

MF30

-

X

X

X

1

X

-

XX

MF30 Series
3.0mm Pitch



Type
S= SMT
D= Dip
H= Housing
or Contact

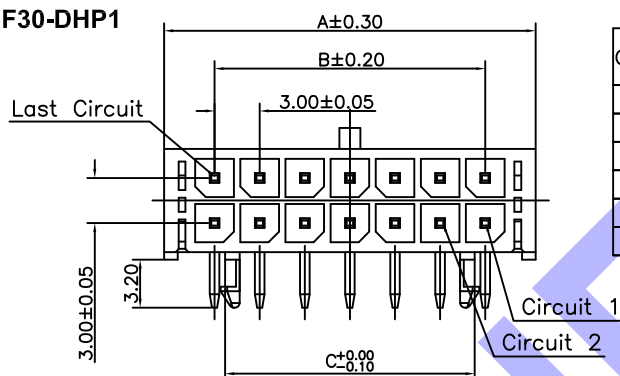
The body of wafer:
H= Horizontal
V= Vertical
Housing:
M= Male
F= Female
Terminal:
M= Male
F= Female

Wafer:
E= w/Ear tab
C= w/Metal Clip
P= w/Pags
Housing:
D= Housing
Terminal:
Blank

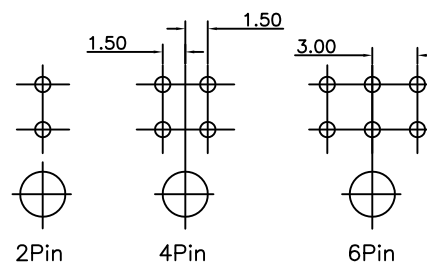
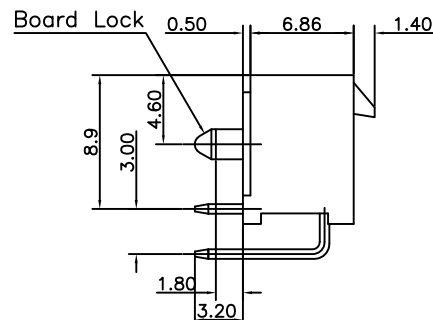
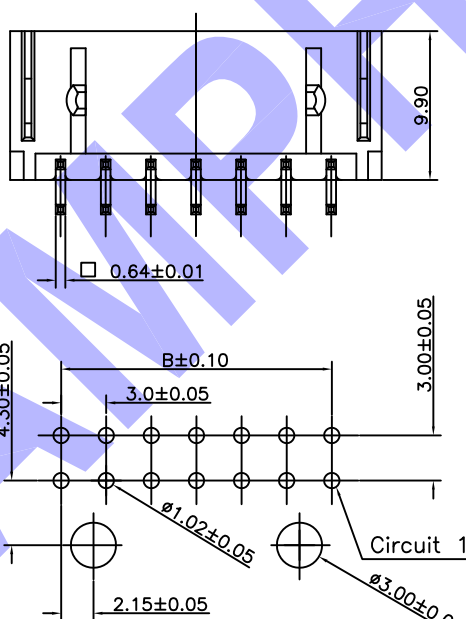
Wafer:
Blank
Housing:
Blank
Terminal:
T= Tin plated

No. of Positions
02~24

MF30-DHP1



Circuits	Dimension			Circuits	Dimension		
	A	B	C		A	B	C
2	6.7	—	2.9	14	24.7	18.0	16.6
4	9.7	3.0	2.9	16	27.7	21.0	19.6
6	12.7	6.0	2.9	18	30.7	24.0	22.6
8	15.7	9.0	7.6	20	33.7	27.0	25.6
10	18.7	12.0	10.6	22	36.7	30.0	28.6
12	21.7	15.0	13.6	24	39.7	33.0	31.6



PCB Layout

General Specification

Materials and Finish:

Insulator: Glass-reinforce thermoplastic,
UL 94V-0, Nylon 46,
Color Black.
Contact: Brass, Tin plated.

Electrical:

Contact Resistance: 10 milliohms
max. at 1A DC
Insulation Resistance: 1000 MΩ min,
at 500 V/DC.
Dielectric Withstanding Voltage:
1500 V AC/RMS 60Hz for one minute.
Current Rating: 5A AC, DC
Voltage Rating: 250V AC/RMS 60Hz,
DC

Environment :

Operating Temperature:
-25 degree C to +105 degree C

MF30

X

X

X

1

X

XX

MF30 Series
3.0mm Pitch



Type
S= SMT
D= Dip
H= Housing
or Contact

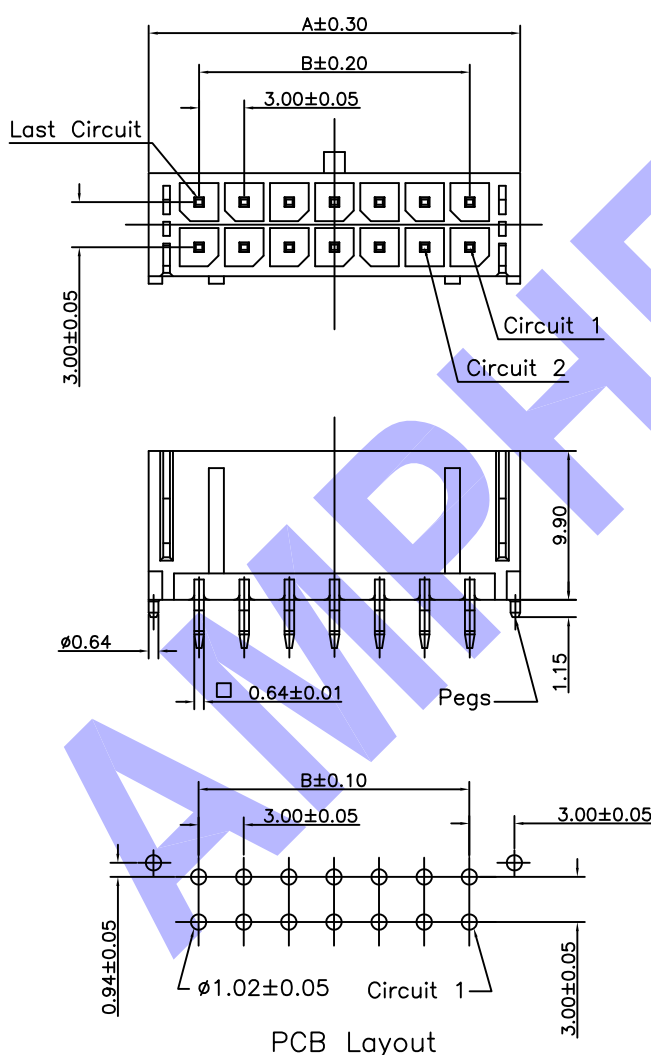
The body of wafer:
H= Horizontal
V= Vertical
Housing:
M= Male
F= Female
Terminal:
M= Male
F= Female

Wafer:
E= w/Ear tab
C= w/Metal Clip
P= w/Pags
Housing:
D= Housing
Terminal:
Blank

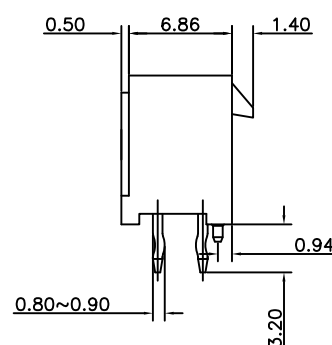
Wafer:
Blank
Housing:
Blank
Terminal:
T= Tin plated

No. of Positions
02~24

MF30-DVP1



Circuits	Dimension		Circuits	Dimension	
	A	B		A	B
2	6.7	—	14	24.7	18.0
4	9.7	3.0	16	27.7	21.0
6	12.7	6.0	18	30.7	24.0
8	15.7	9.0	20	33.7	27.0
10	18.7	12.0	22	36.7	30.0
12	21.7	15.0	24	39.7	33.0



General Specification

Materials and Finish :

Insulator: Glass-reinforce thermoplastic, UL 94V-0, Nylon 46, Color Black.

Contact : Brass, Tin plated.

Electrical :

Contact Resistance: 10 mΩ max. at 1A DC

Insulation Resistance: 1000 MΩ min, at 500 V/DC.

Dielectric Withstanding Voltage : 1500 V AC/RMS 60Hz for one minute.

Current Rating : 5A AC, DC

Voltage Rating : 250V AC/RMS 60Hz, DC

Environment :

Operating Temperature:

-25 degree C to +105 degree C

MF30

MF30 Series
3.0mm Pitch



MF30-HFD1

X

Type
S= SMT
D= Dip
H= Housing
or Contact

X

The body of wafer:
H= Horizontal
V= Vertical
Housing:
M= Male
F= Female
Terminal:
M= Male
F= Female

X

Wafer:
E= w/Ear tab
C= w/Metal Clip
P= w/Pags
Housing:
D= Housing
Terminal:
Blank

1

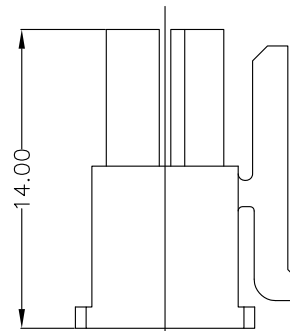
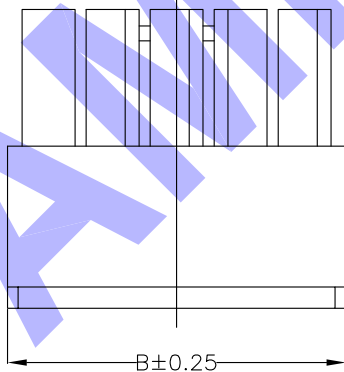
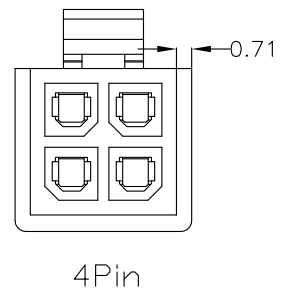
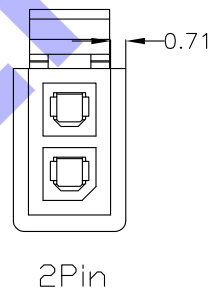
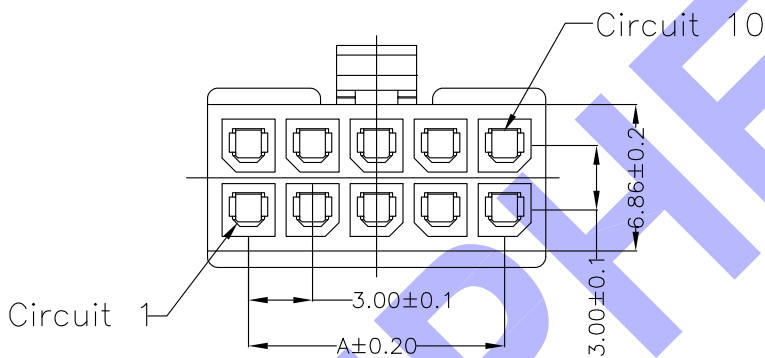
X

Wafer:
Blank
Housing:
Blank
Terminal:
T= Tin plated

XX

No. of Positions
02~24

Poles	Dimension		PCS/BAG	Poles	Dimension		PCS/BAG
	A	B			A	B	
02	—	3.85	1,000	14	18.00	21.85	1,000
04	3.00	6.85	1,000	16	21.00	24.85	1,000
06	6.00	9.85	1,000	18	24.00	27.85	1,000
08	9.00	12.85	1,000	20	27.00	30.85	500
10	12.00	15.85	1,000	22	30.00	33.85	500
12	15.00	18.85	1,000	24	33.00	36.85	500



General Specification

Materials and Finish :

Insulator: Glass-reinforce thermoplastic, UL 94V-0, Nylon 66, Color Black.

Electrical (after assembled with MF30-HF1T-XX):

Contact Resistance: 10 mΩ max. at 1A DC

Insulation Resistance: 1000 MΩ min, at 500 V/DC.

Dielectric Withstanding Voltage : 1500 V AC/RMS 60Hz for one minute.

Current Rating : 5A AC, DC

Voltage Rating : 250V AC/RMS 60Hz, DC

Environment :

Operating Temperature: -25 degree C to +105 degree C

MF30

-

X

X

X

1

X

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XX

MF30 Series
3.0mm Pitch



MF30-HF1T

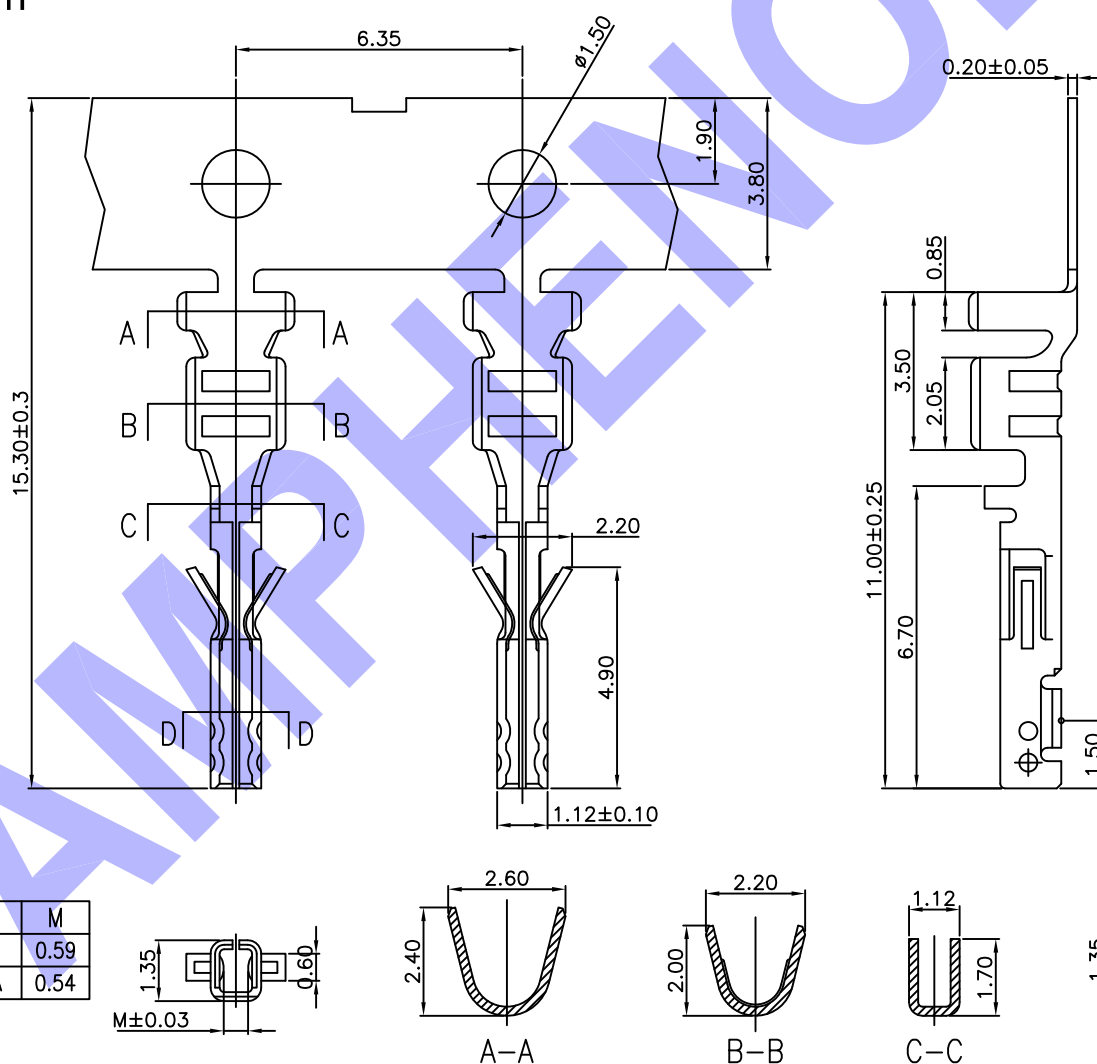
Type
S= SMT
D= Dip
H= Housing
or Contact

The body of wafer:
H= Horizontal
V= Vertical
Housing:
M= Male
F= Female
Terminal:
M= Male
F= Female

Wafer:
E= w/Ear tab
C= w/Metal Clip
P= w/Pags
Housing:
D= Housing
Terminal:
Blank

Wafer:
Blank
Housing:
Blank
Terminal:
T= Tin plated

No. of Positions
02~24



Part No.	M
MF30-HF1T	0.59
MF30-HF1T-A	0.54

General Specification

Materials and Finish :

Contact : Phosphor Bronze
Finish: Tin plated
Application Wires: AWG# 20~24

Electrical(after assembled with MF30-HFD1-XX):

Contact Resistance: 10 mΩ max. at 1A DC
Insulation Resistance: 1000 MΩ min, at 500 V/DC.
Dielectric Withstanding Voltage : 1500 V AC/RMS 60Hz for one minute.
Current Rating : 5A AC, DC
Voltage Rating : 250V AC/RMS 60Hz, DC

Environment :

Operating Temperature:
-25 degree C to +85 degree C

MF30

X

X

X

1

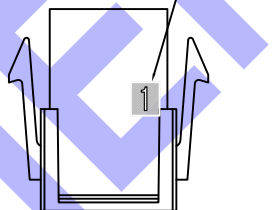
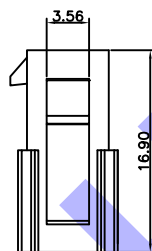
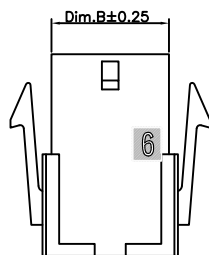
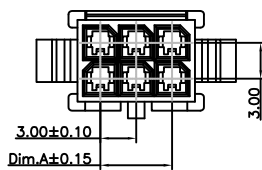
X

XX

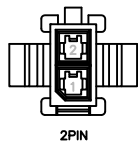
MF30 Series
3.0mm Pitch



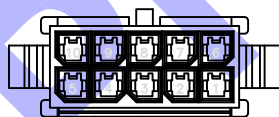
MF30-HMD1



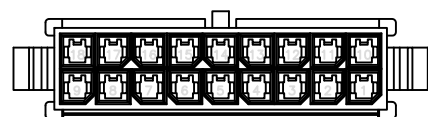
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2	3.00	3.85	4.21	7.90
4	6.00	6.85	7.21	10.90
6	9.00	9.85	10.21	13.89
8	12.00	12.85	13.21	16.89
10	15.00	15.85	16.21	19.89
12	18.00	18.85	19.21	22.89
14	21.00	21.85	22.21	25.88
16	24.00	24.85	25.21	28.88
18	27.00	27.85	28.21	31.88
20	30.00	30.85	31.21	34.87
22	33.00	33.85	34.21	37.87
24	36.00	36.85	37.21	40.87



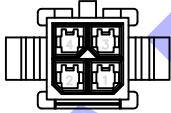
2PIN



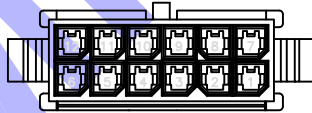
10PIN



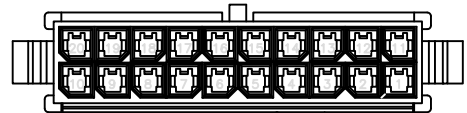
18PIN



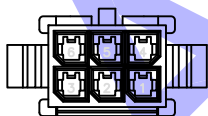
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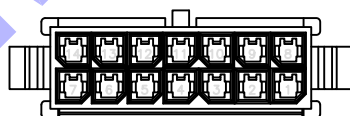
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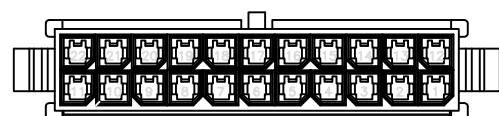
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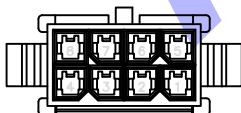
6PIN



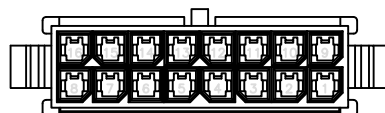
14PIN



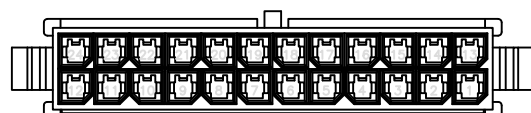
22PIN



8PIN



16PIN



24PIN

General Specification

Materials and Finish :

Insulator: Glass-reinforce thermoplastic, UL 94V-0, Nylon 66, Color Black.

Electrical(after assembled with MF30-HM1T-XX):

Contact Resistance: 10 mΩ max. at 1A DC

Insulation Resistance: 1000 MΩ min, at 500 V/DC.

Dielectric Withstanding Voltage : 1500 V AC/RMS 60Hz for one minute.

Current Rating : 5A AC, DC

Voltage Rating : 250V AC/RMS 60Hz, DC

Environment :

Operating Temperature: -25 degree C to +105 degree C

MF30

MF30 Series
3.0mm Pitch

X

X

X

1

X

XX

Type
S= SMT
D= Dip
H= Housing
or Contact

The body of wafer:
H= Horizontal
V= Vertical
Housing:
M= Male
F= Female
Terminal:
M= Male
F= Female

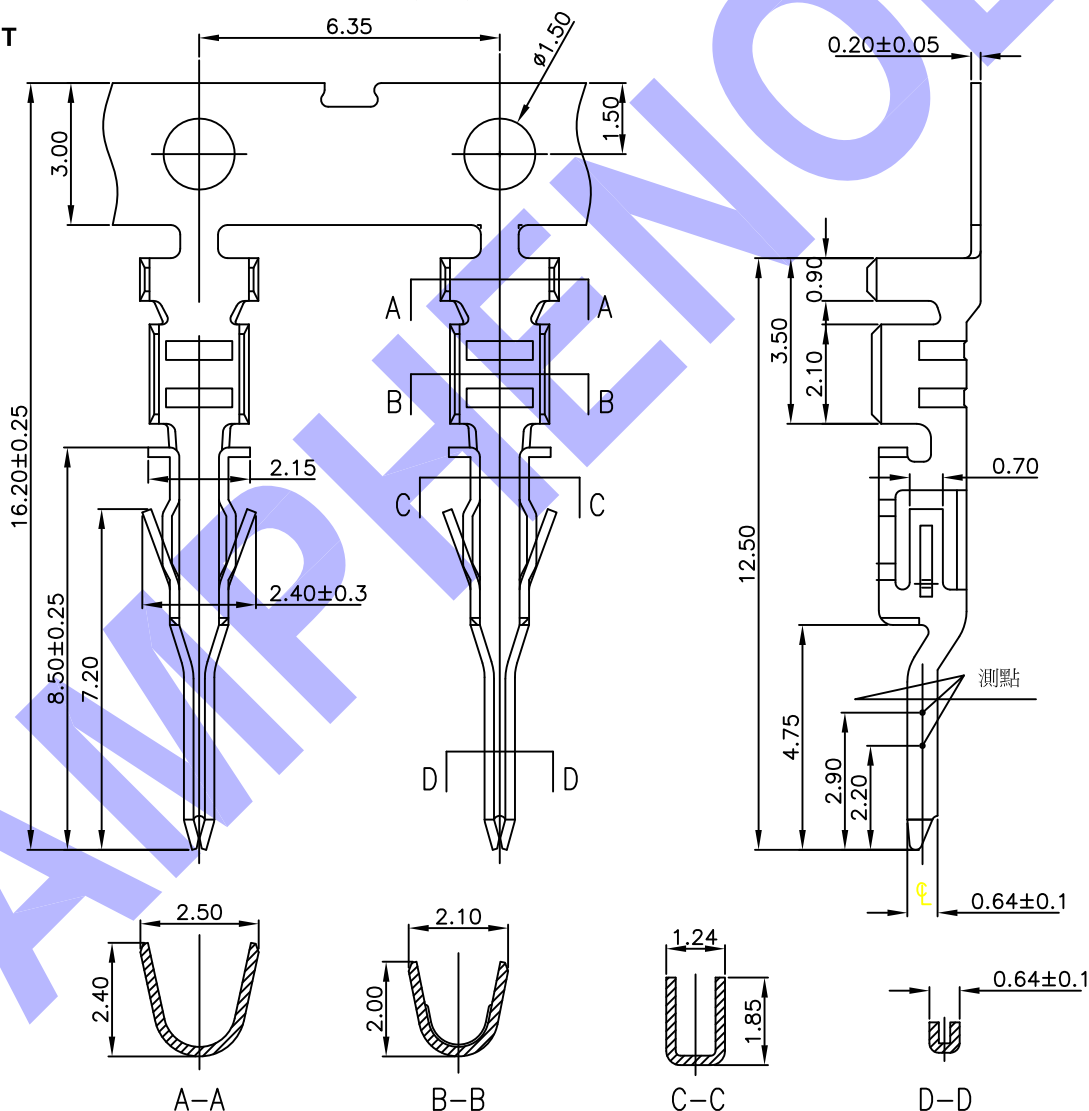
Wafer:
E= w/Ear tab
C= w/Metal Clip
P= w/Pags
Housing:
D= Housing
Terminal:
Blank

Wafer:
Blank
Housing:
Blank
Terminal:
T= Tin plated

No. of Positions
02~24



MF30-HM1T



General Specification

Materials and Finish :

Contact : Phosphor Bronze
Finish: Tin plated
Application Wires: AWG# 20~24

Electrical(after assembled with MF30-HMD1-XX):

Contact Resistance: 20 m Ω max. at 1A DC
Insulation Resistance: 1000 M Ω min, at 500 V/DC.
Dielectric Withstanding Voltage : 1500 V AC/RMS 60Hz for one minute.
Current Rating : 5A AC, DC
Voltage Rating : 250V AC/RMS 60Hz, DC

Environment :

Operating Temperature:
-25 degree C to +85 degree C

MF30**X****X****X****1****X****XX**MF30 Series
3.0mm Pitch

MF30-SHC1

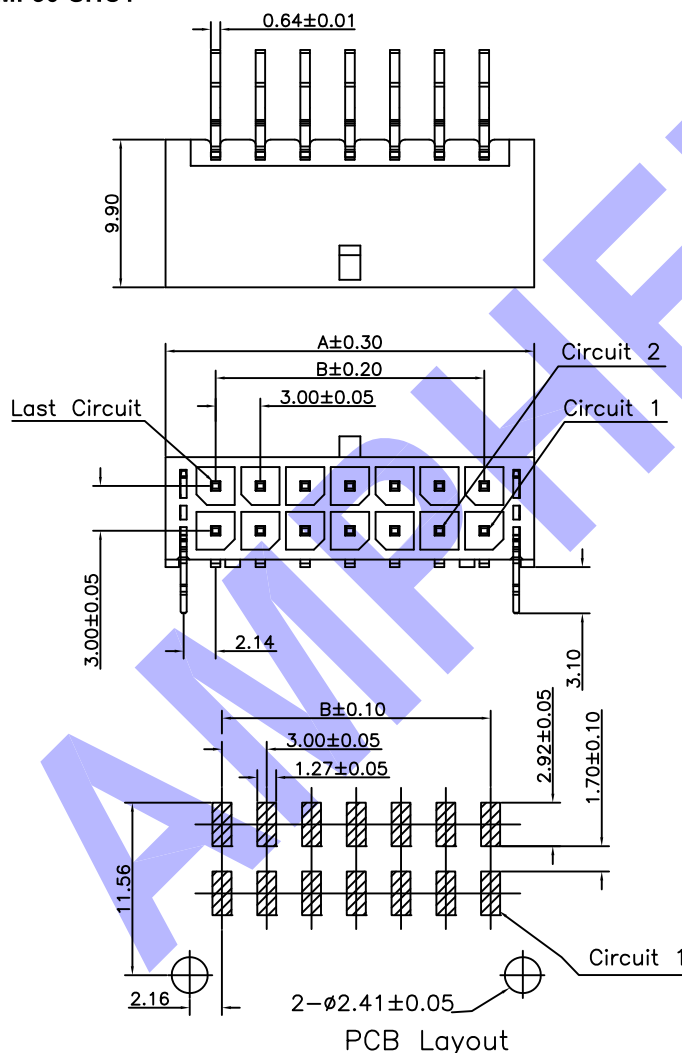
Type
S= SMT
D= Dip
H= Housing
or Contact

The body of wafer:
H= Horizontal
V= Vertical
Housing:
M= Male
F= Female
Terminal:
M= Male
F= Female

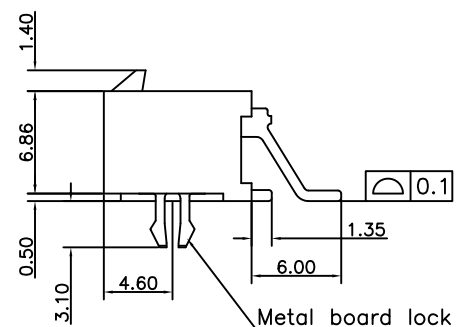
Wafer:
E= w/Ear tab
C= w/Metal Clip
P= w/Pags
Housing:
D= Housing
Terminal:
Blank

Wafer:
Blank
Housing:
Blank
Terminal:
T= Tin plated

No. of Positions
02~24



Circuits	Dimension		Circuits	Dimension	
	A	B		A	B
2	6.7	—	14	24.7	18.0
4	9.7	3.0	16	27.7	21.0
6	12.7	6.0	18	30.7	24.0
8	15.7	9.0	20	33.7	27.0
10	18.7	12.0	22	36.7	30.0
12	21.7	15.0	24	39.7	33.0



General Specification

Materials and Finish :

Insulator: Glass-reinforce thermoplastic, UL 94V-0, Nylon 46, Color Black.

Contact : Brass, Tin plated.

Electrical(after assembled with MF30-HM1T-XX):

Contact Resistance: 10 mΩ max. at 1A DC

Insulation Resistance: 1000 MΩ min, at 500 V/DC.

Dielectric Withstanding Voltage : 1500 V AC/RMS 60Hz for one minute.

Current Rating : 5A AC, DC

Voltage Rating : 250V AC/RMS 60Hz, DC

Environment :

Operating Temperature: -25 degree C to +105 degree C

MF30MF30 Series
3.0mm Pitch**X**

Type
S= SMT
D= Dip
H= Housing
or Contact

X

The body of wafer:
H= Horizontal
V= Vertical
Housing:
M= Male
F= Female
Terminal:
M= Male
F= Female

X

Wafer:
E= w/Ear tab
C= w/Metal Clip
P= w/Pags
Housing:
D= Housing
Terminal:
Blank

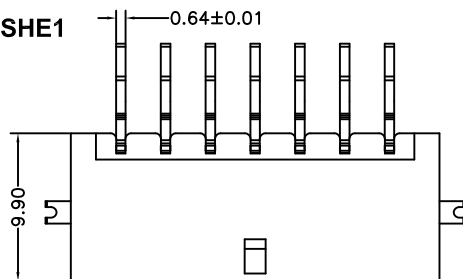
1**X**

Wafer:
Blank
Housing:
Blank
Terminal:
T= Tin plated

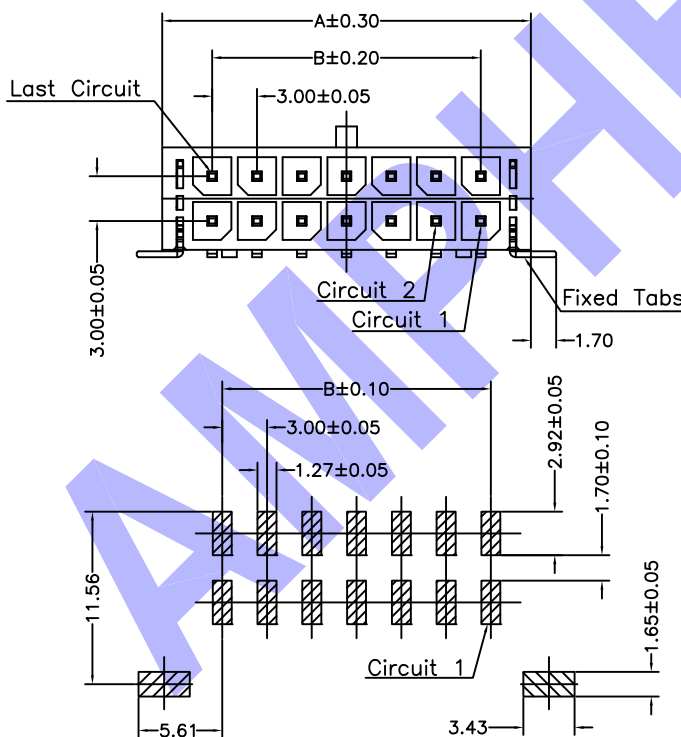
XX

No. of Positions
02~24

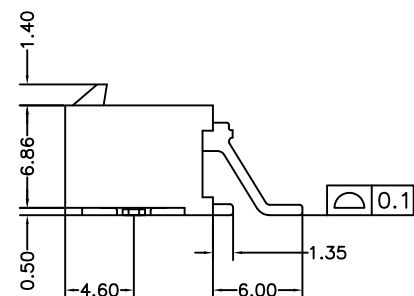
MF30-SHE1



Circuits	Dimension		Circuits	Dimension	
	A	B		A	B
2	6.7	—	14	24.7	18.0
4	9.7	3.0	16	27.7	21.0
6	12.7	6.0	18	30.7	24.0
8	15.7	9.0	20	33.7	27.0
10	18.7	12.0	22	36.7	30.0
12	21.7	15.0	24	39.7	33.0



PCB Layout



General Specification

Materials and Finish :

Insulator: Glass-reinforce thermoplastic, UL 94V-0, Nylon 46, Color Black.

Contact : Brass, Tin plated.

Electrical :

Contact Resistance: 10 mΩ max. at 1A DC

Insulation Resistance: 1000 MΩ min, at 500 V/DC.

Dielectric Withstanding Voltage : 1500 V AC/RMS 60Hz for one minute.

Current Rating : 5A AC, DC

Voltage Rating : 250V AC/RMS 60Hz, DC

Environment :

Operating Temperature:
-25 degree C to +105 degree C

MF30

-

X**X****X****1****X**

-

XX

MF30 Series
3.0mm Pitch



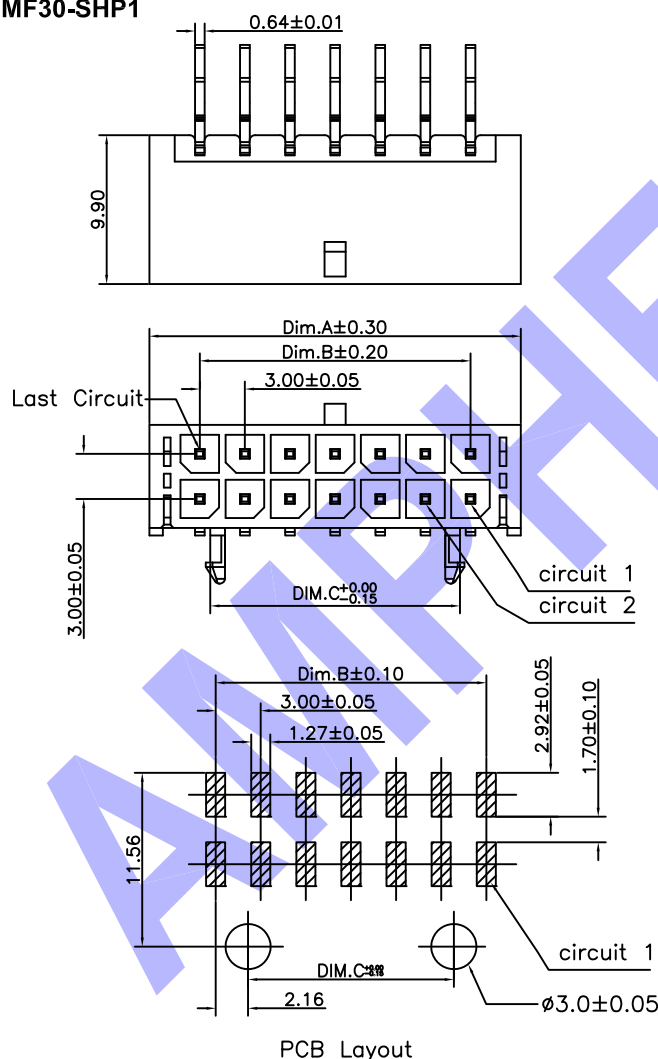
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D= Dip
H= Housing
or Contact

The body of wafer:
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V= Vertical
Housing:
M= Male
F= Female
Terminal:
M= Male
F= Female

Wafer:
E= w/Ear tab
C= w/Metal Clip
P= w/Pags
Housing:
D= Housing
Terminal:
Blank

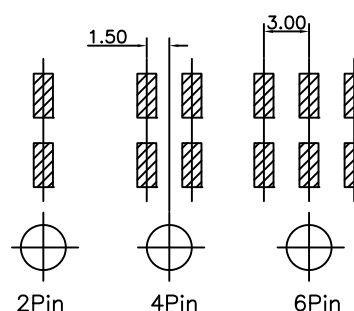
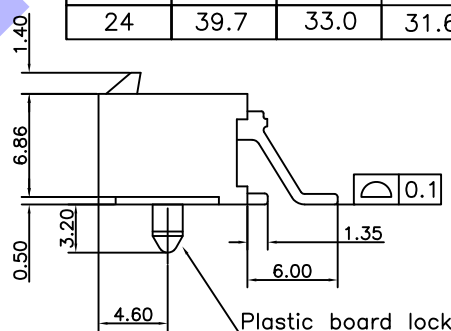
Wafer:
Blank
Housing:
Blank
Terminal:
T= Tin plated

No. of Positions
02~24

MF30-SHP1

PCB Layout

Circuits	Dimension		
	A	B	C
2	6.7	—	2.9
4	9.7	3.0	2.9
6	12.7	6.0	2.9
8	15.7	9.0	7.6
10	18.7	12.0	10.6
12	21.7	15.0	13.6
14	24.7	18.0	16.6
16	27.7	21.0	19.6
18	30.7	24.0	22.6
20	33.7	27.0	25.6
22	36.7	30.0	28.6
24	39.7	33.0	31.6



General Specification

Materials and Finish :

Insulator: Glass-reinforce thermoplastic, UL 94V-0, Nylon 46, Color Black.

Contact : Brass, Tin plated.

Electrical :

Contact Resistance: 10 mΩ max. at 1A DC

Insulation Resistance: 1000 MΩ min, at 500 V/DC.

Dielectric Withstanding Voltage : 1500 V AC/RMS 60Hz for one minute.

Current Rating : 5A AC, DC

Voltage Rating : 250V AC/RMS 60Hz, DC

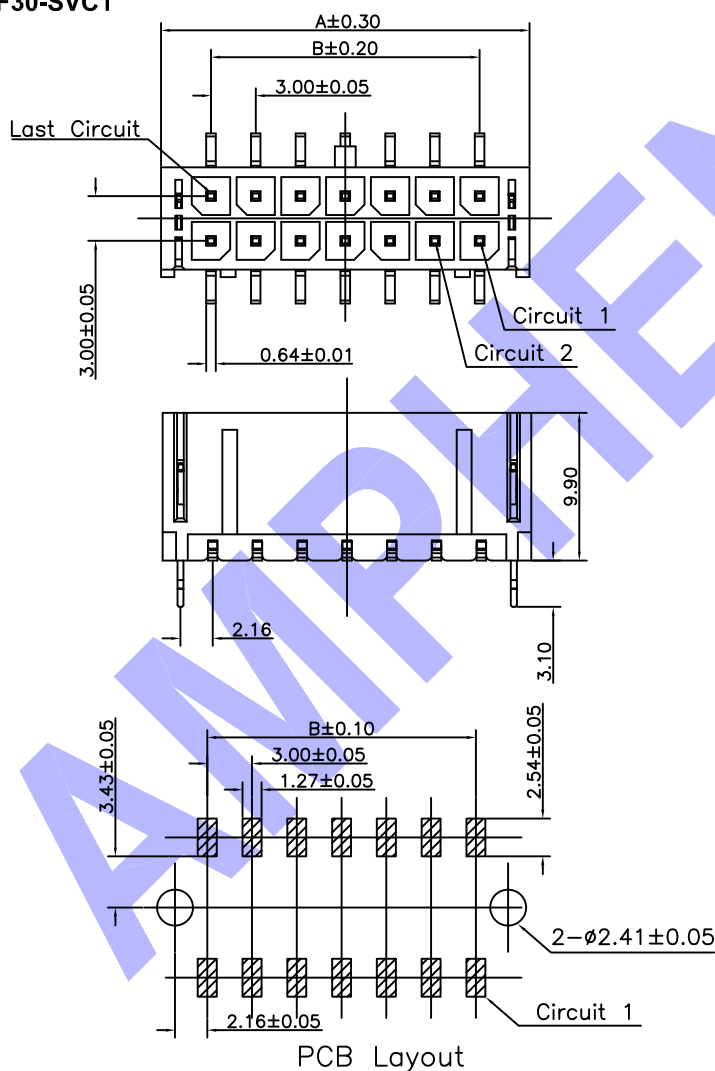
Environment :

Operating Temperature:

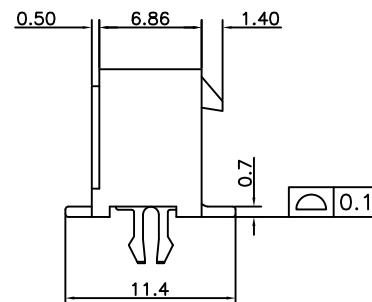
-25 degree C to +105 degree C

MF30MF30 Series
3.0mm Pitch**X**Type
S= SMT
D= Dip
H= Housing
or Contact**X**The body of wafer:
H= Horizontal
V= Vertical
Housing:
M= Male
F= Female
Terminal:
M= Male
F= Female**X****Wafer:**
E= w/Ear tab
C= w/Metal Clip
P= w/Pags
Housing:
D= Housing
Terminal:
Blank**1****X****Wafer:**
Blank
Housing:
Blank
Terminal:
T= Tin plated**XX****No. of Positions**
02~24

MF30-SVC1



Circuits	Dimension		Circuits	Dimension	
	A	B		A	B
2	6.7	—	14	24.7	18.0
4	9.7	3.0	16	27.7	21.0
6	12.7	6.0	18	30.7	24.0
8	15.7	9.0	20	33.7	27.0
10	18.7	12.0	22	36.7	30.0
12	21.7	15.0	24	39.7	33.0



General Specification

Materials and Finish :**Insulator:** Glass-reinforce thermoplastic, UL 94V-0, Nylon 46, Color Black.**Contact :** Brass, Tin plated.**Electrical :****Contact Resistance:** 10 mΩ max. at 1A DC**Insulation Resistance:** 1000 MΩ min, at 500 V/DC.**Dielectric Withstanding Voltage :** 1500 V AC/RMS 60Hz for one minute.**Current Rating :** 5A AC, DC**Voltage Rating :** 250V AC/RMS 60Hz, DC**Environment :****Operating Temperature:**
-25 degree C to +105 degree C

MF30**X****X****X****1****X****XX**MF30 Series
3.0mm Pitch

MF30-SVE1

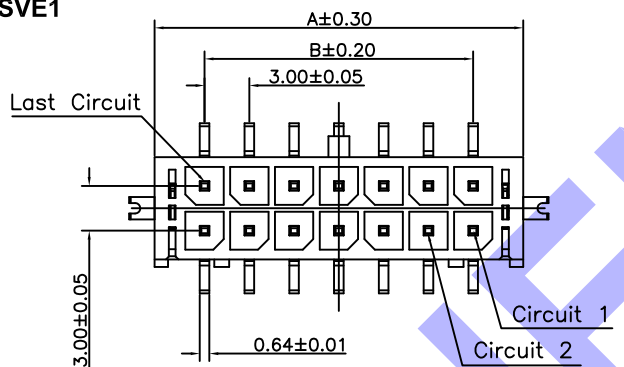
Type
S= SMT
D= Dip
H= Housing
or Contact

The body of wafer:
H= Horizontal
V= Vertical
Housing:
M= Male
F= Female
Terminal:
M= Male
F= Female

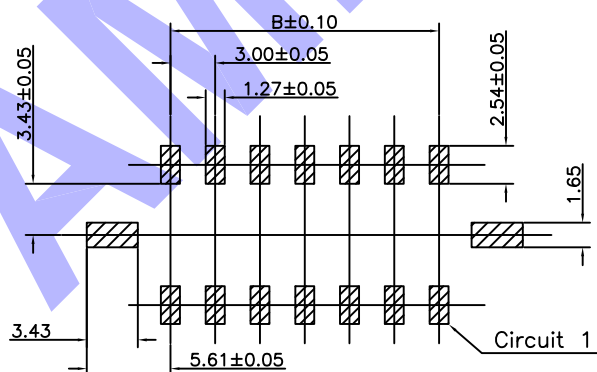
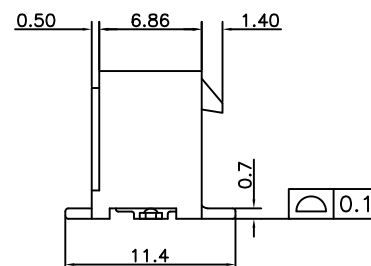
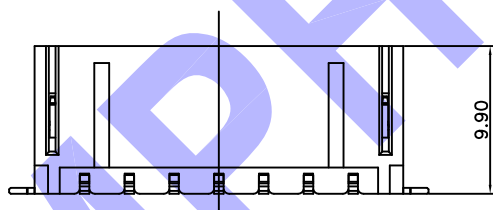
Wafer:
E= w/Ear tab
C= w/Metal Clip
P= w/Pags
Housing:
D= Housing
Terminal:
Blank

Wafer:
Blank
Housing:
Blank
Terminal:
T= Tin plated

No. of Positions
02~24



Circuits	Dimension		Circuits	Dimension	
	A	B		A	B
2	6.7	—	14	24.7	18.0
4	9.7	3.0	16	27.7	21.0
6	12.7	6.0	18	30.7	24.0
8	15.7	9.0	20	33.7	27.0
10	18.7	12.0	22	36.7	30.0
12	21.7	15.0	24	39.7	33.0



PCB Layout

General Specification

Materials and Finish :

Insulator: Glass-reinforce thermoplastic, UL 94V-0, Nylon 46, Color Black.

Contact : Brass, Tin plated.

Electrical :

Contact Resistance: 10 mΩ max. at 1A DC

Insulation Resistance: 1000 MΩ min, at 500 V/DC.

Dielectric Withstanding Voltage : 1500 V AC/RMS 60Hz for one minute.

Current Rating : 5A AC, DC

Voltage Rating : 250V AC/RMS 60Hz, DC

Environment :**Operating Temperature:**

-25 degree C to +105 degree C