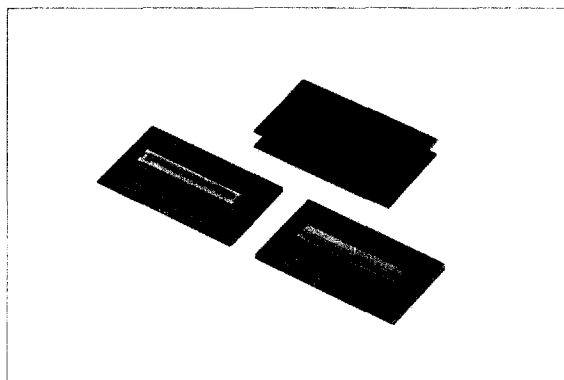
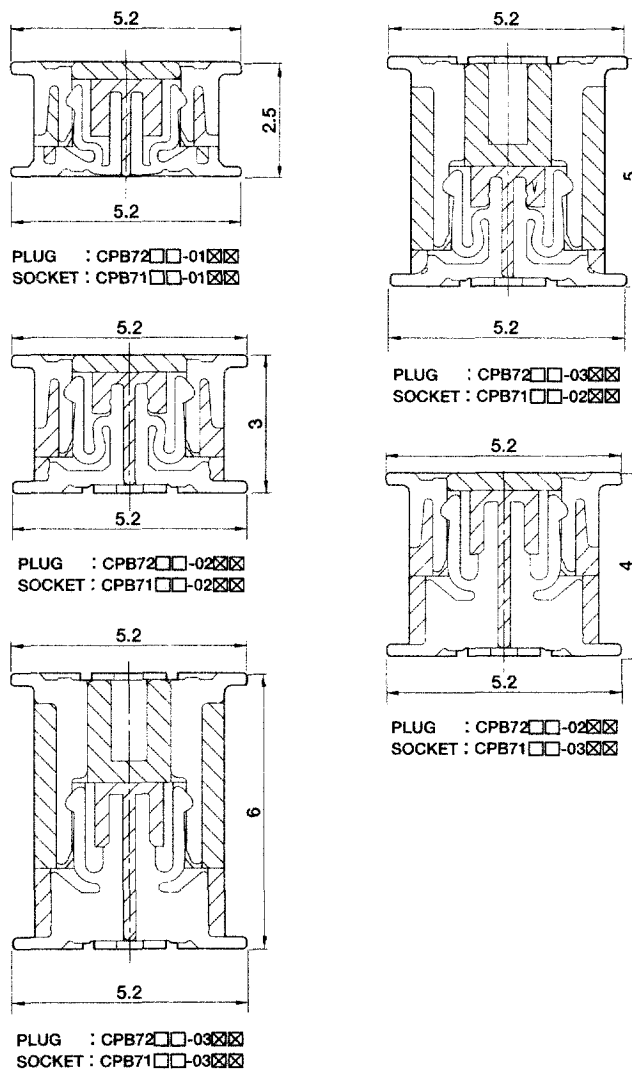


# PB-5 Series 0.5mm Spacing



■嵌合図  
Connection Diagram



■特長

1. 端子間ピッチ0.5mmの2列タイプのボードtoボードコネクタです。
2. 基板間寸法は2.5mmから6.0mmまでの5種類があります。
3. 補強金具付きにより強い半田付け強度が得られます。
4. 極数は20Pから100Pまで揃えており、高密度実装に最適です。
5. 十分な実装用吸着面を保有しながら、小型化を実現しています。

■仕様

1. 定格電圧電流 AC/DC50V 0.5A (40Pまで)  
AC/DC50V 0.3A (100Pまで)
2. 接触抵抗 50mΩ以下
3. 絶縁抵抗 DC100V 100MΩ以上
4. 耐電圧 AC100V 1分間
5. 使用温度範囲 -25℃～+70℃

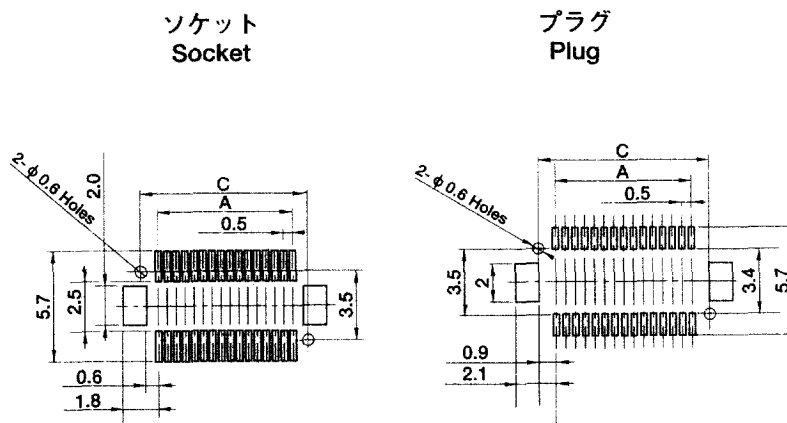
■Features

- A dual-lined board to board connector of a between terminal pitch of 0.5mm.
- Variety of 5 between PWB dimensions from 2.5mm to 6.0mm available.
- Use of supporting hardware ensures high degree solder strength.
- With choices of 20p to 100p, most suitable for high density surface mounting.
- Compact design yet a sufficient suction area provided.

■Specifications

- Rating : 0.5A 50V AC/DC (up to 40Poles)  
0.3A 50V AC/DC (up to 100Poles)
- Contact Resistance : 50mΩ max.
- Insulation Resistance : 100MΩ min. at 100V DC
- Withstanding Voltage : 100V AC for one minute
- Operating Temperature Range : -25℃～+70℃

■取付基板参考図  
Recommended Mounting PC Board



- ソケット Socket CPB71□□-01□□ (S Type)
- CPB71□□-02□□ (M Type)
- CPB71□□-03□□ (H Type)

極数 No. of Pins

20	20	4.5	5.89	6.3	6.9	7.8
30	30	7.0	8.39	8.8	9.4	10.3
40	40	9.5	10.89	11.3	11.9	12.8
50	50	12.0	13.39	13.8	14.4	15.3
60	60	14.5	15.89	16.3	16.9	17.8
70	70	17.0	18.39	18.8	19.4	20.3
80	80	19.5	20.89	21.3	21.9	22.8
100	91	24.5	25.89	26.3	26.9	27.8

ボス穴ピッチ Boss Pitch

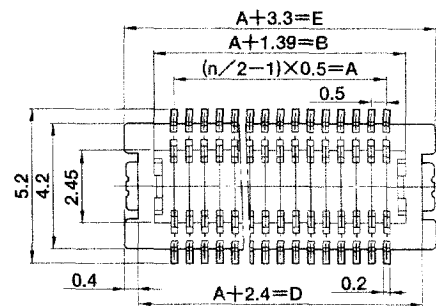
■材質 表面処理

- 1.ハウジング LCP 原色 94V-0
- 2.コンタクト リン青銅 半田めっき (極数20~60P)  
金めっき (極数70~100P)
- 3.フレーム リン青銅 半田めっき

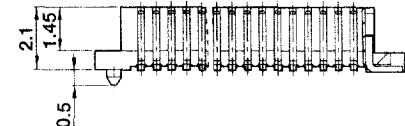
■Materials & Plating

- Housing : LCP (Natural color) 94V-0
- Contact : Phosphor Bronze Tin-lead Plating (20~60Poles)  
Gold Plating (70~100Poles)
- Frame : Phosphor Bronze Tin-lead Plating

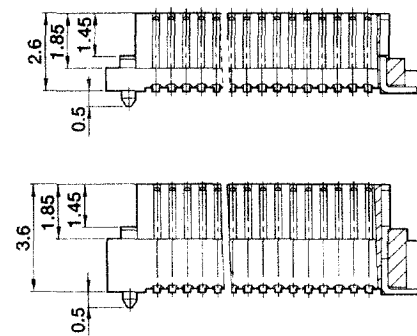
S Type



M Type



H Type



- プラグ Plug CPB72□□-01□□ (S Type)
- CPB72□□-02□□ (M Type)
- CPB72□□-03□□ (H Type)

極数 No. of Pins

20	20	4.5	5.9	6.3	7.3	8.4
30	30	7.0	8.4	8.8	9.8	10.9
40	40	9.5	10.9	11.3	12.3	13.4
50	50	12.0	13.4	13.8	14.8	15.9
60	60	14.5	15.9	16.3	17.3	18.4
70	70	17.0	18.4	18.8	19.8	20.9
80	80	19.5	20.9	21.3	22.3	23.4
100	91	24.5	25.9	26.3	27.3	28.4

ボス穴ピッチ Boss Pitch

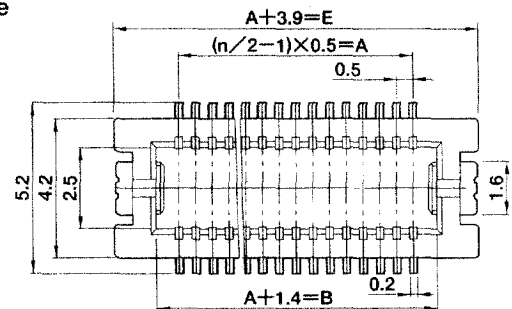
■材質 表面処理

- 1.ハウジング LCP 原色 94V-0
- 2.コンタクト リン青銅 半田めっき (極数20~60P)  
金めっき (極数70~100P)
- 3.フレーム リン青銅 半田めっき

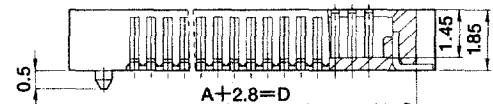
■Materials & Plating

- Housing : LCP (Natural color) 94V-0
- Contact : Phosphor Bronze Tin-lead Plating (20~60Poles)  
Gold Plating (70~100 Poles)
- Frame : Phosphor Bronze Tin-lead Plating

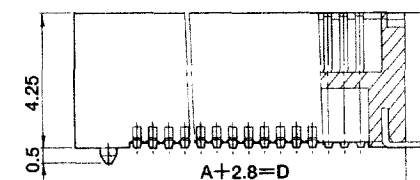
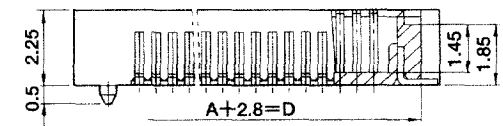
S Type



M Type



H Type



■バリエーション Variation

00	無 Without	無 Without
01	無 Without	有 With
10	有 With	無 Without
11	有 With	有 With

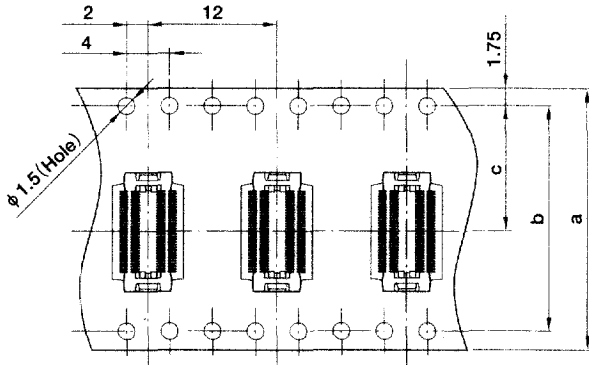
PB-5 Series

BOARD TO BOARD CONNECTOR

リールおよびテープの寸法 (JIS規格による)

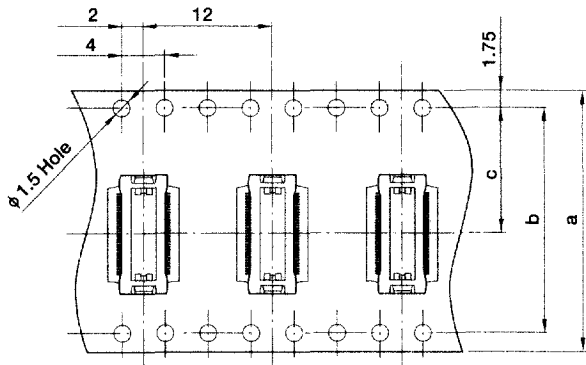
Dimensions of Reels and Tapes (JIS Standard)

●ソケット Socket



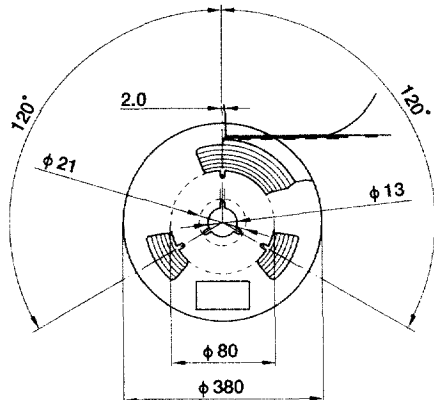
20	20	16.0		7.5
30	30	24.0		28.4
40	40		32.0	
50	50	44.0		40.4
60	60		44.0	
70	70	44.0		40.4
80	80		44.0	
100	91	44.0		40.4

●プラグ Plug

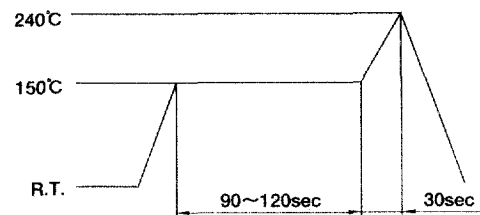


20	20	16.0		7.5
30	30	24.0		28.4
40	40		32.0	
50	50	44.0		40.4
60	60		44.0	
70	70	44.0		40.4
80	80		44.0	
100	91	44.0		40.4

■リール寸法  
Reel Dimensions  
1000pcs/reel



■リフロー半田条件  
Reflow Soldering Conditions



180°C min. : 45sec max.、200°C min. : 30sec max.  
240°C : 5sec max.