

Leading Solution

LG Cable, LG Industrial Systems and LG-Nikko Copper, Gaon Cable, E1 and Kukdong City Gas are starting with a new name, Leading Solution, LS.

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about LS

Leaping as a leading global company in industrial electric and electronic field and material business, LS Group, separated from LG Group in March 2005 and sstarted as a young company. LS Group is a healthy enerprise providing 'Leading Solution' to our customers, contributing to the society and realizing drems together with employees. LS Mtron is leading the component and machinery industry. The major affiliate companies of LS including LS Cable, LS Industrial Systems, LS-Nikko Copper, Gaon Gable, E1 and YESCO are No. 1 companies in he industry they each belong o. Now, they pave their way to become the global No. a future-leading compaby providing 'Leading Solution' from being he No. 1 company in Korea, After its launch, the LS Group concentrates many of its resources to the activities of management innovation to produce synergy between each affiliate and to expand overssas business. The company increasingly invests to establish a global network connecting China, the Middle Easst, Russia and East Europe. In R&D sector, cooperation and sharing among affiliate copanies, together with various activities to develop new growth engine, is systematically going on. LS, leaping as a major group since it started business 3 years ago, leaves no stone unturned to establish a unique corporate culture. With the belief and respect toward family, LS Group will always be with you as a true company contributing to the society, where talentec, professional and pasionate employees would grow together with the company. The dream of your customers will be realized in LS Group.

Your No.1 Creative Partner

Your No. 1 creative partner in providing creative solutions. With this vision, LS Mtron fortifies its image of taking customer satisfaction first. "Trust, Passion and Challenge", are three words we take to heart. We want to grow together with you and create more success for both our companies. 'Trust' is very important in recognizing each person as a unique individual within the organizaion. It is a core value accumulated through belief and cooperation among juniors, seniors and colleagues. 'Passion' is a characteristic that helps us a chieve a certain goal with a sense of ownership and tenacity for the given duties through devotion, perseverance and responsibility.

Passion provides a motive for each individual and teams to devote themselves to their work. With this, we believe that we can develop and grow together. 'Challenge' showcases the progressive attitude of LS Mtron to overcome limitations to enhance individual's competence through high goals, confidence and action on the belief that "I can do it". LS Mtron is an enterprise that lives by trust, passion and challenge. To be the No. 1 company relied upon by our customers: LS Mtron is your No. 1 Partner providing the best solutions required by customers as we both build our future success.

LS MTRON

- **YOUR** Partner you can rely on to grow with today and tomorrow.
- **NO. 1** LS Mtron is customer-trusted No. 1 globat parther recognized all over the world.
- **CREATIVE** Crealive thinking and problem-solving capability that satisfy cuslomer's needs.
- **PARTNER** Partnership with customers to reach goals by relying and cooperating with each other.

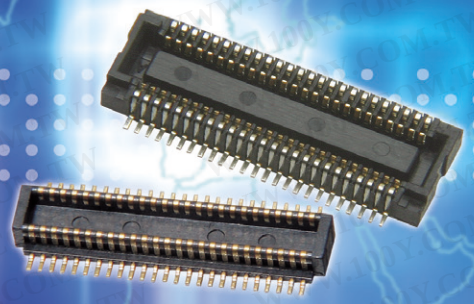
LS Connecor

New Application and Defect-free Connections









Applications

These products are used in many electronic appliances, such as VCRs, TVs, audio sets, telephones, OA equipment, faxes, computers, cookers, medical equipment, measuring instrument, communication PDAs, PSC & mobile phone devices, LCDs, monitors, computer & peripherals, automatic vending machines and broadcasting equipment.

LS Connector

We are opening the new possibilities of electronic components!

Since 1985, as a part of non-cable business fields, we had made a technology-introduction contract with JAE who is one of the biggest connector manufacturers in Japan to produce electronic connectors for home appliances. In 1986, we started self-production and sales with 17 items.

Nowadays, IT (Information Technology) in the infocomindustry has been developing toward the information revolution which is called "Ubiquitous." Electronic appliances feature multi-functions. For that reason, the customer has been focusing on the technology improvement for the digital convergence such as Mobile Phone, Digital Display, Home Network System, DMB(Digital Muti-media Broadcasting) and so on.

To respond to customer's demands, LS Mtron's connectors for electronic appliances as the digital convergence include I/O connectors, SIM connectors, infinitesimal Board to Board connectors, FPC connectors, Memory card connectors, Micro USB connectors, Sliding Hinge, Board-to-Wire connectors and so on. We can also provide various kinds of custom-designed products to satisfy the customer's demands.

In particular, LS Mtron connectors for electronic appliances in Ubiquitous world excel in performance and function, and are evaluated as products of the utmost credibility. In addition, due to the rational and automated production processes with strict quality management, our products are highly esteemed in terms of quality, function, delivery and price.

Based on its accumulated technologies, LS Mtron always focuses on providing the product with a greater variety of custom-designed products for the customer with greater convenience. We will make every effort to offer the best technology and services available.

Contents

PCB-to-PCB Connector

0.35mm	GB030 series	6 ~ 8
0.4mm	GB040 series	9 ~11
0.4mm	GB042 series	12~14
0.4mm	GB044 series	15~17

FFC/FPC Connector

0.3mm	GF032 series	18~20
0.3mm	GF032A series	21~23
0.5mm	GF056 series	24~26
0.5mm	GF059 series	27~29
0.5mm	GF05A series	30~32
0.5mm	GF05C series	33~34
0.5mm	GF05D series	35~36
1.0mm	GF10A series	37~39

PCB-to-Wire Connector

0.5mm	GT05L series	40~41
0.5mm	GT05P series	42~43
0.5mm	GT05Q series	44~45
1.0mm	GT101 series	46~48
1.0mm	GT103 series	49~51
1.0mm	GT105 series	52~53
1.25mm	GT121 series	54~56
1.25mm	GT124 series	57~58

Lamp Socket Connector

	GP201 series	60~61
	GP202 series	62~63
	GP204 series	64~65

RF Switch Connector

	GRS210 series	66~67
	GRS211 series	68~69
	GRS250 series	70~71
	GRS251 series	72~73
	GRS252 series	74~75
	GRS253 series	76~77
	GRS300 series	78~79
	GRS301 series	80~81
	GRS302 series	82~83
	GRS304 series	84~85

Multimedia Interface(MMI)

0.4mm	GU040 series	86~87
0.4mm	GU041 series	88~89
0.4mm	GU042 series	90~91
0.4mm	GU043 series	92~93
0.4mm	GU044 series	94~95
0.4mm	GU045 series	96~97
0.4mm	GU046 series	98~99
0.4mm	GU048 series	100~101

HDMI Connector

0.4mm	GU047 series	102~103

Micro USB Connector

0.65mm	GU070 series	104~105
0.65mm	GU071 series	106~107
0.65mm	GU073 series	108~109
0.65mm	GU074 series	110~111

Memory Card Connector

1.1mm	GCD01 series	112~113

SIM Card Connector

2.54mm	GCA263 series	114~115
2.54mm	GCA264 series	116~117
2.54mm	GCA265 series	118~119
2.54mm	GCA266 series	120~121
2.54mm	GCA267 series	122~123
2.54mm	GCA268 series	124~125
2.54mm	GCA26A series	126~127
2.54mm	GCA26B series	128~129
2.54mm	GCA26C series	130~131
2.54mm	GCA26D series	132~133

Battery Connector

2.0mm	GSB200 series	134~135
2.0mm	GSB201 series	136~137

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Manufacturing Process
Products Naming Method

PCB to PCB

It is a general term for the connector that connects PCB with PCB within a set. There are 1~3 piece types available, with pitches varying from 0.35 to 0.4mm.

PCB to Wire

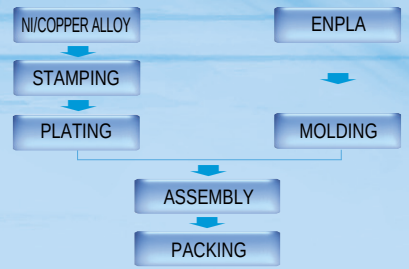
It is a general term for the connector that connects the PCB with the cable within a set.
Methods of wiring pin header include crimping, IDC(Insulation Displacement Connection), Soldering, and Wire Wrapping.

FFC/FPC

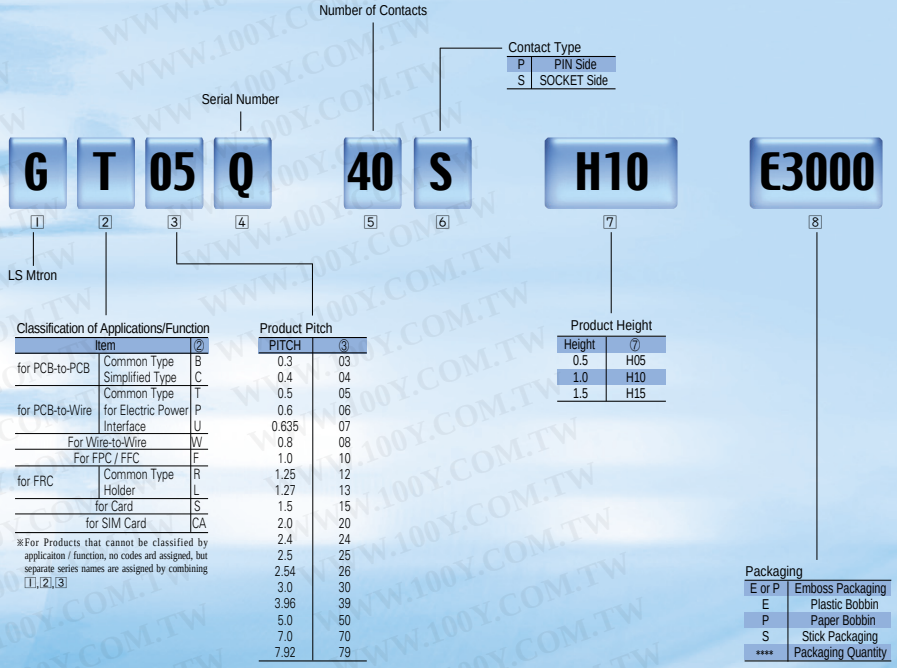
It is a general term for the connector that connects the PCB with FPC/FFC, with pitches varying from 0.3 to 1.0mm.
There are various kinds of products available, including ZIF(Zero Insertion Force), and LIF(Low Insertion Force). ZIF type is further subdivided into Flip type(Easy On Type) and Slider type, plus Semi-Slider type.



Manufacturing Process



Products Naming Method



Classification of Applications/Function

Item		②
for PCB-to-PCB	Common Type	B
	Simplified Type	C
for PCB-to-Wire	Common Type	T
	for Electric Power	P
	Interface	U
For Wire-to-Wire		W
For FPC / FFC		F
for FRC	Common Type	R
	Holder	L
for Card		S
for SIM Card		CA

※For Products that cannot be classified by applicaiton / function, no codes ard assigned, but separate series names are assigned by combining ①, ②, ③

Product Pitch

PITCH	③
0.3	03
0.4	04
0.5	05
0.6	06
0.635	07
0.8	08
1.0	10
1.25	12
1.27	13
1.5	15
2.0	20
2.4	24
2.5	25
2.54	26
3.0	30
3.96	39
5.0	50
7.0	70
7.92	79

Product Height

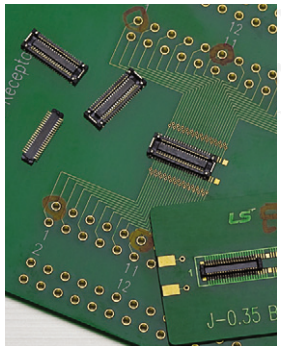
Height	⑦
0.5	H05
1.0	H10
1.5	H15

Packaging

E or P	Emboss Packaging
E	Plastic Bobbin
P	Paper Bobbin
S	Stick Packaging
****	Packaging Quantity

GB030 series

0.35mm Pitch Board to FPCB Connector



Features

- GB030 Series Connector is 0.9mm Height and 0.35mm pitch usually suitable for board to FPCB connection in mobile sets.
- The stable contact reliability by dual contact structure.
- Improve the contact reliability against flux because of dimple structure.
- 22% Size reduction compared with LSM GB042 Series (40pins)
- Improve the Durability during the mating, be strong against the damage by external force, and increase soldering intensity because of receptacle hold down structure.

Applications

- Mobile phone
- Compact portable devices, etc

Materials & Finishes

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

Specifications

No. of Contacts	40
Contact Spacing	0.35mm
Current Rating	AC/DC 0.25A/Pin
Voltage Rating	AC/DC 60V/Pin
Dielectric Withstanding Voltage	AC 150V(for 1 minute)
Operating Temp.	-25℃ ~ +85℃

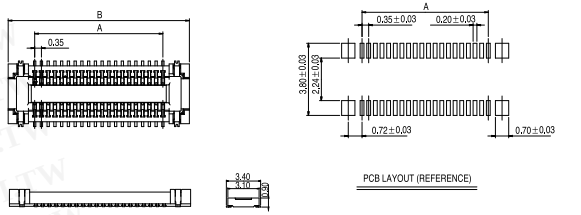
Ordering Information

GB030 — 40 P — H09

- GB030: Series
- 40: No. of Contacts
- P: Contact Type (P: Plug, S: Receptacle)
- H09: Mating Height

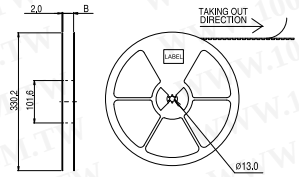
Receptacle

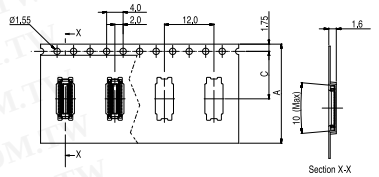




Embossed Tape Assembly

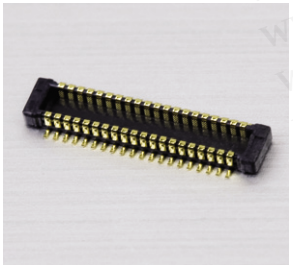
Bobbin

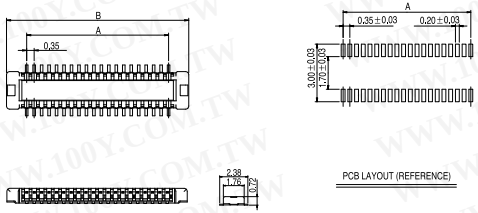




No. of Pin	Part Number	Receptacle		Embossed Tape Assembly			
		A	B	A	B	C	D
40	GB030-40S-H09-E3000	6.65	9.40	24.0	26.0	11.5	-

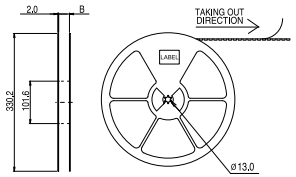
Plug

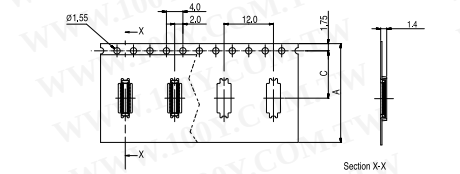




Embossed Tape Assembly

Bobbin

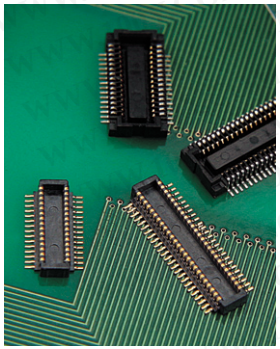




No.of Pin	Part Number	Receptacle		Embossed Tape Assembly			
		A	B	A	B	C	D
40	GB030-40P-H09-E3000	6.65	8.54	24.0	26.0	11.5	-

GB040 series

0.4mm pitch PCB to PCB Connector



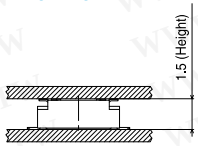
Features

- GB040 series Connector is 0.4 mm pitch, low profile PCB to PCB SMT type connector.
- Bellows contact structure with high contact reliability.
- Solder wicking prevention structure with insert molding technology and nickel barrier.

Applications

- Mobile phone
- Compact portable devices, etc

Mating Diagram



Materials & Finishes

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

Specifications

No. of Contacts	20~80
Stacking Height	1.5mm
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℃ ~ +85℃

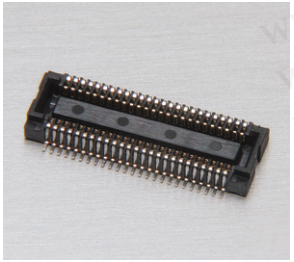
Ordering Information

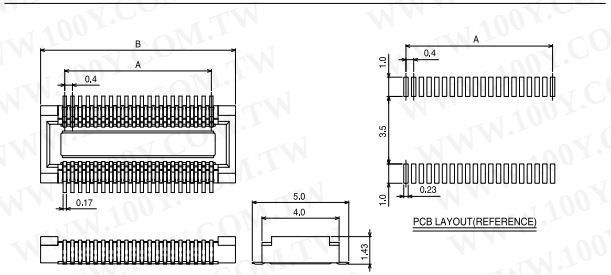
GB040 – 40 P – * – H15

- GB040: Series
- 40: No. of Contacts
- P: Contact Type P:Plug S:Receptacle
- *: NA:Without Boss B: With Boss
- H15: Mating Height

GB040 series | Receptacle & Embossed Tape Assembly

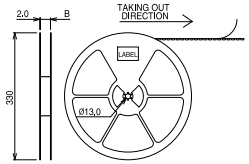
Receptacle

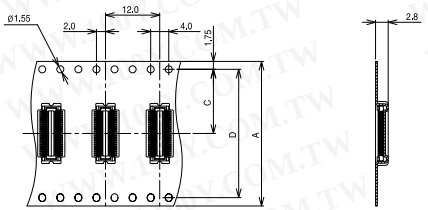




Embossed Tape Assembly

Bobbin

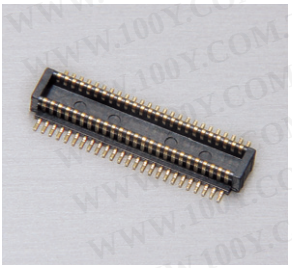


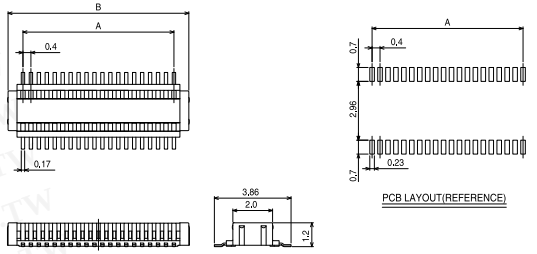


No.of Pin	Part Number	Receptacle		Embossed Tape Assembly			
		A	B	A	B	C	D
20	GB040 - 20S - * - H15 - E2000	3.6	6.1	24.0	26.0	11.5	-
24	GB040 - 24S - * - H15 - E2000	4.4	6.9				
28	GB040 - 28S - * - H15 - E2000	5.2	7.7				
30	GB040 - 30S - * - H15 - E2000	5.6	8.1				
34	GB040 - 34S - * - H15 - E2000	6.4	8.9				
40	GB040 - 40S - * - H15 - E2000	7.6	10.1				
44	GB040 - 44S - * - H15 - E2000	8.4	10.9				
50	GB040 - 50S - * - H15 - E2000	9.6	12.1	32.0	34.0	14.2	28.4
54	GB040 - 54S - * - H15 - E2000	10.4	12.9				
60	GB040 - 60S - * - H15 - E2000	11.6	14.1				
70	GB040 - 70S - * - H15 - E2000	13.6	16.1				

GB040 series | Plug & Embossed Tape Assembly

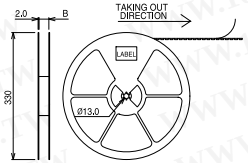
Plug

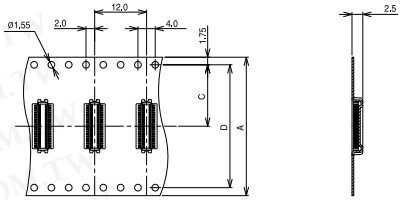




Embossed Tape Assembly

Bobbin





No. of Pin	Part Number	Plug		Embossed Tape Assembly			
		A	B	A	B	C	D
20	GB040 - 20P - * - H15 - E2000	3.6	5.1	24.0	26.0	11.5	-
24	GB040 - 24P - * - H15 - E2000	4.4	5.9				
28	GB040 - 28P - * - H15 - E2000	5.2	6.7				
30	GB040 - 30P - * - H15 - E2000	5.6	7.1				
34	GB040 - 34P - * - H15 - E2000	6.4	7.9				
40	GB040 - 40P - * - H15 - E2000	7.6	9.1				
44	GB040 - 44P - * - H15 - E2000	8.4	9.9				
50	GB040 - 50P - * - H15 - E2000	9.6	11.1	32.0	34.0	14.2	28.4
54	GB040 - 54P - * - H15 - E2000	10.4	11.9				
60	GB040 - 60P - * - H15 - E2000	11.6	13.1				
70	GB040 - 70P - * - H15 - E2000	13.6	15.1				

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GB042 series

0.4mm pitch PCB to PCB Connector



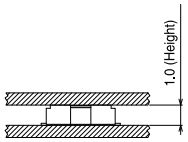
Features

- 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

Mating Diagram



Materials & Finishes

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

Specifications

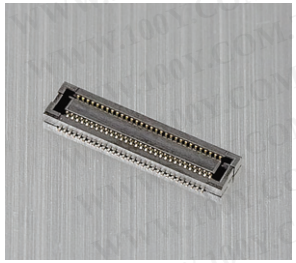
No. of Contacts	10~80
Stacking Height	1.0mm
Contact Spacing	0.4mm
Current Rating	AC, DC 0.3A/pin
Voltage Rating	AC, DC 50V
Dielectric Withstanding Voltage	AC 250V r.m.s(for one minute)
Insulation Resistance	1000MΩ
Contact Resistance	70mΩ
Operating Temp.	-25℃ ~ +85℃

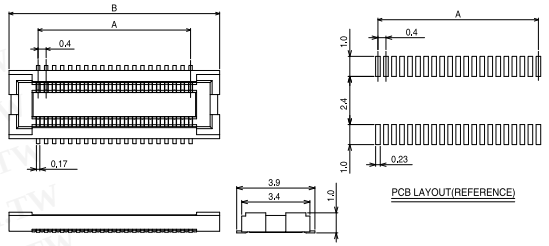
Ordering Information

GB042 — 40 P — H10

- GB042: Series
- 40: No. of Contacts
- P: Contact Type (P:Plug, S:Receptacle)
- H10: Mating Height

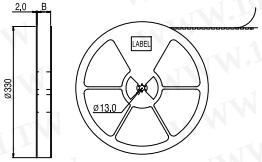
Receptacle

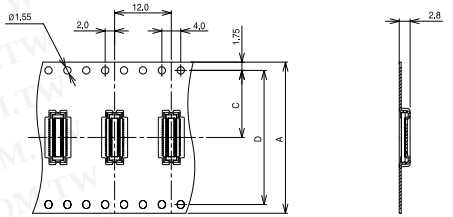




Embossed Tape Assembly

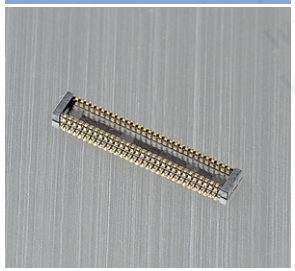
Bobbin

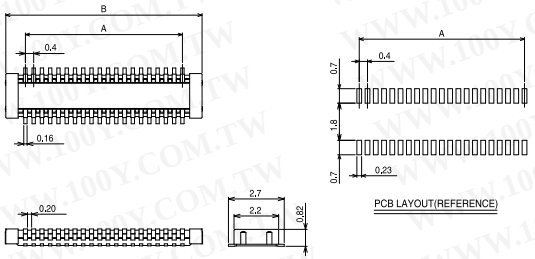




No. of Pin	Part Number	Receptable		Embossed Tape Assembly			
		A	B	A	B	C	D
10	GB042 - 10S - * - H10 - E3000	1.6	4.5	16.0	18.0	7.5	-
20	GB042 - 20S - * - H10 - E3000	3.6	6.5				
24	GB042 - 24S - * - H10 - E3000	4.4	7.3				
28	GB042 - 28S - * - H10 - E3000	5.2	8.1				
30	GB042 - 30S - * - H10 - E3000	5.6	8.5	24.0	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				
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				

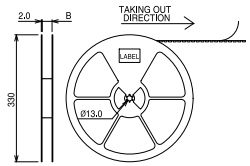
Plug

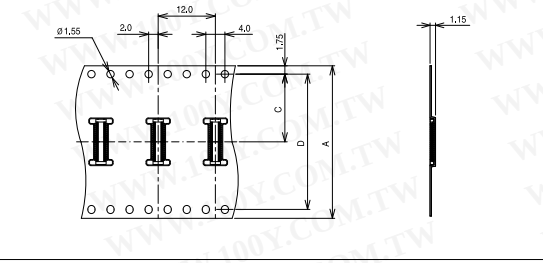




Embossed Tape Assembly

Bobbin

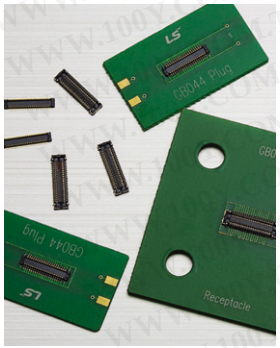




No. of Pin	Part Number	Plug		Embossed Tape Assembly			
		A	B	A	B	C	D
10	GB042 - 10P - * - H10 - E3000	1.6	3.5	16.0	18.0	7.5	-
20	GB042 - 20P - * - H10 - E3000	3.6	5.5				
24	GB042 - 24P - * - H10 - E3000	4.4	6.3				
28	GB042 - 28P - * - H10 - E3000	5.2	7.1				
30	GB042 - 30P - * - H10 - E3000	5.6	7.5	24.0	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				
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

GB044 series

0.4mm pitch PCB to PCB Connector



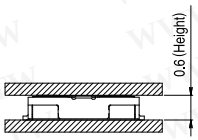
Features

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

Specifications

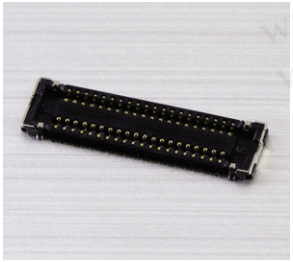
No. of Contacts	40
Stacking Height	0.6mm
Contact Spacing	0.4mm
Current Rating	AC, DC 0.3A/pin
Voltage Rating	AC/DC 50V/Pin
Dielectric Withstanding Voltage	AC 250V r.m.s(for 1 minute)
Insulation Resistance	1000MΩ
Contact Resistance	90mΩ
Operating Temp.	-25℃ ~ +85℃

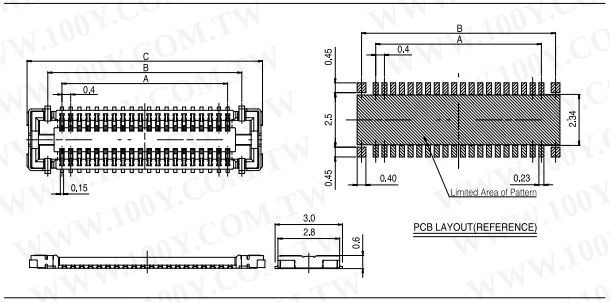
Ordering Information

GB044 — 40 P — H06

- GB044: Series
- 40: No. of Contacts
- P: Contact Type (P:Plug, S:Receptacle)
- H06: Mating Height

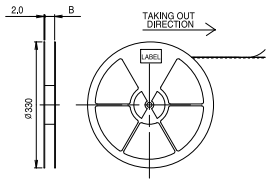
Receptacle

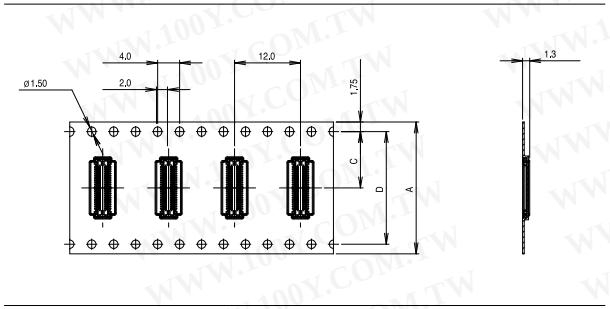




Embossed Tape Assembly

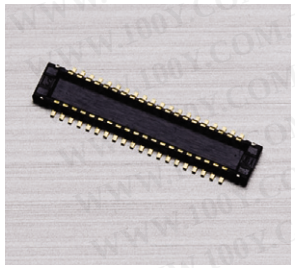
Bobbin

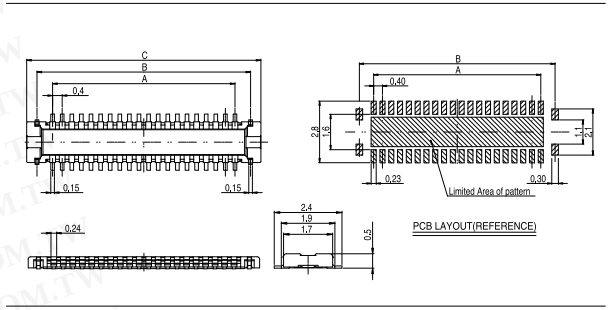




No.of Pin	Part Number	Receptacle			Embossed Tape Assembly			
		A	B	C	A	B	C	D
40	GB044 - 40S - ∗ - H06 - E3000	7.6	8.9	10.8	24	26	10.3	20.5

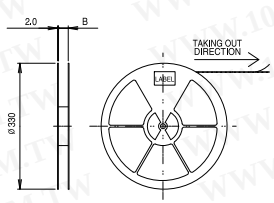
Plug

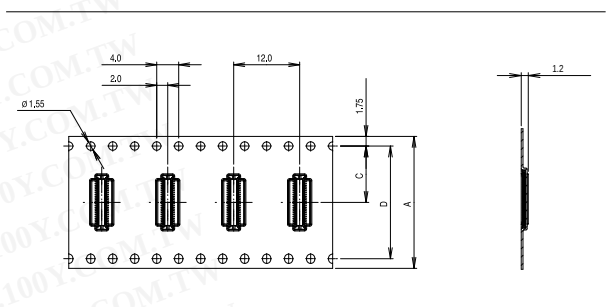




Embossed Tape Assembly

Bobbin

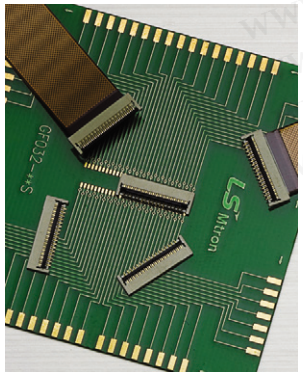




No.of Pin	Part Number	Plug			Embossed Tape Assembly			
		A	B	C	A	B	C	D
40	GB044 - 40P - ∗ - H06 - E3000	7.6	8.9	9.8	24	26	10.3	20.5

GF032 series

0.3mm pitch FPC Connector



Features

- GF032 Series Connector is 0.85mm Height and 4.0mm Width capable of high density installation for portable equipment.
- LIF type (Low Insertion Force)
  GF032 Series Connector is designed as LIF type which you can insert FPC(t=0.15[+0.03, -0.01]mm) easily opening the Slider.
- Double-sided Contact Structure
  GF032 Series Connector is a Top and Bottom Contact Structure which the top and bottom conductor part of FPC makes contact.
- Rotary Backlock Mechanism
  GF032 Series Connector enables the reliable electrical connection and easy FPC insertion.

Applications

- Mobile phone
- Compact portable devices, etc.

Materials & Finishes

Parts		Materials / Finishes	
Insulator	Body	Heat Resistant Plastic	UL94V-0, H/F
	Flip	Heat Resistant Plastic	UL94V-0, H/F
Socket		Copper Alloy	Au Plating

Specifications

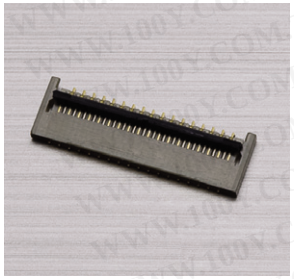
No. of Contacts	9, 17~51
Contact Spacing	0.3mm
Current Rating	0.2Amps/Pin
Voltage Rating	AC, DC 50V
Dielectric Withstanding Voltage	AC 250V r.m.s(for one minute)
Insulation Resistance	50MΩ
Contact Resistance	80mΩ
Operating Temp.	-40℃ ~ +85℃

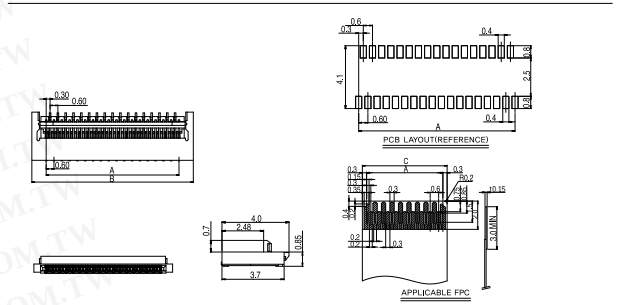
Ordering Information

GF032 – * * S

- GF032: Series
- * *: No. of Contacts

Angle Socket



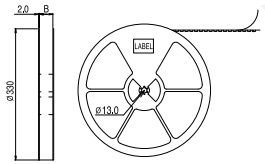


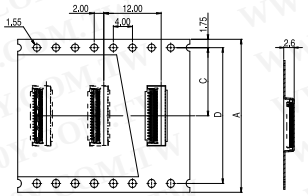
Part Number : GF032 - **S

No. of Pin	Part Number	A	B	C
9	GF032- 9S	2.4	4.6	3.0
17	GF032-17S	4.8	7.0	5.4
19	GF032-19S	5.4	7.6	6.0
21	GF032-21S	6.0	8.2	6.6
23	GF032-23S	6.6	8.8	7.2
25	GF032-25S	7.2	9.4	7.8
27	GF032-27S	7.8	10.0	8.4
29	GF032-29S	8.4	10.6	9.0
31	GF032-31S	9.0	11.2	9.6
33	GF032-33S	9.6	11.8	10.2
35	GF032-35S	10.2	12.4	10.8
37	GF032-37S	10.8	13.0	11.4
39	GF032-39S	11.4	13.6	12.0
41	GF032-41S	12.0	14.2	12.6
43	GF032-43S	12.6	14.8	13.2
45	GF032-45S	13.2	15.4	13.8
47	GF032-47S	13.8	16.0	14.4
49	GF032-49S	14.4	16.6	15.0
51	GF032-51S	15.0	17.2	15.6

Embossed Tape Assembly

Bobbin



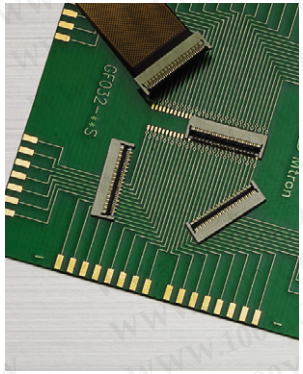


Packing Part Number : GF032 - **S - E2000

No. of Pin	Part Number	A	B	C	D
9	GF032-9S-E2000	16.0	18.0	7.5	
17	GF032-17S-E2000				
19	GF032-19S-E2000				
21	GF032-21S-E2000				
23	GF032-23S-E2000				
25	GF032-25S-E2000				
27	GF032-27S-E2000				
29	GF032-29S-E2000				
31	GF032-31S-E2000	24.0	26.0	11.5	-
33	GF032-33S-E2000				
35	GF032-35S-E2000				
37	GF032-37S-E2000				
39	GF032-39S-E2000				
41	GF032-41S-E2000				
43	GF032-43S-E2000				
45	GF032-45S-E2000				
47	GF032-47S-E2000				
49	GF032-49S-E2000	32.0	34.0	14.2	28.4
51	GF032-51S-E2000				

GF032A series

0.3mm pitch FPC Connector



Features

- GF032A Series Connector is 0.85mm Height and 4.0mm Width capable of high density installation for portable equipment.
- LIF type (Low Insertion Force)
  GF032A Series Connector is designed as LIF type which you can insert FPC(t=0.2 ±0.03mm) easily opening the Slider.
- Double-sided Contact Structure
  GF032A Series Connector is a Top and Bottom Contact Structure which the top and bottom conductor part of FPC makes contact.
- Rotary Backlock Mechanism
  GF032A Series Connector enables the reliable electrical connection and easy FPC insertion.

Applications

- Mobile phone
- Compact portable devices, etc.

Materials & Finishes

Parts		Materials / Finishes	
Insulator	Body	Heat Resistant Plastic	UL94V-0, H/F
	Flip	Heat Resistant Plastic	UL94V-0, H/F
Socket		Copper Alloy	Au Plating

Specifications

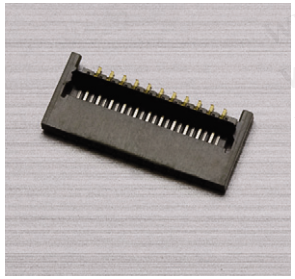
No. of Contacts	17~51
Contact Spacing	0.3mm
Current Rating	0.2Amps/Pin
Voltage Rating	AC, DC 50V
Dielectric Withstanding Voltage	AC 250V r.m.s(for one minute)
Insulation Resistance	50MΩ
Contact Resistance	80mΩ
Operating Temp.	-40℃ ~ +85℃

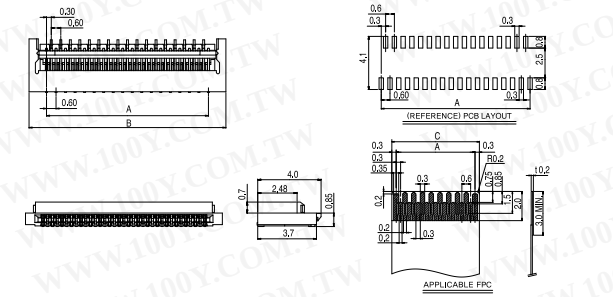
Ordering Information

GF032A — * * S

- GF032A: Series
- * *: No. of Contacts

Angle Socket



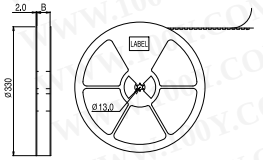


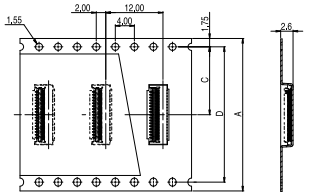
Part Number : GF032A - ＊＊S

No. of Pin	Part Number	A	B	C
17	GF032A-17S	4.8	7.0	5.4
19	GF032A-19S	5.4	7.6	6.0
21	GF032A-21S	6.0	8.2	6.6
23	GF032A-23S	6.6	8.8	7.2
25	GF032A-25S	7.2	9.4	7.8
27	GF032A-27S	7.8	10.0	8.4
29	GF032A-29S	8.4	10.6	9.0
31	GF032A-31S	9.0	11.2	9.6
33	GF032A-33S	9.6	11.8	10.2
35	GF032A-35S	10.2	12.4	10.8
37	GF032A-37S	10.8	13.0	11.4
39	GF032A-39S	11.4	13.6	12.0
41	GF032A-41S	12.0	14.2	12.6
43	GF032A-43S	12.6	14.8	13.2
45	GF032A-45S	13.2	15.4	13.8
47	GF032A-47S	13.8	16.0	14.4
49	GF032A-49S	14.4	16.6	15.0
51	GF032A-51S	15.0	17.2	15.6

Embossed Tape Assembly

Bobbin





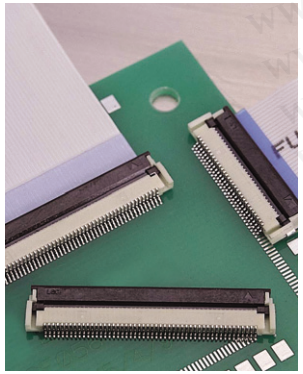
Packing Part Number : GF032A - ＊＊S - E2000

No. of Pin	Part Number	A	B	C	D
17	GF032A-17S-E2000	24.0	26.0	11.5	-
19	GF032A-19S-E2000				
21	GF032A-21S-E2000				
23	GF032A-23S-E2000				
25	GF032A-25S-E2000				
27	GF032A-27S-E2000				
29	GF032A-29S-E2000				
31	GF032A-31S-E2000				
33	GF032A-33S-E2000				
35	GF032A-35S-E2000				
37	GF032A-37S-E2000				
39	GF032A-39S-E2000				
41	GF032A-41S-E2000				
43	GF032A-43S-E2000				
45	GF032A-45S-E2000				
47	GF032A-47S-E2000	32.0	34.0	14.2	28.4
49	GF032A-49S-E2000				
51	GF032A-51S-E2000				

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GF056 series

0.5mm pitch FFC/FPC Connector



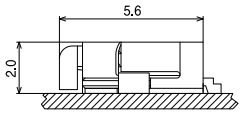
Features

- GF056 series Connector is 2.0mm Height and 5.6mm width capable of high density installation for small sets.
- ZIF type(Zero Insertion Force)
  GF056 series Connector is designed as ZIF type which you can insert FFC/FPC after opening the Slider to make the insertion easier and to maintain better contact reliance.
- Bottom Contact Structure
  GF056 series Connector is a Bottom Contact Structure which the bottom conductor part of FFC/FPC makes contact.

Applications

- Digital Camera, Camcorder, MP3 Player
- LCD, PDP, Note PC, CD-ROM, etc

Mating Diagram



Materials & Finishes

Parts		Materials / Finishes	
Insulator	Body	Heat Resistant Plastic	UL94V-0
	Flip	Heat Resistant Plastic	UL94V-0
Socket		Copper Alloy	Au Plating
Hold Down		Copper Alloy	Tin Plating

Specifications

No. of Contacts	5~60
Contact Spacing	0.5mm
Current Rating	0.4Amps/Pin
Voltage Rating	AC, DC 50V
Dielectric Withstanding Voltage	AC 200V r.m.s(for one minute)
Insulation Resistance	100MΩ
Contact Resistance	20mΩ
Operating Temp.	-40℃ ~ +85℃

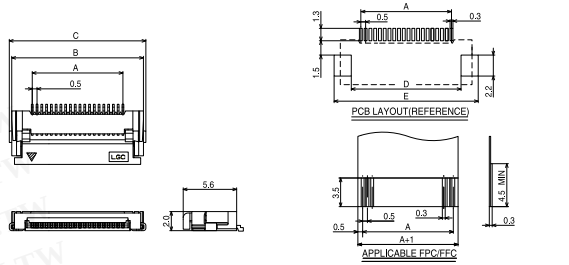
Ordering Information

GF056 — 50 S — LSS — *

- GF056: Series
- 50: No. of Contacts
- *: Modification Code AF:Au Flash Plating

Angle Socket

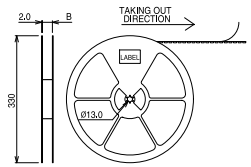


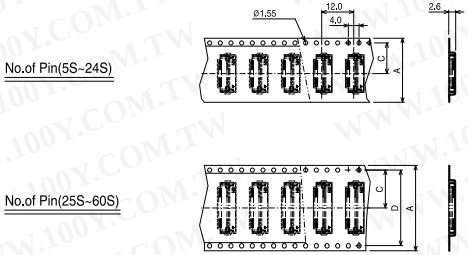


No. of Pin	Part Number	A	B	C	D	E
20	GF056 - 20S - LSS - *	9.5	14.1	14.3	11.5	15.1
30	GF056 - 30S - LSS - *	14.5	19.1	19.3	16.5	20.1
40	GF056 - 40S - LSS - *	19.5	24.1	24.3	21.5	25.1
50	GF056 - 50S - LSS - *	24.5	29.1	29.3	26.5	30.1
60	GF056 - 60S - LSS - *	29.5	34.1	34.3	31.5	35.1

Embossed Tape Assembly

Bobbin





No. of Pin	Part Number	A	B	C	D
5	GF056 - 5S - LSS - ∗ - E2000	16.0	18.0	7.5	-
6	GF056 - 6S - LSS - ∗ - E2000				
7	GF056 - 7S - LSS - ∗ - E2000				
8	GF056 - 8S - LSS - ∗ - E2000				
9	GF056 - 9S - LSS - ∗ - E2000	24.0	26.0	11.5	
10	GF056 - 10S - LSS - ∗ - E2000				
11	GF056 - 11S - LSS - ∗ - E2000				
12	GF056 - 12S - LSS - ∗ - E2000				
13	GF056 - 13S - LSS - ∗ - E2000				
14	GF056 - 14S - LSS - ∗ - E2000				
15	GF056 - 15S - LSS - ∗ - E2000				
16	GF056 - 16S - LSS - ∗ - E2000				
17	GF056 - 17S - LSS - ∗ - E2000				
18	GF056 - 18S - LSS - ∗ - E2000				
19	GF056 - 19S - LSS - ∗ - E2000				
20	GF056 - 20S - LSS - ∗ - E2000				
21	GF056 - 21S - LSS - ∗ - E2000				
22	GF056 - 22S - LSS - ∗ - E2000				
23	GF056 - 23S - LSS - ∗ - E2000				
24	GF056 - 24S - LSS - ∗ - E2000				
25	GF056 - 25S - LSS - ∗ - E2000	32.0	34.0	14.2	28.4
26	GF056 - 26S - LSS - ∗ - E2000				
27	GF056 - 27S - LSS - ∗ - E2000				
28	GF056 - 28S - LSS - ∗ - E2000				
29	GF056 - 29S - LSS - ∗ - E2000				
30	GF056 - 30S - LSS - ∗ - E2000				
31	GF056 - 31S - LSS - ∗ - E2000				
32	GF056 - 32S - LSS - ∗ - E2000				
33	GF056 - 33S - LSS - ∗ - E2000				
34	GF056 - 34S - LSS - ∗ - E2000				
35	GF056 - 35S - LSS - ∗ - E2000				
36	GF056 - 36S - LSS - ∗ - E2000	44.0	46.0	20.2	40.4
37	GF056 - 37S - LSS - ∗ - E2000				
38	GF056 - 38S - LSS - ∗ - E2000				
39	GF056 - 39S - LSS - ∗ - E2000				
40	GF056 - 40S - LSS - ∗ - E2000				
41	GF056 - 41S - LSS - ∗ - E2000				
42	GF056 - 42S - LSS - ∗ - E2000				
43	GF056 - 43S - LSS - ∗ - E2000				
44	GF056 - 44S - LSS - ∗ - E2000				
45	GF056 - 45S - LSS - ∗ - E2000				
46	GF056 - 46S - LSS - ∗ - E2000				
47	GF056 - 47S - LSS - ∗ - E2000				
48	GF056 - 48S - LSS - ∗ - E2000				
49	GF056 - 49S - LSS - ∗ - E2000				
50	GF056 - 50S - LSS - ∗ - E2000				
51	GF056 - 51S - LSS - ∗ - E2000				
52	GF056 - 52S - LSS - ∗ - E2000				
53	GF056 - 53S - LSS - ∗ - E2000				
54	GF056 - 54S - LSS - ∗ - E2000				
55	GF056 - 55S - LSS - ∗ - E2000				
56	GF056 - 56S - LSS - ∗ - E2000	56.0	58.0	26.2	52.4
57	GF056 - 57S - LSS - ∗ - E2000				
58	GF056 - 58S - LSS - ∗ - E2000				
59	GF056 - 59S - LSS - ∗ - E2000				
60	GF056 - 60S - LSS - ∗ - E2000				

GF059 series

0.5mm pitch TCP Connector



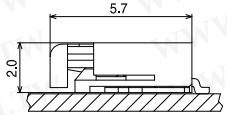
Features

- GF059 series Connector is 2.0mm Height and 5.7mm width capable of high density installation for small sets.
- ZIF type (Zero insertion Force)
  GF059 series Connector is designed as ZIF type which you can insert TCP(t=0.11 ±0.02mm) after opening the Slider to make the insertion easier and to maintain better contact reliance.
- Bottom Contact Structure
  GF059 series Connector is a Bottom Contact Structure which the bottom conductor part of TCP makes contact.

Applications

- Digital Camera, Camcorder, MP3 Player
- LCD, PDP, Note PC, CD-ROM, etc

Mating Diagram



Materials & Finishes

Parts		Materials / Finishes	
Insulator	Body	Heat Resistant Plastic	UL94V-0
	Flip	Heat Resistant Plastic	UL94V-0
Socket		Copper Alloy	Au Plating
Hold Down		Copper Alloy	Tin Plating

Specifications

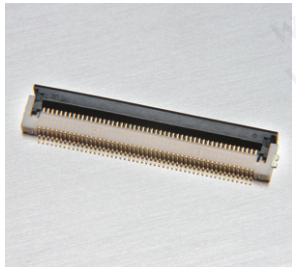
No. of Contacts	15~60
Contact Spacing	0.5mm
Current Rating	0.4Amps/Pin
Voltage Rating	AC, DC 50V
Dielectric Withstanding Voltage	AC 200V r.m.s(for one minute)
Insulation Resistance	100MΩ
Contact Resistance	20mΩ
Operating Temp.	-40℃ ~ +85℃

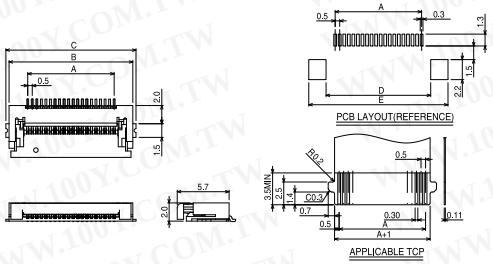
Ordering Information

GF059 — 50 S — ∗

- GF059: Series
- 50: No. of Contacts
- S
- ∗: Modification Code
  AF: Au Flash Plating
  SN: Sn- Au Selective Plating

Angle Socket

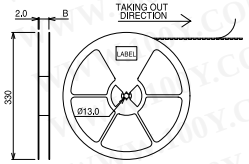




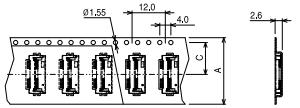
No. of Pin	Part Number	A	B	C	D	E
20	GF059 - 20S - *	9.5	13.6	14.3	11.5	15.3
30	GF059 - 30S - *	14.5	18.6	19.3	16.5	20.3
40	GF059 - 40S - *	19.5	23.6	24.3	21.5	25.3
50	GF059 - 50S - *	24.5	28.6	29.3	26.5	30.3
60	GF059 - 60S - *	29.5	33.6	34.3	31.5	35.3

Embossed Tape Assembly

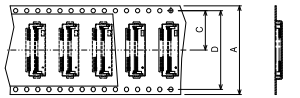
Bobbin



No.of Pin(15S~24S)



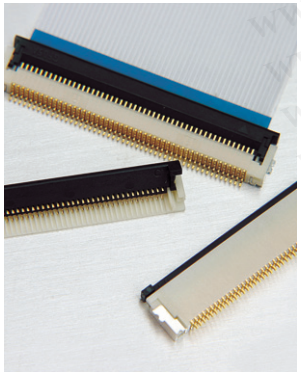
No.of Pin(25S~60S)



No. of Pin	Part Number	A	B	C	D
20	GF059 - 20S - * - E2000	24.0	26.0	11.5	-
30	GF059 - 30S - * - E2000	32.0	34.0	14.2	28.4
40	GF059 - 40S - * - E2000	44.0	46.0	20.2	40.4
50	GF059 - 50S - * - E2000	44.0	46.0	20.2	40.4
60	GF059 - 60S - * - E2000	56.0	58.0	26.2	52.4

GF05A series

0.5mm pitch FFC/FPC Connector



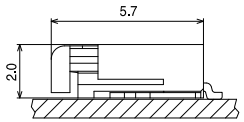
Features

- GF05A series Connector is 2.0mm Height and 5.7mm width capable of high density installation for small set.
- ZIF type(Zero Insertion Force)
  GF05A series Connector is designed as ZIF type which you can insert FFC/FPC after opening the Slider to make the insertion easier and to maintain better contact reliance.
- Bottom Contact Structure
  GF05A series Connector is a Bottom Contact Structure which the bottom conductor part of FFC/FPC makes contact.

Applications

- Digital Camera, Camcorder, MP3 Player
- LCD, PDP, Noter PC, CD-ROM, etc

Mating Diagram



Materials & Finishes

Parts		Materials / Finishes	
Insulator	Body	Heat Resistant Plastic	UL94V-0, H/F
	Flip	Heat Resistant Plastic	UL94V-0, H/F
Socket		Copper Alloy	Au Plating
Hold Down		Copper Alloy	Tin Plating

Specifications

No. of Contacts	15~60
Contact Spacing	0.5mm
Current Rating	0.4Amps/Pin
Voltage Rating	AC, DC 50V
Dielectric Withstanding Voltage	AC 200V r.m.s(for one minute)
Insulation Resistance	100MΩ
Contact Resistance	20mΩ
Operating Temp.	-40℃ ~ +85℃

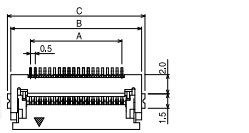
Ordering Information

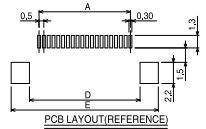
GF05A – 50 S – *

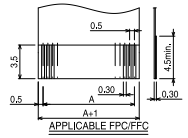
- GF05A: Series
- 50: No. of Contacts
- S
- *: Modification Code
  AF:Au Flash Plating
  HF:Halogen Free

Angle Socket





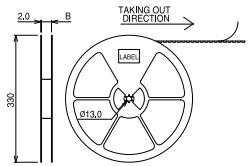


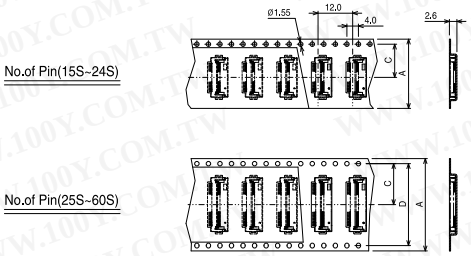


No. of Pin	Part Number	A	B	C	D	E
20	GF05A - 20S - *	9.5	13.6	14.3	11.5	15.3
30	GF05A - 30S - *	14.5	18.6	19.3	16.5	20.3
40	GF05A - 40S - *	19.5	23.6	24.3	21.5	25.3
50	GF05A - 50S - *	24.5	28.6	29.3	26.5	30.3
60	GF05A - 60S - *	29.5	33.6	34.3	31.5	35.3

Embossed Tape Assembly

Bobbin

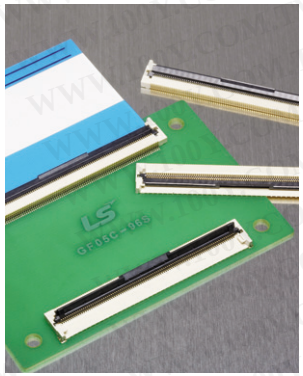




No. of Pin	Part Number	A	B	C	D
20	GF05A - 20S - * - E2000	24.0	26.0	11.5	-
30	GF05A - 30S - * - E2000	32.0	34.0	14.2	28.4
40	GF05A - 40S - * - E2000	44.0	46.0	20.2	40.4
50	GF05A - 50S - * - E2000	44.0	46.0	20.2	40.4
60	GF05A - 60S - * - E2000	56.0	58.0	26.2	52.4

GF05C series

0.5mm pitch FFC/FPC Connector



Features

- GF05C Series Connector is 2.0mm Height and 8.5mm width capable of high density installation for Full HD Pannel
- ZIF type (Zero Insertion Force)
  GF05C Series Connector is designed as ZIF type which you can insert FFC/FPC(t=0.3±0.05mm) after opening the Slider to make the insertion easier and to maintain better contact reliance.
- Bottom Contact Structure
  GF030 Series Connector is a Bottom Contact Structure which the bottom conductor part of FFC/FPC makes contact.

Applications

- LCD Module, LCD Monitor, Note PC

Materials & Finishes

Parts		Materials / Finishes	
Insulator	Body	Heat Resistant Plastic	UL94V-0, H/F
	Flip	Heat Resistant Plastic	UL94V-0, H/F
Socket		Copper Alloy	Au Plating
Hold Down		Copper Alloy	Sn Plating

Specifications

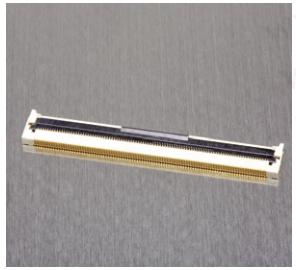
No. of Contacts	80,96
Contact Spacing	0.5mm
Current Rating	0.5Amps/Pin
Voltage Rating	AC, DC 50V
Insulation Resistance	1000MΩ Min
Contact Resistance	40mΩ Max
Operating Temp.	-40℃ ~ +85℃

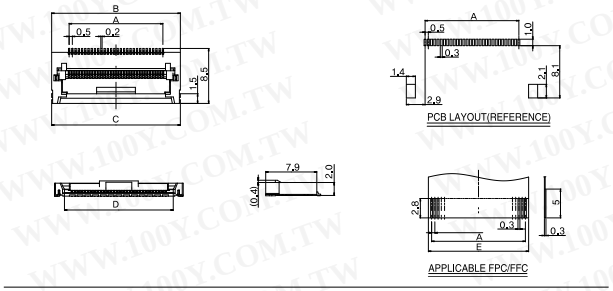
Ordering Information

GF05C – * * – S

- GF05C: Series
- * *: No. of Contacts

Angle Socket



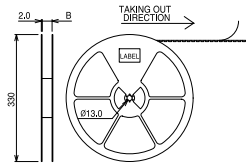


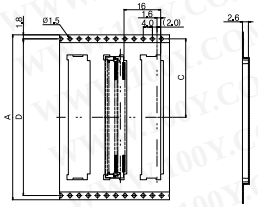
Part Number : GF05C - **S

No. of Pin	Part Numbe	A	B	C	D	E
96	GF05C-96S	47.5	52.9	52.9	49.9	49.8
80	GF05C-80S	39.5	44.9	44.9	41.9	41.8

Embossed Tape Assembly

Bobbin





Packing Part Number : GF05C - **S - E1500

No. of Pin	Part Numbe	A	B	C	D
96	GF05C-96S	72.0	74.0	34.2	68.4
80	GF05C-80S	72.0	74.0	34.2	68.4

GF05D series

0.5mm pitch FPC/FFC Connector



Features

- GF05D Series Connector is 1.0mm Height and 3.7mm Width capable of high density installation for portable equipment.
- ZIF type (Zero Insertion Force)
  GF05D Series Connector is designed as ZIF type which you can insert FPC/FFC(t=0.2±0.03mm) after opening the Slider to make the insertion easier and to maintain better contact reliance.
- Bottom Contact Structure
  GF05D Series Connector is a Bottom Contact Structure which the bottom conductor part of FPC/FFC makes contact.
- Rotary Backlock Mechanism
  GF05D Series Connector enables the reliable electrical connection and easy FPC insertion.

Applications

- Note PC
- Compact portable devices, etc.

Materials & Finishes

Parts		Materials / Finishes	
Insulator	Body	Heat Resistant Plastic	UL94V-0, H/F
	Flip	Heat Resistant Plastic	UL94V-0, H/F
Socket		Copper Alloy	Au Plating
Hold Down		Copper Alloy	Sn Plating

Specifications

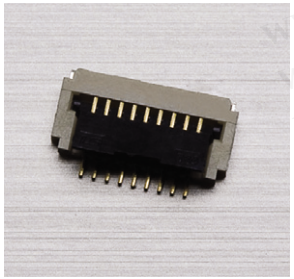
No. of Contacts	6, 9, 12
Contact Spacing	0.5mm
Current Rating	0.5Amps/Pin
Voltage Rating	AC, DC 50V
Dielectric Withstanding Voltage	AC 150V r.m.s(for one minute)
Insulation Resistance	500MΩ
Contact Resistance	100mΩ
Operating Temp.	-55℃ ~ +85℃

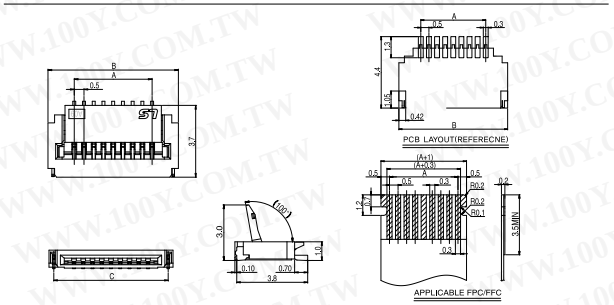
Ordering Information

GF05D – * * S – LSS

GF05D: Series; * *: No. of Contacts

Angle Socket



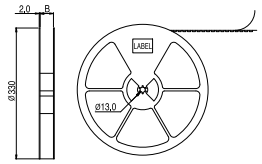


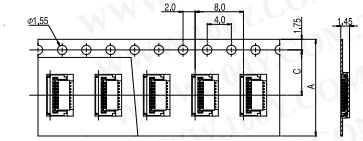
Part Number : GF05D - ＊＊S - LSS

No. of Pin	Part Numbe	A	B	C
6	GF05D-6S-LSS	2.50	5.20	4.68
9	GF05D-9S-LSS	4.00	6.70	6.18
12	GF05D-12S-LSS	5.50	8.20	7.68

Embossed Tape Assembly

Bobbin



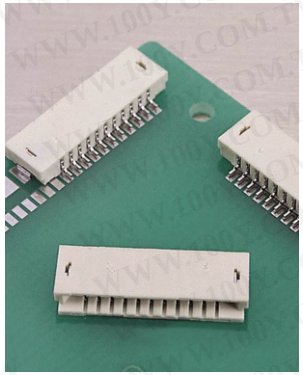


Packing Part Number : GF05D - ＊＊S - LSS - E5000

No. of Pin	Part Numbe	A	B	C
6	GF05D-6S-LSS-E5000	16.0	18.0	7.5
9	GF05D-9S-LSS-E5000			
12	GF05D-12S-LSS-E5000			

GF10A series

1.0mm pitch FFC/FPC Connector



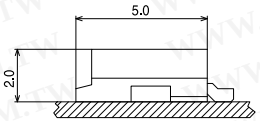
Features

- GF10A series Connector is 2.0mm Height and 5.0mm width capable of high density installation for various sets.
- Stable 2-Point Contact Structure
  GF10A series Connector features a 2-point contact structure offering exellent contact reliability from external impact of vibration.

Applications

- VCR, Printer
- PC, CD-ROM, DVD, etc

Mating Diagram



Materials & Finishes

Parts	Materials / Finishes	
Insulator	Heat Resistant Plastic	UL94V-0
Socket Contact	Copper Alloy	Au Plating
Hold Down	Copper Alloy	Tin Plating

Specifications

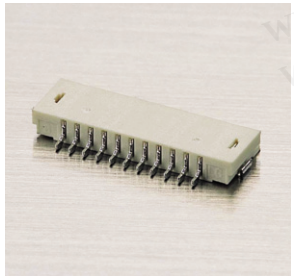
No. of Contacts	4~30
Contact Spacing	1.0mm
Current Rating	1.0Amps/Pin
Voltage Rating	AC, DC 50V
Dielectric Withstanding Voltage	AC 500V r.m.s(for one minute)
Insulation Resistance	100MΩ
Contact Resistance	20mΩ
Operating Temp.	-40℃ ~ +85℃

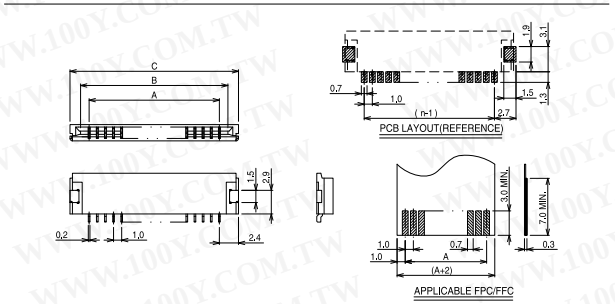
Ordering Information

GF10A – 6 S – LSS – ＊

- GF10A: Series
- 6: No. of Contacts
- ＊: Modification Code Au: Au Plating

Angle Socket

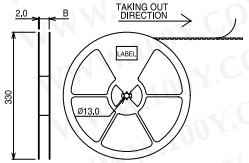




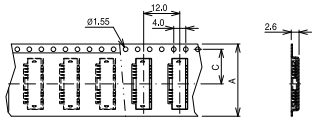
No. of Pin	Part Number	A	B	C
4	GF10A - 4S - LSS - *	3.0	5.1	7.7
5	GF10A - 5S - LSS - *	4.0	6.1	8.7
6	GF10A - 6S - LSS - *	5.0	7.1	9.7
7	GF10A - 7S - LSS - *	6.0	8.1	10.7
8	GF10A - 8S - LSS - *	7.0	9.1	11.7
9	GF10A - 9S - LSS - *	8.0	10.1	12.7
10	GF10A - 10S - LSS - *	9.0	11.1	13.7
11	GF10A - 11S - LSS - *	10.0	12.1	14.7
12	GF10A - 12S - LSS - *	11.0	13.1	15.7
13	GF10A - 13S - LSS - *	12.0	14.1	16.7
14	GF10A - 14S - LSS - *	13.0	15.1	17.7
15	GF10A - 15S - LSS - *	14.0	16.1	18.7
16	GF10A - 16S - LSS - *	15.0	17.1	19.7
17	GF10A - 17S - LSS - *	16.0	18.1	20.7
18	GF10A - 18S - LSS - *	17.0	19.1	21.7
19	GF10A - 19S - LSS - *	18.0	20.1	22.7
20	GF10A - 20S - LSS - *	19.0	21.1	23.7
21	GF10A - 21S - LSS - *	20.0	22.1	24.7
22	GF10A - 22S - LSS - *	21.0	23.1	25.7
23	GF10A - 23S - LSS - *	22.0	24.1	26.7
24	GF10A - 24S - LSS - *	23.0	25.1	27.7
25	GF10A - 25S - LSS - *	24.0	26.1	28.7
26	GF10A - 26S - LSS - *	25.0	27.1	29.7
27	GF10A - 27S - LSS - *	26.0	28.1	30.7
28	GF10A - 28S - LSS - *	27.0	29.1	31.7
29	GF10A - 29S - LSS - *	28.0	30.1	32.7
30	GF10A - 30S - LSS - *	29.0	31.1	33.7

Embossed Tape Assembly

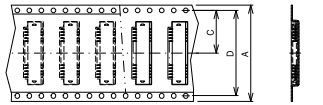
Bobbin



No.of Pin(4S~14S)



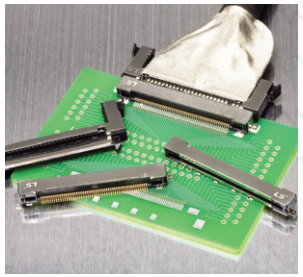
No.of Pin(15S~30S)



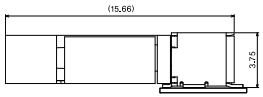
No. of Pin	Part Number	A	B	C	D
4	GF10A - 4S - LSS - * - E1000	16.0	18.0	7.5	-
5	GF10A - 5S - LSS - * - E1000				
6	GF10A - 6S - LSS - * - E1000				
7	GF10A - 7S - LSS - * - E1000	24.0	26.0	11.5	
8	GF10A - 8S - LSS - * - E1000				
9	GF10A - 9S - LSS - * - E1000				
10	GF10A - 10S - LSS - * - E1000				
11	GF10A - 11S - LSS - * - E1000				
12	GF10A - 12S - LSS - * - E1000				
13	GF10A - 13S - LSS - * - E1000				
14	GF10A - 14S - LSS - * - E1000				
15	GF10A - 15S - LSS - * - E1000	32.0	34.0	14.2	28.4
16	GF10A - 16S - LSS - * - E1000				
17	GF10A - 17S - LSS - * - E1000				
18	GF10A - 18S - LSS - * - E1000				
19	GF10A - 19S - LSS - * - E1000	44.0	46.0	20.2	40.4
20	GF10A - 20S - LSS - * - E1000				
21	GF10A - 21S - LSS - * - E1000				
22	GF10A - 22S - LSS - * - E1000				
23	GF10A - 23S - LSS - * - E1000				
24	GF10A - 24S - LSS - * - E1000				
25	GF10A - 25S - LSS - * - E1000				
26	GF10A - 26S - LSS - * - E1000				
27	GF10A - 27S - LSS - * - E1000				
28	GF10A - 28S - LSS - * - E1000				
29	GF10A - 29S - LSS - * - E1000				
30	GF10A - 30S - LSS - * - E1000				

GT05L series

0.5mm pitch PCB to Wire Connector



Mating Diagram



Features

- GT05L Series Connector is Profile with 3.75mm Height (1.0mm when PCB installed), 51 Signal Contact, 0.5mm Pitch, Mating connector is Locking Type (On Board Type)
- EMI Prevention Effect
  The Receptacle and the Plug is shielded with metallic material which enables excellent EMI prevention effect.
- Improved Mechanical Performance

Applications

- LCD TV, PDP TV

Materials & Finishes

	Parts	Materials / Finishes	
Receptacle	Socket Insulator	Heat Resistant Plastic	UL94V-0
	Signal Contact	Copper Alloy	Au/Ni Plating
	Socket Shell	Copper Alloy	Au/Pd/Ni Plating
Plug	Plug Insulator	Heat Resistant Plastic	UL94V-0
	Plug Shell	Stainless Steel	-
	Lever L,R	Stainless Steel	-
	Contact A	Copper Alloy	Au/Ni Plating
	Contact B	Copper Alloy	Au/Ni Plating

Specifications

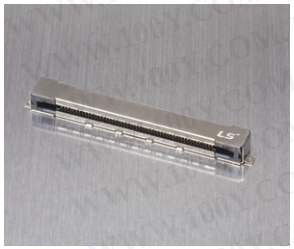
No. of Contacts	51
Contact Spacing	0.5mm
Current Rating	1Amps/Pin
Voltage Rating	AC, DC 200V
Dielectric Withstanding Voltage	AC 500V r.m.s(for one minute)
Insulation Resistance	100MΩ
Contact Resistance	40mΩ Max
Operating Temp.	-40℃ ~ +85℃

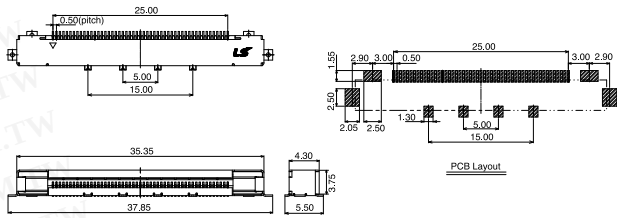
Ordering Information

GT05L – 51 S – H38

- GT05L: Series, 0.5mm Pitch
- 51: No. of Contacts
- S: Cntact Type, S:Socket, P:Plug
- H38: Height, H38 : standard(3.75mm)

Receptacle

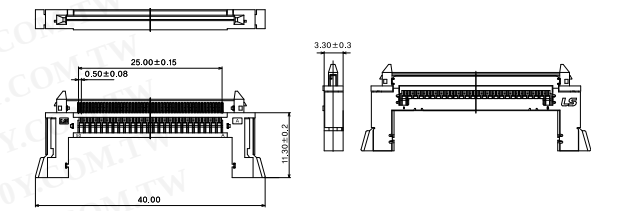




Part Number : GT05L - 51S - H38 - E1500

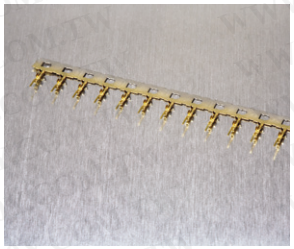
Plug

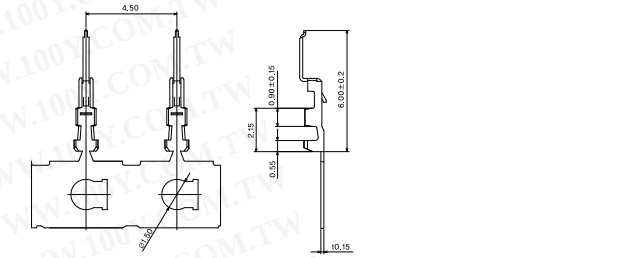




Part Number : GT05L - 51P - CS

Terminal A

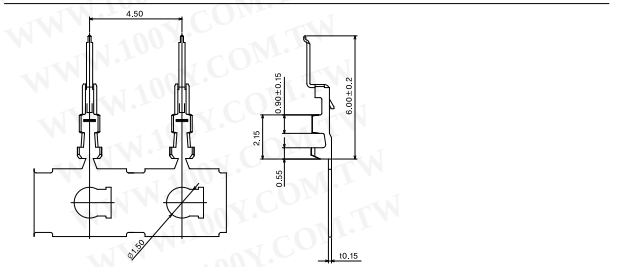




Part Number : GT05L - C - A - 30000

Terminal B

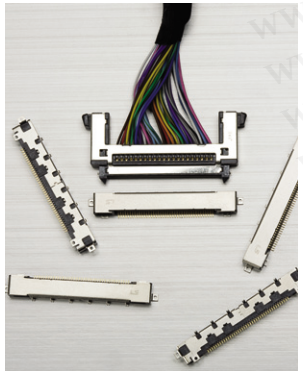




Part Number : GT05L - C - B - 30000

GT05P series

0.5mm Pitch PCB to Wire Connector



Features

- GT05P Series Connector is Profile Connector with 3.75mm Height, 41(51) Signal Contact, 0.5mm Pitch, Mating Connector is Locking Type (On Board Type)
- EMI Prevention Effect.
  The Receptacle and the Plug is shielded with metallic material which enables excellent EMI prevention effect.
- Improved Mechanical Performance

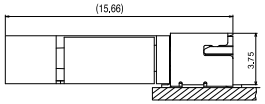
Applications

- LCD TV, PDP TV

Materials & Finishes

	Parts	Materials / Finishes	
Receptacle	Socket Insulator	Heat Resistant Plastic	UL94V-0
	Signal Contact	Copper Alloy	Au / Ni Plating
	Lock Pin	Stainless	-
	Socket Shell	Copper Alloy	Au / Pd / Ni Plating

Mating Diagram



Specifications

No. of Contacts	41, 51
Contact Spacing	0.5mm
Current Rating	1Amps/Pin
Voltage Rating	AC, DC 200V
Dielectric Withstanding Voltage	AC 500V r.m.s (for one minute)
Insulation Resistance	100MΩ Min
Contact Resistance	40mΩ Max
Operating Temp.	-40℃ ~ +85℃

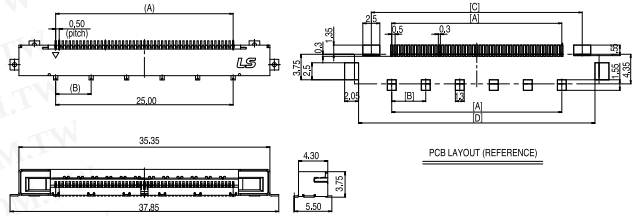
Ordering Information

GT05P – 41(51) S – H38

- GT05P: Series
- 41(51): No. of Contacts
- S: Contact Type P:Plug S:Socket
- H38: Height H38 : Standard(3.75mm)

Receptacle

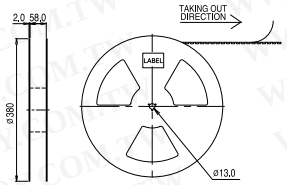


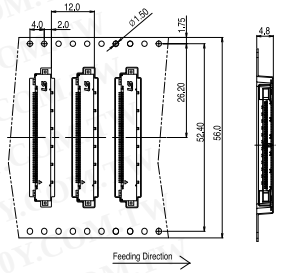


No. of Pin	Part Numbe	A	B	C
41	GT05P-41S-H38	2.4	4.6	3.0
51	GT05P-51S-H38	4.8	7.0	5.4

Embossed Tape Assembly

Bobbin





No. of Pin	Part Numbe	A	B	C	D
41	GT05P-41S-H38-E1500	16.0	18.0	7.5	-
51	GT05P-51S-H38-E1500	24.0	26.0	11.5	

GT05Q series

MCX (Micro Coaxial Cable) Connector



Features

- GT05Q Series Connector is 1.0mm Height and 0.5mm pitch capable of high density installation for small sets
- EMI protection is provided by covering with metal shell
- For Micro Coaxial Cable (#36~44 AWG)

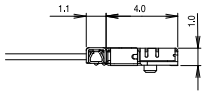
Applications

- LCD Module, Note PC

Materials & Finishes

	Parts	Materials / Finishes	
Receptacle	Insulator	Heat Resistant Plastic	UL94V-0
	Contact	Copper Alloy	Au/Ni
	Shell	Copper Alloy	Au/Ni

Mating Diagram



Specifications

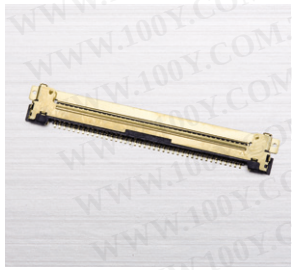
No. of Contacts	30, 40
Contact Spacing	0.5mm
Current Rating	AC, DC 0.1 A/Pin [AWG#44] AC, DC 0.24 A/Pin [AWG#42] AC, DC 0.30 A/Pin [AWG#40] AC, DC 0.80 A/Pin [AWG#36]
Voltage Rating	AC, DC 100V/Pin
Dielectric Withstanding Voltage	AC 250V r.m.s(for one minute)
Operating Temp.	-25℃ ~ +85℃

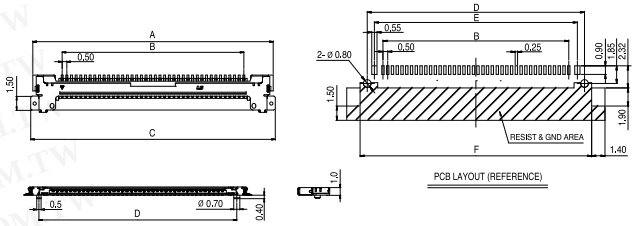
Ordering Information

GT05Q – * * S

- GT05Q: Series
- * *: No. of Contacts
- S: Contact Type, S: Receptacle

Angle Socket

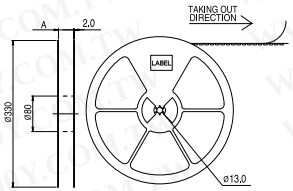


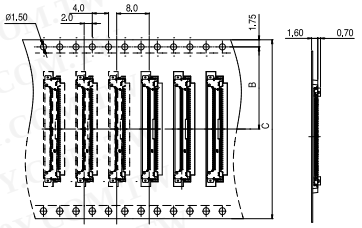


No. of Pin	Part Number	A	B	C	D	E	F
20	GT05Q-20S-H10-E3000	15.80	9.50	16.25	12.80	11.30	14.30
30	GT05Q-30S-H10-E3000	20.80	14.50	21.25	17.80	16.30	19.30
40	GT05Q-40S-H10-E3000	25.80	19.50	26.25	22.80	21.30	24.30

Embossed Tape Assembly

Bobbin



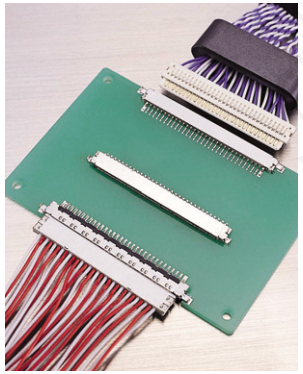


No. of Pin	Part Numbe	A	B	C
20	GT05Q-20S-H10-E3000	26.0	11.5	24.0
30	GT05Q-30S-H10-E3000	34.0	14.3	32.0
40	GT05Q-40S-H10-E3000	46.0	20.3	44.0

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GT101 series

1.0mm pich PCB to Wire Connector



Features

- GT101 series Connector is a Low Profile Connector with 1.0, 1.1, 1.6 Height, 9.3, 9.9mm width capable of high density installation.
- EMI Preventon Effect
  The Receptacle and the Plug is shielded with metallic material which enables excellent EMI prevention effect.

Applications

- LCD Monitor, LCD Module, NotePC

Materials & Finishes

	Parts	Materials / Finishes	
Receptacle	Socket Insulator	Heat Resistant Plastic	UL94V-0
	Signal Contact	Copper Alloy	Au+SuCu/Ni Plating
	Ground Plate	Copper Alloy	Tin Plating
	Socket Shell	Copper Alloy	Tin Plating
Plug	Plug Insulator	Heat Resistant Plastic	UL94V-0
	Plug Shell	Copper Alloy	Tin Plating
	Contact	Copper Alloy	Au/Ni Plating

Specifications

No. of Contacts	30
Contact Spacing	1.0mm
Height	1.0, 1.1, 1.6mm
Current Rating	1Amps/Pin
Voltage Rating	AC, DC 200V
Dielectric Withstanding Voltage	AC 500V r.m.s(for one minute)
Insulation Resistance	100MΩ
Contact Resistance	40mΩ
Operating Temp.	-40℃ ~ +85℃
Applicable Cable	AWG#30~#36

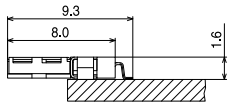
Ordering Information

GT101 — 30 S — HF 10 — *

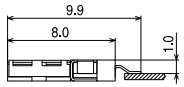
- GT101: Series
- 30: No. of Contacts
- S: Contact Type (P:Plug, S:Socket)
- HF: Termination Style (H:Standard, HF:Forward, HR:Reverse)
- 10: Height (SMT)
- *: Modification Code

Mating Diagram

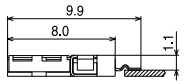
Standard



Forward

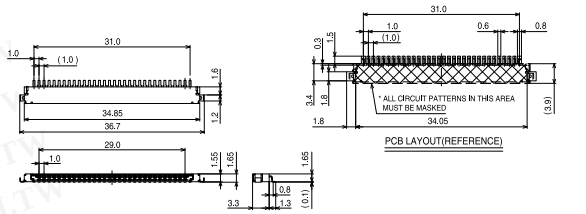


Reverse



Standard(H16)

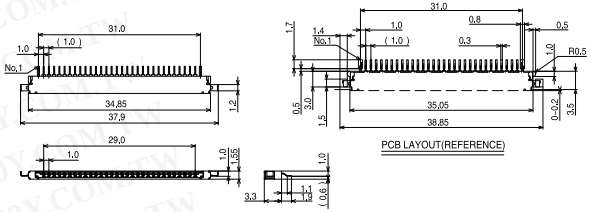




Part Number : GT101 - 30S - H16

Forward(HF10)

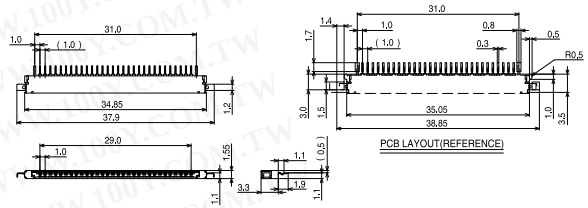




Part Number : GT101 - 30S - HF10

Reverse(HR11)





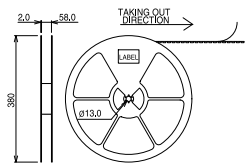
Part Number : GT101 - 30S - HR11

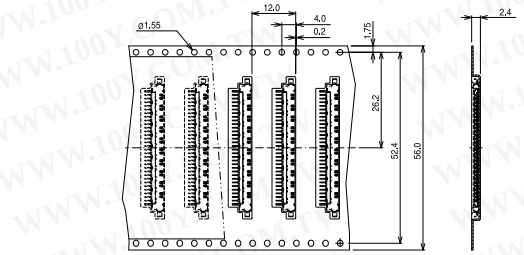
GT103 series

1.0mm pitch PCB to Wire Connector

Embossed Tape Assembly

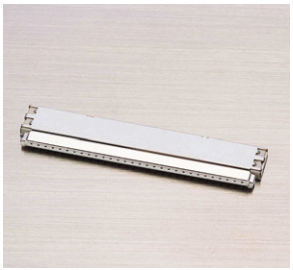
Bobbin

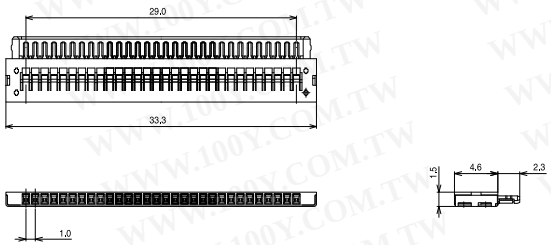




Packing Part Number
GT101 - 30S - H16 - P3000
GT101 - 30S - HF10 - P3000
GT101 - 30S - HR11 - P3000

Plug

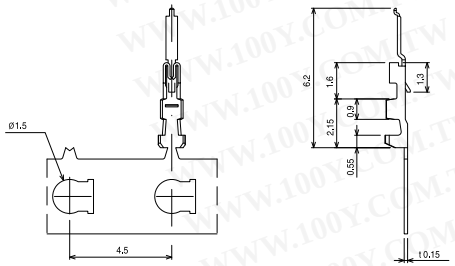




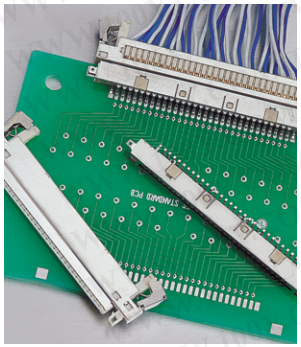
Part Number : GT101 - 30P - CS

Terminal



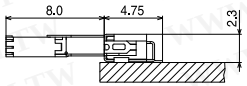


Part Number : GT101 - C1 - 30000 (30000ea/reel)

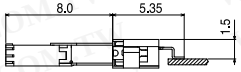


Mating Diagram

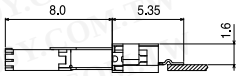
Standard



Forward



Reverse



Features

- GT103 series Connector is Profile Connector with 1.5~2.3mm Height, Mating connector is Locking Power up Type.
- EMI Prevention Effect
  The Receptacle and the Plug is shielded with metallic material which enables excellent EMI prevention effect.

Applications

- LCD Monitor, LCD Module, LCD TV

Materials & Finishes

	Parts	Materials / Finishes	
Receptacle	Socket Insulator	Heat Resistant Plastic	UL94V-0
	Signal Contact	Copper Alloy	Au+SnCu/Ni Plating
	Ground Pin	Copper Alloy	SnCu/Ni Plating
	Socket Shell	Copper Alloy	Au/Pd/Ni Plating
Plug	Plug Insulator	Heat Resistant Plastic	UL94V-0
	Lever	Stainless Steel	-
	Plug Shell	Copper Alloy	Tin Plating

Specifications

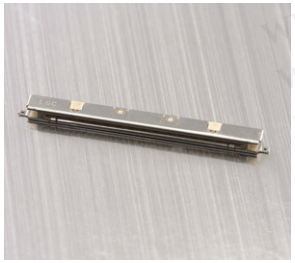
No. of Contacts	30
Contact Spacing	1.0mm
Current Rating	1Amps/Pin
Voltage Rating	AC, DC 200V
Dielectric Withstanding Voltage	AC 500V r.m.s(for one minute)
Insulation Resistance	100MΩ
Contact Resistance	40mΩ
Operating Temp.	-40℃ ~ +85℃

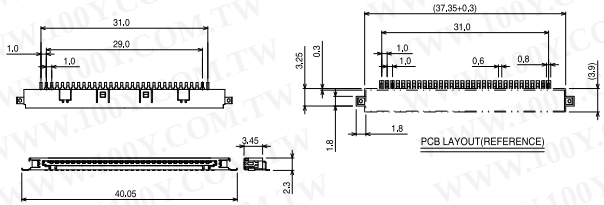
Ordering Information

GT103 – 30 * – H**

- GT103: Series, Power up
- 30: No. of Contacts
- *: Contact Type, S:Socket, P:Plug
- H**: Height, H23:Standard(2.3mm), HF15:Forward(1.5mm), HR16:Reverse(1.6mm)

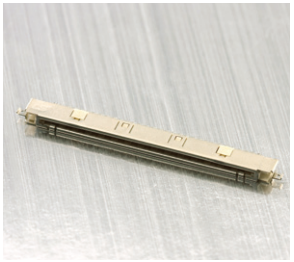
Standard (H23)

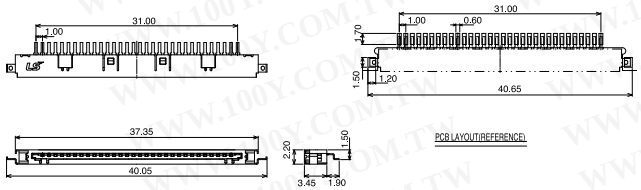




Part Number : GT103 - 30S - H23 - E2500

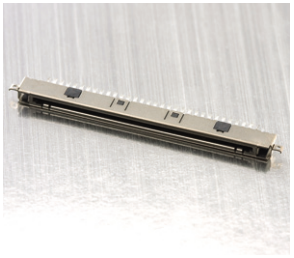
Forward(HF15)

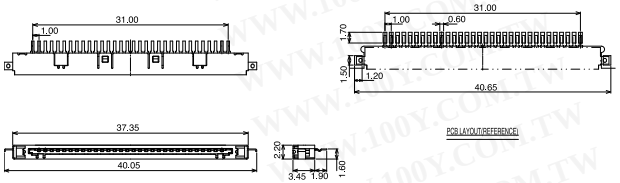




Part Number : GT103 - 30S - HF15 - E2500

Reverse(HR16)

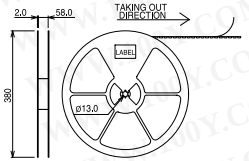


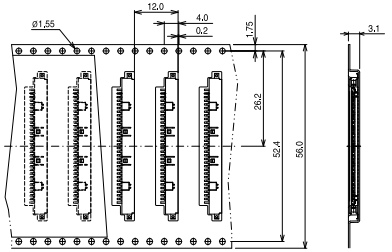


Part Number : GT103 - 30S - HR16 - E2500

Embossed Tape Assembly

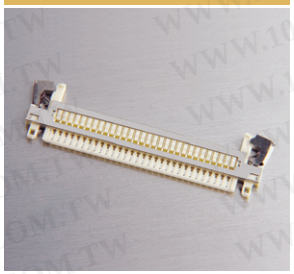
Bobbin

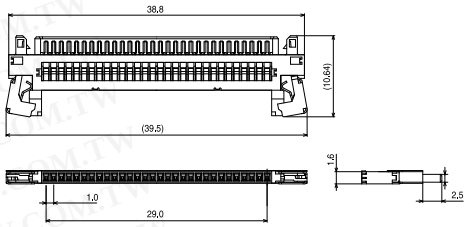




Packing Part Number
GT103 - 30S - H23 - E2500
GT103 - 30S - HF15 - E2500
GT103 - 30S - HR16 - E2500

Plug





Part Number : GT103 - 30P - CS
GT103 series use Plug contact of GT101 series(GT101-C1-30000)

GT105 series

1.0 Pitch PCB to Wire Connector



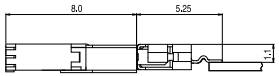
Features

- GT105 Series Connector is a Low Profile Connector with 1.1mm Height, 1.0mm Pitch, Mating Connector is Locking Type (Reverse Locking Type)
- EMI Prevention Effect.
  The Receptacle and the Plug is shielded with metallic material which enables excellent EMI prevention effect.

Applications

- LCD Monitor, LCD Module, Note PC

Mating Diagram



Materials & Finishes

	Parts	Materials / Finishes	
Receptacle	Socket Insulator	Heat Resistant Plastic	UL94V-0
	Signal Contact	Copper Alloy	Au+SuCu/Ni Plating
	Ground Plate	Copper Alloy	Tin Plating
	Socket Shell	Stainless	Tin Plating

Specifications

No. of Contacts	30
Contact Spacing	1.0mm
Current Rating	1Amps/Pin
Voltage Rating	AC, DC 200V
Dielectric Withstanding Voltage	AC 500V r.m.s(for one minute)
Insulation Resistance	100MΩ Min
Contact Resistance	40mΩ Max
Operating Temp.	-40℃ ~ +85℃
Applicable Cable	AWG#30~#36

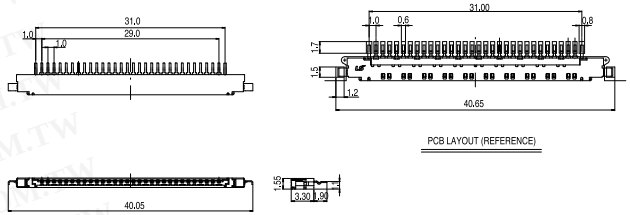
Ordering Information

GT105 — 30 S — HR11

- GT105: Series
- 30: No. of Contacts
- S: Contact Type, S: Socket
- HR11: Height, HR : Reverse (SMT Height : 1.1mm)

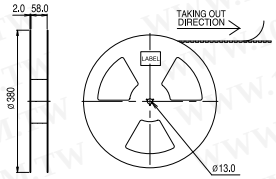
Receptacle

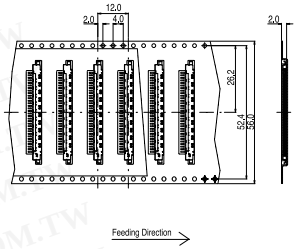




Embossed Tape Assembly

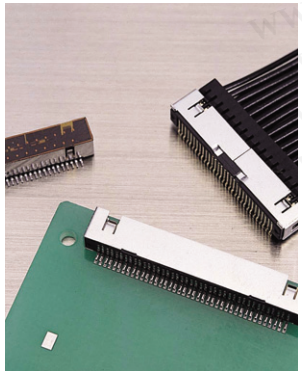
Bobbin





GT121 series

1.25mm pitch PCB to Wire Connector



Features

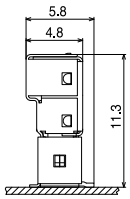
- GT121 series Connector is Double row, SMT type, PCB to Wire Connector.
- EMI Prevention Effect
  The Pin Header and the Socket Housing is shielded with metallic Material which enables excellent EMI prevention effect.

Applications

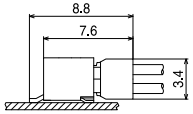
- LCD Monitor, LCD Module, PDP TV

Mating Diagram

Straight



Angle



Materials & Finishes

Parts		Materials / Finishes	
Insulator		Heat Resistant Plastic	UL94V-0
Contact	Pin	Copper Alloy	Au Plating
	Socket	Copper Alloy	Au Plating
Shell		Copper Alloy	Tin Plating

Specifications

No. of Contacts	21, 31, 41
Contact Spacing	1.25mm
Current Rating	1Amps/Pin
Voltage Rating	AC, DC 200V
Dielectric Withstanding Voltage	AC 500V r.m.s(for one minute)
Insulation Resistance	100MΩ
Contact Resistance	40mΩ
Operating Temp.	-40℃ ~ +85℃
Applicable Cable	AWG#28~#32

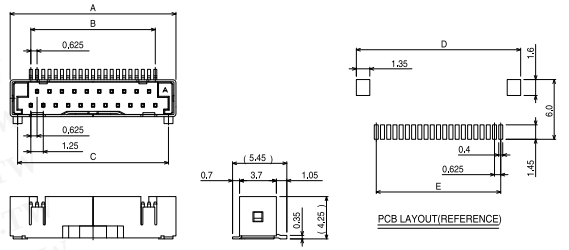
Ordering Information

GT121 — 21 P — T D — *

- GT121: Series
- 21: No. of Contacts
- P: Contact Type (P:Pin Header, S:Socket Housing)
- T: Termination Style (T:Straight, L:Right Angle)
- D: Row (D:Double)
- *: Modification Code

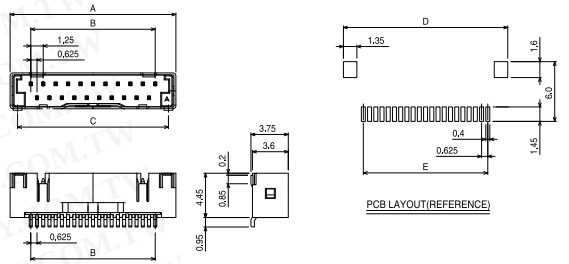
Straight





Angle

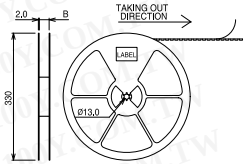


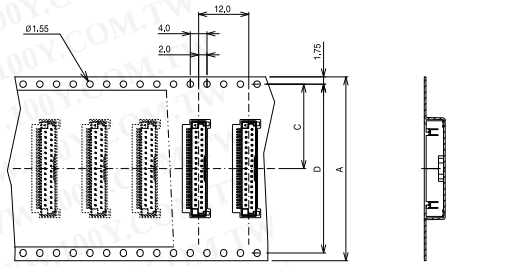


No. of Pin	Part Number		A	B	C	D	E
	Straight	Angle					
21	GT121 - 21P - TD - *	GT121 - 21P - LD - *	16.65	12.50	15.15	16.50	12.50
31	GT121 - 31P - TD - *	GT121 - 31P - LD - *	22.90	18.75	21.40	22.75	18.75
41	-	GT121 - 41P - LD - *	29.15	25.00	27.45	29.00	25.00

Embossed Tape Assembly

Bobbin



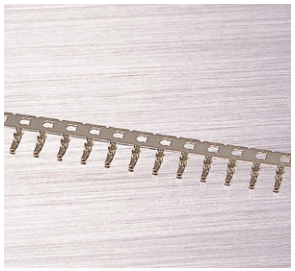


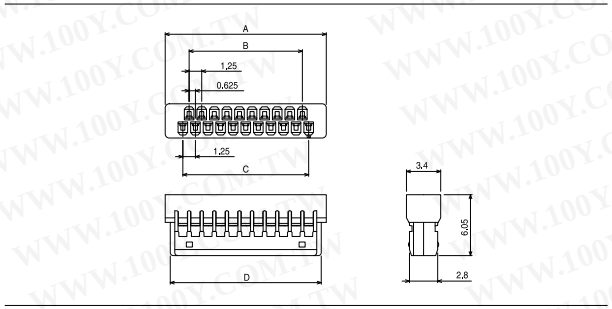
No. of Pin	Part Number		A	B	C	D
	Straight	Angle				
21	GT121 - 21P - TD - * - E1000	GT121 - 21P - LD - * - E1000	32.0	34.0	14.2	28.4
31	GT121 - 21P - TD - * - E1000	GT121 - 31P - LD - * - E1000	44.0	46.0	20.2	40.4
41	-	GT121 - 41P - LD - * - E1000				

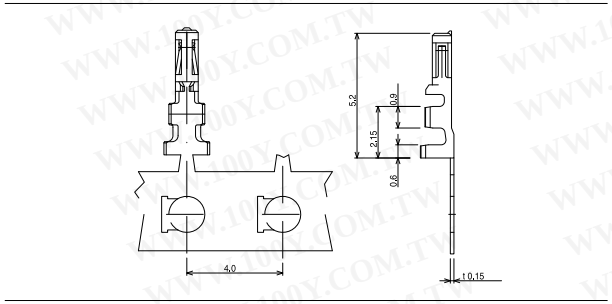
Housing



Terminal







Part Number : GT121 - C - 30000 (30000ea/reel)

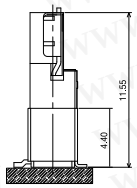
No. of Pin	Part Number	A	B	C	D
21	GT121 - 21S - CD - E	16.0	11.25	12.5	15.0
31	GT121 - 31S - CD - E	22.25	17.50	18.75	21.25
41	GT121 - 41S - CD - E	28.5	23.75	25.0	27.5

GT124 series

1.25mm pitch PCB to Wire Plug Connector



Mating Diagram



Mate Connector is GT121-31P-TD-*

Features

- GT124 Series Connector is Dual Row, Locking Plug
- EMI Prevention Effect
  The Receptacle and the Plug is shielded with metallic material which enables excellent EMI prevention effect.
- Improved Mechanical Performance

Applications

- LCD TV, PDP TV

Materials & Finishes

Parts	Materials / Finishes	
Insulator	Heat Resistant Plastic	UL94V-0
Terminal	Copper Alloy	Au / Ni Plating
Lever	Stainless Steel	-
Shell	Stainless Steel	-

Specifications

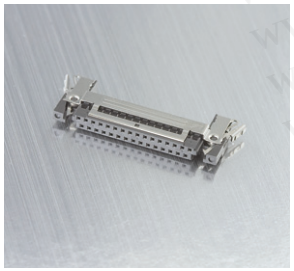
No. of Contacts	31
Contact Spacing	1.25mm
Current Rating	1Amps/Pin
Voltage Rating	AC, DC 200V
Dielectric Withstanding Voltage	AC 500V r.m.s(for one minute)
Insulation Resistance	100MΩ
Contact Resistance	40mΩ Max
Operating Temp.	-40℃ ~ +85℃
Applicable Cable	AWG#28~#32

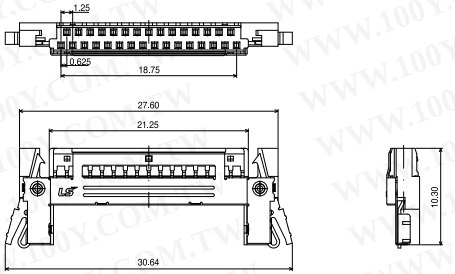
Ordering Information

GT124 — 31 S — C — D

- GT124: Series Locking
- 31: No. of Contacts
- S: Contact Type
- C: Harness C: Crimp
- D: Row D: Dual

GT124-31S-CD

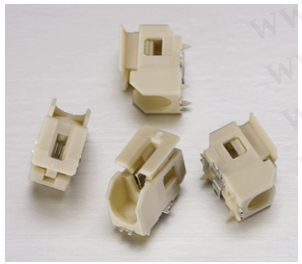




Packing Part Number : GT124-31S-CD(With Terminal:GT121-C-30000)

GP201 series

CCFL Lamp Socket Connector for LCD TV Panel BLU



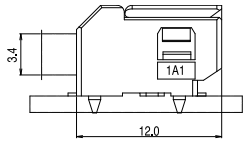
Features

- GP201 Series is SMT Type Connector used for LCD TV Panel BLU (Back Light Unit)
- GP201 Series is a CCFL (Cold Cathode Fluorescent Lamp) Connector Slim Type with 7.5mm Height
- GP201 Series is contributed to space saving for BLU

Applications

- LCD TV Panel BLU

Mating Diagram



Materials & Finishes

Parts	Materials / Finishes	
Body Insulator	Heat Resistant Plastic	UL94V-0
Cap	Heat Resistant Plastic	UL94V-0
Power Contact	Copper Alloy	Sn over Ni Plating
Hold Down	Copper Alloy	Sn over Ni Plating

Specifications

No. of Contacts	1
Current Rating	1Amps/Pin
Voltage Rating	AC, DC 2,000V
Dielectric Withstanding Voltage	AC 3,000V r.m.s(for one minute)
Insulation Resistance	1,000MΩ Min
Contact Resistance	40mΩ Max
Dumet wire for CCFL Diameter	φ0.62 +0.02/-0.01mm(φ0.61 ~ φ0.64)
Diameter of CCFL Lamp	φ3.6
Operating Temp.	-25℃ ~ +150℃

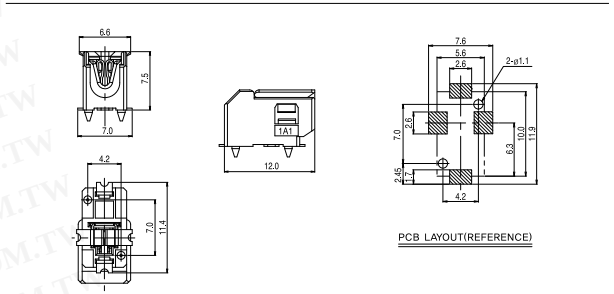
Ordering Information

GP201 — 1S — H75

- GP201: Series
- 1S: No. of Contacts
- H75: Height:7.5mm

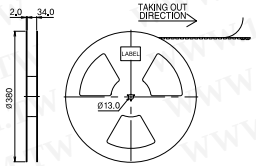
GP201-1S-H75

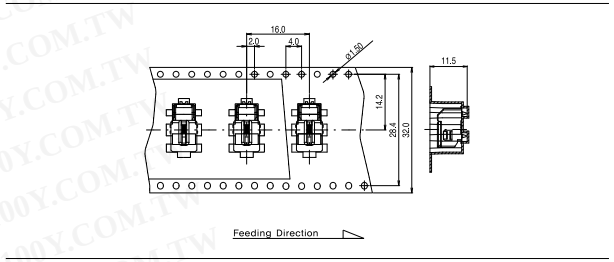




Embossed Tape Assembly

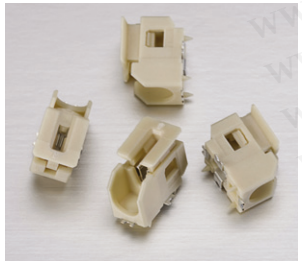
Bobbin





GP202 series

CCFL Lamp Socket Connector for LCD TV Panel BLU



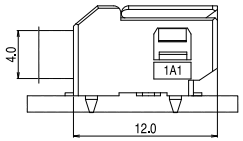
Features

- GP202 Series is SMT Type Connector used for LCD TV Panel BLU (Back Light Unit)
- GP202 Series is a CCFL (Cold Cathode Fluorescent Lamp) Connector Slim Type with 7.5mm Height
- GP202 Series is contributed to space saving for BLU

Applications

- LCD TV Panel BLU

Mating Diagram



Materials & Finishes

Parts	Materials / Finishes	
Body Insulator	Heat Resistant Plastic	UL94V-0
Cap	Heat Resistant Plastic	UL94V-0
Power Contact	Copper Alloy	Sn over Ni Plating
Hold Down	Copper Alloy	Sn over Ni Plating

Specifications

No. of Contacts	1
Current Rating	1Amps/Pin
Voltage Rating	AC, DC 2,000V
Dielectric Withstanding Voltage	AC 3,000V r.m.s(for one minute)
Insulation Resistance	1,000MΩ Min
Contact Resistance	40mΩ Max
Dumet wire for CCFL Diameter	φ0.62 +0.02/-0.01mm(φ0.61 ~ φ0.64)
Diameter of CCFL Lamp	φ4.0
Operating Temp.	-25℃ ~ +150℃

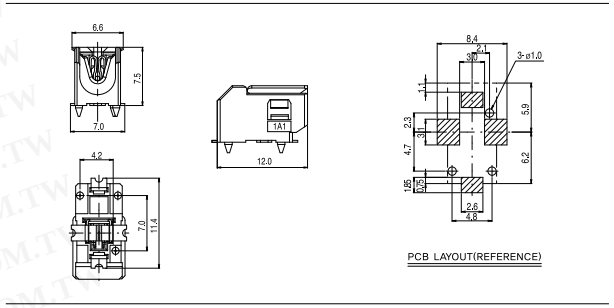
Ordering Information

GP202 — 1S — H75

- GP202: Series
- 1S: No. of Contacts
- H75: Height: 7.5mm

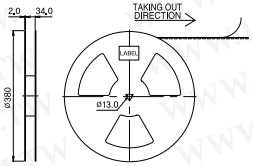
GP202-1S-H75

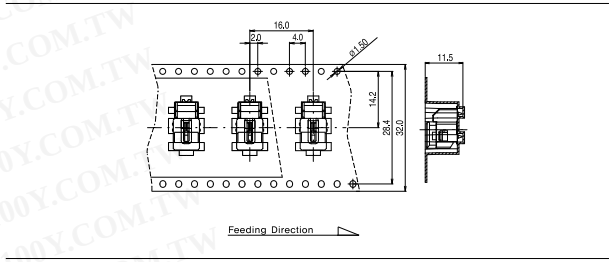




Embossed Tape Assembly

Bobbin





GP204 series

EEFL Lamp Socket Connector for LCD TV Panel BLU



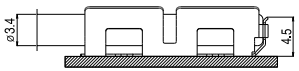
Features

- GP204 Series is SMT Type Connector used for LCD TV Panel BLU (Back Light Unit)
- GP204 Series is a EEFL (External Electrode Fluorescent Lamp) Grip Type with 5.7mm Height
- GP204 Series is contributed to space saving for BLU

Applications

- LCD TV Panel BLU

Mating Diagram



Materials & Finishes

Parts	Materials / Finishes	
Socket	Copper Alloy	Reflow Sn

Specifications

No. of Contacts	1
Current Rating	1Amps/Pin
Voltage Rating	AC, DC 2,000V
Dielectric Withstanding Voltage	AC 3,000V r.m.s(for one minute)
Insulation Resistance	1,000MΩ Min
Contact Resistance	40mΩ Max
Applicable Electrode	Φ3.7
Diameter of EEFL Lamp	Φ3.4
Operating Temp.	-25℃ ~ +150℃

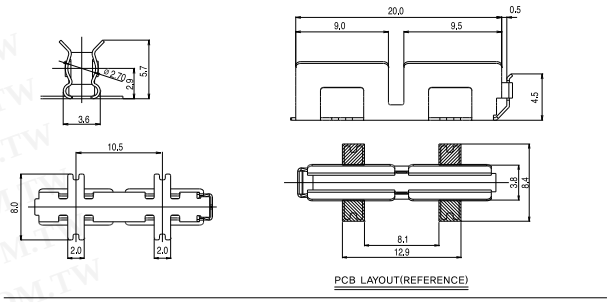
Ordering Information

GP204 — 1S — H57

- GP204: Series
- 1S: No. of Contacts
- H57: Height:5.7mm

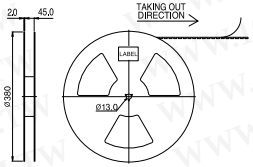
GP204-1S-H57-E1200

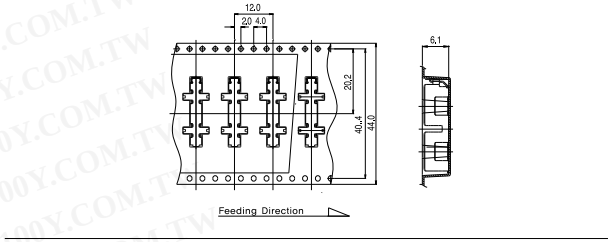




Embossed Tape Assembly

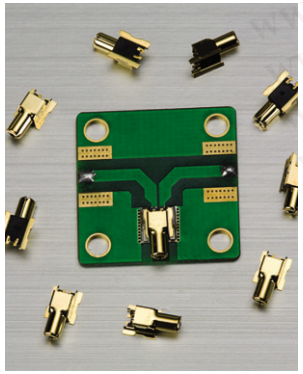
Bobbin





GRS210 series

RF Switch



Features & Applications

- GRS210 series is used for Cellular phone Antenna switching check of microwave Board.
- GRS210 series is a Low Profile Connector with 2.8mm Height capable of SMT automatic installation.

Materials & Finishes

Parts	Materials / Finishes	
Insulator	Heat Resistant Plastic	UL94HB
NC Contact	Copper Alloy	Au Plating
Shell	Copper Alloy	Au Plating
Common Contact	Copper Alloy	Au Plating

Specifications

Operating temperature range	-30℃~+85℃
Power	2W
Frequency Range	DC ~ 2.5 GHz
Insertion Loss	0.6dB Max(DC ~ 2.5GHz)
V.S.W.R	1.2 Max(DC ~ 2.0GHz)
Contact Resistance	Center : 75mΩ Max Outside: 50mΩ Max

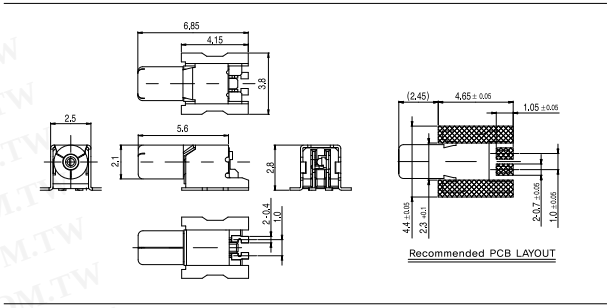
Ordering Information

GRS210 — 2 S — H 28

- GRS210: Series
- 2: No. of Contacts
- S: P:Pin Header, S:Socket Housing
- H 28: Height 2.8㎜

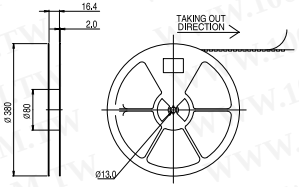
GRS210-2S-H28

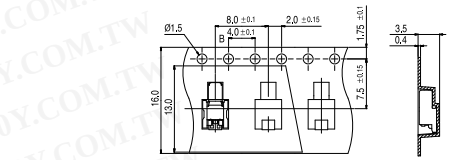




Embossed Tape Assembly

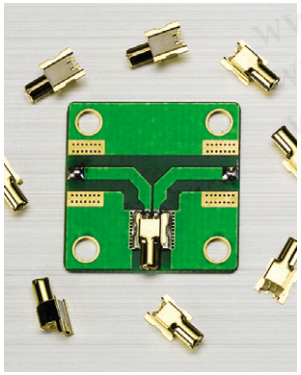
Bobbin





GRS211 series

RF Switch



Features & Applications

- GRS211 series is used for Cellular phone Antenna switching check of microwave Board.
- GRS211 series is a Low Profile Connector with 2.8mm Height capable of SMT automatic installation.

Materials & Finishes

Parts	Materials / Finishes	
Insulator	Heat Resistant Plastic	UL94HB
NC Contact	Copper Alloy	Au Plating
Shell	Copper Alloy	Au Plating
Common Contact	Copper Alloy	Au Plating

Specifications

Operating temperature range	-30℃~+85℃
Power	2W
Frequency Range	DC ~ 2.0 GHz
Insertion Loss	0.6dB Max(DC ~ 2.5GHz)
V.S.W.R	1.2 Max(DC ~ 2.0GHz)
Contact Resistance	Center : 75mΩ Max Outside: 50mΩ Max

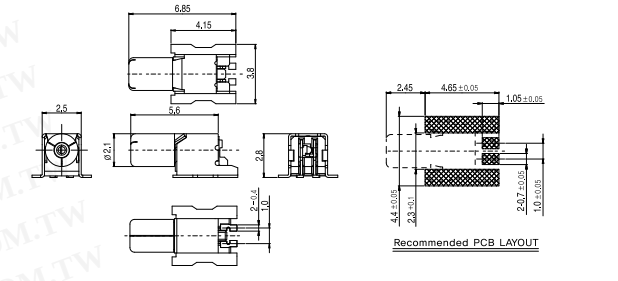
Ordering Information

GRS211 — 2 S — H 28

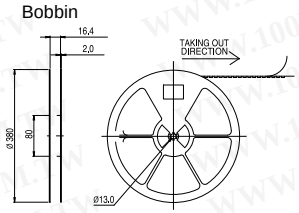
- GRS211: Series
- 2: No. of Contacts
- S: P:Pin Header, S:Socket Housing
- H 28: Height 2.8mm

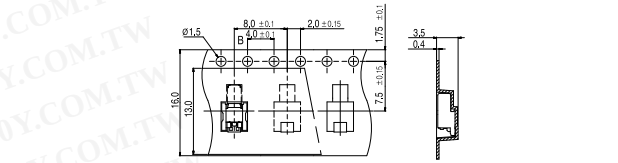
GRS211-2S-H28





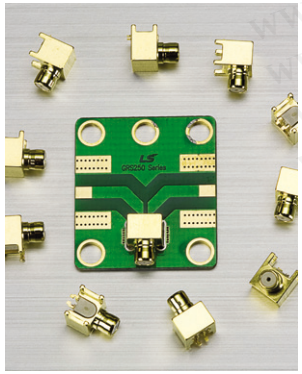
Embossed Tape Assembly





GRS250 series

RF Switch



Features & Applications

- GRS250 series is used for Cellular phone Antenna switching check of microwave Board.
- GRS250 series is a Low Profile Connector with 3.7mm Height capable of SMT automatic installation.

Materials & Finishes

Parts	Materials / Finishes	
Insulator	Heat Resistant Plastic	UL94V-0
NC Contact	Copper Alloy	Au Plating
Shell	Copper Alloy	Au Plating
Common Contact	Copper Alloy	Au Plating

Specifications

Operating temperature range	-30℃~+85℃
Power	2W
Frequency Range	DC ~ 3.0 GHz
Insertion Loss	0.8dB Max(DC ~ 3.0GHz)
V.S.W.R	1.4 Max(DC ~ 3.0GHz)
Contact Resistance	Center : 75mΩ Max Outside: 50mΩ Max

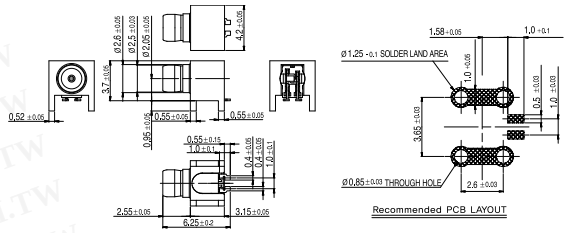
Ordering Information

GRS250 — 2 S — H 37

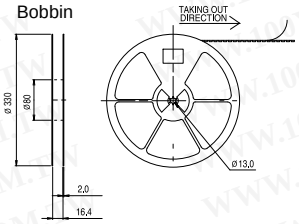
- GRS250: Series
- 2: No. of Contacts
- S: P:Pin Header, S:Socket Housing
- H 37: Height 3.7㎜

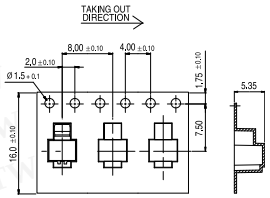
GRS250-2S-H37





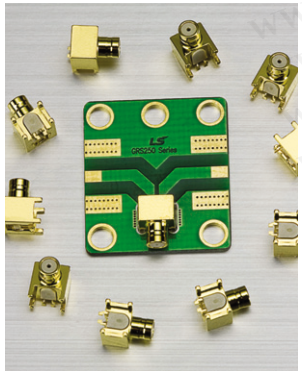
Embossed Tape Assembly





GRS251 series

RF Switch



Features & Applications

- GRS251 series is used for Cellular phone Antenna switching check of microwave Board.
- GRS251 series is a Low Profile Connector with 3.7mm Height capable of SMT automatic installation.

Materials & Finishes

Parts	Materials / Finishes	
Insulator	Heat Resistant Plastic	UL94V-0
NC Contact	Copper Alloy	Au Plating
Shell	Copper Alloy	Au Plating
Common Contact	Copper Alloy	Au Plating

Specifications

Operating temperature range	-30℃~+85℃
Power	2W
Frequency Range	DC ~ 3.0 GHz
Insertion Loss	0.8dB Max(DC ~ 3.0GHz)
V.S.W.R	1.4 Max(DC ~ 3.0GHz)
Contact Resistance	Center : 75mΩ Max Outside: 50mΩ Max

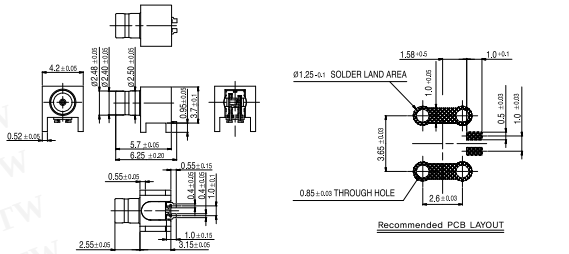
Ordering Information

GRS251 – 2 S – H 37

- GRS251: Series
- 2: No. of Contacts
- S: P:Pin Header, S:Socket Housing
- H 37: Height 3.7㎜

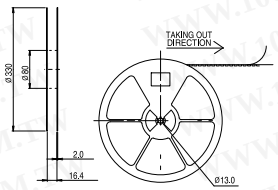
GRS251-2S-H37

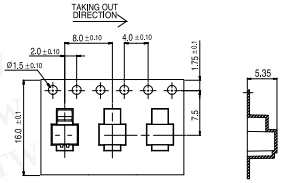




Embossed Tape Assembly

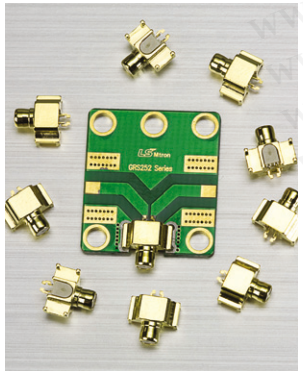
Bobbin





GRS252 series

RF Switch



Features & Applications

- GRS252 series is used for Cellular phone Antenna switching check of microwave Board.
- GRS252 series is a Low Profile Connector with 2.25mm Height capable of SMT automatic installation.

Materials & Finishes

Parts	Materials / Finishes	
Insulator	Heat Resistant Plastic	UL94V-0
NC Contact	Copper Alloy	Au Plating
Shell	Copper Alloy	Au Plating
Common Contact	Copper Alloy	Au Plating

Specifications

Operating temperature range	-30℃~+85℃
Power	2W
Frequency Range	DC ~ 3.0 GHz
Insertion Loss	0.8dB Max(DC ~ 3.0GHz)
V.S.W.R	1.4 Max(DC ~ 3.0GHz)
Contact Resistance	Center : 75mΩ Max Outside: 50mΩ Max

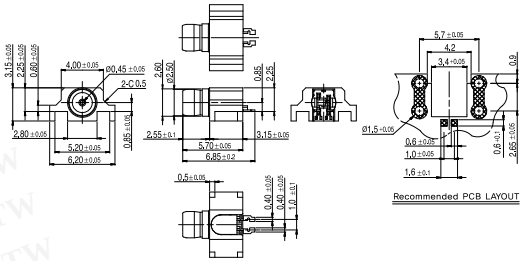
Ordering Information

GRS252 — 2 S — H 23

- GRS252: Series
- 2: No. of Contacts
- S: P:Pin Header, S:Socket Housing
- H 23: Height 2.25㎜

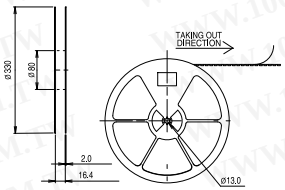
GRS252-2S-H23

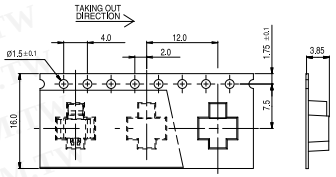




Embossed Tape Assembly

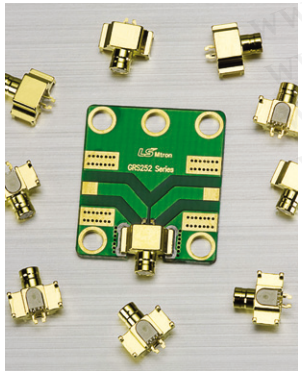
Bobbin





GRS253 series

RF Switch



Features & Applications

- GRS253 series is used for Cellular phone Antenna switching check of microwave Board.
- GRS253 series is a Low Profile Connector with 2.25mm Height capable of SMT automatic installation.

Materials & Finishes

Parts	Materials / Finishes	
Insulator	Heat Resistant Plastic	UL94V-0
NC Contact	Copper Alloy	Au Plating
Shell	Copper Alloy	Au Plating
Common Contact	Copper Alloy	Au Plating

Specifications

Operating temperature range	-30℃~+85℃
Power	2W
Frequency Range	DC ~ 3.0 GHz
Insertion Loss	0.8dB Max(DC ~ 3.0GHz)
V.S.W.R	1.4 Max(DC ~ 3.0GHz)
Contact Resistance	Center : 75mΩ Max Outside: 50mΩ Max

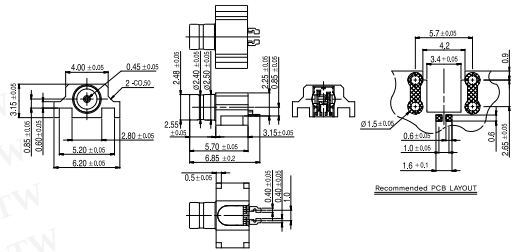
Ordering Information

GRS253 — 2 S — H 23

- GRS253: Series
- 2: No. of Contacts
- S: P:Pin Header, S:Socket Housing
- H 23: Height 2.25㎜

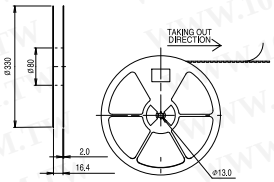
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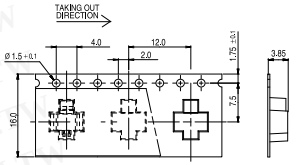




Embossed Tape Assembly

Bobbin





GRS300 series

RF Switch



Features & Applications

- GRS300 series is used for Cellular phone Antenna switching check of microwave Board.
- GRS300 series is a Low Profile Connector with 3.6 Height capable of SMT automatic installation.

Materials & Finishes

Parts	Materials / Finishes	
Insulator	Heat Resistant Plastic	UL94HB
NC Contact	Copper Alloy	Au Plating
Shell	Brass	Au Plating
Common Contact	Beryllium Copper	Au Plating

Specifications

Operating temperature range	-30℃~+85℃
Power	2W
Frequency Range	DC ~ 2.5 GHz
Insertion Loss	0.4dB Max(DC ~ 2GHz) 0.6dB Max(2 ~ 2.5GHz)
V.S.W.R	1.3 Max(DC ~ 2GHz) 1.5 Max(2 ~2.5GHz)
Contact Resistance	Center : 75mΩ Max Outside: 50mΩ Max

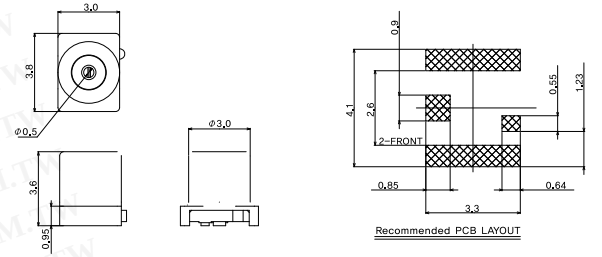
Ordering Information

GRS300 — 2 S — H 36 — *

- GRS300: Series
- 2: No. of Contacts
- S: Contact Type (P:Pin Header, S:Socket Housing)
- H 36: Height 3.6㎜
- *: Modification Code

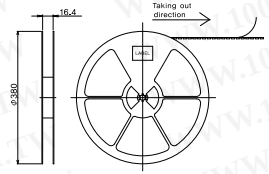
GRS300-H-2S-H36

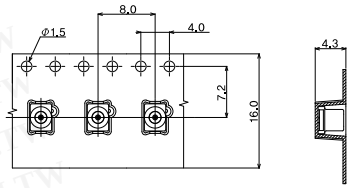




Embossed Tape Assembly

Bobbin

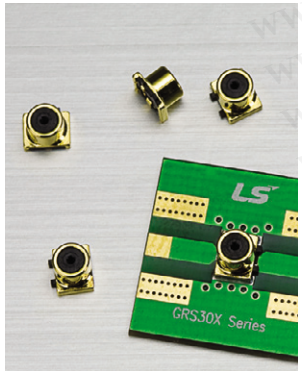




Packing Part Number
GRS300 - 2S - H36 - E3000

GRS301 series

RF Switch



Features & Applications

- GRS301 series is used for Cellular phone Antenna switching check of microwave Board.
- GRS301 series is a Low Profile Connector with 2.6 Height capable of SMT automatic installation.

Materials & Finishes

Parts	Materials / Finishes	
Insulator	Heat Resistant Plastic	UL94HB
NC Contact	Copper Alloy	Au Plating
Shell	Brass	Au Plating
Common Contact	Beryllium Copper	Au Plating

Specifications

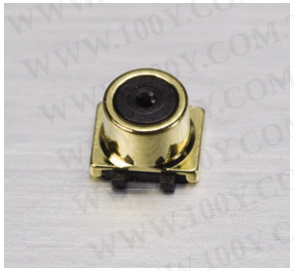
Operating temperature range	-30℃~+85℃
Power	2W
Frequency Range	DC ~ 2.5 GHz
Insertion Loss	0.4dB Max(DC ~ 2GHz) 0.6dB Max(2 ~ 2.5GHz)
V.S.W.R	1.3 Max(DC ~ 2GHz) 1.5 Max(2 ~2.5GHz)
Contact Resistance	Center : 75mΩ Max Outside: 50mΩ Max

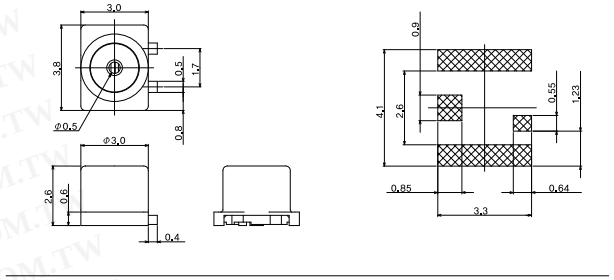
Ordering Information

GRS301 – 2 S – H 26 – *

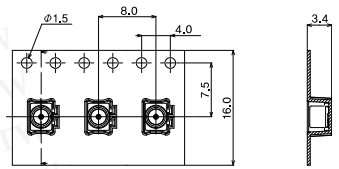
- GRS301: Series
- 2: No. of Contacts
- S: Contact Type P:Pin Header S:Socket Housing
- H 26: Height 2.6㎜
- *: Modification Code

GRS301-2S-H26





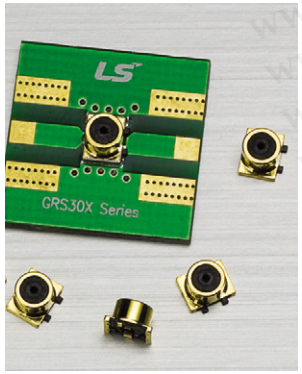
Embossed Tape Assembly



Packing Part Number
GRS301 - 2S - H26 - E3000

GRS302 series

RF Switch



Features & Applications

- GRS302 series is used for Cellular phone Antenna switching check of microwave Board.
- GRS302 series is a Low Profile Connector with 2.2mm Height capable of SMT automatic installation.

Materials & Finishes

Parts	Materials / Finishes	
Insulator	Heat Resistant Plastic	UL94HB
NC Contact	Copper Alloy	Au Plating
Shell	Brass	Au Plating
Common Contact	Copper Alloy	Au Plating

Specifications

Operating temperature range	-30℃~+85℃
Power	2W
Frequency Range	DC ~ 2.5 GHz
Insertion Loss	0.4dB Max(DC ~ 2GHz) 0.6dB Max(2 ~ 2.5GHz)
V.S.W.R	1.3 Max(DC ~ 2GHz) 1.5 Max(2 ~2.5GHz)
Contact Resistance	Center : 75mΩ Max Outside: 50mΩ Max

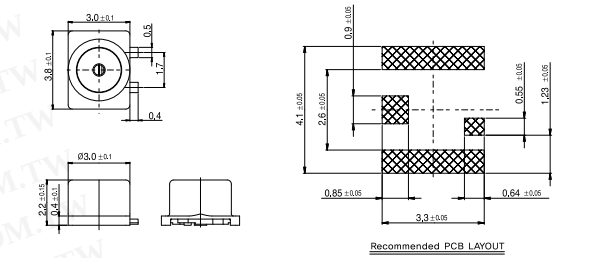
Ordering Information

GRS302 — 2 S — H 22

- GRS302: Series
- 2: No. of Contacts
- S: P:Pin Header, S:Socket Housing
- H 22: Height 2.2㎜

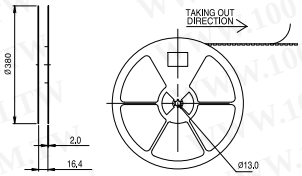
GRS302-2S-H22

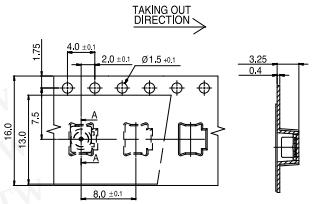




Embossed Tape Assembly

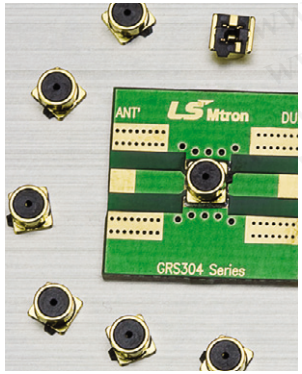
Bobbin





GRS304 series

RF Switch



Features & Applications

- GRS304 series is used for Cellular phone Antenna switching check of microwave Board.
- GRS304 series is a Low Profile Connector with 1.8mm Height capable of SMT automatic installation.

Materials & Finishes

Parts	Materials / Finishes	
Insulator	Heat Resistant Plastic	UL94V-O
NC Contact	Copper Alloy	Au Plating
Shell	Brass	Au Plating
Common Contact	Copper Alloy	Au Plating

Specifications

Operating temperature range	-30℃~+85℃
Power	2W
Frequency Range	DC ~ 2.5 GHz
Insertion Loss	0.4dB Max(DC ~ 2GHz) 0.6dB Max(2 ~ 2.5GHz)
V.S.W.R	1.3 Max(DC ~ 2GHz) 1.5 Max(2 ~2.5GHz)
Contact Resistance	Center : 75mΩ Max Outside: 50mΩ Max

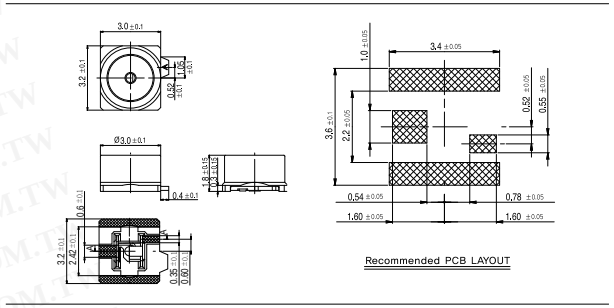
Ordering Information

GRS304 — 2 S — H 18

- GRS304: Series
- 2: No. of Contacts
- S: P:Pin Header, S:Socket Housing
- H 18: Height 1.8㎜

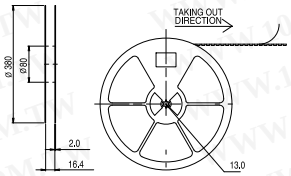
GRS304-2S-H18

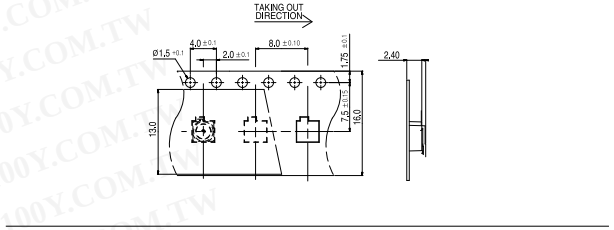




Embossed Tape Assembly

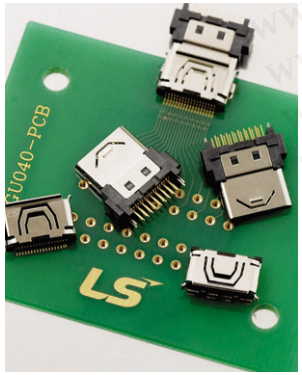
Bobbin





GU040 series

MMI(Multi-Media Interface) Connector for Mobile Phone



Features

- GU040 series is 18 pin, 0.4mm pitch, 2.5mm height
- GU040 series is Compact size contributes to space saving for mobile devices.
- Trumpet structure makes easy insertion.
- As mating, both side(receptacle and plug) of metal shell structure make this product robust and EMI effective.
- Simple lock mechanism prevents the phone from extracting by excessive force.
- 2-point contact(#1, #18 pin) is ground pin for hot swap.
- Hexagonal box shell prevent incorrect insertion thoroughly.

Materials & Finishes

	Parts	Materials / Finishes	
Receptacle	Insulator	Heat Resistant Plastic	UL94V-0
	Contact	Copper Alloy	Au Plating
	Shell	Stainless Steel	Ni Plating

Specifications

No. of Contacts	18
Contact Spacing	0.4mm
Current Rating	0.5A
Voltage Rating	AC, DC 50V
Dielectric Withstanding Voltage	AC 200V r.m.s
Insulation Resistance	1000MΩ
Contact Resistance	80mΩ
Operating Temp.	-40℃ ~ +85℃

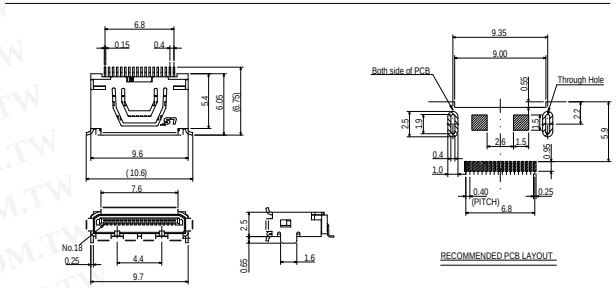
Ordering Information

GU040 — 18 P

- GU040: Series
- 18: No. of Contacts
- P: Contact Type
  - P: Receptacle (Pin Side)
  - S: Plug

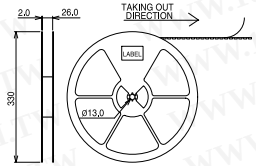
GU040-18P

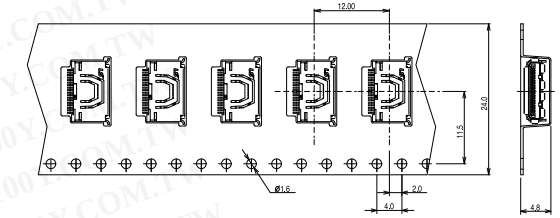




Embossed Tape Assembly

Bobbin

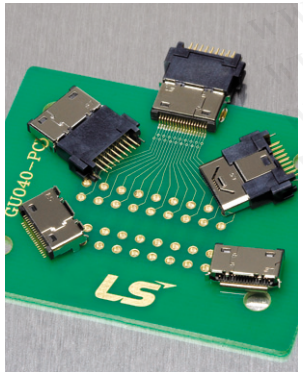




Packing Part Number
GU040 - 18P - E1000

GU041 series

MMI(Multi-Media Interface) Connector for Mobile Phone



Features

- 18 pin, 0.4mm pitch, 2.5mm height, SMT type receptacle connector.
- GU041 is reverse type of GU040 receptacle.
- Compact size contributes to space saving for mobile devices.
- Trumpet structure makes easy insertion.
- Simple lock mechanism prevents the phone from extracting by excessive force.
- 2-point contact(#1, #18 pin) is ground pin for hot swap.
- Hexagonal box shell prevent incorrect insertion thoroughly.
- GU041 plug is suitable for GU040, GU041, GU042 receptacle.

Materials & Finishes

	Parts	Materials / Finishes	
Receptacle	Insulator	Heat Resistant Plastic	UL94V-0
	Contact	Copper Alloy	Au Plating
	Shell	Stainless Steel	Ni Plating
Plug	Insulator	Heat Resistant Plastic	UL94V-0
	Contact	Copper Alloy	Au Plating
	Shell	Stainless Steel	Ni Plating

Specifications

No. of Contacts	18
Contact Spacing	0.4mm
Current Rating	0.5A
Voltage Rating	AC, DC 50V
Dielectric Withstanding Voltage	AC 200V r.m.s
Insulation Resistance	1000MΩ
Contact Resistance	80mΩ
Operating Temp.	-40℃ ~ +85℃

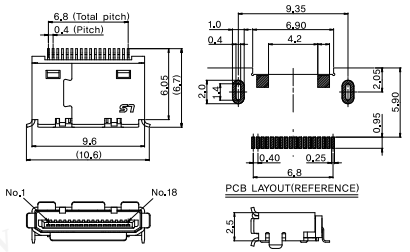
Ordering Information

GU041 – 18 P

- GU041: Series
- 18: No. of Contacts
- P: Contact Type
  P: Receptacle (Pin Side)
  S: Plug

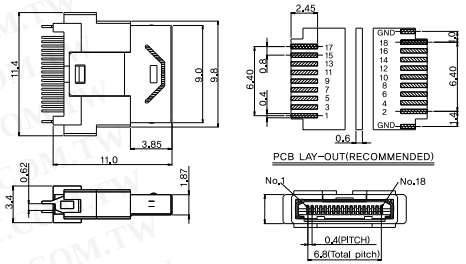
GU041-18P





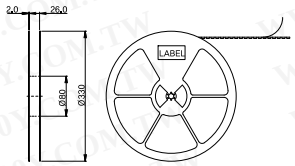
GU041-18S

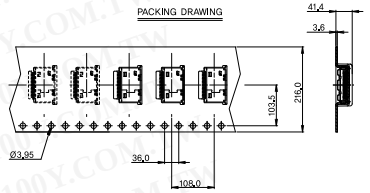




Embossed Tape Assembly

Bobbin

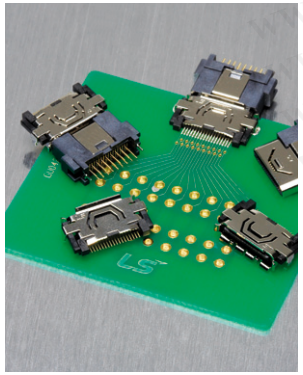




Packing Part Number
GU041 - 18P - E1000

GU042 series

MMI(Multi-Media Interface) Connector for Mobile Phone



Features

- 18 pin, 0.4mm pitch, 2.5mm height, SMT type receptacle connector.
- GU042 series Off-set type of GU040 receptacle. (Off-set dimension: 1.25mm)
- Compact size contributes to space saving for mobile devices.
- Trumpet structure makes easy insertion.
- Simple lock mechanism prevents the phone from extracting by excessive force.
- 2-point contact(#1, #18 pin) is ground pin for hot swap.
- Hexagonal box shell prevent incorrect insertion thoroughly.

Materials & Finishes

	Parts	Materials / Finishes	
Receptacle	Insulator	Heat Resistant Plastic	UL94V-0
	Contact	Copper Alloy	Au Plating
	Shell	Stainless Steel	Ni Plating

Specifications

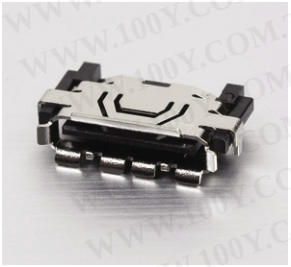
No. of Contacts	18
Contact Spacing	0.4mm
Current Rating	0.5A
Voltage Rating	AC, DC 50V
Dielectric Withstanding Voltage	AC 200V r.m.s
Insulation Resistance	1000MΩ
Contact Resistance	80mΩ
Operating Temp.	-40℃ ~ +85℃

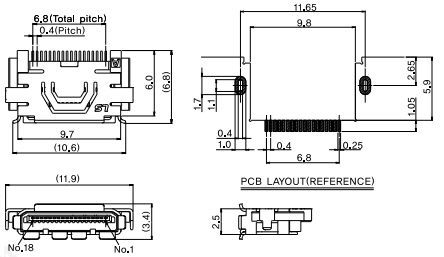
Ordering Information

GU042 – 18 P

- GU042: Series
- 18: No. of Contacts
- P: Contact Type (P: Receptacle (Pin Side))

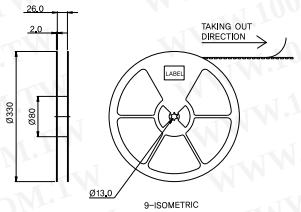
GU042-18P

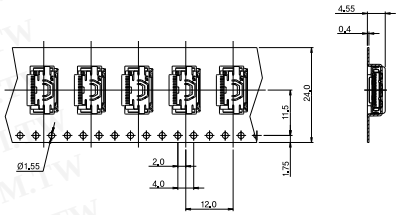




Embossed Tape Assembly

Bobbin

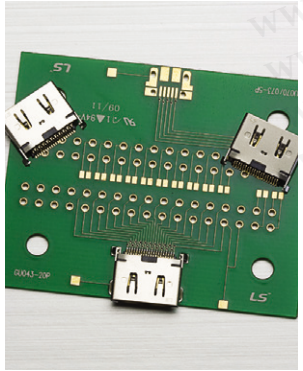




Packing Part Number
GU042 - 18P - E1000

GU043 series

MMI(Multi-Media Interface) Connector for Mobile Phone



Features

- 20pin, 0.4mm pitch, 2.6mm height, SMT Type receptacle connector
- GU043 Series is standard type of TTA Series.
- GU043 Series covers the requirements for TTA new standards.
- GU043 Series have double array contact structure, so that it can improve contact stability.
- Compact size contributes to space saving for mobile devices.
- Simple lock mechanism prevents the phone from extracting by excessive force.
- Hexagonal box shell prevent incorrect insertion thoroughly.

Materials & Finishes

	Parts	Materials / Finishes	
Receptacle	Insulator	Heat Resistant Plastic	UL94V-0
	Contact	Copper Alloy	Au Plating
	Shell	Stainless Steel	Ni Plating
Plug	Insulator	Heat Resistant Plastic	UL94V-0
	Contact	Copper Alloy	Au Plating
	Shell	Stainless Steel	Ni Plating

Specifications

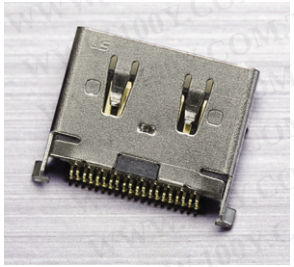
No. of Contacts	20
Contact Spacing	0.4mm
Current Rating	0.5A
Voltage Rating	AC, DC 50V
Dielectric Withstanding Voltage	AC 300V r.m.s
Insulation Resistance	1000MΩ
Contact Resistance	50mΩ
Operating Temp.	-40℃ ~ +85℃

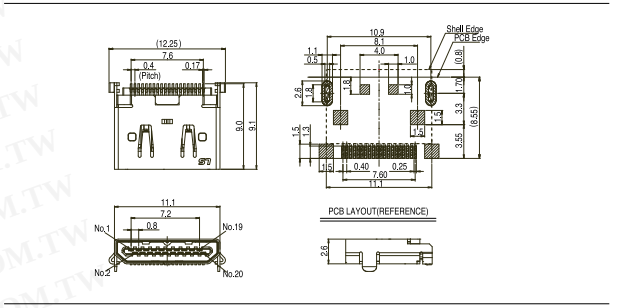
Ordering Information

GU043 — 20 P

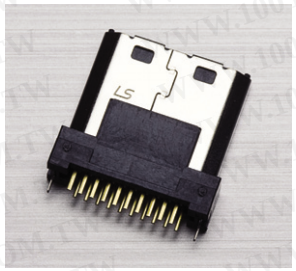
- GU043: Series
- 20: No. of Contacts
- P: Contact Type
  - P: Receptacle (Pin Side)
  - S: Plug

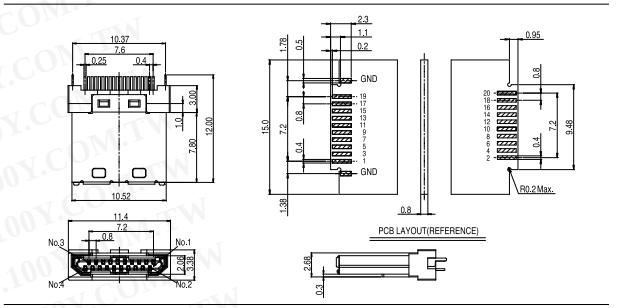
GU043-20P





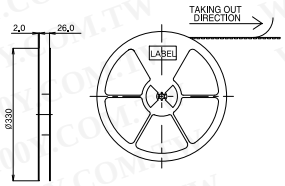
GU043-20S-L

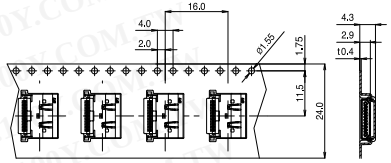




Embossed Tape Assembly

Bobbin

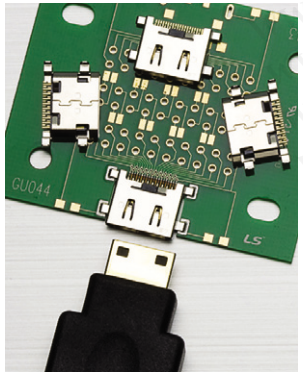




Packing Part Number
GU043 - 20P - E1000

GU044 series

MMI(Multi-Media Interface) Connector for Mobile Phone



Features

- 20pin, 0.4mm pitch, 2.6mm height, SMT Type receptacle connector
- GU044 Series is off-set type of TTA Series.
- GU044 Series covers the requirements for TTA new standards.
- GU044 Series have double array contact structure, so that it can improve contact stability.
- Compact size contributes to space saving for mobile devices.
- Simple lock mechanism prevents the phone from extracting by excessive force.
- Hexagonal box shell prevent incorrect insertion thoroughly.

Materials & Finishes

	Parts	Materials / Finishes	
Receptacle	Insulator	Heat Resistant Plastic	UL94V-0
	Contact	Copper Alloy	Au Plating
	Shell	Stainless Steel	Ni Plating

Specifications

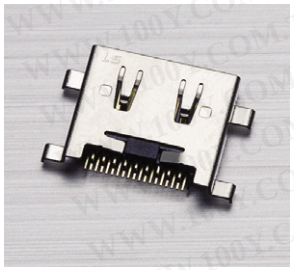
No. of Contacts	20
Contact Spacing	0.4mm
Current Rating	0.5A
Voltage Rating	AC, DC 50V
Dielectric Withstanding Voltage	AC 300V r.m.s
Insulation Resistance	1000MΩ
Contact Resistance	50mΩ
Operating Temp.	-40℃ ~ +85℃

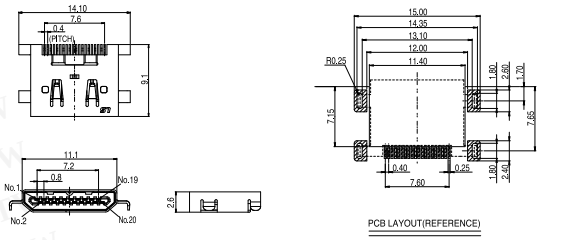
Ordering Information

GU044 — 20 P — SD

- GU044: Series
- 20: No. of Contacts
- P: Contact Type (P: Receptacle (Pin Side), S: Plug)
- SD: Shell Type

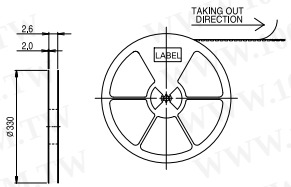
GU044-20P-SD

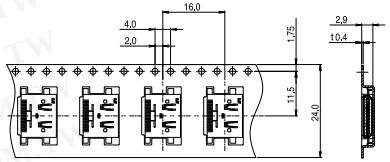




Embossed Tape Assembly

Bobbin

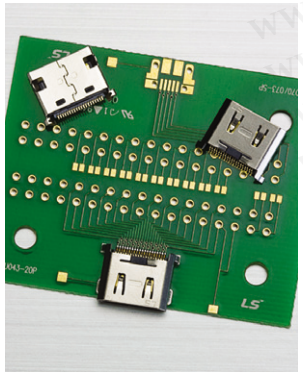




Packing Part Number
GU043 - 20P - SD - E1000 - E1000

GU045 series

MMI(Multi-Media Interface) Connector for Mobile Phone



Features

- 20pin, 0.4mm pitch, 2.6mm height, SMT Type receptacle connector
- GU045 Series is reverse type of TTA Series.
- GU045 Series covers the requirements for TTA new standards.
- GU045 Series have double array contact structure, so that it can improve contact stability.
- Compact size contributes to space saving for mobile devices.
- Simple lock mechanism prevents the phone from extracting by excessive force.
- Hexagonal box shell prevent incorrect insertion thoroughly.

Materials & Finishes

	Parts	Materials / Finishes	
Receptacle	Insulator	Heat Resistant Plastic	UL94V-0
	Contact	Copper Alloy	Au Plating
	Shell	Stainless Steel	Ni Plating

Specifications

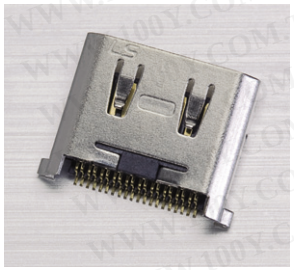
No. of Contacts	20
Contact Spacing	0.4mm
Current Rating	0.5A
Voltage Rating	AC, DC 50V
Dielectric Withstanding Voltage	AC 300V r.m.s
Insulation Resistance	1000MΩ
Contact Resistance	50mΩ
Operating Temp.	-40℃ ~ +85℃

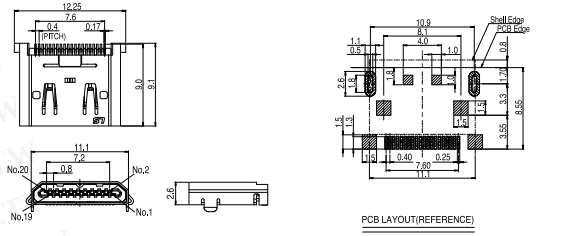
Ordering Information

GU045 — 20 P

- GU045: Series
- 20: No. of Contacts
- P: Contact Type
  - P: Receptacle (Pin Side)
  - S: Plug

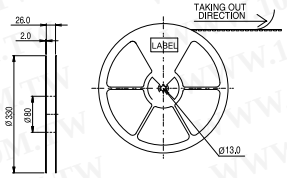
GU045-20P

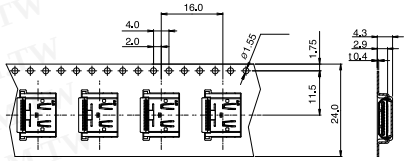




Embossed Tape Assembly

Bobbin

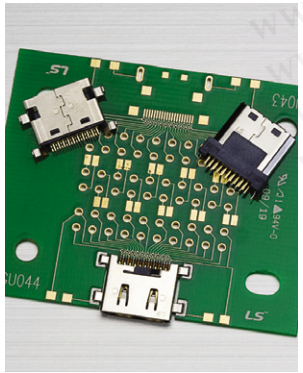




Packing Part Number
GU045 - 20P - E1000

GU046 series

MMI(Multi-Media Interface) Connector for Mobile Phone



Features

- 20pin, 0.4mm pitch, 2.6mm height, SMT Type receptacle connector
- GU046 Series is reverse off-set type of TTA Series.
- GU046 Series covers the requirements for TTA new standards.
- GU046 Series have double array contact structure, so that it can improve contact stability.
- Compact size contributes to space saving for mobile devices.
- Simple lock mechanism prevents the phone from extracting by excessive force.
- Hexagonal box shell prevent incorrect insertion thoroughly.

Materials & Finishes

	Parts	Materials / Finishes	
Receptacle	Insulator	Heat Resistant Plastic	UL94V-0
	Contact	Copper Alloy	Au Plating
	Shell	Stainless Steel	Ni Plating

Specifications

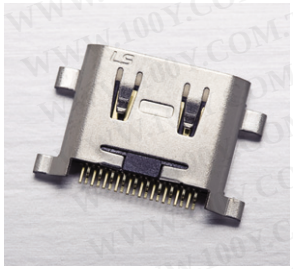
No. of Contacts	20
Contact Spacing	0.4mm
Current Rating	0.5A
Voltage Rating	AC, DC 50V
Dielectric Withstanding Voltage	AC 300V r.m.s
Insulation Resistance	1000MΩ
Contact Resistance	50mΩ
Operating Temp.	-40℃ ~ +85℃

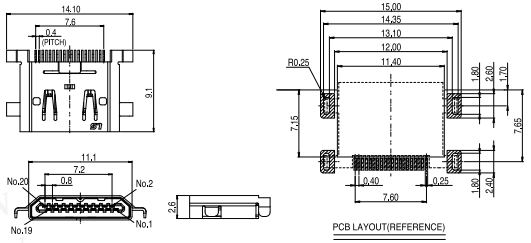
Ordering Information

GU046 — 20 P — SD

- GU046: Series
- 20: No. of Contacts
- P: Contact Type (P: Receptacle (Pin Side), S: Plug)
- SD: Shell Type

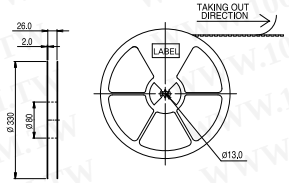
GU046-20P

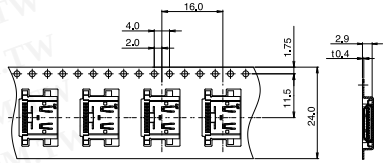




Embossed Tape Assembly

Bobbin

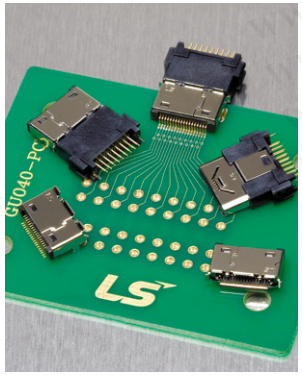




Packing Part Number
GU046 - 20P - SD

GU048 series

MMI(Multi-Media Interface) Connector for Mobile Phone



Features

- 18pin, 0.4mm pitch, SMT Type receptacle connector
- GU048 Series is variation model of GU041 receptacle. (added support plate)
- GU048 Series is compact size contributes to space saving for mobile devices.
- Simple lock mechanism prevents the phone from extracting by excessive force.
- Hexagonal box shell prevent incorrect insertion thoroughly.
- #1 and #18 Pin is ground pin for hot swap.

Materials & Finishes

	Parts	Materials / Finishes	
Receptacle	Insert Molding	Heat Resistant Plastic	UL94V-0
	Contact	Copper Alloy	Au Plating
	Shell	Stainless Steel	Ni Plating
	Support Plate	Stainless Steel	-

Specifications

No. of Contacts	18
Contact Spacing	0.4mm
Current Rating	0.5A
Voltage Rating	AC, DC 50V
Dielectric Withstanding Voltage	AC 200V r.m.s
Insulation Resistance	1000MΩ
Contact Resistance	80mΩ
Operating Temp.	-25℃ ~ +70℃

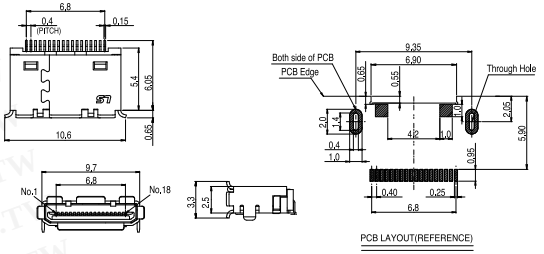
Ordering Information

GU048 — 18 P

- GU048: Series
- 18: No. of Contacts
- P: Contact Type
  - P: Receptacle (Pin Side)
  - S: Plug

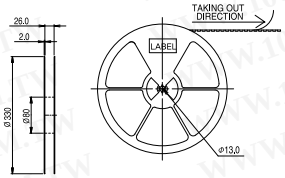
GU048-18P

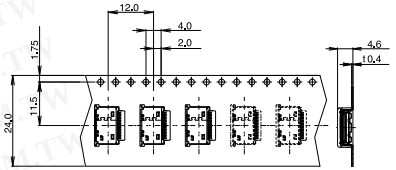




Embossed Tape Assembly

Bobbin

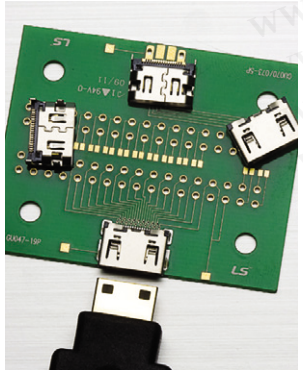




Packing Part Number
GU048 - 18P - E1000

GU047 series

HDMI(High-Definition Multimedia Interface) Connector



Features

- 19pin, 0.4mm pitch, SMT Type receptacle connector
- GU047 Series is 'C' Type of HDMI Series.
- GU047 Series covers the requirements for HDMI standards.
- Simple lock mechanism prevents the phone from extracting by excessive force.
- Hexagonal box shell prevent incorrect insertion thoroughly.

Materials & Finishes

	Parts	Materials / Finishes	
Receptacle	Insert Molding	Heat Resistant Plastic	UL94V-0
	Contact	Copper Alloy	Au Plating
	Shell	Stainless Steel	Ni Plating
	Support Plate	Stainless Steel	-

Specifications

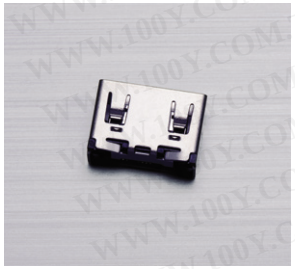
No. of Contacts	19
Contact Spacing	0.4mm
Current Rating	0.5A
Voltage Rating	AC 40V
Dielectric Withstanding Voltage	AC 300V r.m.s
Insulation Resistance	100MΩ
Contact Resistance	10mΩ
Operating Temp.	-25℃ ~ +70℃

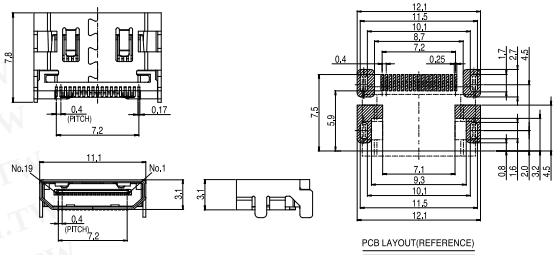
Ordering Information

GU047 — 19 P

- GU047: Series
- 19: No. of Contacts
- P: Contact Type
  P: Receptacle (Pin Side)
  S: Plug

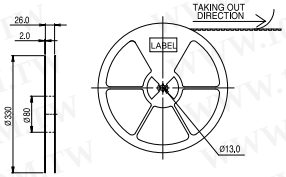
GU047-19P-P

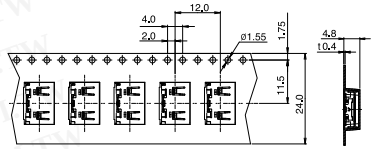




Embossed Tape Assembly

Bobbin

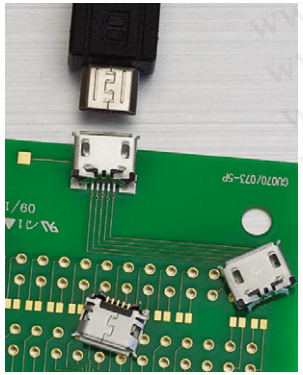




Packing Part Number
GU047 - 19P - E1000

GU070 series

Micro-USB Connector for Mobile Phone



Features

- 5pin, 0.65mm pitch, SMT Type receptacle connector
- GU070 series is 'B' type of Micro-USB series.
- GU070 series covers the requirements for Micro-USB standard.
- GU070 Series is compact size contributes to space saving for mobile devices.
- Simple lock mechanism prevents the phone from extracting by excessive force.
- Hexagonal box shell prevent incorrect insertion thoroughly.

Materials & Finishes

	Parts	Materials / Finishes	
Receptacle	Insert Molding	Heat Resistant Plastic	UL94V-0
	Contact	Copper Alloy	Au Plating
	Shell	Stainless Steel	Ni Plating

Specifications

No. of Contacts	5
Contact Spacing	0.65mm
Current Rating ' Signal contact only	0.5A (Contact No. 2,3 and 4)
' With power applied contact	1.8A (Contact No. 1 and 5)
Voltage Rating	AC 30V
Dielectric Withstanding Voltage	AC 100V r.m.s
Insulation Resistance	1000MΩ
Contact Resistance	30mΩ
Operating Temp.	-30℃ ~ +85℃

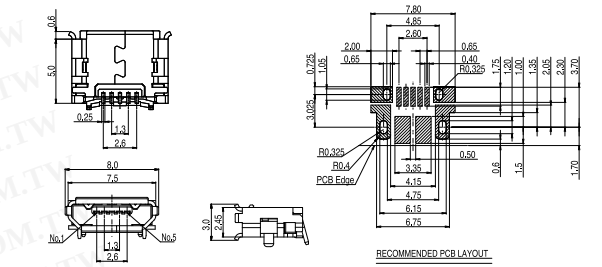
Ordering Information

GU070 — 5 P — SD

- GU070: Series
- 5: No. of Contacts
- P: Contact Type (P: Receptacle (Pin Side), S: Plug)
- SD: Shell Type

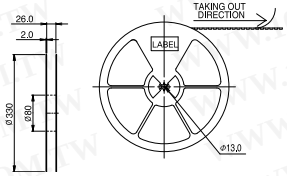
GU070-5P-P

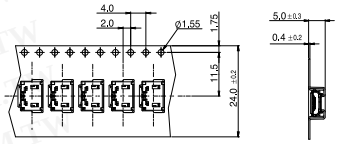




Embossed Tape Assembly

Bobbin

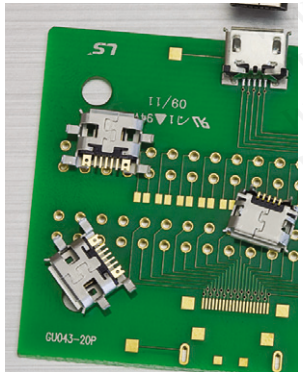




Packing Part Number
GU070 - 5P - SD - E1500

GU071 series

Micro-USB Connector for Mobile Phone



Features

- 5pin, 0.65mm pitch, SMT Type receptacle connector
- GU071 series is 'B' type of Micro-USB series.
- GU071 Series is off-set type of Micro-USB series.
- GU071 series covers the requirements for Micro-USB standard.
- GU071 Series is compact size contributes to space saving for mobile devices.
- Simple lock mechanism prevents the phone from extracting by excessive force.
- Hexagonal box shell prevent incorrect insertion thoroughly.

Materials & Finishes

	Parts	Materials / Finishes	
Receptacle	Insert Molding	Heat Resistant Plastic	UL94V-0
	Contact	Copper Alloy	Au Plating
	Shell	Stainless Steel	Ni Plating

Specifications

No. of Contacts	5
Contact Spacing	0.65mm
Current Rating ⁞ Signal contact only	0.5A (Contact No. 2,3 and 4)
⁞ With power applied contact	1.8A (Contact No. 1 and 5)
Voltage Rating	AC 30V
Dielectric Withstanding Voltage	AC 100V r.m.s
Insulation Resistance	1000MΩ
Contact Resistance	30mΩ
Operating Temp.	-30℃ ~ +85℃

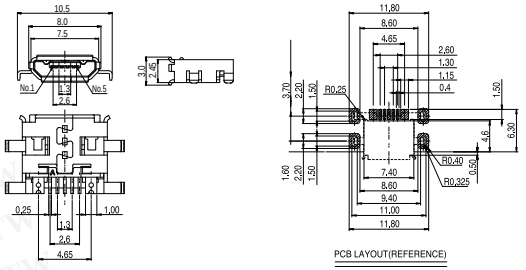
Ordering Information

GU071 — 5 P — SD

- GU071: Series
- 5: No. of Contacts
- P: Contact Type (P: Receptacle (Pin Side), S: Plug)
- SD: Shell Type

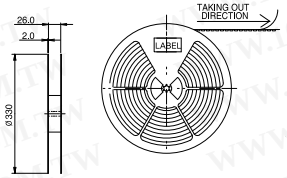
GU071-5P-SD

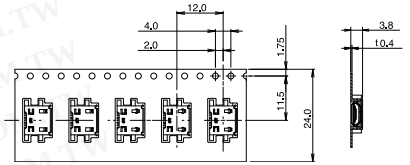




Embossed Tape Assembly

Bobbin

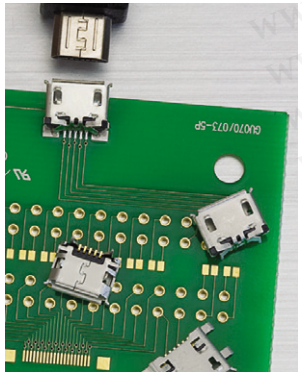




Packing Part Number
GU071 - 5P - SD - E1500

GU073 series

Micro-USB Connector for Mobile Phone



Features

- 5pin, 0.65mm pitch, SMT Type receptacle connector
- GU073 series is 'B' type of Micro-USB series.
- GU073 series is variation model of GU070 receptacle. (added support plate)
- GU073 series covers the requirements for Micro-USB standard.
- GU073 Series is compact size contributes to space saving for mobile devices.
- Simple lock mechanism prevents the phone from extracting by excessive force.
- Hexagonal box shell prevent incorrect insertion thoroughly.

Materials & Finishes

	Parts	Materials / Finishes	
Receptacle	Insert Molding	Heat Resistant Plastic	UL94V-0
	Contact	Copper Alloy	Au Plating
	Shell	Stainless Steel	Ni Plating
	Support Plate	Stainless Steel	-

Specifications

No. of Contacts	5
Contact Spacing	0.65mm
Current Rating ' Signal contact only	0.5A (Contact No. 2,3 and 4)
' With power applied contact	1.8A (Contact No. 1 and 5)
Voltage Rating	AC 30V
Dielectric Withstanding Voltage	AC 100V r.m.s
Insulation Resistance	1000MΩ
Contact Resistance	30mΩ
Operating Temp.	-30℃ ~ +85℃

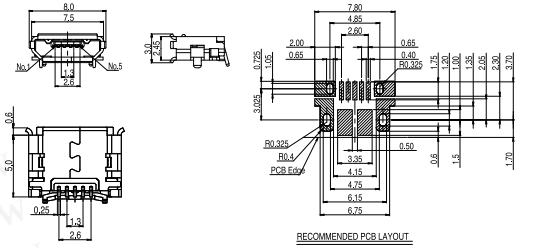
Ordering Information

GU073 — 5 P — SD

- GU073: Series
- 5: No. of Contacts
- P: Contact Type (P: Receptacle (Pin Side), S: Plug)
- SD: Shell Type

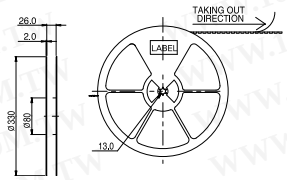
GU073-5P-SD

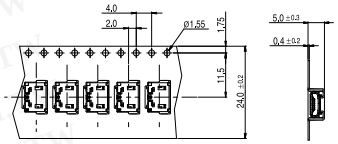




Embossed Tape Assembly

Bobbin

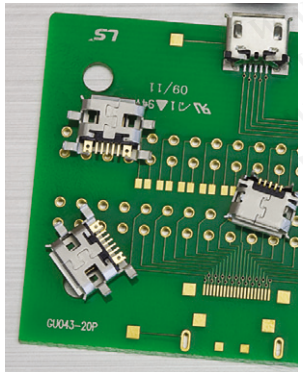




Packing Part Number
GU073 - 5P - SD - E1500

GU074 series

Micro-USB Connector for Mobile Phone



Features

- 5pin, 0.65mm pitch, SMT Type receptacle connector
- GU074 series is 'B' type of Micro-USB series.
- GU074 series is variation model of GU071 receptacle. (added support plate)
- GU074 series covers the requirements for Micro-USB standard.
- GU074 Series is compact size contributes to space saving for mobile devices.
- Simple lock mechanism prevents the phone from extracting by excessive force.
- Hexagonal box shell prevent incorrect insertion thoroughly.

Materials & Finishes

	Parts	Materials / Finishes	
Receptacle	Insert Molding	Heat Resistant Plastic	UL94V-0
	Contact	Copper Alloy	Au Plating
	Shell	Stainless Steel	Ni Plating
	Support Plate	Stainless Steel	-

Specifications

No. of Contacts	5
Contact Spacing	0.65mm
Current Rating ' Signal contact only	0.5A (Contact No. 2,3 and 4)
' With power applied contact	1.8A (Contact No. 1 and 5)
Voltage Rating	AC 30V
Dielectric Withstanding Voltage	AC 100V r.m.s
Insulation Resistance	1000MΩ
Contact Resistance	30mΩ
Operating Temp.	-30℃ ~ +85℃

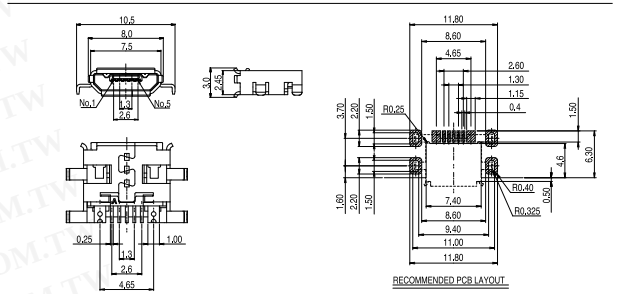
Ordering Information

GU074 — 5 P — SD

- GU074: Series
- 5: No. of Contacts
- P: Contact Type (P: Receptacle (Pin Side), S: Plug)
- SD: Shell Type

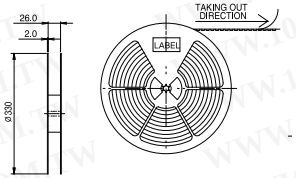
GU074-5P-SD

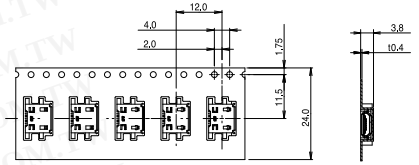




Embossed Tape Assembly

Bobbin

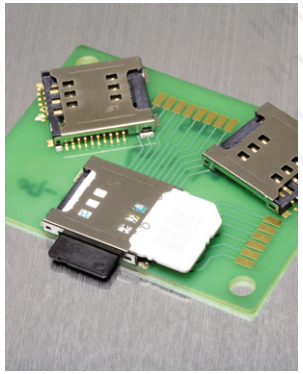




Packing Part Number
GU074 - 5P - SD - E1500

GCD01 series

Memory Card Connector for microSD+SIM card



Features & Applications

- GCD01 Series is a card socket connector that can accommodate microSD and SIM card simultaneously.
- microSD(Push-push, reverse type) + SIM(Sliding type, 6pin)
- Separate Detect switch for microSD card recognition
- Metal shell and integral solder tabs provides ESD protection and grounding support.

Materials & Finishes

Parts	Materials / Finishes	
Cover Shell	Stainless Steel	Ni
Bottom shell, Guide pin, Lock pin	Stainless Steel	-
Signal Contact, Detect Contact	Copper alloy	Au/Ni
Slider, Body	Engineering Plastic	Black(UL94V-0)
Spring	SWP	Ni

Specifications

Rated Current	DC 0.5A / 1pin
Rated voltage	DC 7.0V
Dielectric Withstanding Voltage	500V AC for 1 min
Contact Resistance	Signal contact : Max. 100mΩ Detection contact : Max. 150mΩ
Insulation Resistance	1000ß Min. (initial value)
Ambient Temperature Range	- 25℃ ~ 85℃
Applicable memory card	microSDTM card + SIM Card

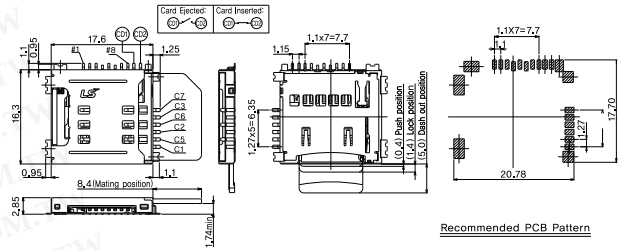
Ordering Information

GCD01 — 14 S — E 900

- GCD01: Series
- 14: No. of Contacts
- 900: 900EA/reel

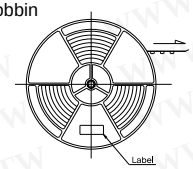
GCD01-14S

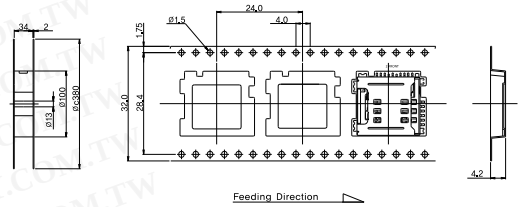




Embossed Tape Assembly

Bobbin

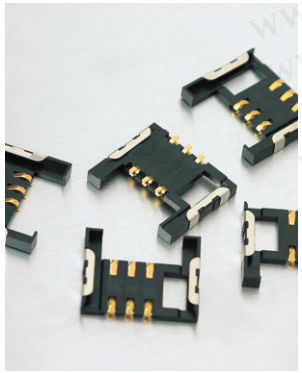




Packing Part Number
GCD01 - 14S - E900

GCA263 series

SIM Card Connector



Features

- GCA263 series is 2.54mm Pitch, SMT type Connector used for SIM Card.
- GCA263 series is a Guide type Connector with High reliability Contact Structure.
- GCA263 series is used for SIM Card Connector of GSM method cellular phone.

Materials & Finishes

Parts	Materials / Finishes	
Insulator	Heat Resistant Plastic	UL94V-0
Contact	Copper Alloy	Au/Ni
Guide	Stainless Steel	Ni Plating

Specifications

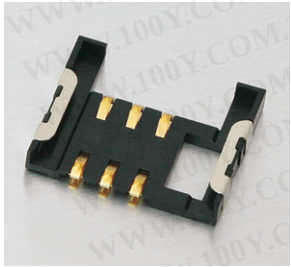
No. of Contacts	6, 8
Contact Spacing	2.54mm
Current Rating	0.5Amps/Pin
Voltage Rating	AC 30Vr.m.s
Dielectric Withstanding Voltage	AC 200V r.m.s(for one minute)
Insulation Resistance	1000MΩ
Contact Resistance	40mΩ
Operating Temp.	-25℃ ~ +85℃

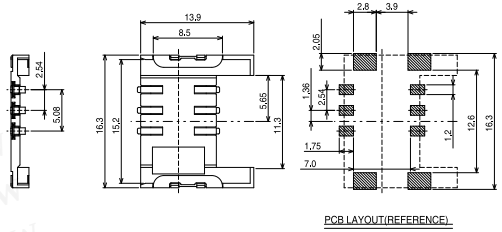
Ordering Information

GCA263 — 6S — H22

- GCA263: Series
- 6S: No. of Contacts S:Socket housing
- H22: H22:height 2.2mm H24:height 2.4mm H27:height 2.7mm

GCA263-6S-H22

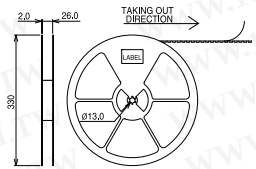


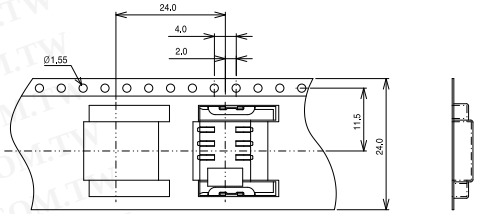


PCB LAYOUT(REFERENCE)

Embossed Tape Assembly

Bobbin





GCA264 series

SIM Card Connector



Features

- GCA264 series is 2.54mm Pich, SMT type Connector used for SIM Card.
- GCA264 series a Bridge type Connector with High Reliability Contact Structure.
- GCA264 series is used for SIM Card Connector of GSM method cellular phone.

Materials & Finishes

Parts	Materials / Finishes	
Insulator	Heat Resistant Plastic	UL94V-O
Contact	Copper Alloy	Au/Ni
Bridge	Stainless Steel	Ni Plating

Specifications

No. of Contacts	6, 8
Contact Spacing	2.54mm
Current Rating	0.5Amps/Pin
Voltage Rating	AC 30Vr.m.s
Dielectric Withstanding Voltage	AC 200V r.m.s(for one minute)
Insulation Resistance	1000MΩ
Contact Resistance	40mΩ
Operating Temp.	-25℃ ~ +85℃

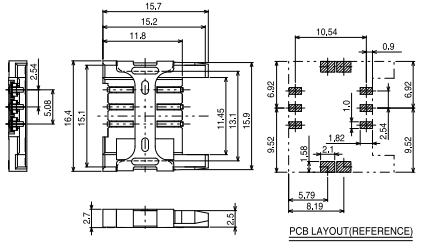
Ordering Information

GCA264 — 6S — H27

- GCA264: Series
- 6S: No. of Contacts S:Socket housing
- H27: H24:height 2.4mm H25:height 2.5mm H27:height 2.7mm H29:height 2.9mm

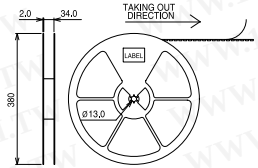
GCA264-6S-H27

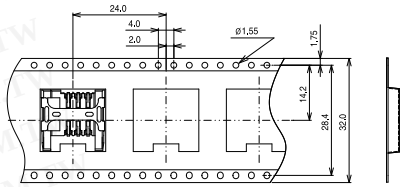




Embossed Tape Assembly

Bobbin





GCA265 series

SIM Card Connector



Features

- GCA265 series is 2.54mm Pitch, SMT type Connector used for SIM Card.
- GCA265 series is a Bridge Block type Connector with High reliability Contact Structure.
- GCA265 series is used for SIM Card Connector of GSM method cellular phone.

Materials & Finishes

Parts	Materials / Finishes	
Insulator	Heat Resistant Plastic	UL94V-0
Contact	Copper Alloy	Au/Ni
Bridge	Stainless Steel	Ni Plating

Specifications

No. of Contacts	6, 8
Contact Spacing	2.54mm
Current Rating	0.5Amps/Pin
Voltage Rating	AC 30Vr.m.s
Dielectric Withstanding Voltage	AC 200V r.m.s(for one minute)
Insulation Resistance	1000MΩ
Contact Resistance	40mΩ
Operating Temp.	-25℃ ~ +85℃

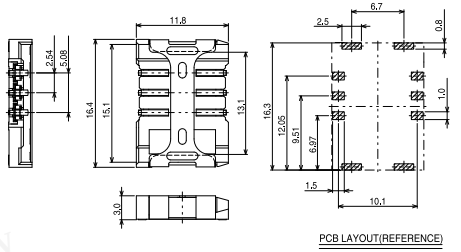
Ordering Information

GCA265 – 6S – H30

- GCA265: Series
- 6S: No. of Contacts S:Socket housing
- H30: H25:height 2.5mm H27:height 2.7mm H30:height 3.0mm

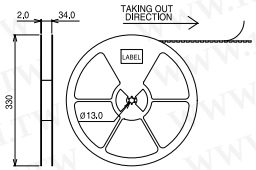
GCA265-6S-H30

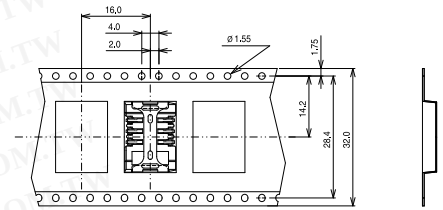




Embossed Tape Assembly

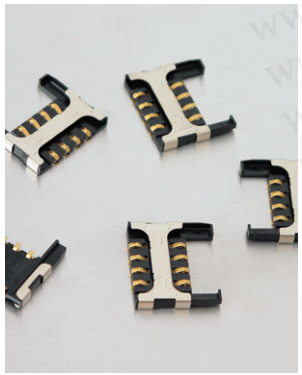
Bobbin





GCA266 series

SIM Card Connector



Features

- GCA266 series is 2.54mm Pitch, SMT type Connector used for SIM Card.
- GCA266 series a Bridge type Connector with High reliability Contact Structure.
- GCA266 series is used for SIM Card Connector of GSM method cellular phone.

Materials & Finishes

Parts	Materials / Finishes	
Insulator	Heat Resistant Plastic	UL94V-0
Contact	Copper Alloy	Au/Ni
Bridge	Stainless Steel	Ni Plating

Specifications

No. of Contacts	6, 8
Contact Spacing	2.54mm
Current Rating	0.5Amps/Pin
Voltage Rating	AC 30Vr.m.s
Dielectric Withstanding Voltage	AC 200V r.m.s(for one minute)
Insulation Resistance	1000MΩ
Contact Resistance	40mΩ
Operating Temp.	-25℃ ~ +85℃

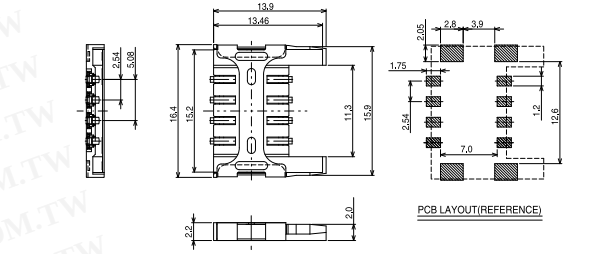
Ordering Information

GCA266 — 8S — H22

- GCA266: Series
- 8S: No. of Contacts S:Socket housing
- H22: height 2.2mm

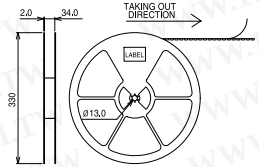
GCA266-8S-H22

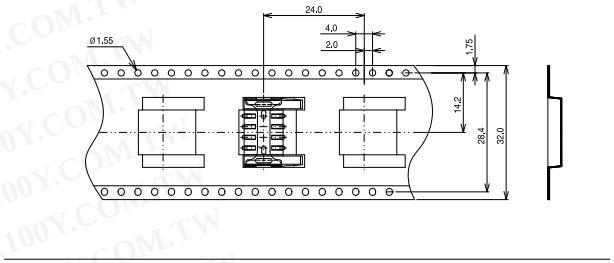




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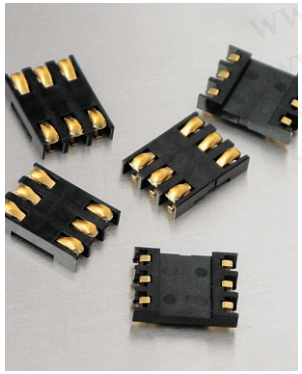
Bobbin





GCA267 series

SIM Card Connector



Features

- GCA267 series is 2.54mm Pitch, SMT type Connector used for SIM Card.
- GCA267 series is a Block type Connector with High reliability Contact Structure.
- GCA267 series is used for SIM Card Connector of GSM method cellular phone.

Materials & Finishes

Parts	Materials / Finishes	
Insulator	Heat Resistant Plastic	UL94V-0
Contact	Copper Alloy	Au/Ni

Specifications

No. of Contacts	6, 8
Contact Spacing	2.54mm
Current Rating	0.5Amps/Pin
Voltage Rating	AC 30Vr.m.s
Dielectric Withstanding Voltage	AC 200V r.m.s(for one minute)
Insulation Resistance	1000MΩ
Contact Resistance	40mΩ
Operating Temp.	-25℃ ~ +85℃

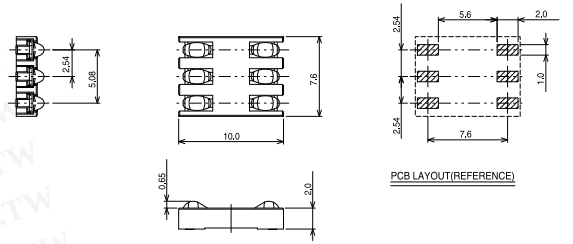
Ordering Information

GCA267 — 6S — H20

- GCA267: Series
- 6S: No. of Contacts, S:Socket housing
- H20: H14:height 1.4mm, H16:height 1.6mm, H18:height 1.8mm, H20:height 2.0mm

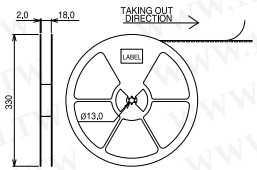
GCA267-6S-H20

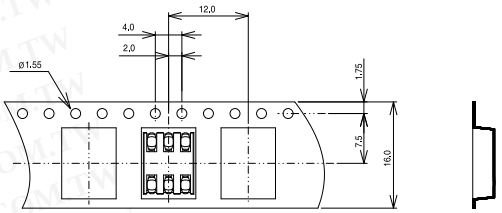




Embossed Tape Assembly

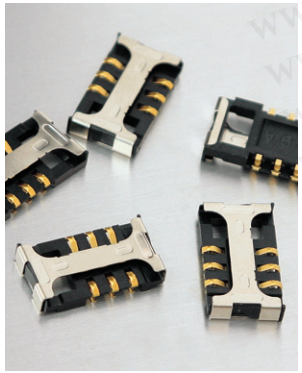
Bobbin





GCA268 series

SIM Card Connector



Features

- GCA268 series is 2.54mm pitch, SMT type Connector used for SIM Card.
- GCA268 series is a Bridge Block type Connector with High reliability Contact Structure.
- GCA268 series is used for SIM Card Connector of GSM method cellular phone.

Materials & Finishes

Parts	Materials / Finishes	
Insulator	Heat Resistant plastic	UL94V-0
Contact	Copper Alloy	Au/Ni
Bridge	Stainless Steel	Ni Plating

Specifications

No. of Contacts	6, 8
Contact Spacing	2.54mm
Current Rating	0.5Amps/Pin
Voltage Rating	AC 30Vr.m.s
Dielectric Withstanding Voltage	AC 200V r.m.s(for one minute)
Insulation Resistance	1000MΩ
Contact Resistance	40mΩ
Operating Temp.	-25℃ ~ +85℃

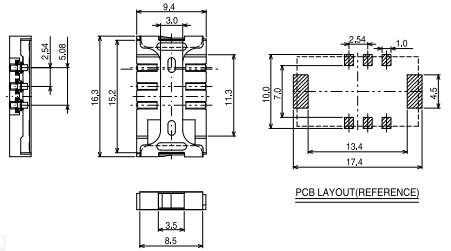
Ordering Information

GCA268 — 6S — H29

- GCA268: Series
- 6S: No. of Contacts S:Socket housing
- H29: H29:height 2.9mm H36:height 3.6mm

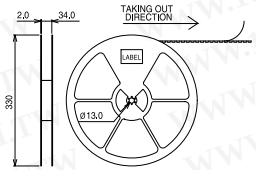
GCA268-6S-H29

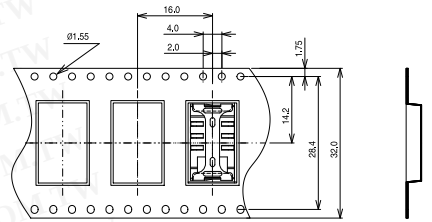




Embossed Tape Assembly

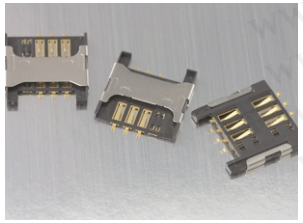
Bobbin





GCA26A series

SIM Card Connector



Features

- GCA26A series is 2.54mm Pitch, SMT Type Connector used for SIM Card
- GCA26A series is a Low Profile Connector with 1.8mm Height, 18.0mm width capable of SMT automatic installation
- GCA26A series is used for SIM Card Connector of GSM method cellular phone

Materials & Finishes

Parts	Materials / Finishes	
Insulator	Heat Resistant plastic	UL94V-0
Contact	Copper Alloy	Au/Ni
Bridge	Stainless Steel	Ni Plating

Specifications

No. of Contacts	6, 8
Contact Spacing	2.54mm
Current Rating	0.5Amps/Pin
Voltage Rating	AC 30Vr.m.s
Dielectric Withstanding Voltage	AC 200V r.m.s(for one minute)
Insulation Resistance	1000MΩ
Contact Resistance	40mΩ Max
Operating Temp.	-25℃ ~ +85℃

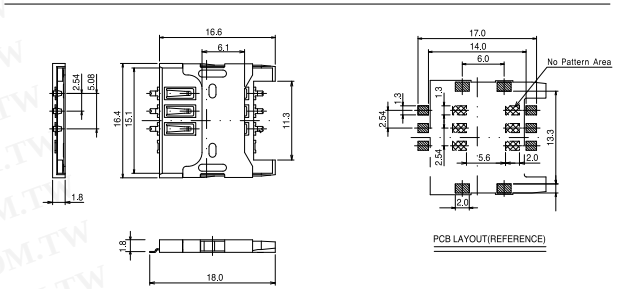
Ordering Information

GCA26A — 6S — H18

- GCA26A: Series
- 6S: No. of Contacts S:Socket housing
- H18: H16:height 1.6mm H18:height 1.8mm

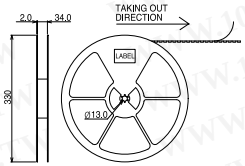
GCA26A-6S-H18

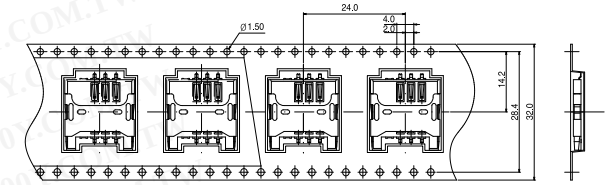




Embossed Tape Assembly

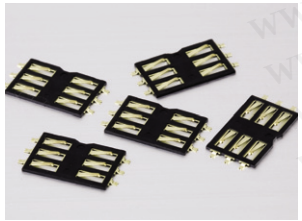
Bobbin





GCA26B series

SIM Card Connector



Features

- GCA26B series is 2.54mm Pitch, SMT Type Connector used for SIM Card
- GCA26B series is a Low Profile Connector with 0.5mm Height
- GCA26B series is a Block tyep Connector with High reliability Contact Structure
- GCA26B series is used for SIM Card Connector of GSM method cellular phone

Materials & Finishes

Parts	Materials / Finishes	
Insulator	Heat Resistant plastic	UL94V-0
Contact	Copper Alloy	Au/Ni
Bridge	Stainless Steel	Ni Plating

Specifications

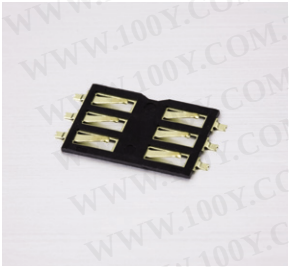
No. of Contacts	6, 8
Contact Spacing	2.54mm
Current Rating	0.5Amps/Pin
Voltage Rating	AC 30Vr.m.s
Dielectric Withstanding Voltage	AC 200V r.m.s(for one minute)
Insulation Resistance	1000MΩ
Contact Resistance	40mΩ Max
Operating Temp.	-25℃ ~ +85℃

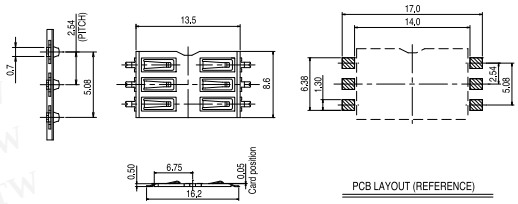
Ordering Information

GCA26B — 6S — H05

- GCA26B: Series
- 6S: No. of Contacts S:Socket housing
- H05: height 0.5mm

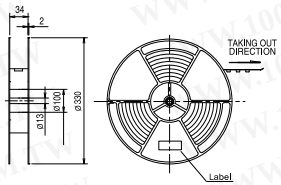
GCA26B-6S-H05

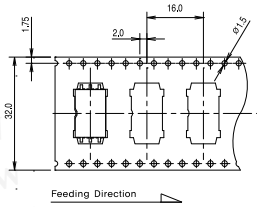




Embossed Tape Assembly

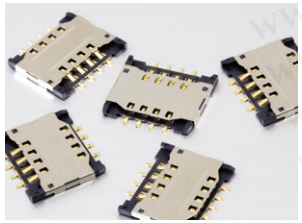
Bobbin





GCA26C series

SIM Card Connector



Features

- GCA26C series is 2.54mm Pitch, SMT Type Connector used for SIM Card
- GCA26C series is a Low Profile Connector with 1.5mm Height, 17.8mm width capable of SMT automatic installation
- GCA26C series is used for SIM Card Connector of GSM method cellular phone

Materials & Finishes

Parts	Materials / Finishes	
Insulator	Heat Resistant plastic	UL94V-0
Contact	Copper Alloy	Au Plating
Bridge	Stainless Steel	Ni Plating

Specifications

No. of Contacts	6, 8
Contact Spacing	2.54mm
Current Rating	0.5Amps/Pin
Voltage Rating	AC 30Vr.m.s
Dielectric Withstanding Voltage	AC 200V r.m.s(for one minute)
Insulation Resistance	1000MΩ
Contact Resistance	40mΩ Max
Operating Temp.	-25℃ ~ +85℃

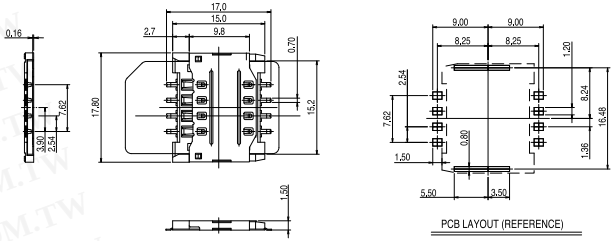
Ordering Information

GCA26C — 6S — H15

- GCA26C: Series
- 6S: No. of Contacts S:Socket housing
- H15: height 1.5mm

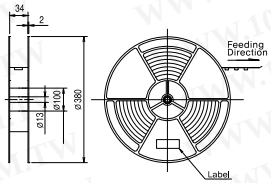
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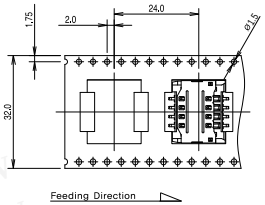




Embossed Tape Assembly

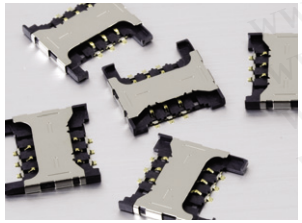
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GCA26D series

SIM Card Connector



Features

- GCA26D series is 2.54ßÆ Pitch, SMT Type Connector used for SIM Card
- GCA26D series is a Low Profile Connector with 1.8ßÆ Height, 16.4ßÆ width capable of SMT automatic installation
- GCA26D series is used for SIM Card Connector of GSM method cellular phone

Materials & Finishes

Parts	Materials / Finishes	
Insulator	Heat Resistant plastic	UL94V-0
Contact	Copper Alloy	Au Plating
Bridge	Stainless Steel	Ni Plating

Specifications

No. of Contacts	6, 8
Contact Spacing	2.54mm
Current Rating	0.5Amps/Pin
Voltage Rating	AC 30Vr.m.s
Dielectric Withstanding Voltage	AC 200V r.m.s(for one minute)
Insulation Resistance	1000MΩ
Contact Resistance	40mΩ Max
Operating Temp.	-25℃ ~ +85℃

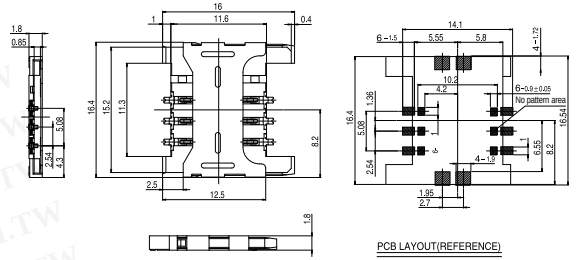
Ordering Information

GCA26D — 6S — H18

- GCA26D: Series
- 6S: No. of Contacts; P:Pin Header; S:Socket housing
- H18: height 1.8mm

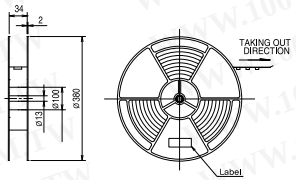
GCA26D-6S-H18

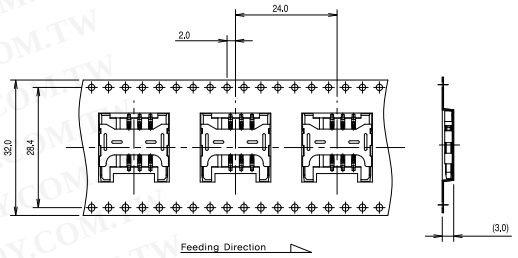




Embossed Tape Assembly

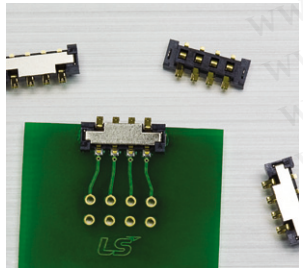
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GSB200 series

Battery Connector for Mobile Phone



Features

- 4pin, 2.0mm pitch, SMT Type receptacle connector.
- GSB200 series is off-set type of battery connector.
- GSB200 series is used with mobile phone application of power.

Materials & Finishes

	Parts	Materials / Finishes	
Receptacle	Insulator	Heat Resistant Plastic	UL94V-0
	Contact	Copper Alloy	Au Plating
	Shell	Stainless Steel	Ni Plating

Specifications

No. of Contacts	4
Contact Spacing	2.0mm
Current Rating	1.2A
Voltage Rating	AC 100V
Dielectric Withstanding Voltage	AC 200V r.m.s
Insulation Resistance	1000MΩ
Contact Resistance	80mΩ
Operating Temp.	-25℃ ~ +75℃

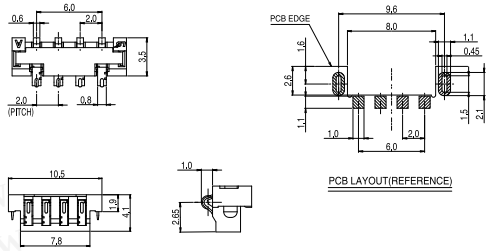
Ordering Information

GSB200 – 4 – B

- GSB200: Series
- 4: No. of Contacts
- B: Contact Type, B: Battery Contact

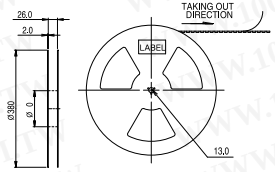
GSB200-4B

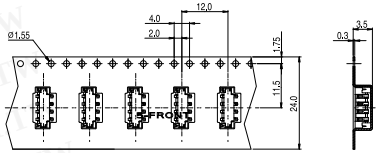




Embossed Tape Assembly

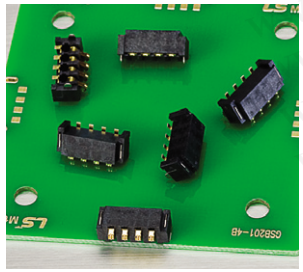
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GSB201 series

Battery Connector for Mobile Phone



Features

- 4pin, 2.0mm pitch, SMT Type receptacle connector.
- GSB201 series is normal type of vertical type battery connector.
- GSB201 series is used with mobile phone application of power.

Materials & Finishes

	Parts	Materials / Finishes	
Receptacle	Insulator	Heat Resistant Plastic	UL94V-0
	Contact	Copper Alloy	Au Plating
	Shell	Stainless Steel	Ni Plating

Specifications

No. of Contacts	4
Contact Spacing	2.0mm
Current Rating	3.0A
Voltage Rating	AC, DC 100V
Dielectric Withstanding Voltage	AC 200V r.m.s
Insulation Resistance	1000MΩ
Contact Resistance	80mΩ
Operating Temp.	-30℃ ~ +85℃

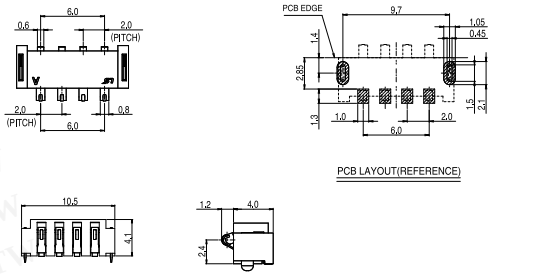
Ordering Information

GSB201 – 4 – B

- GSB201: Series
- 4: No. of Contacts
- B: Contact Type, B: Battery Contact

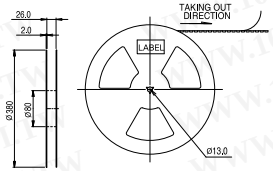
GSB201-4B

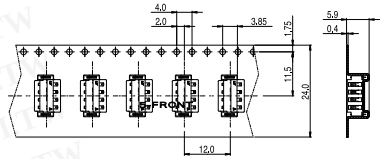




Embossed Tape Assembly

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