

GB042 series

0.4mm pitch PCB to PCB Connector



Features

- GB042 series Connector is 0.4 mm pitch, low profile PCB to PCB SMT type connector.
- Improved contact reliability with plug and receptacle contacting at 2 point simultaneously.
- Stable unmating mechanism preventing receptacle contact from being deformed.

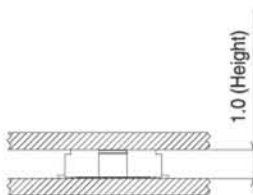
Applications

- Mobile phone
- Compact portable devices, etc

Materials & Finishes

Parts		Materials / Finishes	
Insulator		Heat Resistant Plastic	UL94V-0
Contact	Plug	Copper Alloy	Au Plating
	Recep.	Copper Alloy	Au Plating

Mating Diagram



Specifications

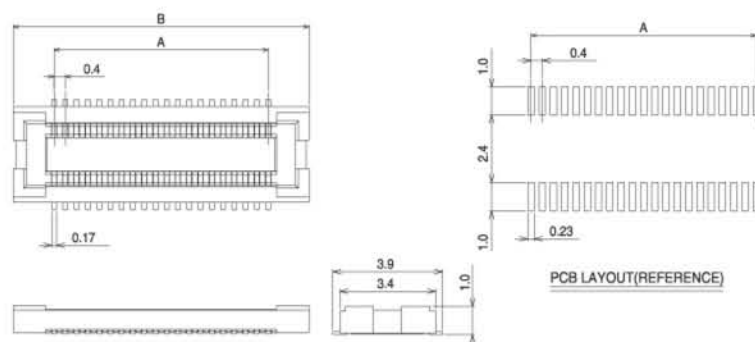
No. of Contacts	20~80
Stacking Height	1.0mm
Contact Spacing	0.4mm
Current Rating	0.5Amps/Pin
Voltage Rating	AC, DC 50V
Dielectric Withstanding Voltage	AC 250V r.m.s(for one minute)
Insulation Resistance	1000MΩ
Contact Resistance	70mΩ
Operating Temp.	-25°C ~ +85°C

Ordering Information

GB042	—	40	P	—	H10
Series		No. of Contacts	Contact Type P: Plug S: Receptacle		Mating Height

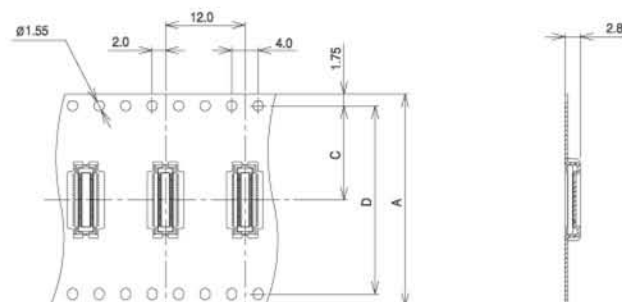
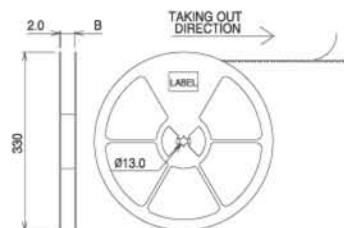
GB042 series | Receptacle & Embossed Tape Assembly

Receptacle



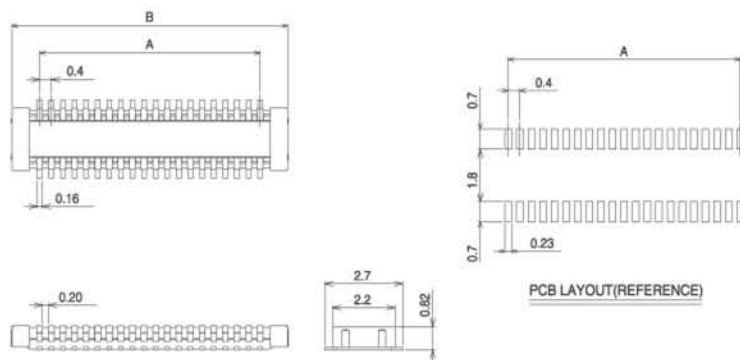
Embossed Tape Assembly

Bobbin



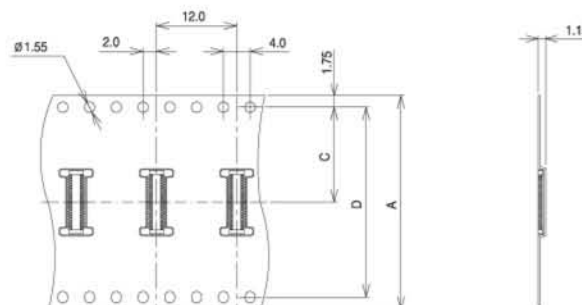
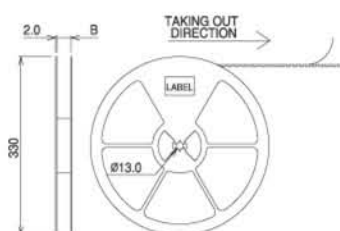
No. of Pin	Part Number	Receptable		Embossed Tape Assembly			
		A	B	A	B	C	D
20	GB042 - 20P - * - H10 - #3000	3.6	6.5	16.0	18.0	7.5	-
24	GB042 - 24P - * - H10 - #3000	4.4	7.3				
28	GB042 - 28P - * - H10 - #3000	5.2	8.1				
30	GB042 - 30P - * - H10 - #3000	5.6	8.5	24.0	26.0	11.5	-
34	GB042 - 34P - * - H10 - #3000	6.4	9.3				
40	GB042 - 40P - * - H10 - #3000	7.6	10.5				
44	GB042 - 44P - * - H10 - #3000	8.4	11.3				
50	GB042 - 50P - * - H10 - #3000	9.6	12.5				
54	GB042 - 54P - * - H10 - #3000	10.4	13.3				
60	GB042 - 60P - * - H10 - #3000	11.6	14.5				
64	GB042 - 64P - * - H10 - #3000	12.4	15.3				
70	GB042 - 70P - * - H10 - #3000	13.6	16.5	32.0	34.0	14.2	28.4
80	GB042 - 80P - * - H10 - #3000	15.6	18.5				

Plug



Embossed Tape Assembly

Bobbin



No. of Pin	Part Number	Plug		Embossed Tape Assembly			
		A	B	A	B	C	D
20	GB042 - 20P - * - H10 - #3000	3.6	5.5	16.0	18.0	7.5	-
24	GB042 - 24P - * - H10 - #3000	4.4	6.3				
28	GB042 - 28P - * - H10 - #3000	5.2	7.1				
30	GB042 - 30P - * - H10 - #3000	5.6	7.5	24.0	26.0	11.5	-
34	GB042 - 34P - * - H10 - #3000	6.4	8.3				
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44	GB042 - 44P - * - H10 - #3000	8.4	10.3				
50	GB042 - 50P - * - H10 - #3000	9.6	11.5				
54	GB042 - 54P - * - H10 - #3000	10.4	12.3				
60	GB042 - 60P - * - H10 - #3000	11.6	13.5				
64	GB042 - 64P - * - H10 - #3000	12.4	14.3				
70	GB042 - 70P - * - H10 - #3000	13.6	15.5	32.0	34.0	14.2	28.4
80	GB042 - 80P - * - H10 - #3000	15.6	17.5				