FLAT WIRE CABLES AND CONNECTORS

Ribbon cable connectors - PCB male header p.1,27x2,54 mm Ejector type



SPECIFICATIONS

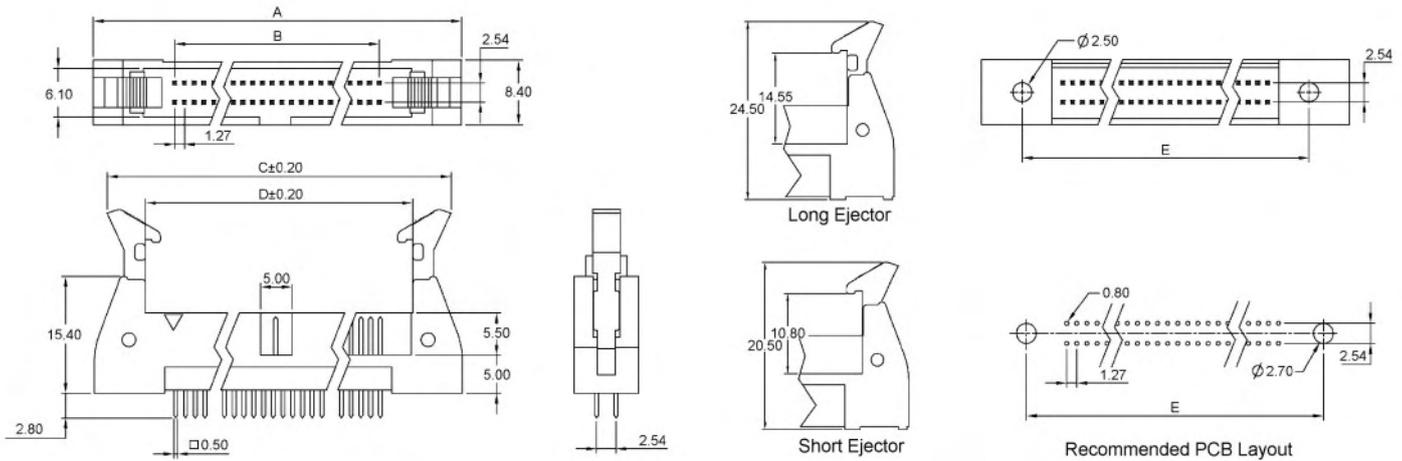
Current Rating: 0.5 A
 Withstanding Voltage: 500V AC/minute
 Insulation Resistance: 1000 MΩ min.
 Temperature Range: -40°C ~ +105°C
 Contact Resistance: 20 mΩ max.

FEATURES

Size 20 to 100 poles
 Applicable PCB tck 1.57mm
 Mate with IDC socket p. 1,27x2,54 mm
 Packaging tray

MATERIAL

Insulator: Nylon 6T
 Contact: Copper alloy
 Plating: Gold over Nickel

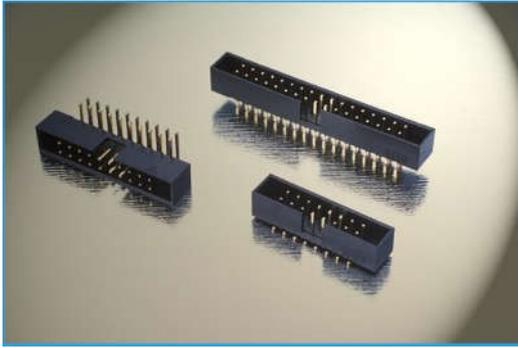


Poles	P/N Long Ejector	P/N Short Ejector	A (mm)	B (mm)	C (mm)	D(mm)	E(mm)
20	86M20291-0	86M20291-01	32.36	11.43	29.35	18.75	21.59
26	86M26291-0	86M26291-01	36.18	15.24	33.16	22.56	25.40
32	86M32291-0	86M32291-01	39.98	19.05	36.97	26.37	29.21
34	86M34291-0	86M34291-01	41.25	20.32	38.24	27.64	30.48
40	86M40291-0	86M40291-01	45.06	24.13	42.05	31.45	34.29
50	86M50291-0	86M50291-01	51.41	30.48	48.40	37.80	40.64
52	86M52291-0	86M52291-01	52.68	31.75	49.67	39.07	41.91
60	86M60291-0	86M60291-01	57.76	36.83	54.75	44.15	46.99
68	86M68291-0	86M68291-01	62.84	41.91	59.83	49.23	52.07
80	86M80291-0	86M80291-01	70.46	49.53	67.45	56.85	59.69
100	86M100291-0	86M100291-01	83.16	62.23	80.25	69.55	72.39

RIBBON & FLAT WIRE CABLES AND CONNECTORS

Ribbon cable connectors - PCB male header p.2,0 mm low profile

B



SPECIFICATIONS

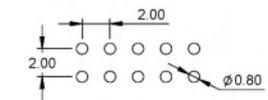
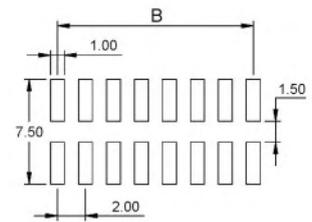
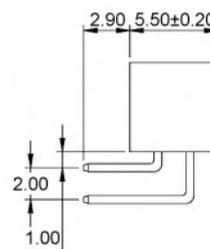
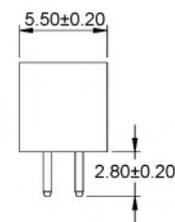
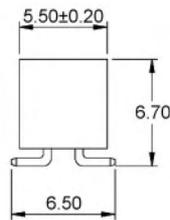
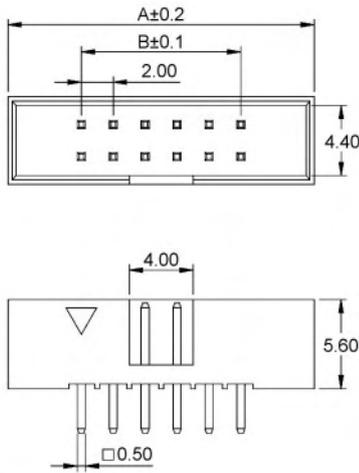
Current Rating: 1 A
 Withstanding Voltage: 500V AC/minute
 Insulation Resistance: 1000 MΩ min.
 Temperature Range: -40°C ~ +105°C
 Contact Resistance: 20 mΩ max.

MATERIAL

Insulator: G.F. PBT, UL94V-0
 Contact: Copper alloy
 Plating: Gold over Nickel

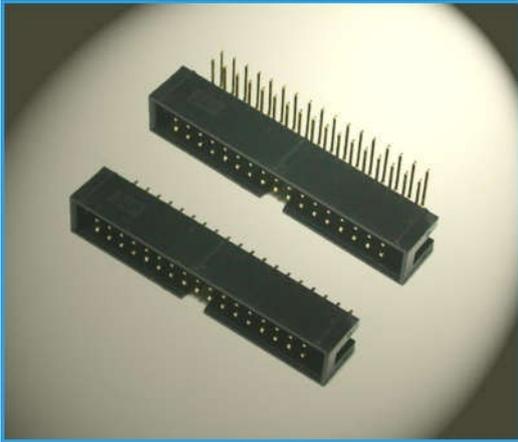
FEATURES

Size 6 to 68 poles
 Suitable for 1,57mm thick PCB
 Mate with IDC socket p. 2.0 mm
 Packaging tray
 (Tube or Tape&reel for SMT)
 Vacuum pick&place cap optional (SMT)



Recommended PCB Layout

Poles	P/N DS 180°	P/N DS 90°	P/N SMT 180°	A (mm)	B (mm)
6	86M06291-2	86M06899'-2	86M06091-2	13,20	4,00
8	86M08291-2	86M08899'-2	86M08091-2	15,20	6,00
10	86M10291-2	86M10899'-2	86M10091-2	17,20	8,00
12	86M12291-2	86M12899'-2	86M12091-2	19,20	10,00
14	86M14291-2	86M14899'-2	86M14091-2	21,20	12,00
16	86M16291-2	86M16899'-2	86M16091-2	23,20	14,00
20	86M20291-2	86M20899'-2	86M20091-2	27,20	18,00
24	86M24291-2	86M24899'-2	86M24091-2	31,20	22,00
26	86M26291-2	86M26899'-2	86M26091-2	33,20	24,00
30	86M30291-2	86M30899'-2	86M30091-2	37,20	28,00
32	86M32291-2	86M32899'-2	86M32091-2	39,20	30,00
34	86M34291-2	86M34899'-2	86M34091-2	41,20	32,00
40	86M40291-2	86M40899'-2	86M40091-2	47,20	38,00
44	86M44291-2	86M44899'-2	86M44091-2	51,20	42,00
50	86M50291-2	86M50899'-2	86M50091-2	57,20	48,00
60	86M60291-2	86M60899'-2	86M60091-2	67,20	58,00
64	86M64291-2	86M64899'-2	86M64091-2	71,20	62,00
68	86M68291-2	86M68899'-2	86M68091-2	75,20	66,00



SPECIFICATIONS

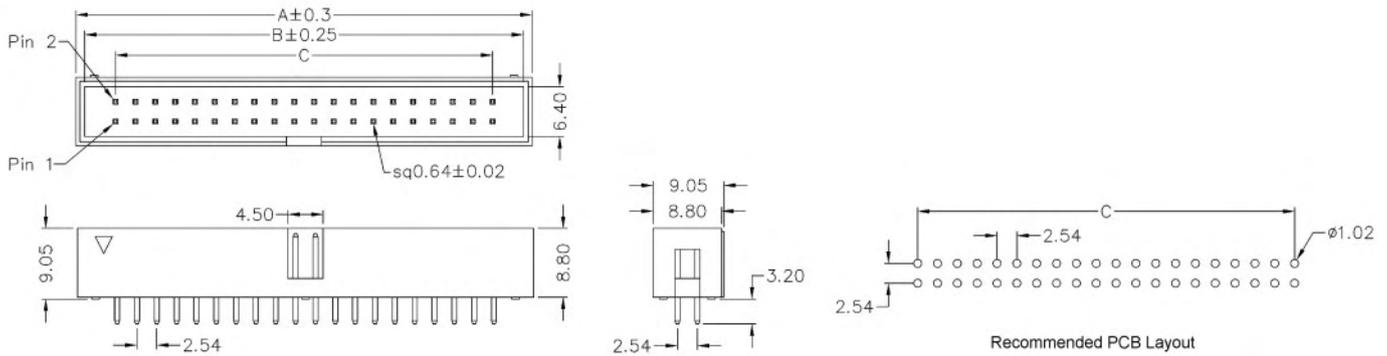
Current Rating: 1A
 Withstanding Voltage: 500V AC/minute
 Insulation Resistance: 1000 MΩ min.
 Temperature Range: -40°C ~ +105°C
 Contact Resistance: 20 mΩ max.

FEATURES

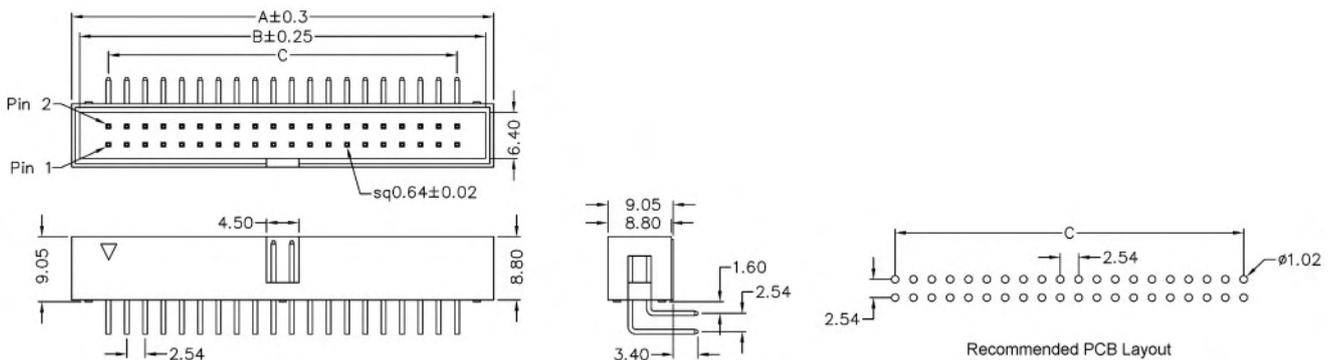
Size 6 to 64 poles
 Suitable for 1,57mm thick PCB
 Mate with IDC socket p. 2.54 mm
 Packaging tray

MATERIAL

Insulator: G.F. PBT, UL94V-0
 Contact: Brass
 Plating: Gold over Nickel



Poles	Part. No.	A (mm)	B (mm)	C (mm)	Poles	Part. No.	A (mm)	B (mm)	C (mm)
6	86M06291SC-3	15,20	12,90	5,08	34	86M34291SC-B	50,80	48,58	40,64
8	86M08291SC-3	17,90	15,44	7,62	40	86M40291SC-B	58,40	56,20	48,26
10	86M10291SC-3	20,30	18,10	10,16	44	86M44291SC-B	63,48	67,28	53,36
12	86M12291SC-3	22,84	20,64	12,70	50	86M50291SC-B	77,10	68,90	60,96
14	86M14291SC-3	25,38	23,18	15,24	56	86M56291SC-B	78,72	76,52	68,56
16	86M16291SC-3	27,92	25,72	17,78	60	86M60291SC-B	83,80	81,60	73,66
20	86M20291SC-3	33,00	30,80	22,85	64	86M64291SC-B	88,88	86,88	78,74
24	86M24291SC-3	38,08	35,88	27,94					
26	86M26291SC-3	40,62	38,42	30,48					
30	86M30291SC-3	45,70	43,50	35,56					

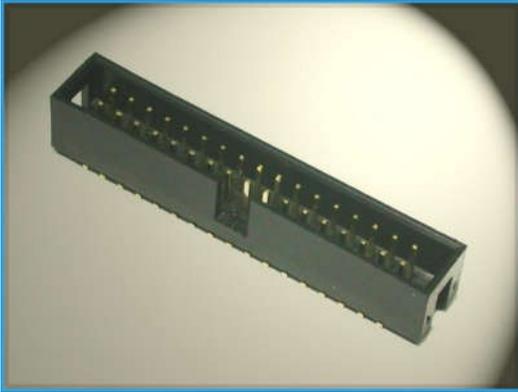


Poles	Part. No.	A (mm)	B (mm)	C (mm)	Poles	Part. No.	A (mm)	B (mm)	C (mm)
6	86M06991SC-3	15,20	12,90	5,08	34	86M34991SC-B	50,80	48,58	40,64
8	86M08991SC-3	17,90	15,44	7,62	40	86M40991SC-B	58,40	56,20	48,26
10	86M10991SC-3	20,30	18,10	10,16	44	86M44991SC-B	63,48	67,28	53,34
12	86M12991SC-3	22,84	20,64	12,70	50	86M50991SC-B	77,10	68,90	60,96
14	86M14991SC-3	25,38	23,18	15,24	56	86M56991SC-B	78,72	76,52	68,56
16	86M16991SC-3	27,92	25,72	17,78	60	86M60991SC-B	83,80	81,60	73,66
20	86M20991SC-3	33,00	30,80	22,85	64	86M64991SC-B	88,88	86,68	78,74
24	86M24991SC-3	38,08	35,88	27,94					
26	86M26991SC-3	40,62	38,42	30,48					
30	86M30991SC-3	45,70	43,50	35,56					

RIBBON & FLAT WIRE CABLES AND CONNECTORS

Ribbon cable connectors - PCB male header p.2,54mm low profile SMT 180°

B



SPECIFICATIONS

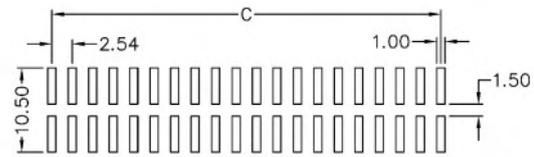
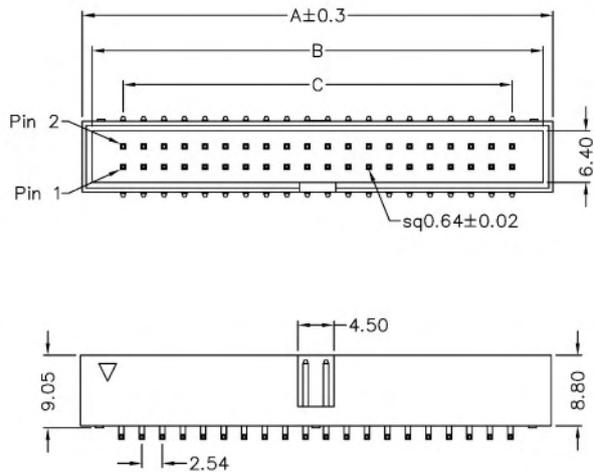
Current Rating: 1 A
 Withstanding Voltage: 500V AC/minute
 Insulation Resistance: 1000 MΩ min.
 Temperature Range: -40°C ~ +105°C
 Contact Resistance: 20 mΩ max.

FEATURES

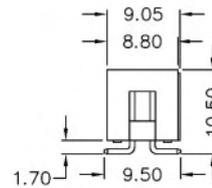
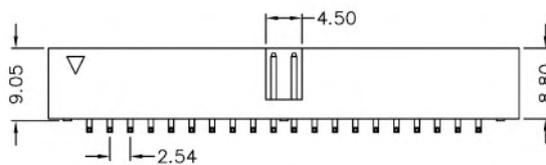
Size 6 to 64 poles
 Optional Pick&place Pad
 Mate with IDC socket p. 2.54 mm
 Packaging Tube or Tape & reel
 Vacuum pick&place cap optional

MATERIAL

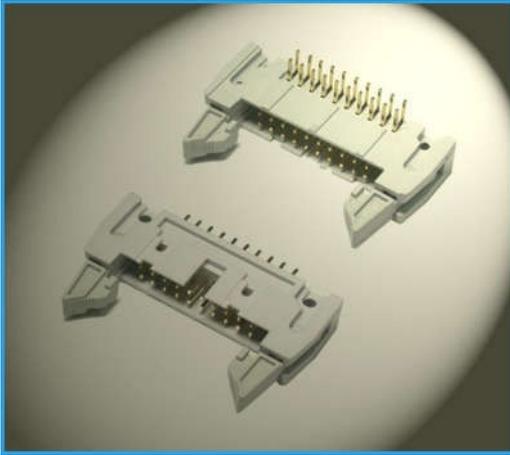
Insulator: Nylon 6T , UL94V-0
 Contact: Phosphor bronze
 Plating: Gold over Nickel



Recommended PCB layout



Poles	Part. No.	A (mm)	B (mm)	C (mm)
6	86M06091SC-B	15,20	12,90	5,08
8	86M08091SC-B	17,90	15,44	7,62
10	86M10091SC-B	20,30	18,10	10,16
12	86M12091SC-B	22,84	20,64	12,70
14	86M14091SC-B	25,38	23,18	15,24
16	86M16091SC-B	27,92	25,72	17,78
20	86M20091SC-B	33,00	30,80	22,85
24	86M24091SC-B	38,08	35,88	27,94
26	86M26091SC-B	40,62	38,42	30,48
30	86M30091SC-B	45,70	43,50	35,56
34	86M34091SC-B	50,80	48,58	40,64
40	86M40091SC-B	58,40	56,20	48,26
44	86M44091SC-B	63,48	62,28	53,34
50	86M50091SC-B	71,10	69,90	60,96
56	86M56091SC-B	78,72	76,52	68,58
60	86M60091SC-B	83,80	81,60	73,66
64	86M64091SC-B	88,88	86,68	78,74



SPECIFICATIONS

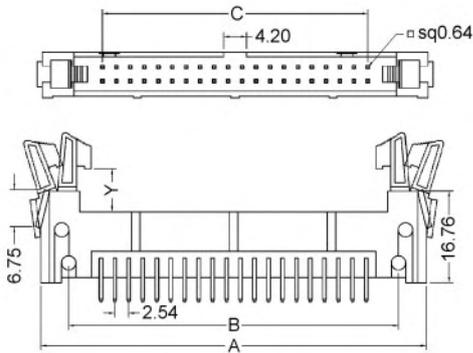
Current Rating: 1A
 Withstanding Voltage: 500V AC/minute
 Insulation Resistance: 1000 MΩ min.
 Temperature Range: -40°C ~ +105°C
 Contact Resistance: 20 mΩ max.

FEATURES

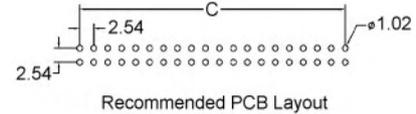
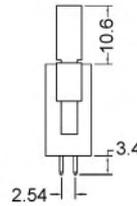
Size 6 to 64 poles
 Suitable for 1,57mm thick PCB
 Mate with IDC socket p. 2.54 mm
 Packaging tray

MATERIAL

Insulator: G.F. PBT, UL94V-0
 Contact: Brass
 Plating: Gold over Nickel

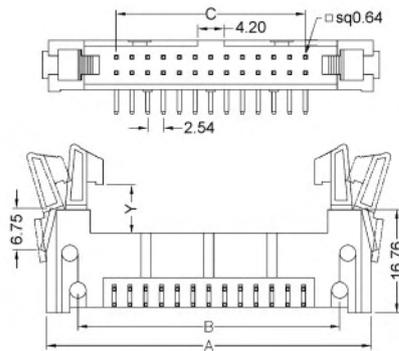


	Short L.	Long L.
Y	4.25	7.80

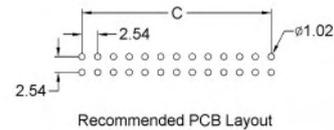
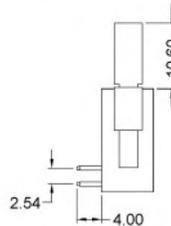


Poles	P/N Long Ejector	P/N Short Ejector	A (mm)	B (mm)	C (mm)	Poles	P/N Long Ejector	P/N Short Ejector	A (mm)	B (mm)	C (mm)
10	86M10291-B	86M10291-B1	32.00	21.50	10.16	50	86M50291-B	86M50291-B1	82.80	72.60	60.96
12	86M12291-B	86M12291-B1	34.50	24.40	12.70	60	86M60291-B	86M60291-B1	95.50	85.30	73.66
14	86M14291-B	86M14291-B1	37.10	26.90	15.24	64	86M64291-B	86M64291-B1	100.6	90.40	78.74
16	86M16291-B	86M16291-B1	39.60	29.50	17.78						
20	86M20291-B	86M20291-B1	44.70	34.50	22.86						
24	86M24291-B	86M24291-B1	49.80	39.56	27.94						
26	86M26291-B	86M26291-B1	52.30	42.20	30.48						
30	86M30291-B	86M30291-B1	57.40	47.20	35.56						
34	86M34291-B	86M34291-B1	62.50	52.30	40.64						
40	86M40291-B	86M40291-B1	71.10	59.90	48.26						

Std version is Long Ejector type. For Short Ejector MOQ is required.



	Short L.	Long L.
Y	4.25	7.80



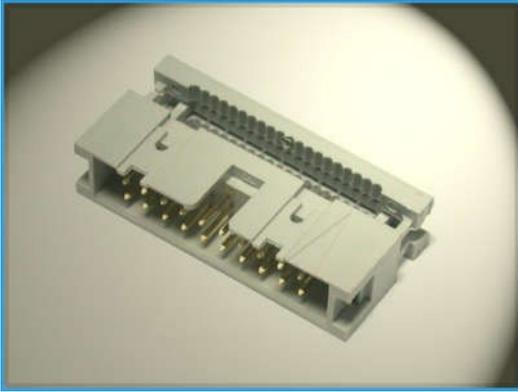
Poles	P/N Long Ejector	P/N Short Ejector	A (mm)	B (mm)	C (mm)	Poles	P/N Long Ejector	P/N Short Ejector	A (mm)	B (mm)	C (mm)
10	86M10991-B	86M10991-B1	32.00	21.50	10.16	50	86M50991-B	86M50991-B1	82.80	72.60	60.96
12	86M12991-B	86M12991-B1	34.50	24.40	12.70	60	86M60991-B	86M60991-B1	95.50	85.30	73.66
14	86M14991-B	86M14991-B1	37.10	26.90	15.24	64	86M64991-B	86M64991-B1	100.6	90.40	78.74
16	86M16991-B	86M16991-B1	39.60	29.50	17.78						
20	86M20991-B	86M20991-B1	44.70	34.50	22.86						
24	86M24991-B	86M24991-B1	49.80	39.60	27.94						
26	86M26991-B	86M26991-B1	52.30	42.20	30.48						
30	86M30991-B	86M30991-B1	57.40	47.20	35.56						
34	86M34991-B	86M34991-B1	62.50	52.30	40.64						
40	86M40991-B	86M40991-B1	70.10	59.90	48.26						

Std version is Long Ejector type. For Short Ejector MOQ is required.

RIBBON & FLAT WIRE CABLES AND CONNECTORS

B

Ribbon cable connectors - Male header p.2,54 mm IDC type low profile



SPECIFICATIONS

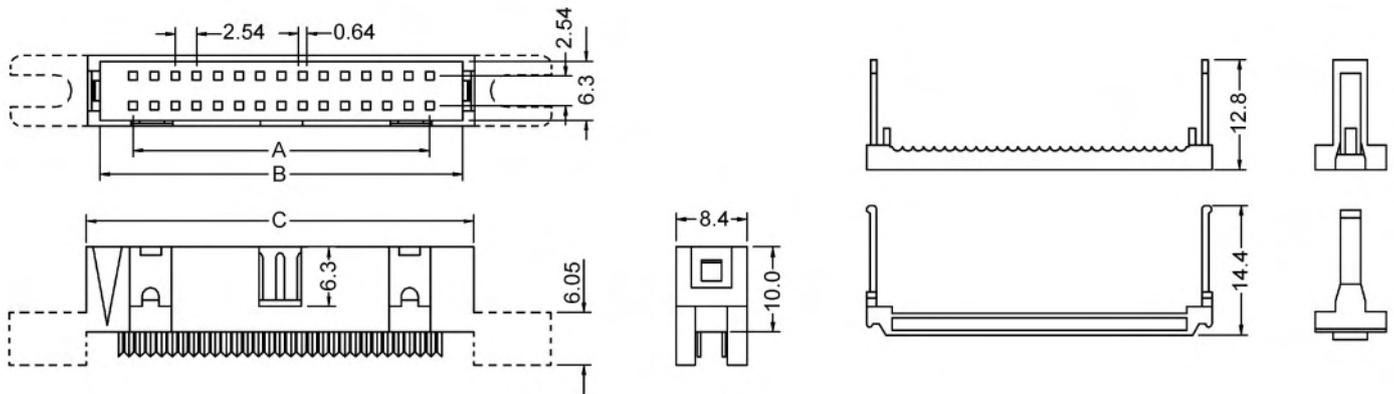
Contact Resistance: 1 A
 Withstanding Voltage: 500V AC/minute
 Insulation Resistance: 1000 MΩ min.
 Temperature Range: -40°C ~ +105°C
 Contact Resistance: 20 mΩ max.

FEATURES

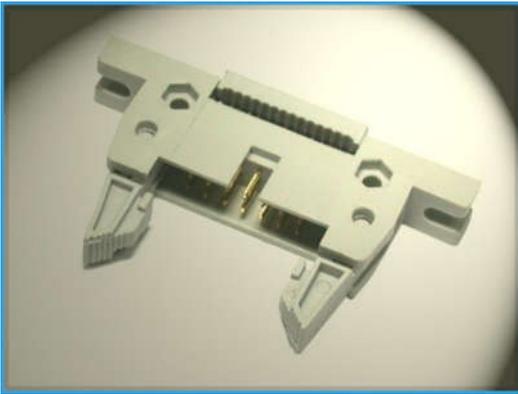
Size 10 to 64 poles
 Suitable for 1,27 mm ribbon cable
 Mate with IDC header p. 2,54 mm
 Packaging tray

MATERIAL

Insulator: G.F. PBT, UL94V-0
 Contact: Copper alloy
 Plating: Selective gold over nickel



Poles	P/N with ears	P/N w/o ears	A (mm)	B (mm)	C (mm)
10	86M10891SC-1	86M1089' SC	13.16	17.93	22.98
14	86M14891SC-1	86M1489' SC	15.24	22.93	28.10
16	86M16891SC-1	86M1689' SC	17.76	25.55	30.64
20	86M20891SC-1	86M2089' SC	22.86	30.56	35.70
26	86M26891SC-1	86M2689' SC	30.48	38.20	43.06
30	86M30891SC-1	86M3089' SC	35.56	43.40	48.44
34	86M34891SC-1	86M3489' SC	40.64	48.30	53.28
40	86M40891SC-1	86M4089' SC	48.26	56.06	60.96
50	86M50891SC-1	86M5089' SC	60.96	68.70	73.72
60	86M60891SC-1	86M6089' SC	73.66	81.34	88.44
64	86M64891SC-1	86M6489' SC	78.74	86.43	91.46



SPECIFICATIONS

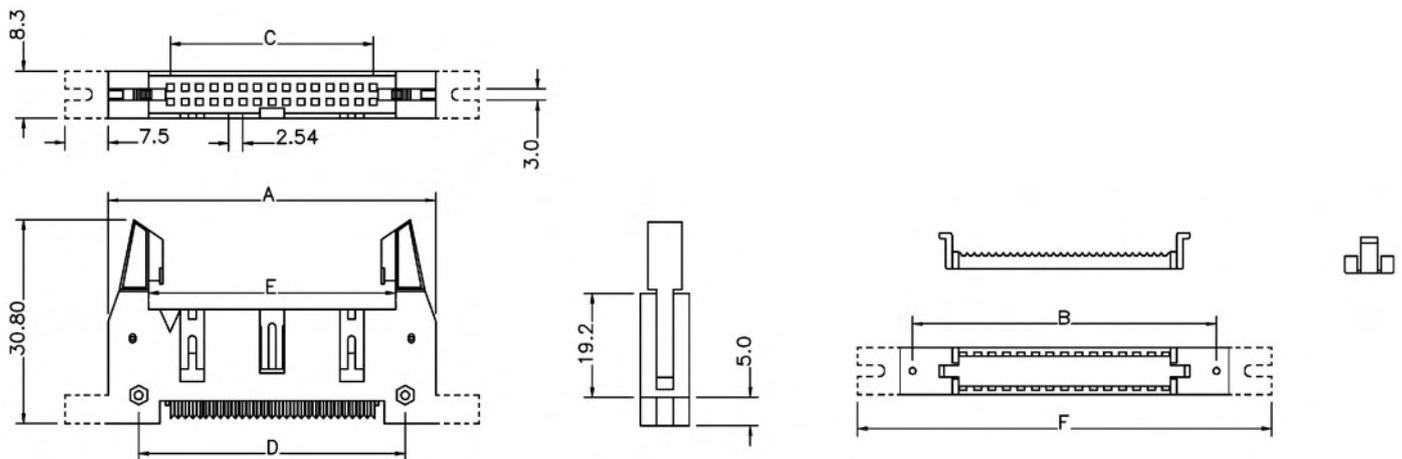
Current Rating: 1A
 Withstanding Voltage: 500V AC/minute
 Insulation Resistance: 1000 MΩ min.
 Temperature Range: -40°C ~ +105°C
 Contact Resistance: 20 mΩ max.

FEATURES

Size 10 to 64 poles
 Suitable for 1,27 mm ribbon cable
 Mate with IDC socket p. 2.54 mm
 Packaging tray

MATERIAL

Insulator: G.F. PBT, UL94V-0
 Contact: Copper alloy
 Plating: Selective gold over nickel



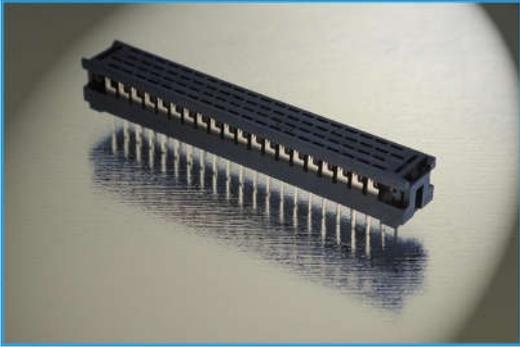
Poles	Part. No.	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)
10	86M10891-§	31,96	25,40	10,16	21,84	17,96	47,08
14	86M14891-§	37,10	30,48	15,24	23,04	23,04	52,18
16	86M16891-§	36,92	33,02	17,78	29,46	25,58	54,84
20	86M20891-§	44,74	38,10	22,86	34,54	30,66	59,90
26	86M26891-§	52,22	48,26	30,48	42,16	38,28	67,24
30	86M30891-§	57,46	56,26	35,56	46,74	42,86	72,64
34	86M34891-§	62,52	58,42	40,64	52,32	48,44	77,48
40	86M40891-§	70,18	66,04	48,26	59,94	56,60	85,36
50	86M50891-§	82,70	78,74	60,96	72,64	68,76	97,90
60	86M60891-§	95,68	91,44	73,66	85,34	81,45	110,66
64	86M64891-§	100,7	96,52	78,74	90,42	86,54	115,62

- § Add: None=Long latch without m. ears
- 1=Short latch without m. ears
- 2=Long latch with m. ears
- 3=Short latch with m. ears

RIBBON & FLAT WIRE CABLES AND CONNECTORS

B

Ribbon cable connectors - Transition plug IDC p.1,27 mm



SPECIFICATIONS

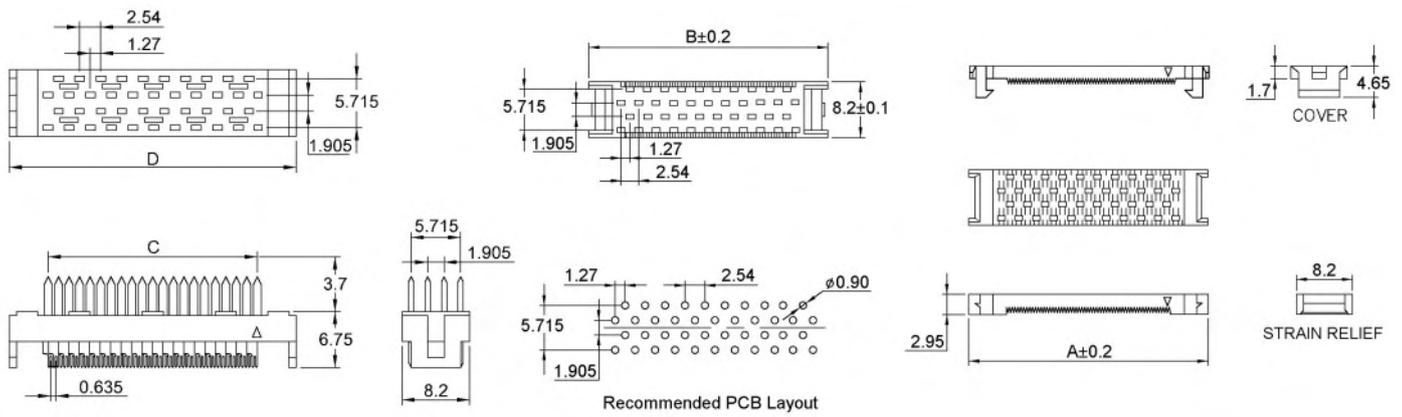
Current Rating: 0.5 A
 Withstanding Voltage: 300V AC/minute
 Insulation Resistance: 1000 MΩ min.
 Temperature Range: -40°C ~ +105°C
 Contact Resistance: 20 mΩ max.

FEATURES

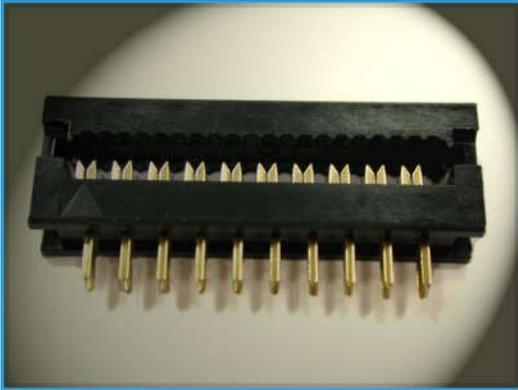
Size 26 to 100 poles
 Suitable for 0,635 mm ribbon cable
 Applicable PCB tck 1,57mm
 Packaging tray

MATERIAL

Insulator: PBT, UL 94 V-0
 Contact: Copper alloy
 Plating: Tin Plated



Poles	Part. No.	A (mm)	B (mm)	C (mm)	D (mm)
26	88260-0	22,6	24,61	15,24	24,61
30	88300-0	25,15	27,15	17,76	27,15
34	88340-0	27,69	29,69	20,32	29,69
40	88400-0	31,42	33,50	24,13	33,50
50	88500-0	37,85	39,85	30,48	39,85
60	88600-0	44,20	48,20	36,83	48,20
68	88680-0	49,20	51,40	41,91	51,40
80	88800-0	56,82	59,00	48,53	59,00
100	881000-0	69,60	71,60	62,23	71,60



SPECIFICATIONS

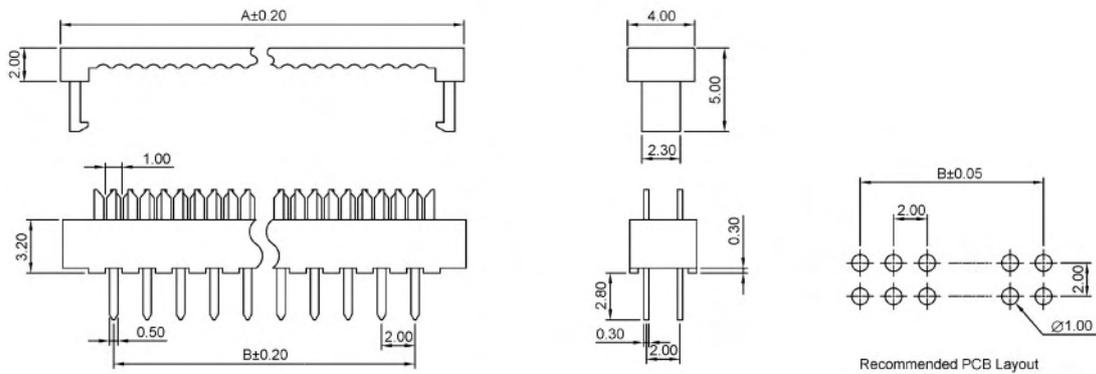
Current Rating: 1 A
 Withstanding Voltage: 500V AC/minute
 Insulation Resistance: 1000 MΩ min.
 Temperature Range: -40°C ~ +105°C
 Contact Resistance: 20 mΩ max.

FEATURES

Size 8 to 60 poles
 Suitable for 1,00 mm ribbon cable
 Applicable PCB tck 1,57mm
 Packaging tray

MATERIAL

Insulator: G.F. PBT, UL94V-0
 Contact: Copper alloy
 Plating: Tin over Nickel

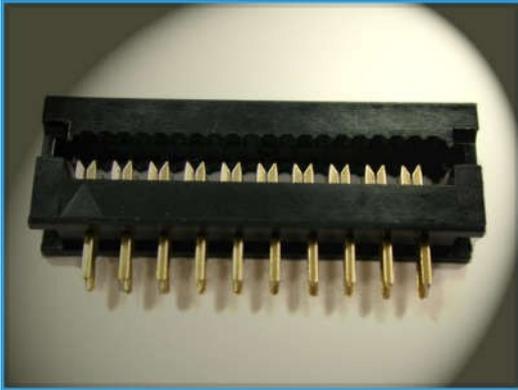


Poles	Part No.	A (mm)	B (mm)	Poles	Part No.	A (mm)	B (mm)
8	88080-2	12,10	6,00	48	88480-2	52,10	46,00
10	88100-2	14,10	8,00	50	88500-2	54,10	48,00
12	88120-2	16,10	10,00	52	88520-2	56,10	50,00
14	88140-2	18,10	12,00	54	88540-2	58,10	52,00
16	88160-2	20,10	14,00	56	88560-2	60,10	54,00
18	88160-2	22,10	16,00	58	88580-2	62,10	56,00
20	88200-2	24,10	18,00	60	88600-2	64,10	58,00
22	88220-2	26,10	20,00				
24	88240-2	28,10	22,00				
26	88260-2	30,10	24,00				
28	88280-2	32,10	26,00				
30	88300-2	34,10	28,00				
32	88320-2	36,10	30,00				
34	88340-2	38,10	32,00				
36	88380-2	40,10	34,00				
38	88380-2	42,10	36,00				
40	88400-2	44,10	38,00				
42	88420-2	46,10	40,00				
44	88440-2	48,10	42,00				
46	88460-2	50,10	44,00				

RIBBON & FLAT WIRE CABLES AND CONNECTORS

B

Ribbon cable connectors - Transition plug IDC p.2,54 mm



SPECIFICATIONS

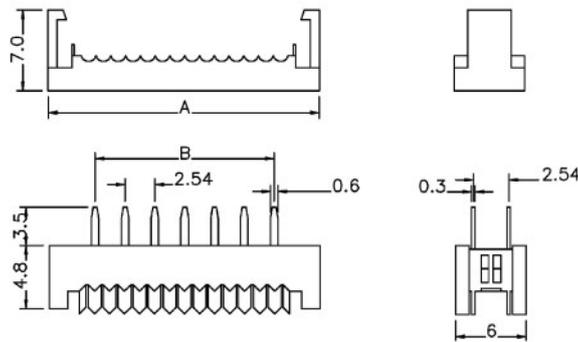
Current Rating: 1 A
 Withstanding Voltage: 500V AC/minute
 Insulation Resistance: 1000 MΩ min.
 Temperature Range: -40°C ~ +105°C
 Contact Resistance: 20 mΩ max.

FEATURES

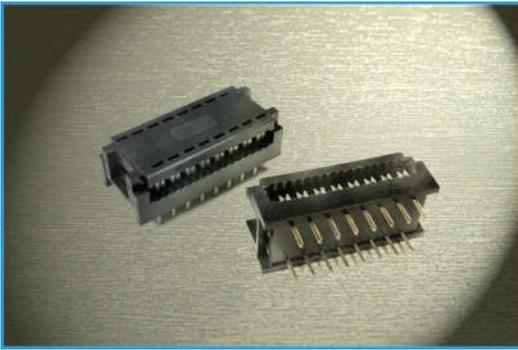
Size 8 to 60 poles
 Suitable for 1,27 mm ribbon cable
 Applicable PCB tck 1,57mm
 Packaging tray

MATERIAL

Insulator: G.F. PBT, UL94V-0
 Contact: Copper alloy
 Plating: Tin over Nickel



Poles	Part. No.	A (mm)	B (mm)
8	88080	15,44	7,62
10	88100	17,76	13,16
14	88140	22,84	15,24
16	88160	25,38	17,78
20	88200	30,46	22,86
24	88240	35,76	27,94
26	88260	38,08	33,48
30	88300	43,16	35,56
34	88340	48,24	43,64
40	88400	55,86	48,26
50	88500	68,56	63,96
60	88600	81,26	73,66



SPECIFICATIONS

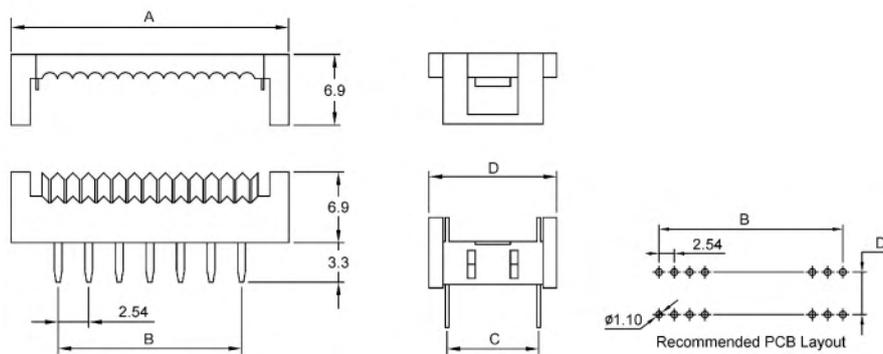
Current Rating: 1 A
 Withstanding Voltage: 500V AC/minute
 Insulation Resistance: 1000 MΩ min.
 Temperature Range: -40°C ~ +105°C
 Contact Resistance: 20 mΩ max.

FEATURES

Size 8 to 40 poles
 Suitable for 1,27 mm ribbon cable
 Applicable PCB tck 1,57mm
 Packaging tray

MATERIAL

Insulator: G.F. PBT, UL94V-0
 Contact: Copper alloy
 Plating: Tin over Nickel

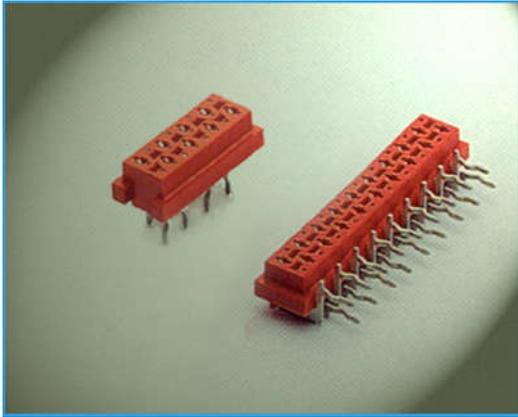


Poles	Part. No.	A (mm)	B (mm)	C (mm)	D (mm)
8	87080	15,44	7,62	7,62	10,60
10	87100	17,98	13,16	7,62	10,60
14	87140	23,06	15,24	7,62	10,60
16	87160	25,60	17,78	7,62	10,60
18	87180	28,14	20,32	7,62	10,60
20	87200	30,68	22,86	7,62	10,60
24	87240	35,76	27,94	15,24	18,25
28	87280	40,84	33,02	15,24	18,25
32	87320	45,92	38,10	15,24	18,25
36	87360	51,00	43,18	15,24	18,25
40	87400	56,08	48,26	15,24	18,25

RIBBON & FLAT WIRE CABLES AND CONNECTORS

B

Ribbon cable connectors - Microminiature p.1,27 mm male on board



SPECIFICATIONS

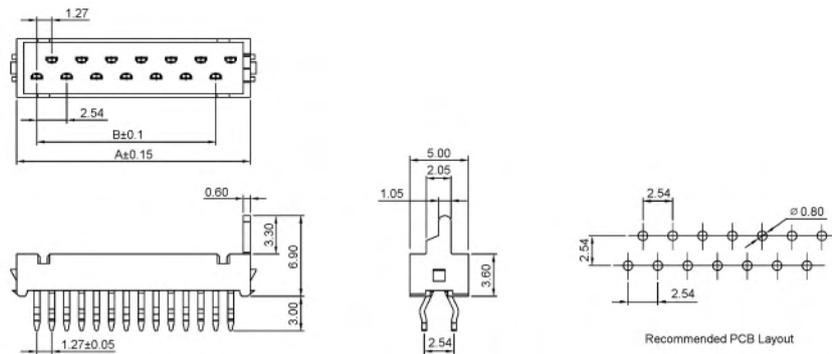
Current Rating: 1 A
 Withstanding Voltage: 500V AC/minute
 Insulation Resistance: 1000 MΩ min.
 Temperature Range: -40°C ~ +105°C
 Contact Resistance: 20 mΩ max.

FEATURES

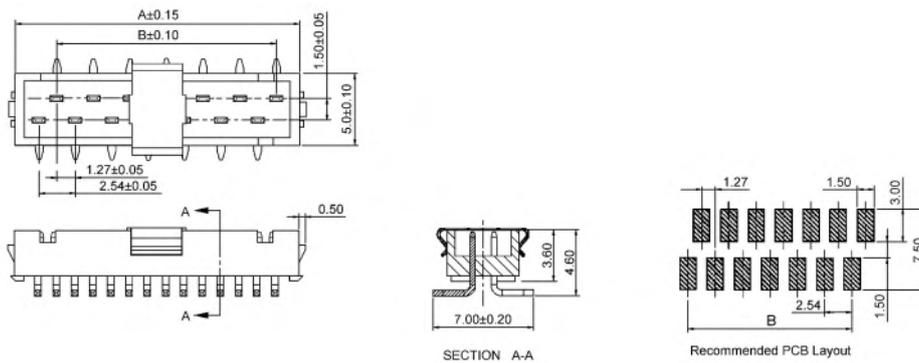
Size 4 to 20 poles
 Packaging Tube (tape&reel option available)
 Vacuum pick&place cap/film optional

MATERIAL

Insulator: Nylon 46, UL94V-0
 Contact: Copper alloy
 Plating: Tin over Nickel



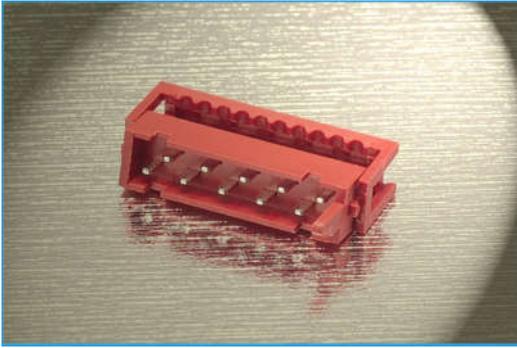
Poles	Part. No.	A (mm)	B (mm)
4	83MD420	7.20	2.54
6	83MD620	9.74	5.08
8	83MD820	12.28	7.62
10	83M1020	14.82	10.16
12	83M1220	17.36	12.70
14	83M1420	19.90	15.24
16	83M1620	22.44	17.78
18	83M1820	24.98	20.32
20	83M2020	27.52	22.86



Poles	Part. No.	A (mm)	B (mm)
4	83MD400	7.20	2.54
6	83MD600	9.74	5.08
8	83MD800	12.28	7.62
10	83M1000	14.82	10.16
12	83M1200	17.36	12.70
14	83M1400	19.90	15.24
16	83M1600	22.44	17.78
18	83M1800	24.98	20.32
20	83M2000	27.52	22.86

RIBBON & FLAT WIRE CABLES AND CONNECTORS

Ribbon cable connectors - Microminiature p.1,27 mm Male on wire type



SPECIFICATIONS

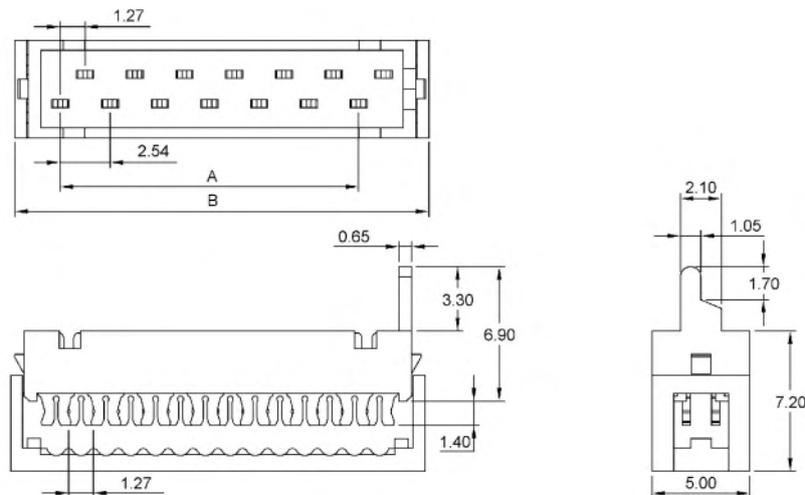
Current Rating: 1 A
 Withstanding Voltage: 500V AC/minute
 Insulation Resistance: 1000 MΩ min.
 Temperature Range: -40°C ~ +105°C
 Contact Resistance: 20 mΩ max.

FEATURES

Size 4 to 40 poles
 Suitable for 1,27 mm ribbon cable
 Packaging bag or tray

MATERIAL

Insulator: G.F. PBT, UL94V-0
 Contact: Phosphor bronze
 Plating: Tin over Nickel

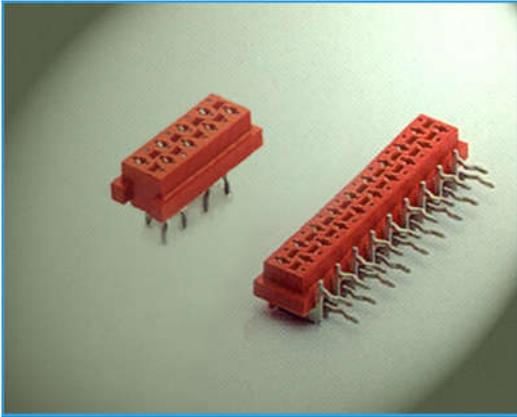


Poles	Part. No.	A (mm)	B (mm)
4	83MD-80	8,46	3,81
6	83MD880	11,00	6,35
8	83MD880	13,54	8,89
10	83M1080	16,08	11,43
12	83M1280	18,62	13,97
14	83M1480	21,16	16,51
16	83M1680	23,70	19,05
18	83M1880	26,24	21,59
20	83M2080	28,78	24,13

RIBBON & FLAT WIRE CABLES AND CONNECTORS

Ribbon cable connectors - Microminiature p.1,27 mm female on board

B



SPECIFICATIONS

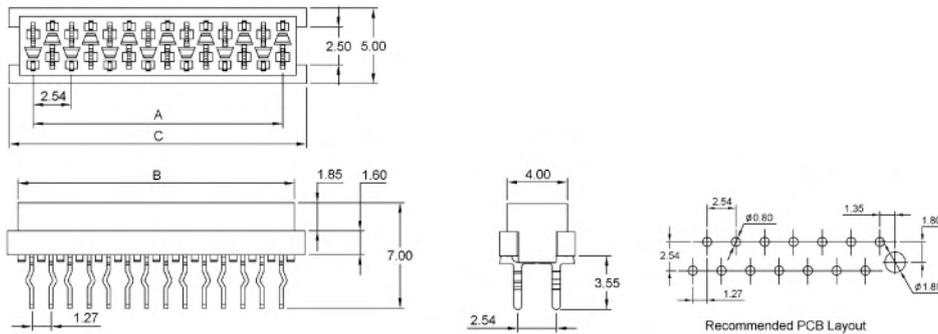
Current Rating: 1 A
 Withstanding Voltage: 500V AC/minute
 Insulation Resistance: 1000 MΩ min.
 Temperature Range: -40°C ~ +105°C
 Contact Resistance: 20 mΩ max, -40°C ~ +105°C
 C

FEATURES

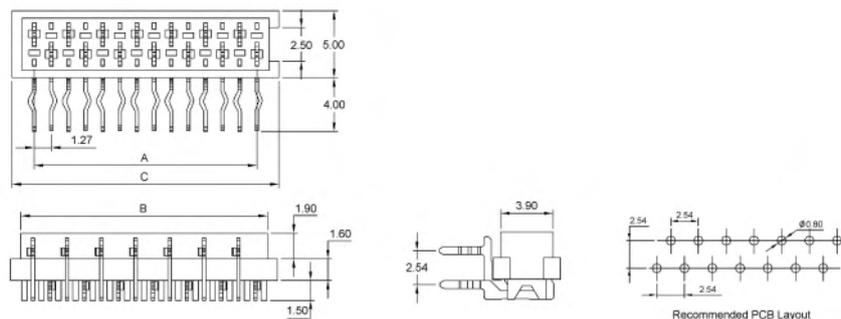
Size 4 to 20 poles
 Suitable for 1,27 mm ribbon cable
 Applicable PCB tck 1,57mm
 Packaging bag or tray

MATERIAL

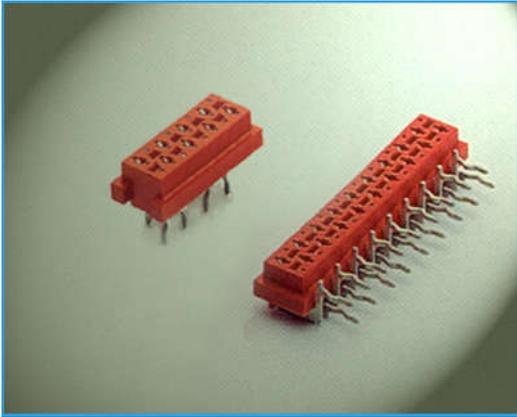
Insulator: G.F. PBT, UL94V-0
 Contact: Phosphor bronze
 Plating: Tin over Nickel



Poles	Part. No.	A (mm)	B (mm)	C (mm)
4	83F0420	3,81	5,80	7,10
6	83F0620	6,35	8,14	9,70
8	83F0820	8,89	10,68	12,20
10	83F1020	11,43	13,22	14,70
12	83F1220	13,97	15,76	17,30
14	83F1420	16,51	18,30	19,80
16	83F1620	19,05	20,84	22,40
18	83F1820	21,59	23,38	24,90
20	83F2020	24,13	25,92	27,40



Poles	Part. No.	A (mm)	B (mm)	C (mm)
4	83F0490	3,81	5,80	7,10
6	83F0690	6,35	8,14	9,70
8	83F0890	8,89	10,68	12,20
10	83F1090	11,43	13,22	14,70
12	83F1290	13,97	15,76	17,30
14	83F1490	16,51	18,30	19,80
16	83F1690	19,05	20,84	22,40
18	83F1890	21,59	23,38	24,90
20	83F2090	24,13	25,92	27,40



SPECIFICATIONS

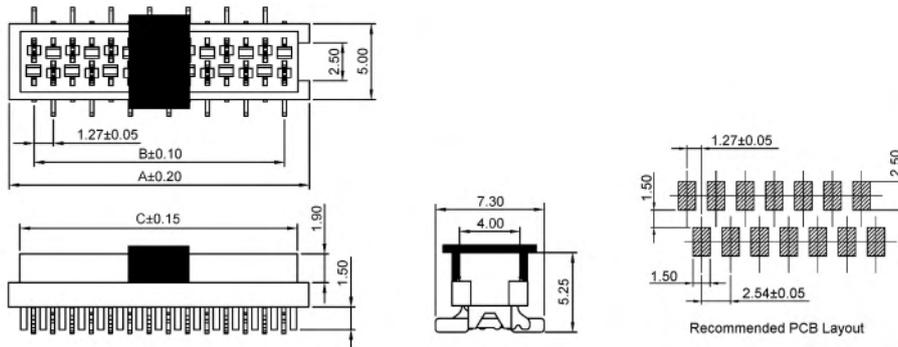
Current Rating: 1 A
 Withstanding Voltage: 500V AC/minute
 Insulation Resistance: 1000 MΩ min.
 Temperature Range: -40°C ~ +105°C
 Contact Resistance: 20 mΩ max.

MATERIAL

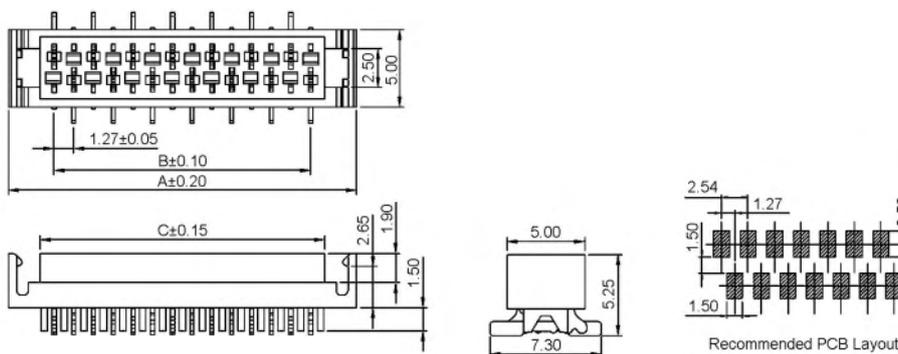
Insulator: Nylon 46, UL94V-0
 Contact: Copper alloy
 Plating: Tin over Nickel

FEATURES

Size 4 to 20 poles
 Packaging Tube (tape&reel option available)
 Vacuum pick&place cap/film optional



Poles	Part. No.	A (mm)	B (mm)	C (mm)
4	83F0400	7,00	3,81	5,60
6	83F0600	9,54	6,35	8,14
8	83F0800	12,08	8,89	10,68
10	83F1000	14,62	11,43	13,22
12	83F1200	17,16	13,97	15,76
14	83F1400	19,70	16,51	18,30
16	83F1600	22,24	19,05	20,84
18	83F1800	24,78	21,59	23,38
20	83F2000	27,32	24,13	25,92

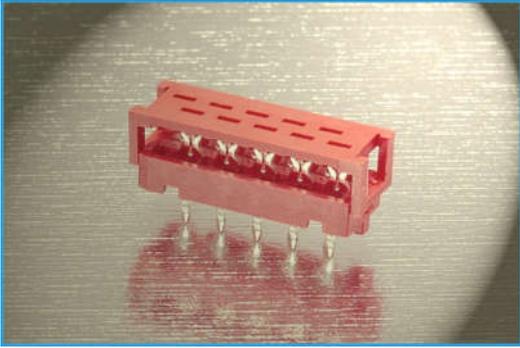


Poles	Part. No.	A (mm)	B (mm)	C (mm)
4	83F0400L	3,81	5,60	7,10
6	83F0600L	6,35	8,14	9,70
8	83F0800L	8,89	10,68	12,20
10	83F1000L	11,43	13,22	14,70
12	83F1200L	13,97	15,76	17,30
14	83F1400L	16,51	18,30	19,80
16	83F1600L	19,05	20,84	22,40
18	83F1800L	21,59	23,38	24,90
20	83F2000L	24,13	25,92	27,40

RIBBON & FLAT WIRE CABLES AND CONNECTORS

B

Ribbon cable connectors - Microminiature p.1,27 mm Male on board type



SPECIFICATIONS

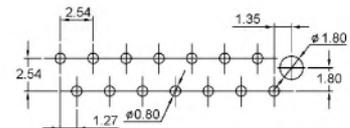
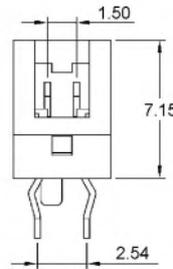
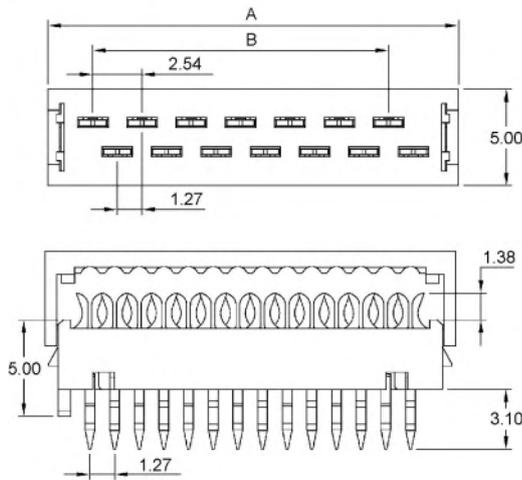
Current Rating: 1 A
 Withstanding Voltage: 500V AC/minute
 Insulation Resistance: 1000 MΩ min.
 Temperature Range: -40°C ~ +105°C
 Contact Resistance: 20 mΩ max.

MATERIAL

Insulator: G.F. PBT, UL94V-0
 Contact: Phosphor bronze
 Plating: Tin over Nickel

FEATURES

Size 4 to 40 poles
 Suitable for 1,27 mm ribbon cable
 Applicable PCB tck 1,57mm
 Packaging bag or tray



Recommended PCB layout

Poles	Part. No.	A (mm)	B (mm)
4	83040	8,46	3,81
6	83060	11,00	6,35
8	83080	13,54	8,89
10	83100	16,08	11,43
12	83120	18,62	13,97
14	83140	21,16	16,51
16	83160	23,70	19,05
18	83180	26,24	21,59
20	83200	28,78	24,13