



**Features**

- Top-quality performing 75 Ω BNC
- Quick, reliable connection
- Intermateable with 50 Ω series

**Applications**

- TV broadcasting
- CCTV
- Satellite receivers
- Medical imaging equipment, etc.
- CATV transmitters
- Telecommunications
- Computer networking

**■ BNC Part Numbering (plug & adapter)**



**Connector Series**  
BNCC-BNC 75 Ω series

**Body Type**  
 PC : Plug (crimp type)      AJJ : Adapter (jack-jack)  
 APJ : Adapter (plug-jack)      APP : Adapter (plug-plug)

**Cable code**

Code	Cable in use
1,5C	1,5C 2V
2,5C	2,5C 2V
3C	3C 2V
5C	5C 2V
6CHF	6CHF B
7C	7C 2V
7CHF	7CHF
6	RG6/U
59U	RG59/U, Belden 1505A
179U	RG179/U
1855A	Belden 1855A
VK2	Percon VK2
VK5/0,6	Percon VK5/0,6
VK6/0,8	Percon VK6/0,8
VK7/1,0	Percon VK7/1,0
VK95	Percon VK95

**Frequency**  
 1 : 1GHz      3 : 3GHz

**Boot Color Code**

BK - Black	BU - Blue	BR - Brown
GY - Gray	GN - Green	OR - Orange
PR - Purple	RD - Red	WH - White
YE - Yellow		

**Boot Code**  
 01 : RG - 179, 1,5C 2V  
 02 : 2,5C 2V, 3C 2V  
 03 : 1505A, RG - 59/U

Specifications subject to change without notice. Consult Sam Woo Electronics for the latest specifications.

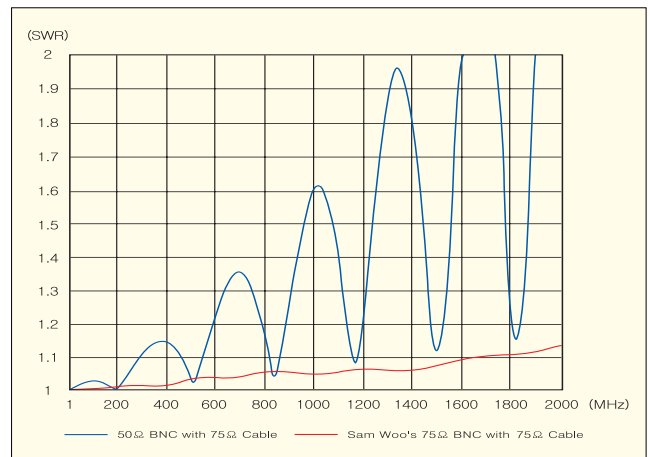
■ Major Performance

Impedance	75 Ω	Insulation resistance	5,000 Ω	
Frequency range	0~3 GHz	Contact resistance	Center Contact	3,5m Ω max
Voltage rating	500V R,M,S		Outer Contact	2,5m Ω max
Dielectric withstanding voltage	1,500V@sea level	V,S,W,R	<1,2	

■ BNC 75 Ω Advantage

Why use BNC 75 Ω Connectors?

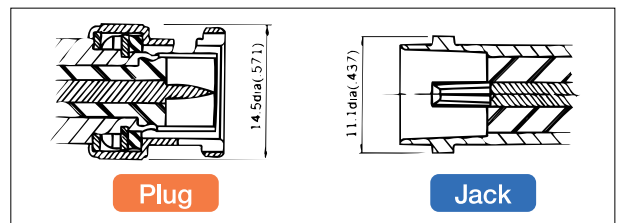
The 50 Ω BNC connector that terminates to the 75 Ω video coax is not sufficient in producing maximum performance for today's high analog and digital transmission, causing a mismatch that results in signal degradation and reduction in picture quality. The data on the right shows that the 75 Ω connectors outperform the 50 Ω in terms of VSWR. Thirty-centimeter long cables with both BNC ends are used to generate the data.



■ Material Used / Finish

General		Material	Finish
Body		Zinc alloy or Brass	Ni plating
Insulator		PTFE	White
Contacts	Male	Brass	Gold plating
	Female	Beryllium copper	Gold plating

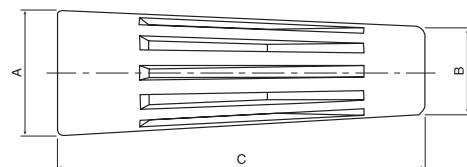
■ Interface Dimension



■ 1GHz and 3GHz Compared



■ Boot Dimension / Part Numbering(for boot only)

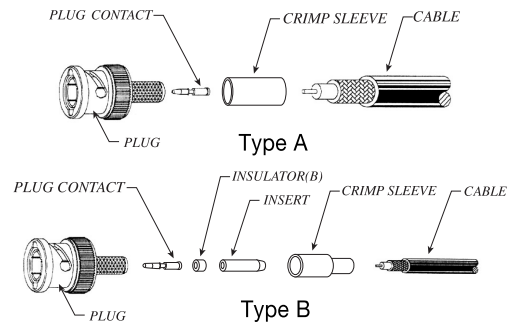
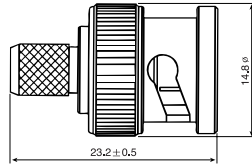


Model	Cable	∅ A	∅ B	C
BNC-color 01	RG-179/U, 1,5C 2V	12,5	5,5	28
BNC-color 02	2,5C 2V, 3C 2V	12,5	6	32
BNC-color 03	1505A, RG-59/U	12,5	8,5	36

- ↓  
**Color Code**  
 BK - Black      BU - Blue      BR - Brown  
 GY - Grey      GN - Green      OR - Orange  
 PR - Purple      RD - Red      WH - White  
 YE - Yellow

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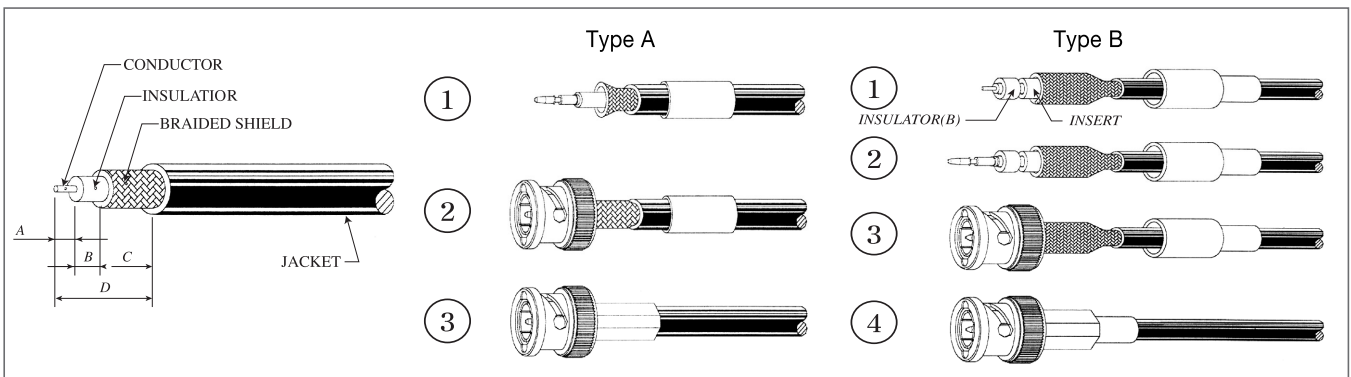
■ **BNC Plugs**



No.	Product Number	Cable Type	Frequency	Cable Stripping(mm)				Assembly Type
				A	B	C	D	
1	BNCC-PC-1,5C-1	1,5C 2V	1	3,5	5,5	8	17	B
2	BNCC-PC-2,5C-1	2,5C 2V	1	3,5	5,5	7	16	A
3	BNCC-PC-3C-1	3C 2V	1	3,5	5,5	7	16	A
4	BNCC-PC-5C-1	5C 2V	1	3	4	8	15	A
5	BNCC-PC-6CHF-1	6CHFB	1	3,5	3,5	9	16	A
6	BNCC-PC-7C-1	7C 2V	1					
7	BNCC-PC-7CHF-1	7CHF	1	3,5	3,5	9	16	A
8	BNCC-PC-6-1	RG6/U	1					
9	BNCC-PC-59U-1	RG59/U, Belden 1505A	1	3,5	5,5	7	16	A
10	BNCC-PC-179U-1	RG179/U	1	3,5	5,5	8	17	B
11	BNCC-PC-1,5C-3	1,5C 2V	3	3	4	8	15	B
12	BNCC-PC-2,5C-3	2,5C 2V	3	3	4	7	14	A
13	BNCC-PC-3C-3	3C 2V	3	3	4	7	14	A
14	BNCC-PC-5C-3	5C 2V	3					
15	BNCC-PC-6CHF-3	6CHFB	3	3	3	9	15	A
16	BNCC-PC-7CHF-3	7CHF	3	3	3	9	15	A
17	BNCC-PC-59U-3	RG59/U, Belden 1505A	3	3	3	9	15	B
18	BNCC-PC-179U-3	RG179/U	3	3	4	8	15	B
19	BNCC-PC-1855A-3	Belden 1855A	3	3	3	9	15	A
20	BNCC-PC-VK2-4	Percon VK2	3	3	4	7	14	B
21	BNCC-PC-VK5/0,6-3	Percon VK5/0,6	3	3	4	7	14	A
22	BNCC-PC-VK6/0,8-3	Percon VK6/0,8	3	3	4	7	14	A
23	BNCC-PC-VK7/1,0-3	Percon VK7/1,0	3	3	4	7	14	A
24	BNCC-PC-VK9-3	Percon VK9	3	3	4	7	14	A

■ **Cable Assembly Instruction**

- Use above cable stripping dimensions



■ Crimp Tools



Sam Woo Tool (SW-HT)



Tool Die



Canare Tool (TC-1)

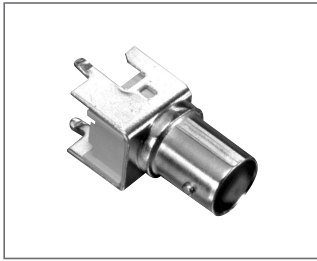
Tool	Color of Handles	Tool Die	5.87		1.36		6.48		1.59		5.41	
			A	B	C	D	E					
SW-HT	Red	HTD-02										
TC-1	Blue	TCD-5CFB					8,05		1,2			
		TCD-7CA					10,23		1,93			

No.	Product Number	Cable Type	Die Spec(mm)					Tool	Tool Die	Tool Maker
			Sleeve			Contact				
			A	C	E	B	D			
1	BNCC-PC-1,5C-1	1,5C 2V			●	●		SW-HT	HTD-02	Sam Woo
2	BNCC-PC-2,5C-1	2,5C 2V	●			●		SW-HT	HTD-02	Sam Woo
3	BNCC-PC-3C-1	3C 2V	●			●		SW-HT	HTD-02	Sam Woo
4	BNCC-PC-5C-1	5C 2V		●		●				
5	BNCC-PC-6CHF-1	6CHF B		●		●		TC-1	TCD-7CA	Canare
6	BNCC-PC-7C-1	7C 2V								
7	BNCC-PC-7CHF-1	7CHF		●			●	TC-1	TCD-7CA	Canare
8	BNCC-PC-6-1	RG6/U								
9	BNCC-PC-59U-1	RG59/U, Belden 1505A		●			●	SW-HT	HTD-02	Sam Woo
10	BNCC-PC-179U-1	RG179/U			●	●		SW-HT	HTD-02	Sam Woo
11	BNCC-PC-1,5C-3	1,5C 2V			●	●		SW-HT	HTD-02	Sam Woo
12	BNCC-PC-2,5C-3	2,5C 2V	●			●		SW-HT	HTD-02	Sam Woo
13	BNCC-PC-3C-3	3C 2V	●			●		SW-HT	HTD-02	Sam Woo
14	BNCC-PC-5C-3	5C 2V								
15	BNCC-PC-6CHF-3	6CHF B		●			●	TC-1	TCD-7CA	Canare
16	BNCC-PC-7CHF-3	7CHF		●			●	TC-1	TCD-7CA	Canare
17	BNCC-PC-59U-3	RG59/U, Belden 1505A		●			●	SW-HT	HTD-02	Sam Woo
18	BNCC-PC-179U-3	RG179/U			●	●		SW-HT	HTD-02	Sam Woo
19	BNCC-PC-1855A-3	Belden 1855A		●		●		SW-HT	HTD-02	Sam Woo
20	BNCC-PC-VK2-4	Percon VK2			●	●		SW-HT	HTD-02	Sam Woo
21	BNCC-PC-VK5/0,6-3	Percon VK5/0,6			●	●		SW-HT	HTD-02	Sam Woo
22	BNCC-PC-VK6/0,8-3	Percon VK6/0,8			●	●		SW-HT	HTD-02	Sam Woo
23	BNCC-PC-VK7/1,0-3	Percon VK7/1,0		●		●		TC-1	TCD-5CFB	Canare
24	BNCC-PC-VK9-3	Percon VK9		●		●		TC-1	TCD-5CFB	Canare

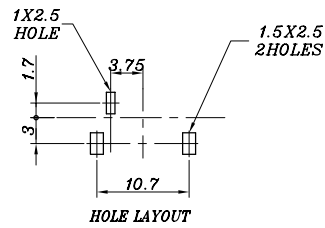
Specifications subject to change without notice. Consult Sam Woo Electronics for the latest specifications.

■ **BNC Receptacles**

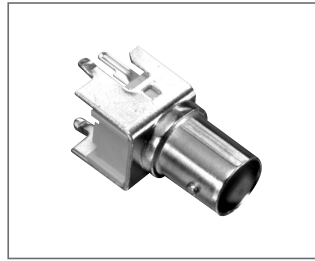
SW-2497B-PCB



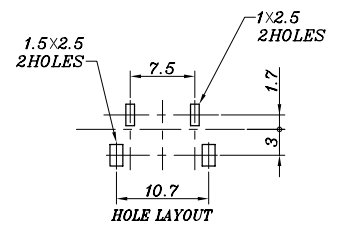
Vertical w/o Switch



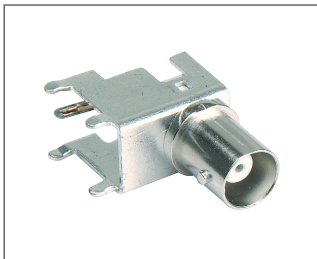
SW-2520B-PCB



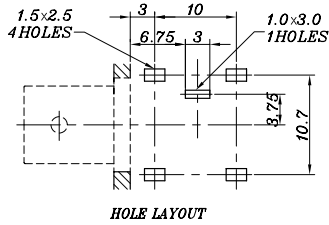
Vertical with Switch



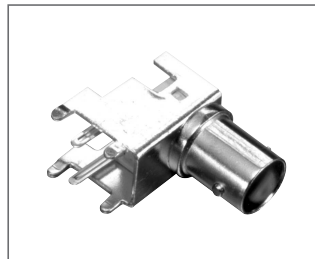
SW-2639B-LPCB



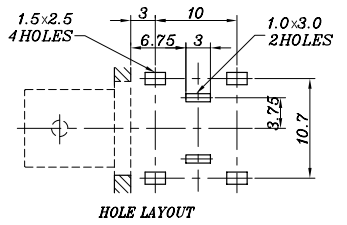
Horizontal w/o Switch



SW-2521B-LPCB



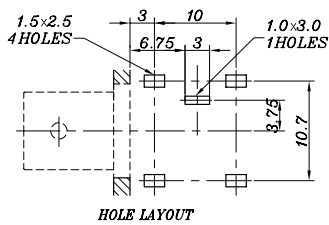
Horizontal with Switch



SW-2635B-LPCB



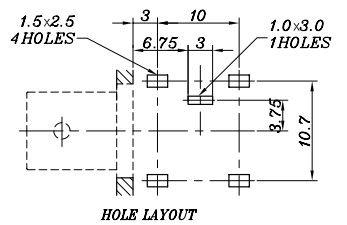
Horizontal w/o Switch (Short)



SW-2645B-LPCB



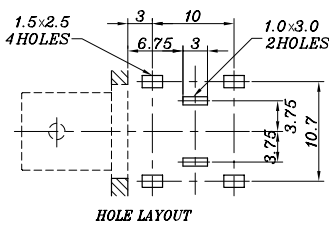
Horizontal w/o Switch (Short, Brass)



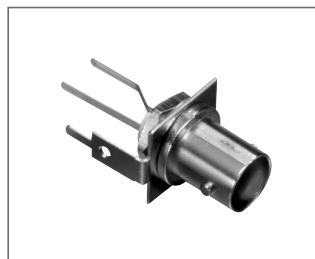
SW-2584B-LPCB



Horizontal with Switch (Short)

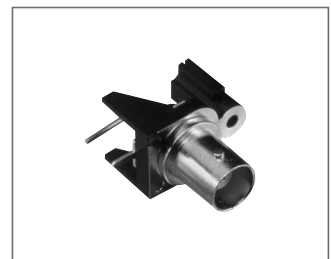


BNC-RB-2P



Bulkhead with Switch

BNC-PCL



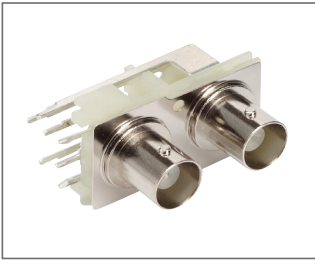
Horizontal w/o Switch

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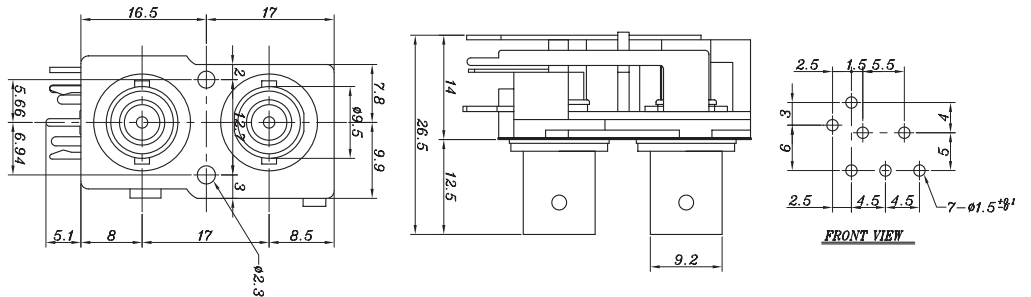
## ■ BNC Receptacles

With Switches

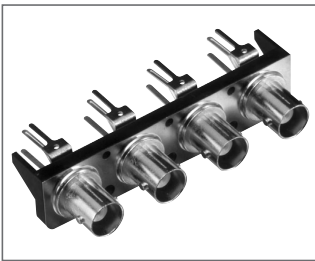
### BNC2-P/B



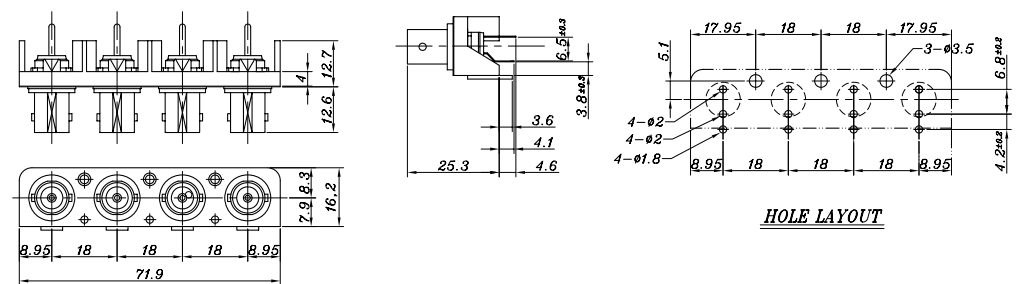
Vertical with 2 Switches



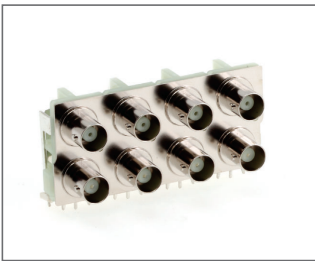
### BNC4-P/B



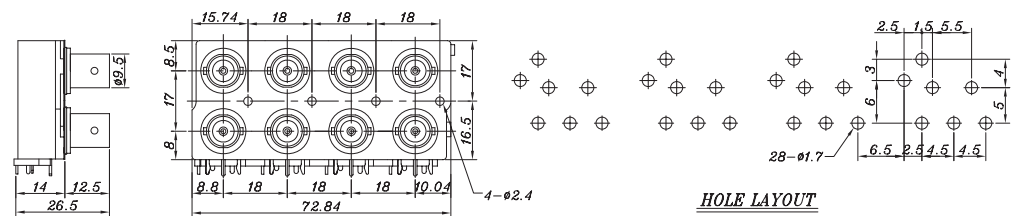
Vertical with 4 Switches



### BNC8-P/B



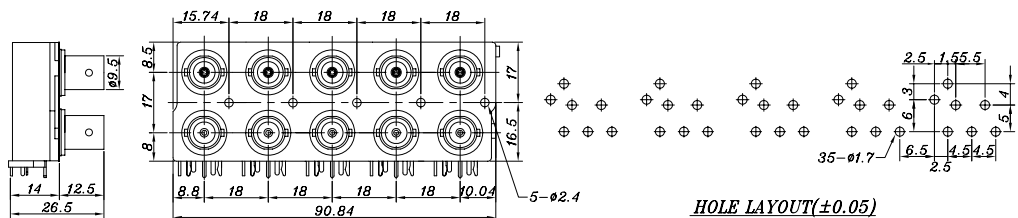
Vertical with 8 Switches



### BNC10-P/B



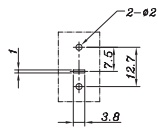
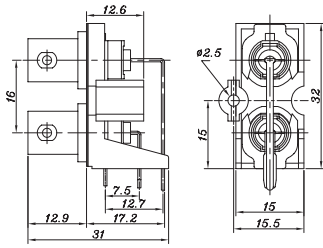
Vertical with 10 Switches



■ **BNC Receptacles**

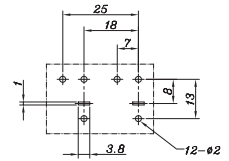
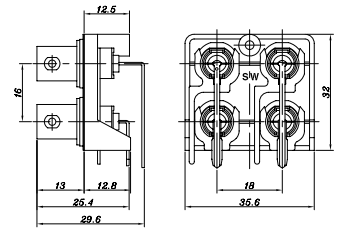
Without Switches

**BNC2-P/B (N/S)**



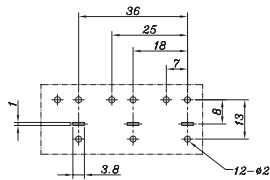
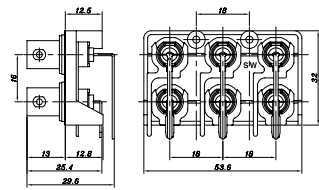
*Front View*

**BNC4-P/B (N/S)**



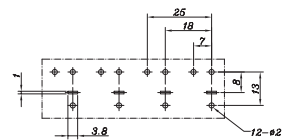
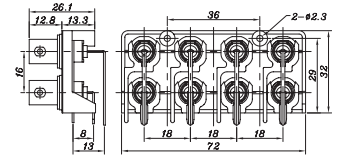
*Front View*

**BNC6-P/B (N/S)**



*Front View*

**BNC8-P/B (N/S)**



*Front View*

Specifications subject to change without notice. Consult Sam Woo Electronics for the latest specifications.



Up to 3GHz

Major Performance

Product Number	Description	Stud position	Panel Mount	V,S,W,R
BNCC-JPR-LPCB	Right angle	Horizontal	Front : M2,6 screw	Up to 1GHz : 1,1 or less Up to 3GHz : 1,2 or less
BNCC-2JPR-LPCB	Right angle,Dual Jack	Horizontal	Front : M2,6 screw	Up to 1GHz : 1,1 or less Up to 2,5GHz : 1,2 or less
BNCC-JBR-LPCB	Right angle,Low-cost	Vertical	Front : Hex nut & lock washer	Up to 1GHz : 1,1 or less Up to 2,5GHz : 1,2 or less

75 Ω BNC PCB Mount Receptacle Screw type

Product Number	Picture	Drawing	Panel hole layout	PCB hole layout
BNCC-JPR-LPCB				
			Screw M2,6 t:1,6mm max	Screw M2,6 t:2,0mm max
BNCC-2JPR-LPCB				
			Screw M2,6 t:1,6mm max	Screw M2,6 t:1,6mm max

75 Ω BNC PCB Mount Receptacle Hexagonal Nut type

Product Number	Picture	Drawing	Panel hole layout	PCB hole layout
BNCC-JBR-LPCB				
				t:2,0mm max

\* Note : Please avoid any cleaning soldering. This occurs to insulation problem.