

Series MatchCon 180° Female Box Header w. and w/o Lock, (1.27mm Pitch) SMT

Specifications

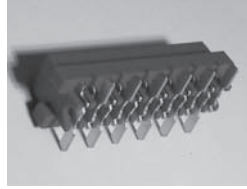
Insulation Resistance: 1,000MΩ min.
 Withstanding Voltage: 500V ACrms for 1 minute
 Contact Resistance: 20mΩ max.
 Current Rating: 1.0A AC/DC
 Voltage Rating: 30V AC/DC
 Operating Temp. Range: -40°C to +105°C

Materials and Finish

Insulator: High Temperature Plastic UL94V-0
 Contacts: Phosphor Bronze
 Plating: Tin over Nickel (matt finish)

Features

- 1.27mm staggered centre line
- Additional positioning spring absorbs relative movements
- Air tight connection



Part Number (Details)

MBS - 16 - S 1 - LL *

Series (female)

No. of Pins

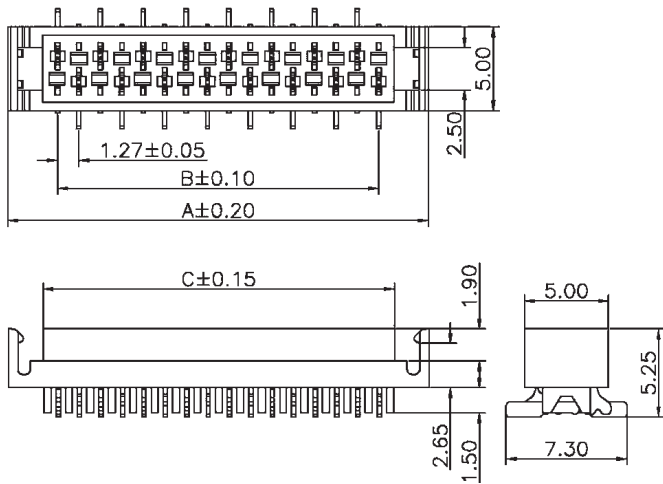
Termination Type: S = SMT

1 = 180° Type

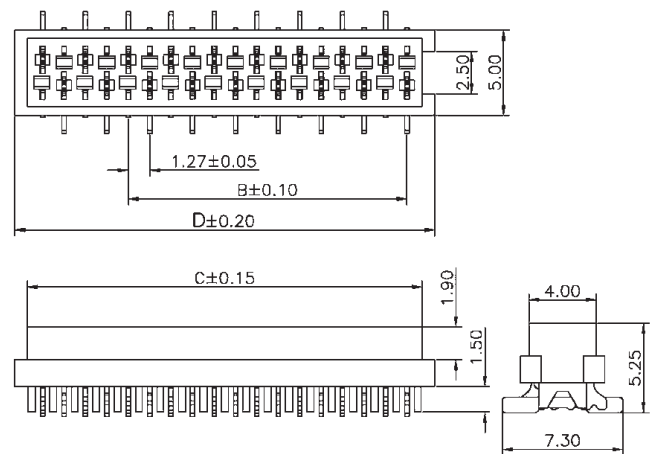
Plating: Mating / Termination Area
 LL = Tin / Tin

1 = with Locking
 0 = without Locking

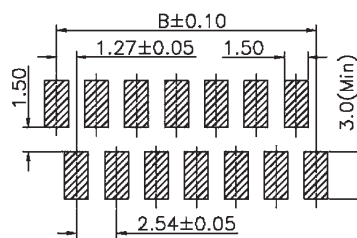
Outline Dimensions with locking



Outline Dimensions without locking



PCB Layout



Standard Types

Part Number	Pin Count	A	B	C	D
MBS-6-S1-LL-*	6	12.24	6.35	8.14	9.54
MBS-8-S1-LL-*	8	14.78	8.89	10.68	12.08
MBS-10-S1-LL-*	10	17.32	11.43	13.22	14.62
MBS-12-S1-LL-*	12	19.86	13.97	15.76	17.16
MBS-14-S1-LL-*	14	22.40	16.51	18.30	19.70
MBS-16-S1-LL-*	16	24.94	19.05	20.84	22.24

For the following pin counts are available on request, please contact Yamaichi

Part Number	Pin Count	A	B	C	D
MBS-4-S1-LL-*	4	9.70	3.81	5.60	7.00
MBS-18-S1-LL-*	18	27.48	21.59	23.38	24.78
MBS-20-S1-LL-*	20	30.02	24.13	25.92	27.32
MBS-22-S1-LL-*	22	32.56	26.67	28.46	29.86
MBS-24-S1-LL-*	24	35.10	29.21	31.00	32.40
MBS-26-S1-LL-*	26	37.64	31.75	33.54	34.94

Specifications

Insulation Resistance: 1,000MΩ min.
 Withstanding Voltage: 500V ACrms for 1 minute
 Contact Resistance: 20mΩ max.
 Current Rating: 1.0A AC/DC
 Voltage Rating: 30V AC/DC
 Operating Temp. Range: -40°C to +105°C

Materials and Finish

Insulator: High Temperature Plastic UL94V-0
 Contacts: Phosphor Bronze
 Plating: Tin over Nickel (matt finish)

Features

- 1.27mm staggered centre line
- Additional positioning spring absorbs relative movements
- Air tight connection

Part Number (Details)

MBP - 16 - T1 - LL - 0

Series (male)

Pin Count

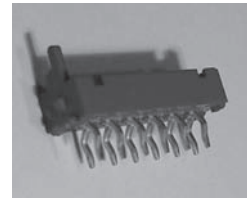
Termination Type:

T1 = TH (180°)

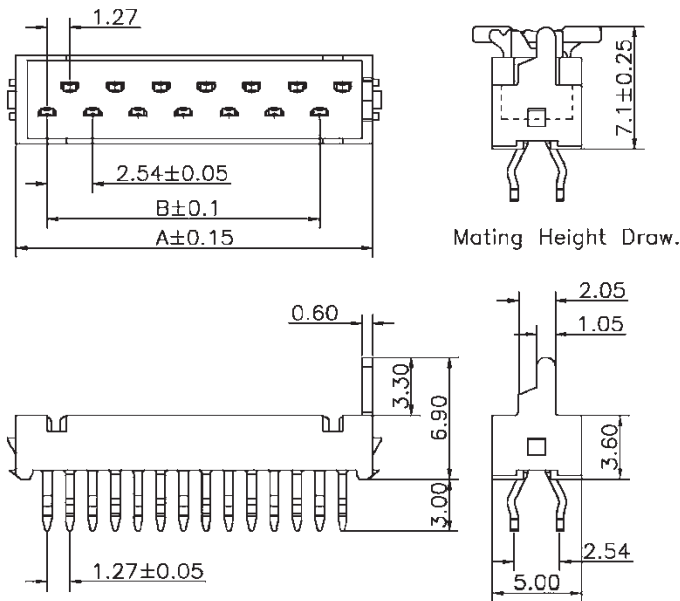
Plating: Mating / Termination Area

LL = Tin / Tin

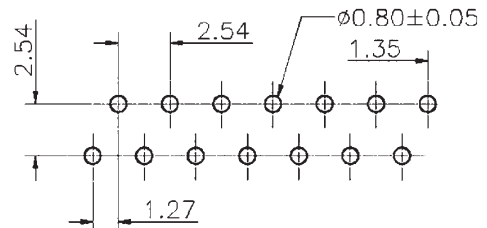
0 = Without Locking



Outline Dimensions 180°



PCB Layout



Standard Types

Part Number	Pin Count	A	B
MBP-6-T1-LL-0	6	9.74	5.08
MBP-8-T1-LL-0	8	12.28	7.62
MBP-10-T1-LL-0	10	14.82	10.16
MBP-12-T1-LL-0	12	17.36	12.70
MBP-14-T1-LL-0	14	19.90	15.24
MBP-16-T1-LL-0	16	22.44	17.78

For the following pin counts are available on request, please contact Yamaichi

Part Number	Pin Count	A	B
MBP-4-T1-LL-0	4	7.20	2.54
MBP-18-T1-LL-0	18	24.98	20.32
MBP-20-T1-LL-0	20	27.52	22.86
MBP-22-T1-LL-0	22	30.06	25.40
MBP-24-T1-LL-0	24	32.60	27.94
MBP-26-ST1-LL-0*	26	35.14	30.48

Series MatchCon 90° Female Box Header (1.27mm Pitch) TH

Specifications

Insulation Resistance: 1,000MΩ min.
 Withstanding Voltage: 500V ACrms for 1 minute
 Contact Resistance: 20mΩ max.
 Current Rating: 1.0A AC/DC
 Voltage Rating: 30V AC/DC
 Operating Temp. Range: -40°C to +105°C

Materials and Finish

Insulator: High Temperature Plastic UL94V-0
 Contacts: Phosphor Bronze
 Plating: Tin over Nickel (matt finish)

Features

- 1.27mm staggered centre line
- Additional positioning spring absorbs relative movements
- Air tight connection

Part Number (Details)

MBS - 16 - T9 - LL - 0

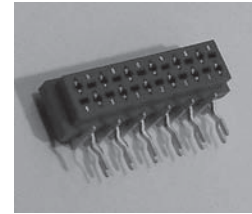
Series (female)

Pin Count

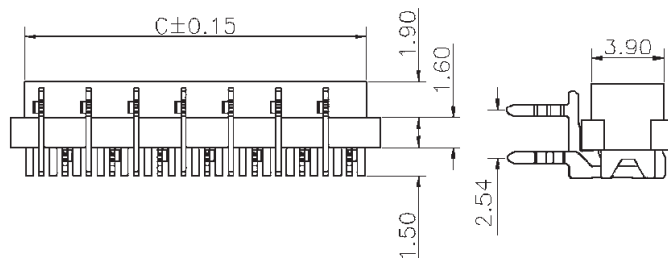
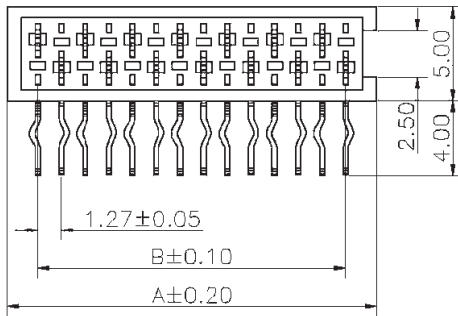
Termination Type:
T9 = TH (90°)

Plating: Mating / Termination Area
LL = Tin / Tin

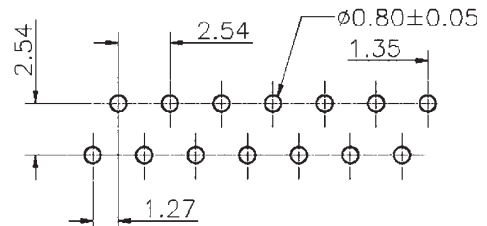
0 = Without Locking



Outline Dimensions (90°)



PCB Layout



1.27 mm Board-to-Board Connectors

Standard Types

Part Number	Pin Count	A	B
MBS-6-T9-LL-0	6	9.74	5.08
MBS-8-T9-LL-0	8	12.28	7.62
MBS-10-T9-LL-0	10	14.82	10.16
MBS-12-T9-LL-0	12	17.36	12.70
MBS-14-T9-LL-0	14	19.90	15.24
MBS-16-T9-LL-0	16	22.44	17.78

For the following pin counts are available on request, please contact Yamaichi

Part Number	Pin Count	A	B
MBS-4-T9-LL-0	4	7.20	2.54
MBS-18-T9-LL-0	18	24.98	20.32
MBS-20-T9-LL-0	20	27.52	22.86
MBS-22-T9-LL-0	22	30.06	25.40
MBS-24-T9-LL-0	24	32.60	27.94
MBS-26-ST9-LL-0	26	35.14	30.48

Specifications

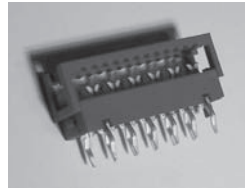
Insulation Resistance: 1,000MΩ min.
 Withstanding Voltage: 500V ACrms for 1 minute
 Contact Resistance: 20mΩ max.
 Current Rating: 1.0A AC/DC
 Voltage Rating: 30V AC/DC
 Operating Temp. Range: -40°C to +105°C

Materials and Finish

Insulator: High Temperature Plastic UL94V-0
 Contacts: Phosphor Bronze
 Plating: Tin over Nickel (matt finish)

Features

- 1.27mm staggered centre line
- Additional positioning spring absorbs relative movements
- Air tight connection



Part Number (Details)

MCP - 16 - TI 9 - LL

Series (male)

No. of Pins

Termination Type:

T = TH
 I = IDC

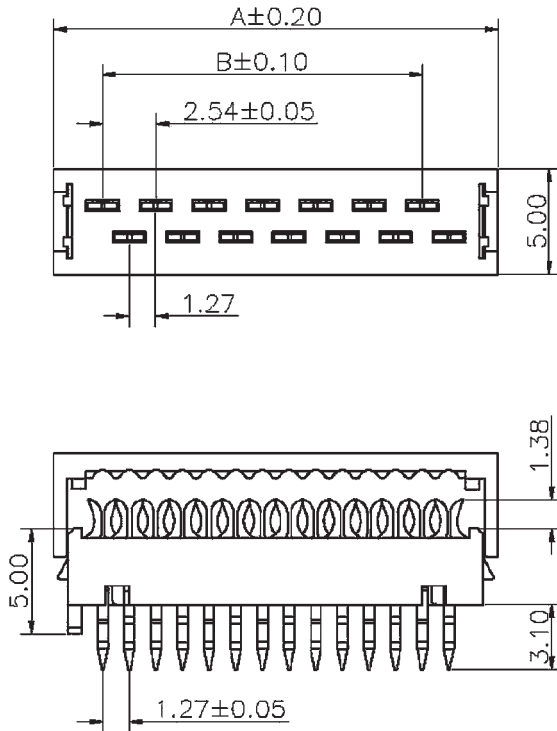
9 = 90° Type

Plating: Mating / Termination Area
 LL = Tin / Tin

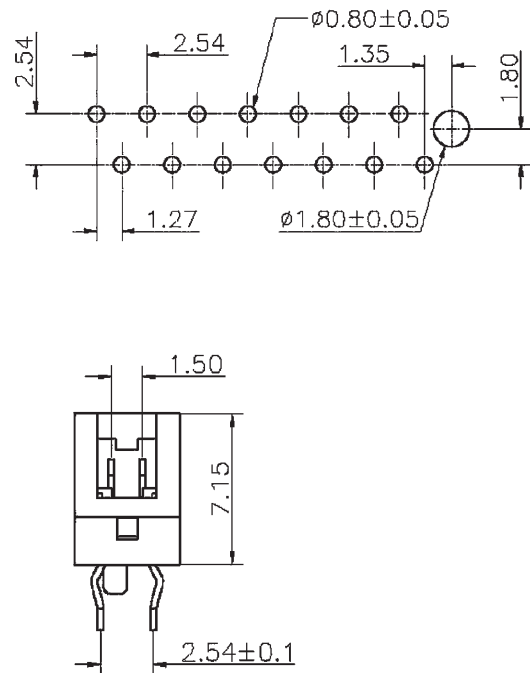
Applicable Cables

AWG 27 stranded wire, 1.27mm pitch
 (e.g. DK**-* , see Section F)

Outline Dimensions (TH 90°)



PCB Layout



Standard Types

Part Number	Pin Count	A	B
MCP-6-TI9-LL	6	10.99	5.08
MCP-8-TI9-LL	8	13.53	7.62
MCP-10-TI9-LL	10	16.07	10.16
MCP-12-TI9-LL	12	18.61	12.70
MCP-14-TI9-LL	14	21.15	15.24
MCP-16-TI9-LL	16	23.69	17.78

For the following pin counts are available on request, please contact Yamaichi

Part Number	Pin Count	A	B
MCP-4-TI9-LL	4	8.45	2.54
MCP-18-TI9-LL	18	26.23	20.32
MCP-20-TI9-LL	20	28.77	22.86
MCP-22-TI9-LL	22	31.31	25.40
MCP-24-TI9-LL	24	33.85	27.94
MCP-26-TI9-LL	26	36.39	30.48

Series MatchCon 90° Male IDC for Flat Cable (1.27mm Pitch)

Specifications

Insulation Resistance: 1,000MΩ min.
 Withstanding Voltage: 500V ACrms for 1 minute
 Contact Resistance: 20mΩ max.
 Current Rating: 1.0A AC/DC
 Voltage Rating: 30V AC/DC
 Operating Temp. Range: -40°C to +105°C

Materials and Finish

Insulator: High Temperature Plastic UL94V-0
 Contacts: Phosphor Bronze
 Plating: Tin over Nickel (matt finish)

Features

- 1.27mm staggered centre line
- Additional positioning spring absorbs relative movements
- Air tight connection



Part Number (Details)

MCP - 16 - 1 - 9 - LL

Series (male)

No. of Pins

Termination Type:

1 = IDC

9 = 90° Type

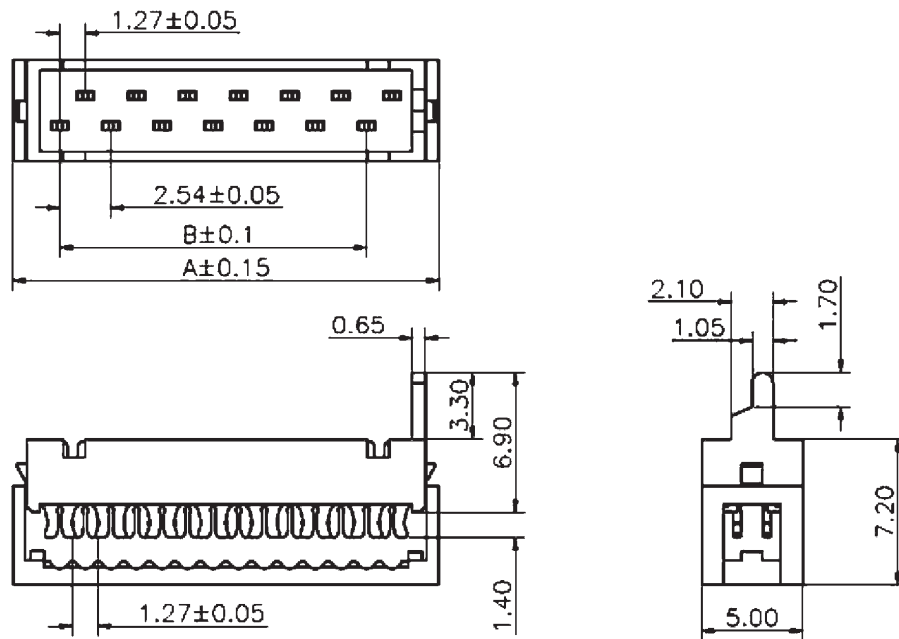
Plating: Mating / Termination Area

LL = Tin / Tin

Applicable Cables

AWG 27 stranded wire, 1.27mm pitch
 (e.g. DK**-* , see Section F)

Outline Dimensions (90°)



1.27 mm Board-to-Board Connectors

Standard Types

Part Number	Pin Count	A	B
MCP-6-19-LL	6	10.99	5.08
MCP-8-19-LL	8	13.53	7.62
MCP-10-19-LL	10	16.07	10.16
MCP-12-19-LL	12	18.61	12.70
MCP-14-19-LL	14	21.15	15.24
MCP-16-19-LL	16	23.69	17.78

For the following pin counts are available on request, please contact Yamaichi

Part Number	Pin Count	A	B
MCP-4-19-LL	4	8.45	2.54
MCP-18-19-LL	18	26.23	20.32
MCP-20-19-LL	20	28.77	22.86
MCP-22-19-LL	22	31.31	25.40
MCP-24-19-LL	24	33.85	27.94
MCP-26-19-LL	26	36.39	30.48