

GLT CONNECTOR (80P type)

Board-to-wire

Features

●Variation

Contact JST for pin arrangement/housing color/key code.

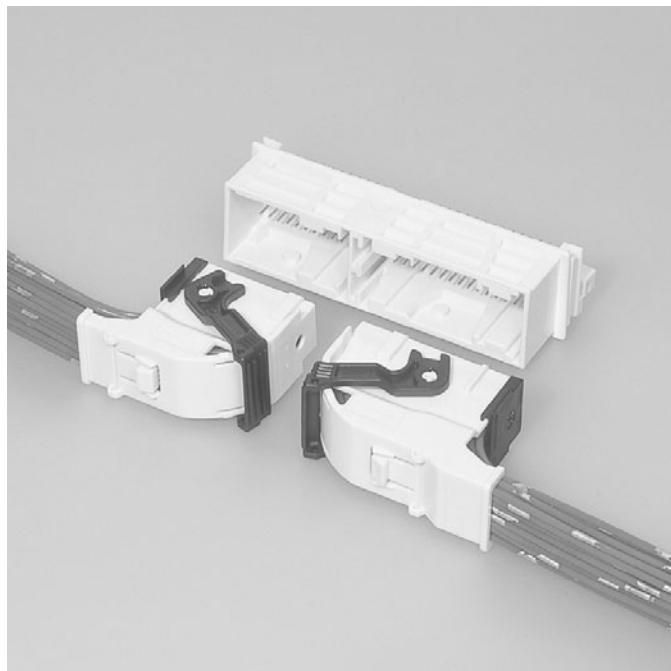
●Terminal construction

It is designed to prevent the deformation of contact area when processing wire harness by separate area of each terminal box and spring contact.

The contact stabilization is achieved by two spring contact area constructions.

●Mating

The lever mechanism is adopted to decrease the insertion force in mating male and female.



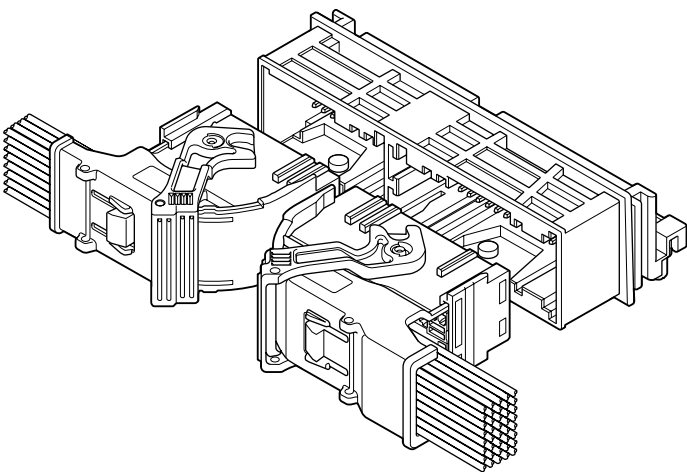
This connector is realized the miniaturization as air-bag ECU for automobile and low insertion force by using lever.

This connector has the various pin arrangement/color/key code corresponding to needs, hence the connector type suitable for the vehicle can be selected.

Specifications

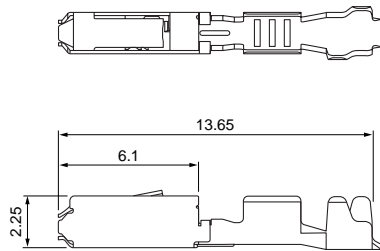
- Current rating: 5A AC, DC (0.5mm², Single circuit)
- Voltage rating: 14V AC, DC
- Temperature range: -40°C to +85°C
(including temperature rise in applying electrical current)
- Contact resistance:
 - Female terminal; Initial value/10mΩ max.
After environmental testing/20mΩ max.
 - Short terminal; Initial value/50mΩ max.
After environmental testing/100mΩ max.
- Insulation resistance: 100MΩ min.
- Withstanding voltage: 1,000V AC/minute
- Applicable wire: AVSS
0.5mm²

- * Compliant with ELV/RoHS.
- * Contact JST for details.



GIT(80P type) CONNECTOR

Female terminal



Model No.	Applicable wire range		Q'ty/reel
	Conductor (mm ²)	Insulation O.D. (mm)	
SGIT-A021GF-MS0.64	0.5	1.7	7,500

Material and Finish

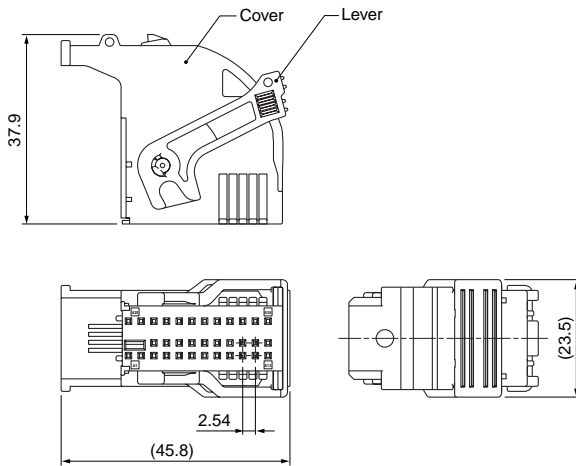
Terminal box: Stainless

Terminal: Copper alloy, nickel-undercoated, Contact area; gold-plated
Barrel area; gold-plated

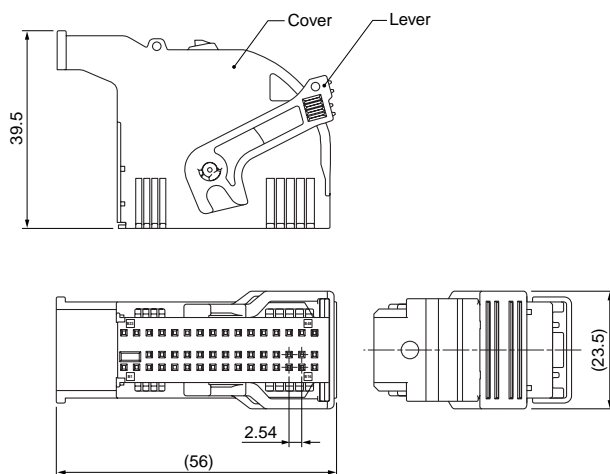
Female connector

Cover housing assembly

● 34 circuits



● 46 circuits



Circuits	Model No.	Q'ty/box
34	34GIT-B-1A-01	400
46	46GIT-B-1A-01	400

Material

Cover housing: Glass-filled PBT, yellow

Lever: Glass-filled PBT, black

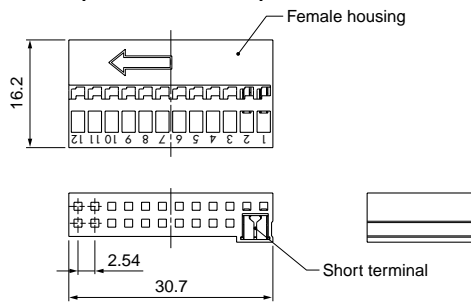
Note: Color/Key codes other than above-mentioned housing are also available.
Contact JST for details.

GIT(80P type) CONNECTOR

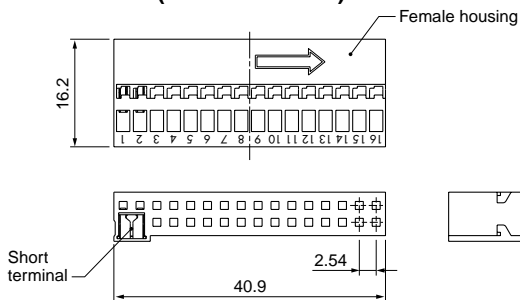
Female connector

Female housing assembly

• 22 circuits (34 circuits side)

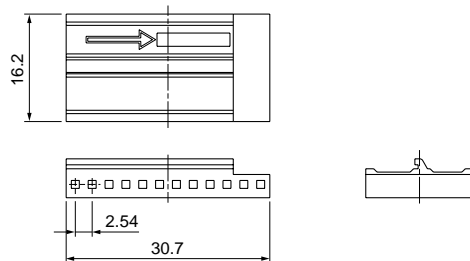


• 30 circuits (46 circuits side)

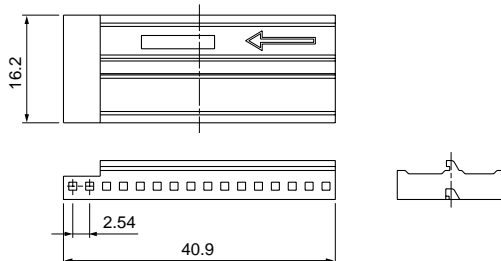


Female housing

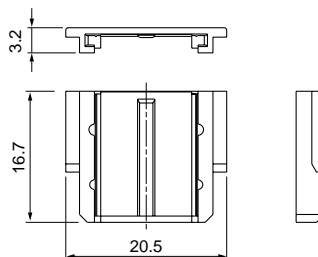
• 12 circuits (34 circuits side)



• 16 circuits (46 circuits side)



Sliding cover



Circuits	Model No.	Q'ty/box
22	22GIT-B-1A	1,600
30	30GIT-B-1A	1,600

Material and Finish

Female housing: Glass-filled PBT, black
Short terminal: Copper alloy, nickel-undercoated,
Contact area: gold-plated

Circuits	Model No.	Q'ty/box
12	GITR-12H-1A-K	3,200
16	GITR-16H-1A-K	3,200

Material

Glass-filled PBT, black

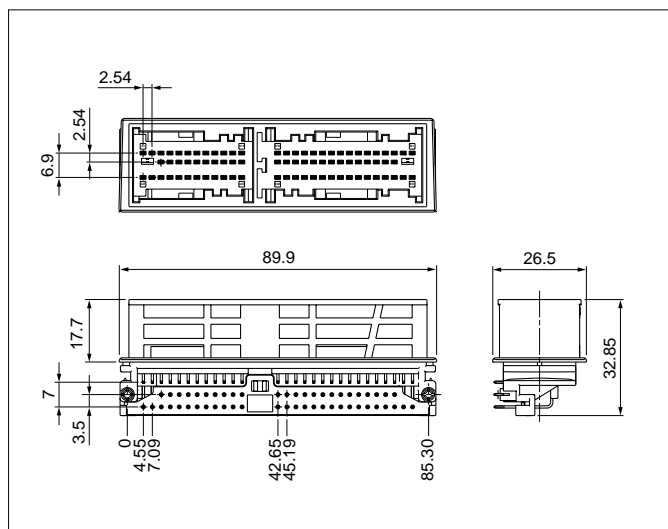
Model No.	Q'ty/box
GITSL-H-1A-K	9,600

Material

PBT, black

GIT(80P type) CONNECTOR

Male connector



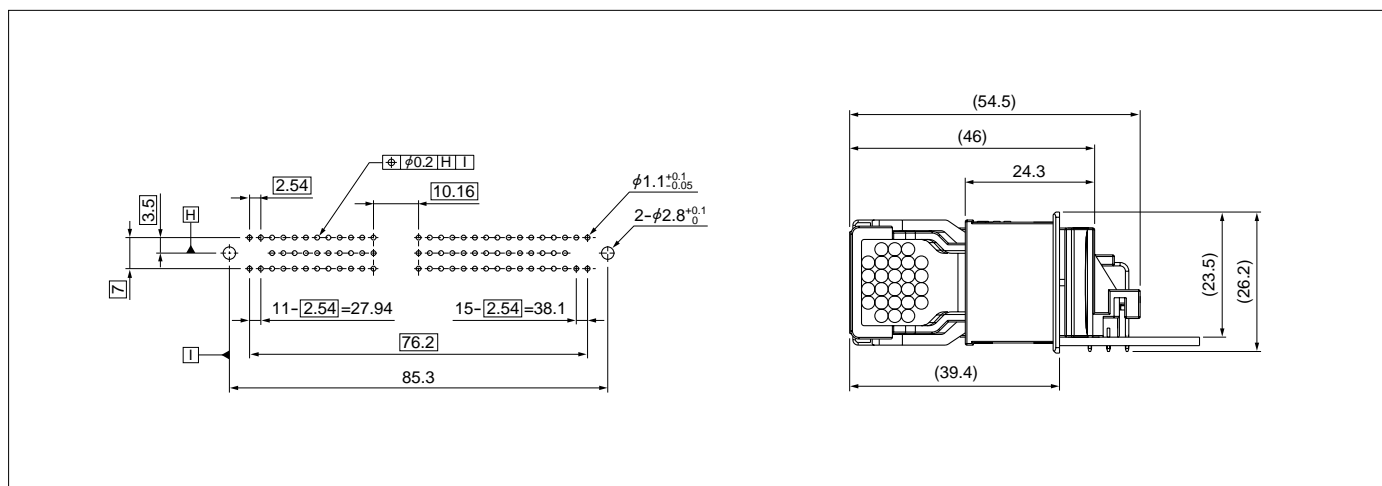
Model No.	Q'ty/box
S51B-GIT01-1A	160

Material and Finish

Male housing: Glass-filled PBT, yellow
Tine-plate: Glass-filled PBT, black
Pin: Copper alloy, nickel-undercoated, tin-plated,
Contact area; gold-plated

Note: Color/Key codes other than above-mentioned housing are also available.
Up to maximum 80 circuits are available. Contact JST for details.

PC board layout, Assembly layout



Crimping machine, Applicator

Strip terminal	Crimping machine	Crimp applicator MKS-L		Applicable wire
		Dies	Crimp applicator with dies	
SGIT-A021GF-MS0.64	AP-K2N	MK/SGIT-A021-064	APLMK SGIT-A021-064	AVSS0.5

Note: When crimping operation is conducted using an applicator and die set other than the above, JST cannot guarantee the performance of the terminal.