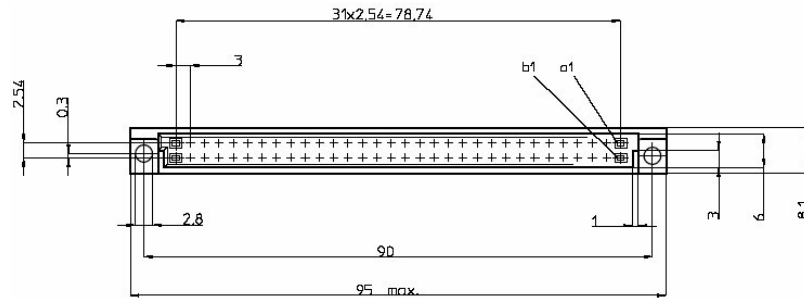
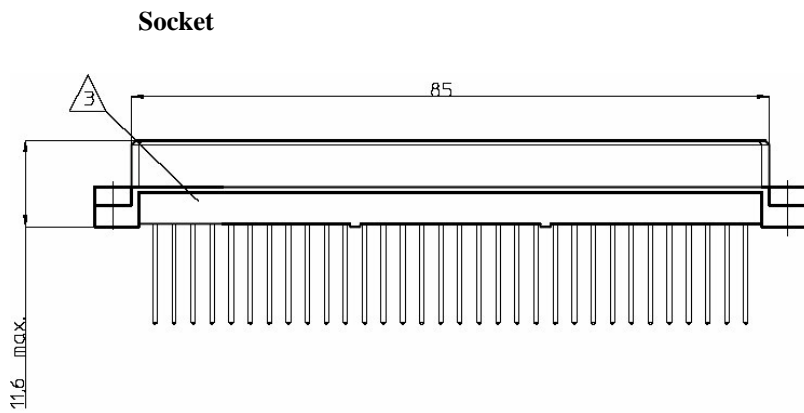


# Backplane Connectors

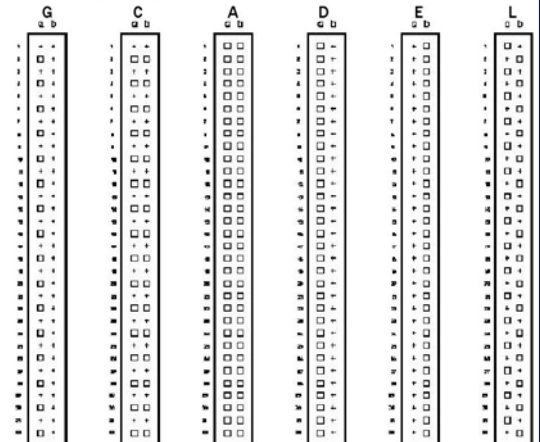
# Cambridge Connectors

## Type B

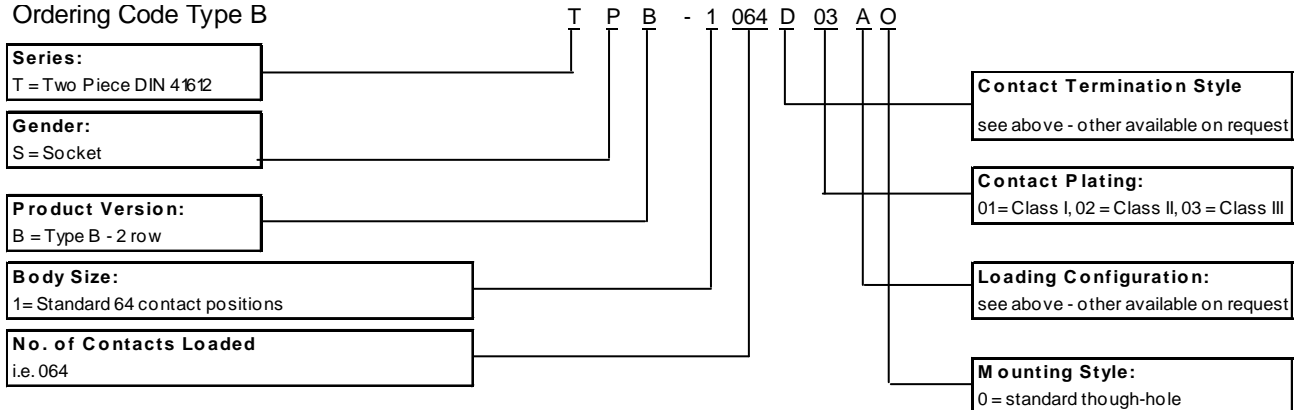


Code	Desc.	Tail Length in mm Female
A	dip solder str.	2.9
C	dip solder str.	4
W	Wire wrap str.	7.4
E	wire wrap str.	13
P	press fit str.	3.0
R	press fit str.	5
T	Press fit str.	13

Loading Configurations: - = contact loaded + = no contact



### Ordering Code Type B

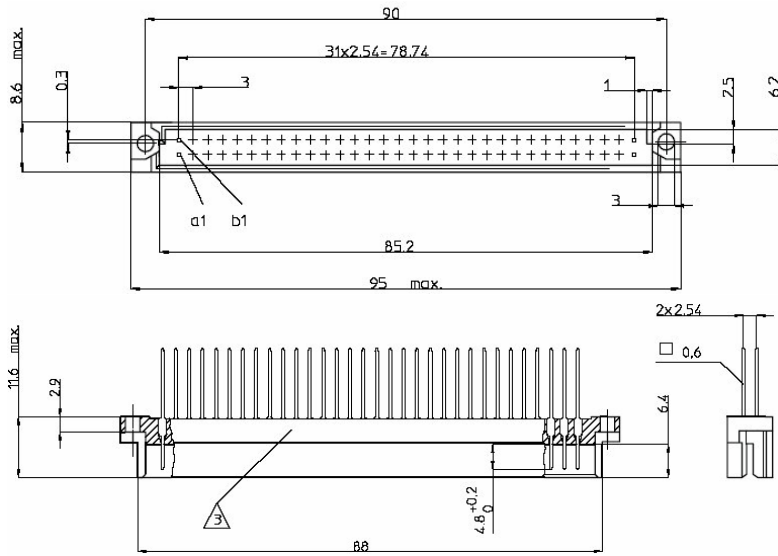


# Backplane Connectors

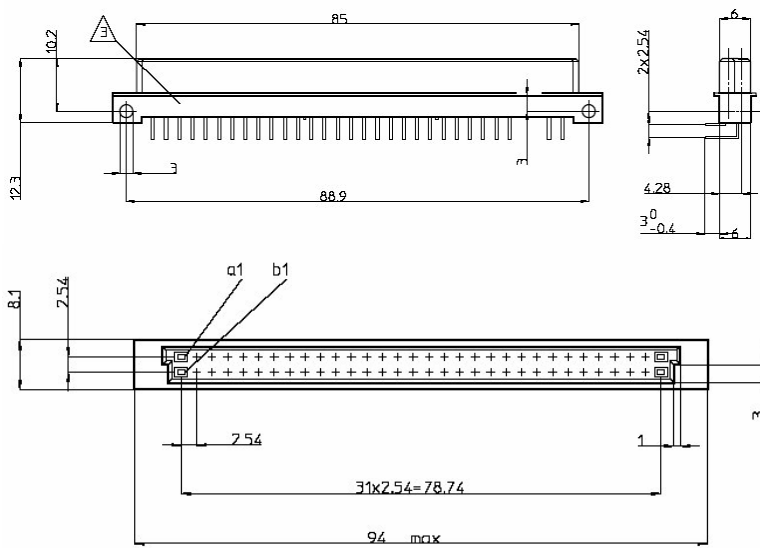
# Cambridge Connectors

## Type Q

## Plug

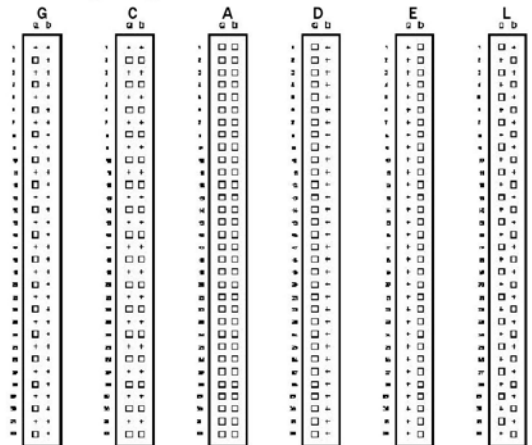


## Socket

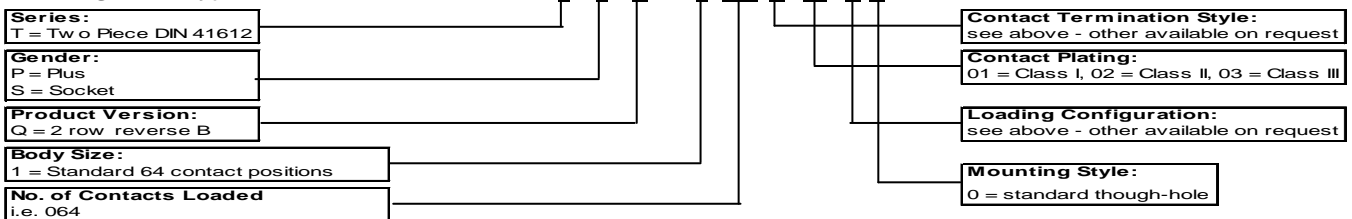


Code	Desc.	Tail Length in mm Male	Tail Length in mm Female
A	dip solder str.	2.8	
C	dip solder str.	4.5	
D	dip solder r/a		2.5
W	wire wrap str.	9.5	
E	wire wrap str.	13	

Loading Configurations: - = contact loaded + = no contact



### Ordering Code Type Q

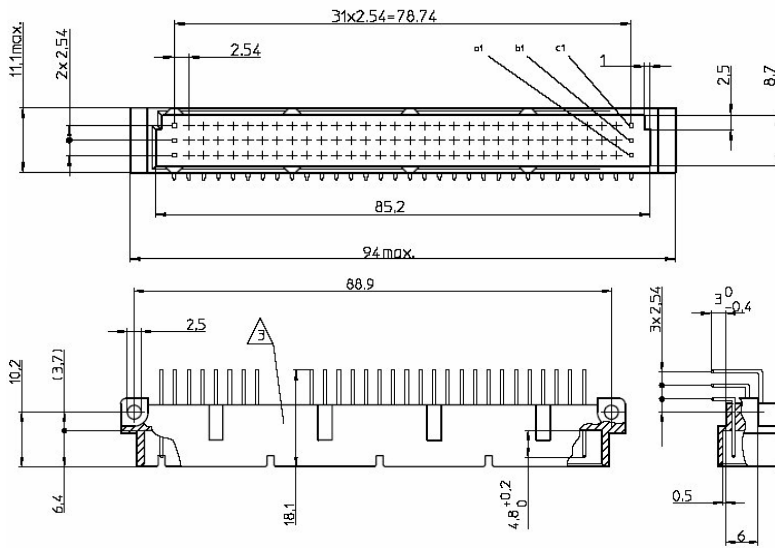


# Backplane Connectors

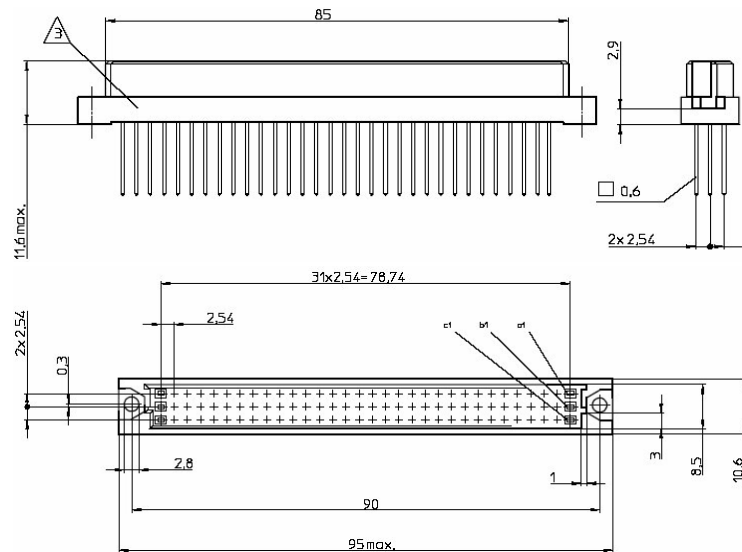
# Cambridge Connectors

## Type C

## Plug

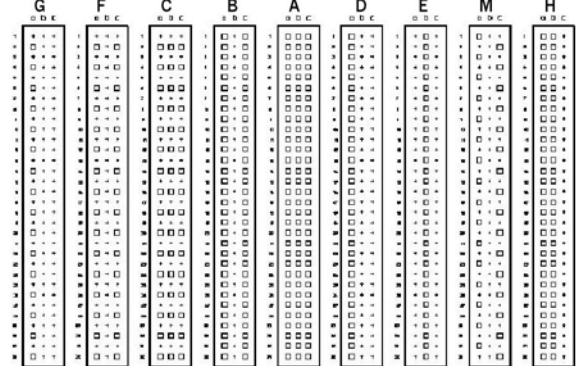


## Socket



Code	Desc.	Tail Length in mm Male	Tail Length in mm Female
A	dip solder str.	2.8	2.9
C	dip solder str.	3.7	
D	dip solder r/a	2.5	
E	wire wrap str.	14.9	13
W	wire wrap str.	9.8	7.4
R	press fit str.		5.5
T	press fit str.		13
Q	press fit r/a	2.5	

Loading Configurations: - = contact loaded + = no contact



### Ordering Code Type C

#### Series:

T = Two Piece DIN 41612

#### Gender:

P = Plus

S = Socket

#### Product Version:

C = 3 row

#### Body Size:

1 = Standard 96 contact positions

#### No. of Contacts Loaded

i.e. 096

T P C - 1 096 D 03 A O

#### Contact Termination Style:

see above - other available on request

#### Contact Plating:

01 = Class I, 02 = Class II, 03 = Class III

#### Loading Configuration:

see above - other available on request

#### Mounting Style:

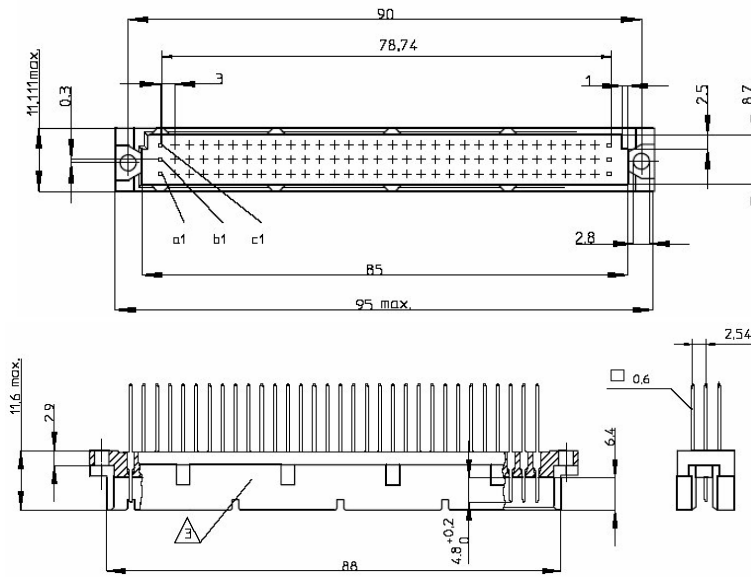
0 = standard through-hole

# Backplane Connectors

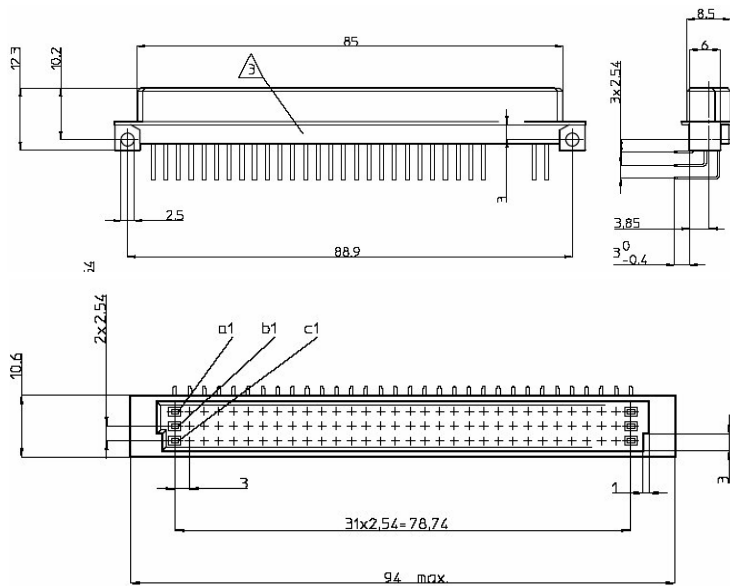
# Cambridge Connectors

## Type R

## Plug

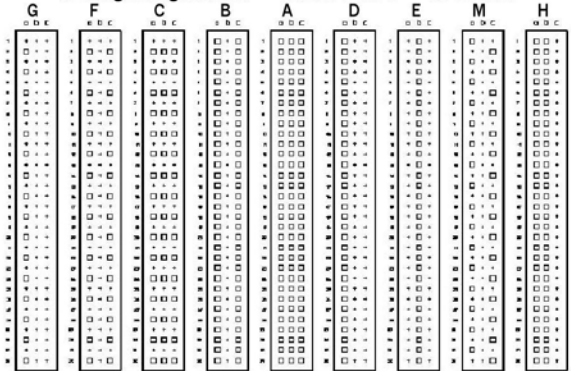


## Socket



Code	Desc.	Tail Length in mm Male	Tail Length in mm Female
A	dip solder str.	2.8	
C	dip solder str.	4.5	
D	dip solder r/a		2.5
W	wire wrap str.	9.5	
T	Wire wrap str.	13	
G	press fit str.	20	

Loading Configurations: - = contact loaded + = no contact



### Ordering Code Type R

#### Series:

T = Two Piece DIN 41612

#### Gender:

P = Plug

S = Socket

#### Product Version:

R = 3 row reverse C

#### Body Size:

1 = Standard 96 contact positions

#### No. of Contacts Loaded

i.e. 096

T P R - 1 096 C 03 A O

#### Contact Termination Style:

see above - other available on request

#### Contact Plating:

01 = Class I, 02 = Class II, 03 = Class III

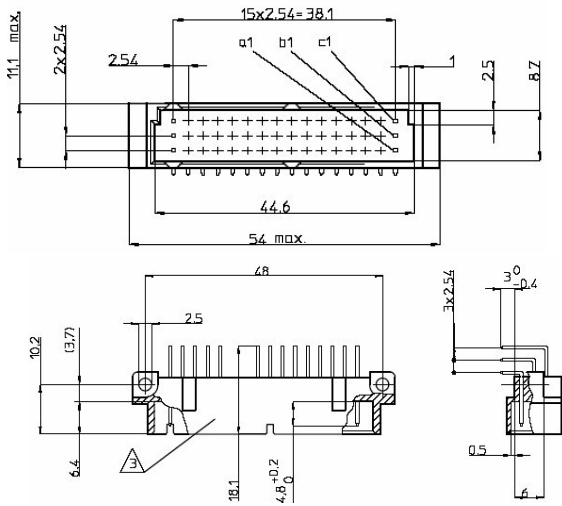
#### Loading Configuration:

see above - other available on request

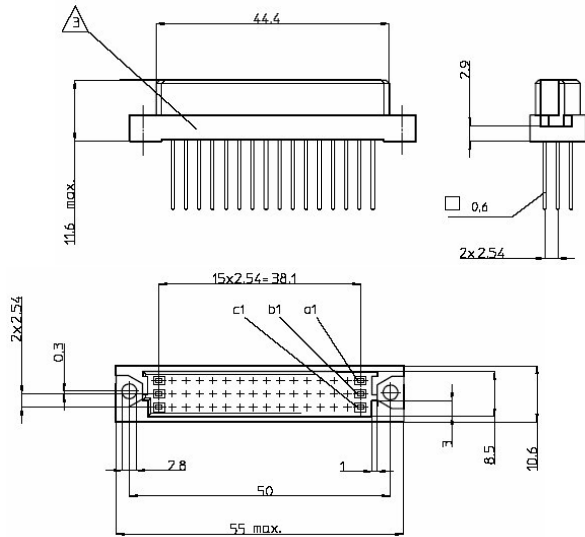
#### Mounting Style:

0 = standard through-hole

Type C/2 Plug

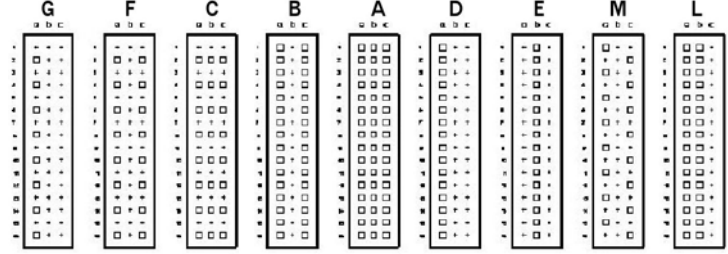


Socket

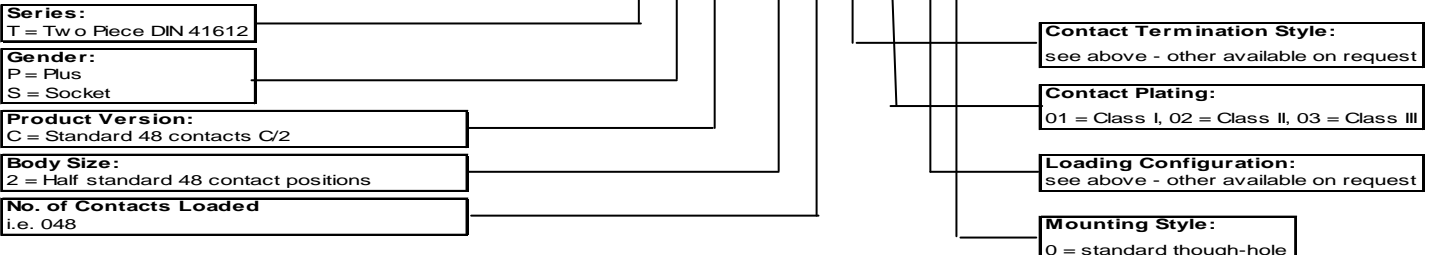


Code	Desc.	Tail Length in mm Male	Tail Length in mm Female
A	dip solder str.	2.8	2.9
C	dip solder str.	3.7	4
E	wire wrap str.		13
W	wire wrap str.	9.8	7.4
P	press fit str.		3
R	press fit str.		5
T	press fit str.		13
Q	press fit r/a	2.5	

Loading Configurations: - = contact loaded + = no contact

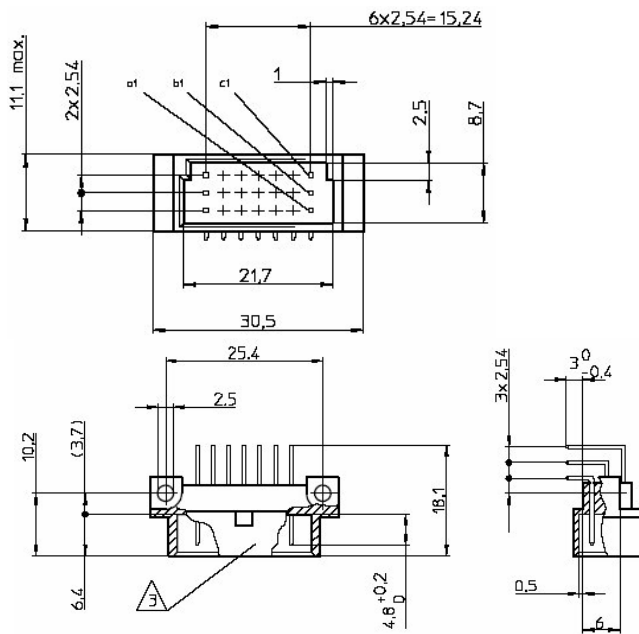


Ordering Code Type C/2

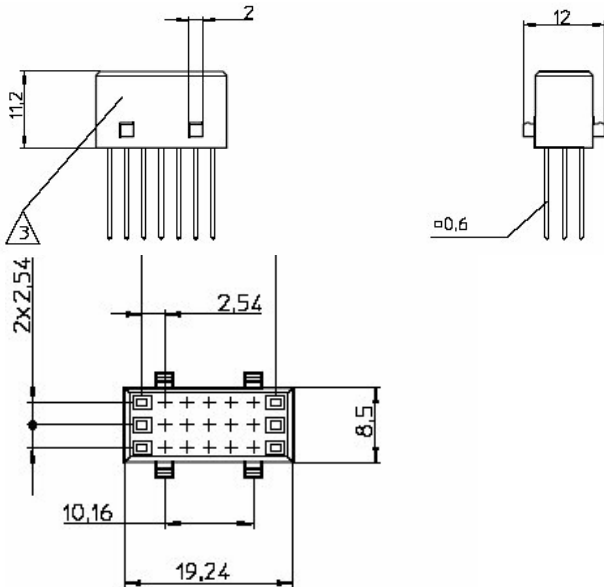


Type C/4

Plug

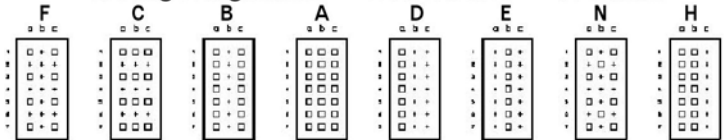


Socket



Code	Desc.	Tail Length in mm Male	Tail Length in mm Female
D	dip solder r/a	2.5	
Q	press fit r/a	2.5	
A	dip solder str.	2.8	3.3
P	press fit str.		3
C	dip solder str.	3.7	4.4
R	press fit str.		5.5
W	wire wrap str.	9.8	7.7
E	wire wrap str.	14.9	13
T	press fit str.		13

Loading Configurations: - = contact loaded + = no contact



Ordering Code Type C/4

Series:

T = Two Piece DIN 41612

Gender:

P = Plus

S = Socket

Product Version:

C = Standard 21 contacts (C/4)

Body Size:

4 = 21 contacts

No. of Contacts Loaded

i.e. 021

T P C - 4 021 D 03 A O

**Contact Termination Style:**  
see above - other available on request

**Contact Plating:**  
01 = Class I, 02 = Class II, 03 = Class III

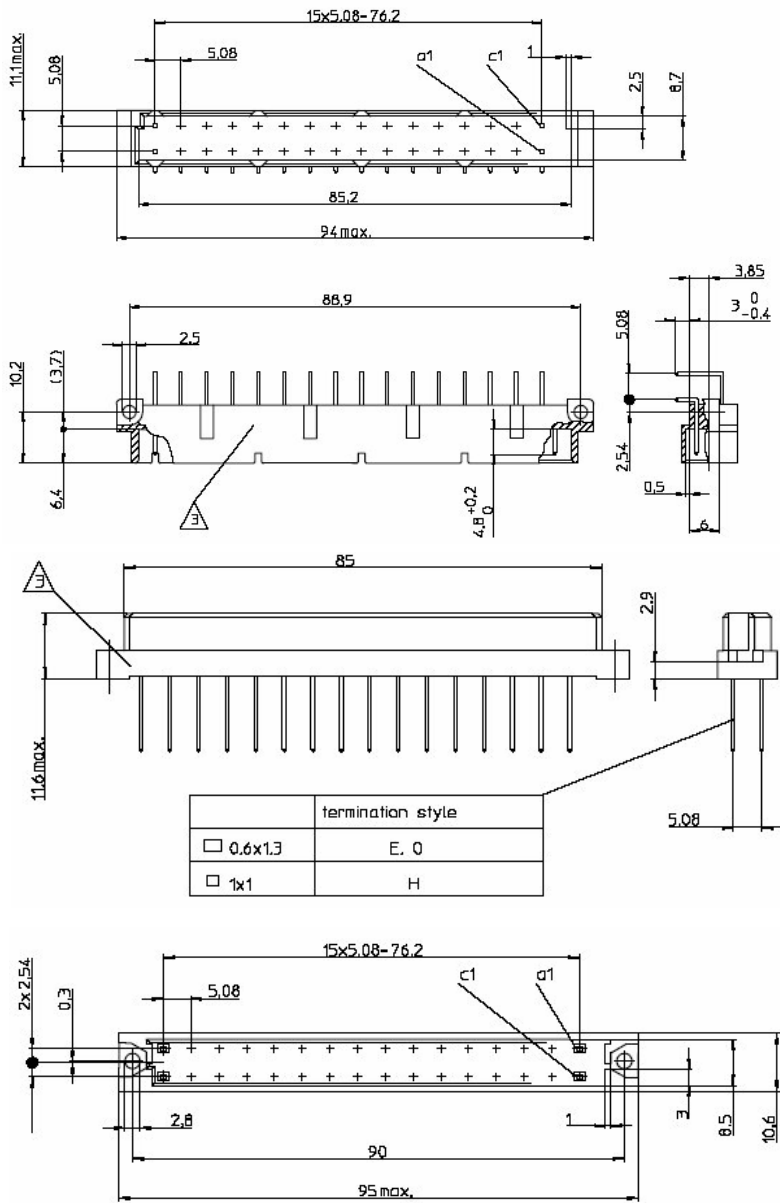
**Loading Configuration:**  
see above - other available on request

**Mounting Style:**  
0 = standard through-hole

# Backplane Connectors

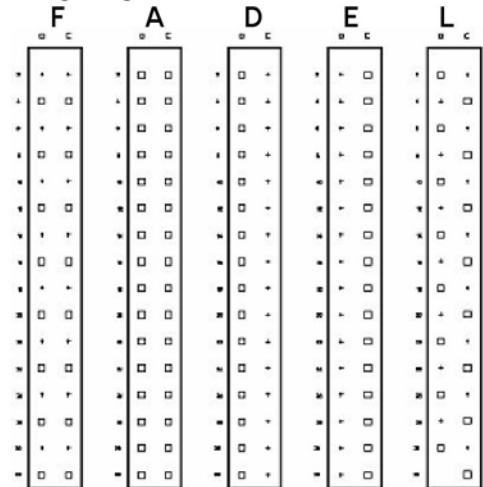
# Cambridge Connectors

## Type D Plug

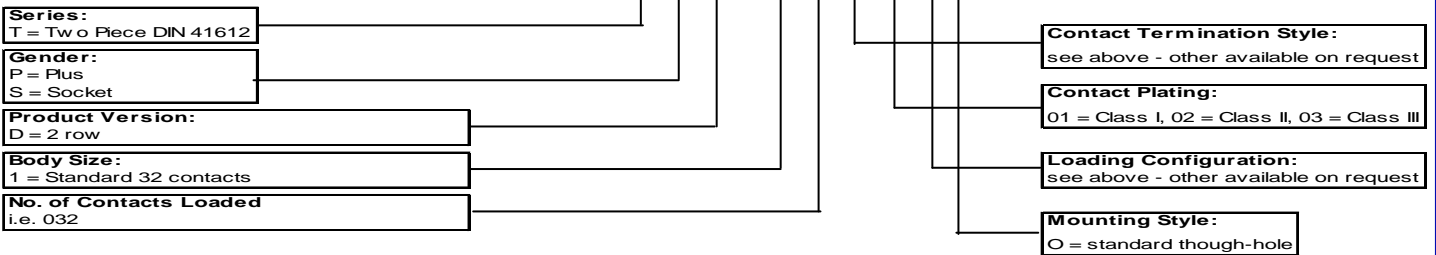


Code	Desc.	Tail Length in mm Male	Tail Length in mm Female
C	dip solder str.	4.6	4
D	dip solder r/a	3	
E	wire wrap str.	1.3	20

Loading Configurations: - = contact loaded + = no contact



### Ordering Code Type D



**Specifications**

<b>TYPE B</b>	IEC 603	DIN 41612
<b>MATERIALS</b>		
Connector body	Glass fibre filed polyester	
Female contact	Phosphor bronze	
Male contact	Copper alloy	
Contact plating	Nickel all over + hard gold MIL-G-45204B Type II (99.0% gold minimum) Grade C (Knoop hardness 130-200)	
<b>ELECTRIC DATA</b>		
Current rating	1.5A at 20°C 1A at 80°C 0.75A at 100°C	
Proof voltage	Contact/contact 1000 V (rms) Contact/test panel 1550V (rms)	
Insulation resistance	≥ 10 <sup>6</sup> MΩ	
Contact resistance	≤ 20 MΩ	
<b>PHYSICAL DATA</b>		
Temperature range	-55°C - +125°C	
Flammability	UL 94 V-O	
Insertion Force	32 pole ≤ 30 N 64 pole ≤ 60 N	
Retention force	≥ 0.15 N/contact pair	
Mechanical endurance, salt mist, industrial atmosphere and other requirements according to IEC 603		
<b>QUALITY DATA</b>		
Contact surface mechanically polished. Dual-beam female contact profiled to trapezoidal form		
First make - last break option available on male pins		

<b>TYPE Q</b>	IEC 603	DIN 41612
<b>MATERIALS</b>		
Connector body	Glass fibre filed polyester	
Female contact	Phosphor bronze	
Male contact	Copper alloy	
Contact plating	Nickel all over + hard gold MIL-G-45204B Type II (99.0% gold minimum) Grade C (Knoop hardness 130-200)	
<b>ELECTRIC DATA</b>		
Current rating	1.5A at 20°C 1A at 80°C 0.75A at 100°C	
Proof voltage	Contact/contact 1000 V (rms) Contact/test panel 1550V (rms)	
Insulation resistance	≥ 10 <sup>6</sup> MΩ	
Contact resistance	≤ 20 MΩ	
Minimum distance between	Creepage	Clearance
- adjacent contacts	1.2mm	1.2mm
- contact and chassis	1.8mm	1.6mm
<b>PHYSICAL DATA</b>		
Temperature range	-55°C - +125°C	
Flammability	UL 94 V-O	
Insertion Force	32 pole ≤ 30 N 64 pole ≤ 60 N	
Retention force	≥ 0.15 N/contact pair	
Mechanical endurance, salt mist, industrial atmosphere and other requirements according to IEC 603		
<b>QUALITY DATA</b>		
Contact surface mechanically polished. Dual-beam female contact profiled to trapezoidal form		
First make - last break option available on male pins		



**Specifications**

<b>TYPE C</b>	IEC 603    DIN 41612
	DIN41612
<b>MATERIALS</b>	
Connector body	Glass fibre filed polyester
Female contact	Phosphor bronze
Male contact	Copper alloy
Contact plating	Nickel all over + hard gold MIL-G-45204B Type II (99.0% gold minimum) Grade C (Knoop hardness 130-200)
<b>ELECTRIC DATA</b>	
Current rating	1.5A at 20°C 1A at 80°C 0.75A at 100°C
Proof voltage	Contact/contact 1000 V (rms) Contact/test panel 1550V (rms)
Insulation resistance	≥ 10 <sup>6</sup> MΩ
Contact resistance	≤ 20 MΩ
<b>PHYSICAL DATA</b>	
Temperature range	-55°C - +125°C
Flammability	UL 94 V-O
Insertion Force	32 pole ≤ 30 N 64 pole ≤ 60 N 96 pole ≤ 90 N
Retention force	≥ 0.15 N/contact pair
Mechanical endurance, salt mist, industrial atmosphere and other requirements according to IEC 603	
<b>QUALITY DATA</b>	
Contact surface mechanically polished. Dual-beam female contact profiled to trapezoidal form	
First make - last break option available on male pins	

<b>TYPE R</b>	
	REVERSED IEC 603 DIN 41612
<b>MATERIALS</b>	
Connector body	Glass fibre filed polyester
Female contact	Phosphor bronze
Male contact	Copper alloy
Contact plating	Nickel all over + hard gold MIL-G-45204B Type II (99.0% gold minimum) Grade C (Knoop hardness 130-200)
<b>ELECTRIC DATA</b>	
Current rating	1.5A at 20°C    1A at 80°C    0.75A at 100°C
Proof voltage	Contact/contact 1000 V (rms) Contact/test panel 1550V (rms)
Insulation resistance	≥ 10 <sup>6</sup> MΩ
Contact resistance	≤ 20 MΩ
<b>PHYSICAL DATA</b>	
Temperature range	-55°C - +125°C
Flammability	UL 94 V-O
Insertion Force	32 pole ≤ 30 N 64 pole ≤ 60 N 96 pole ≤ 90 N
Retention force	≥ 0.15 N/contact pair
Mechanical endurance, salt mist, industrial atmosphere and other requirements according to IEC 603	
<b>QUALITY DATA</b>	
Contact surface mechanically polished. Dual-beam female contact profiled to trapezoidal form	
First make - last break option available on male pins	

**Specifications**

<b>TYPE C/2 C/4</b>	
Half length of Type C in IEC 603 and DIN 41612	
<b>MATERIALS</b>	
Connector body	Glass fibre filed polyester
Female contact	Phosphor bronze
Male contact	Copper alloy
Contact plating	Nickel all over + hard gold MIL-G-45204B Type II (99.0% gold minimum) Grade C (Knoop hardness 130-200)
<b>ELECTRIC DATA</b>	
Current rating	1.5A at 20°C    1A at 80°C    0.75A at 100°C
Proof voltage	Contact/contact 1000 V (rms) Contact/test panel 1550V (rms)
Insulation resistance	≥ 10 <sup>6</sup> MΩ
Contact resistance	≤ 20 MΩ
<b>PHYSICAL DATA</b>	
Temperature range	-55°C - +125°C
Flammability	UL 94 V-O
Insertion Force	32 pole ≤ 30 N 48 pole ≤ 50 N
Retention force	≥ 0.15 N/contact pair
Mechanical endurance, salt mist, industrial atmosphere and other requirements according to IEC 603	
<b>QUALITY DATA</b>	
Contact surface mechanically polished. Dual-beam female contact profiled to trapezoidal form	
First make - last break option available on male pins	

<b>TYPE D</b>	
IEC 603    DIN 41612	
<b>MATERIALS</b>	
Connector body	Glass fibre filed polyester
Female contact	Phosphor bronze
Male contact	Copper alloy
Contact plating	Nickel all over + hard gold MIL-G-45204B Type II (99.0% gold minimum) Grade C (Knoop hardness 130-200)
<b>ELECTRIC DATA</b>	
Current rating	1.5A at 20°C    1A at 80°C    0.75A at 100°C
Proof voltage	Contact/contact 1000 V (rms) Contact/test panel 1550V (rms)
Insulation resistance	≥ 10 <sup>6</sup> MΩ
Contact resistance	≤ 20 MΩ
Minimum distance between	Creepage                  Clearance
- adjacent contacts	3.0mm                      3.0mm
- contact and chassis	1.8mm                      1.6mm
<b>PHYSICAL DATA</b>	
Temperature range	-55°C - +125°C
Flammability	UL 94 V-O
Insertion Force	32 pole ≤ 30 N
Retention force	≥ 0.15 N/contact pair
Mechanical endurance, salt mist, industrial atmosphere and other requirements according to IEC 603	
<b>QUALITY DATA</b>	
Contact surface mechanically polished. Dual-beam female contact profiled to trapezoidal form	