GB042 series

0.4mm pitch PCB to PCB Connector

GB042 series | Receptacle & Embossed Tape Assembly



Mating Diagram

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

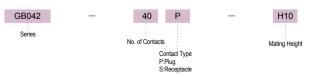


Parts		Materials / Finishes			
Insulator		Heat Resistant Plastic	UL94V-0		
Contact	Plug	Copper Alloy	Au Plating		
Contact	Recep.	Copper Alloy	Au Plating		

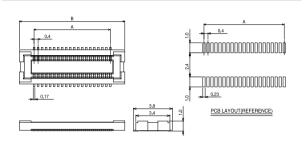
Specifications

No. of Contacts	10~80
Stacking Height	1.0mm
Contact Spacing	0.4mm
Current Rating	AC, DC 0.3A/pin
Voltage Rating	AC, DC 50V
Dielectric Withstanding Voltage	AC 250V r.m.s(for one minute)
Insulation Resistance	1000ΜΩ
Contact Resistance	70mQ
Operating Temp.	-25°C ~ +85°C

Ordering Information

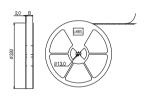


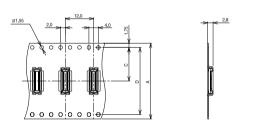




Embossed Tape Assembly

Bobbin





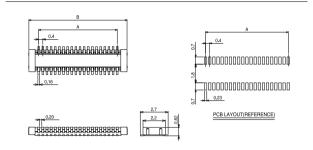
No. of Pin	Part Number	Rece	ptable	Embossed Tape Assembly				
No. or r in								
10	GB042 - 10S - * - H10 - E3000	1.6	4.5		18.0	7.5	-	
20	GB042 - 20S - * - H10 - E3000	3.6	6.5	16.0				
24	GB042 - 24S - * - H10 - E3000	4.4	7.3	10.0				
28	GB042 - 28S - * - H10 - E3000	5.2	8.1					
30	GB042 - 30S - * - H10 - E3000	5.6	8.5		26.0	11.5	-	
34	GB042 - 34S - * - H10 - E3000	6.4	9.3					
40	GB042 - 40S - * - H10 - E3000	7.6	10.5					
44	GB042 - 44S - * - H10 - E3000	8.4	11.3	24.0				
50	GB042 - 50S - * - H10 - E3000	9.6	12.5					
54	GB042 - 54S - * - H10 - E3000	10.4	13.3					
60	GB042 - 60S - * - H10 - E3000	11.6	14.5					
64	GB042 - 64S - * - H10 - E3000	12.4	15.3	32.0	34.0	14.2	28.4	
70	GB042 - 70S - * - H10 - E3000	13.6	16.5	02.0	54.0	1-4.2	20.4	

GB042 series | 12 | 13 | GB042 series

GB044 series

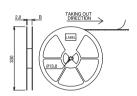
0.4mm pitch PCB to PCB Connector

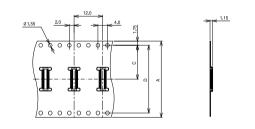




Embossed Tape Assembly

Bobbin





No. of Pin	Part Number	PI	lug	Embossed Tape Assembly				
140. 011 111								
10	GB042 - 10P - * - H10 - E3000	1.6	3.5			7.5	-	
20	GB042 - 20P - * - H10 - E3000	3.6	5.5	16.0	18.0			
24	GB042 - 24P - * - H10 - E3000	4.4	6.3					
28	GB042 - 28P - * - H10 - E3000	5.2	7.1					
30	GB042 - 30P - * - H10 - E3000	5.6	7.5		26.0	11.5	-	
34	GB042 - 34P - * - H10 - E3000	6.4	8.3					
40	GB042 - 40P - * - H10 - E3000	7.6	9.5					
44	GB042 - 44P - * - H10 - E3000	8.4	10.3	24.0				
50	GB042 - 50P - * - H10 - E3000	9.6	11.5					
54	GB042 - 54P - * - H10 - E3000	10.4	12.3					
60	GB042 - 60P - * - H10 - E3000	11.6	13.5					
64	GB042 - 64P - * - H10 - E3000	12.4	14.3					
70	GB042 - 70P - * - H10 - E3000	13.6	15.5	32.0	34.0	14.2	28.4	

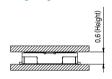
Features

- GB044 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.
- The locking structures provided for the hold down improve the unmating force.

Applications

- · Mobile phone
- · Compact portable devices, etc

Mating Diagram



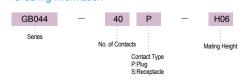
Materials & Finishes

	Parts	Materials / Finishes				
	Insulator	Heat Resistant Plastic	UL94V-0			
Receptacle	Contact	Copper Alloy	Au Plating			
	Hold down Copper Alloy		Ni Plating			
	Insulator	Heat Resistant Plastic	UL94V-0			
Plug	Contact	Copper Alloy	Au Plating			
	Hold down	Copper Alloy Ni Plating				

Specifications

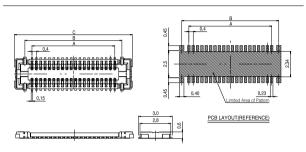
<u> </u>	
No. of Contacts	40
Stacking Height	0.6mm
Contact Spacing	0.4mm
Current Rating	AC, DC 0.3A/pin
Voltage Rating	AC/DC 50V/Pin
Dielectric Withstanding Voltage	AC 250V r.m.s(for 1 minute)
Insulation Resistance	1000ΜΩ
Contact Resistance	90mΩ
Operating Temp.	-25°C ~ +85°C

Ordering Information



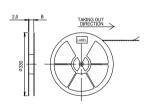
GB042 series 14 GB044 series 15 GB044 series

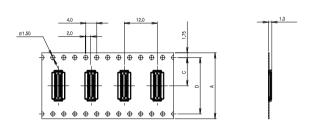




Embossed Tape Assembly

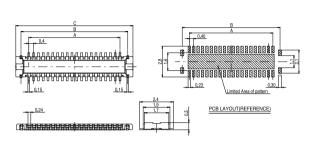
Bobbin





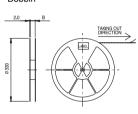
No.of Pin	Part Number	Receptacle			Embossed Tape Assembly			
								D
40	GB044 - 40S - * - H06 - E3000	7.6	8.9	10.8	24	26	10.3	20.5

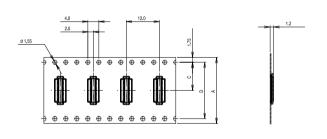




Embossed Tape Assembly

Bobbin





No.of Pir	Part Number	Plug			Embossed Tape Assembly			
140.011 111			В		Α	В	С	D
40	GB044 - 40P - * - H06 - E3000	7.6	8.9	9.8	24	26	10.3	20.5

16