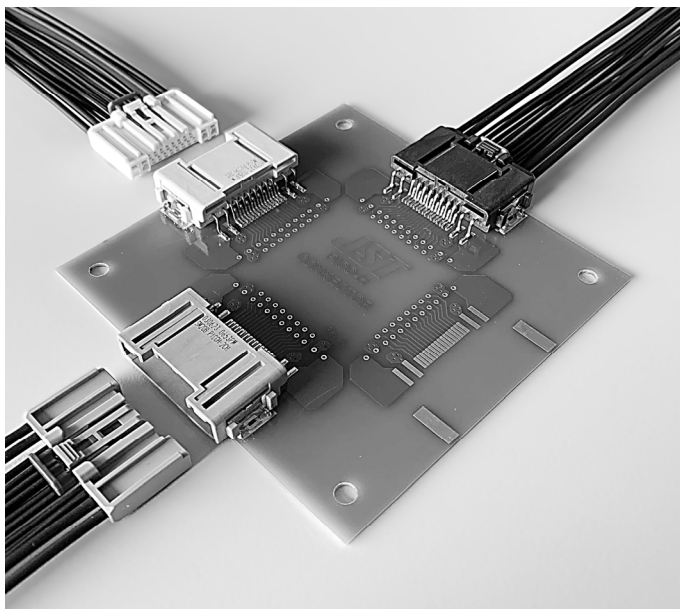


PICO-H[®] CONNECTOR

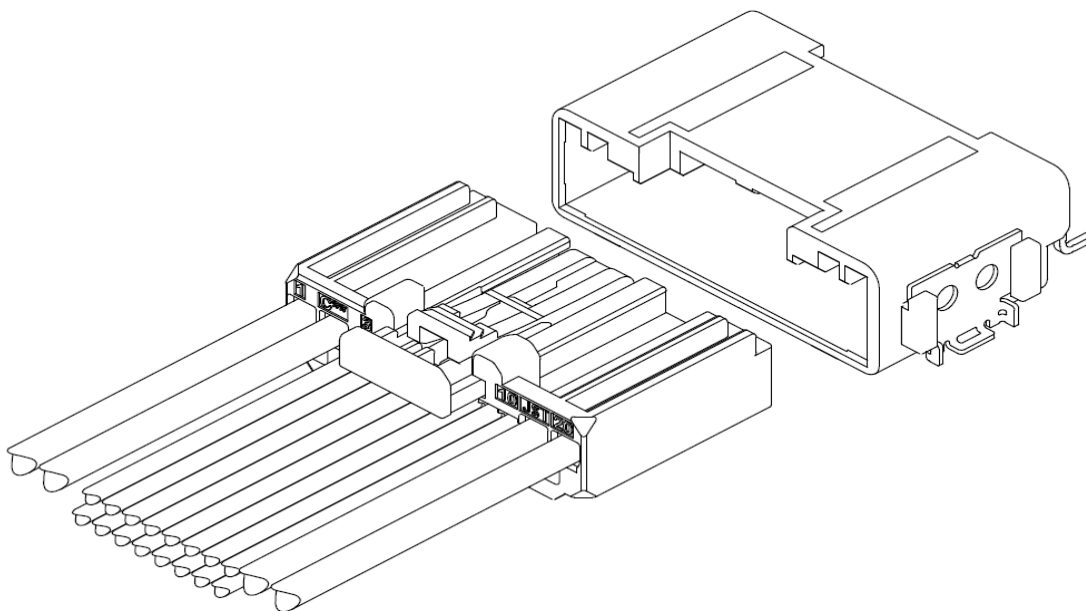
Wire-to-Board



Miniaturized 0.5mm & 1.2mm Hybrid SMT Connector System for automotive applications.

■ Features

- 20 Circuits: 0.5/1.2 Hybrid Ultra-Low Profile Connector
- 0.5 Terminal x 16 Circuits and 1.2 Terminal x 4 Circuits
- 1.0mm Fine Pitch SMT Board Mounting, Miniaturized Side Entry Design
- Pre-Set ISL TPA and CPA
- 3 Unique Physical and Color Key Options
- Compliant with USCAR-2 and LV214 where applicable



■ Specifications

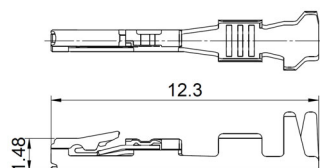
- Current rating : 0.5 Terminal: 5A DC (0.5 mm²)
1.2 Terminal: 14A DC (0.75 mm²)
19A DC (1.5 mm²)
- Voltage Rating : 14V DC
- Withstanding voltage : 1,000V AC/min
- Temperature range : USCAR-2: -40°C to 100°C
LV214 TG21: -40°C to 125°C
- Applicable wire : 0.5 Terminal: 0.13 mm² to 0.5 mm²
1.2 Terminal: 0.75 mm² to 1.5 mm²
- Insulation resistance : 100 MΩ min.

*Compliant with ELV/RoHS2.

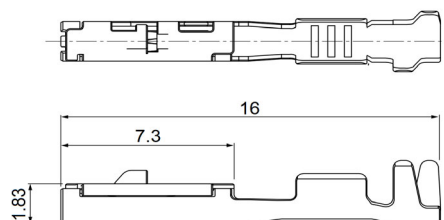
*Contact JST for details.

Female Terminal

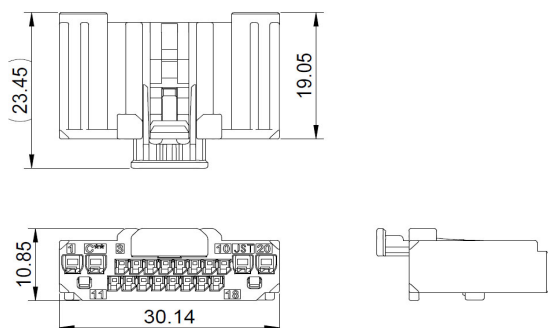
• 0.5 Terminal



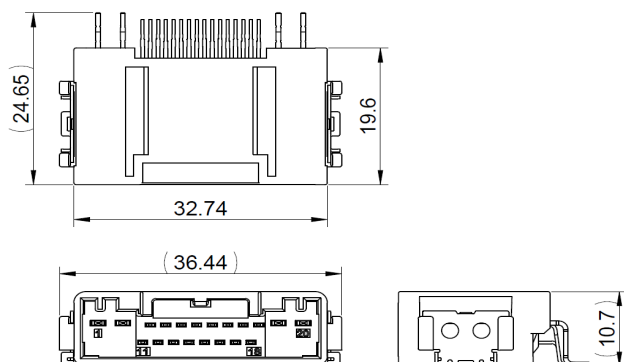
• 1.2 Terminal



Female Connector



Male Connector



Size	Model No.	Applicable wire range		Q'ty/reel
		Conductor (mm ²)	Insulation O.D. (mm)	
0.5	SPICO-A011T-C05	0.13 to 0.22	≤1.2	10,000
	SPICO-A021T-C05	0.35	≤1.4	10,000
	SPICO-A031T-C05	0.5	≤1.6	10,000
1.2	SMSA-A031T-M1.2	0.5 to 0.75	1.6 to 1.9	8,500
	SMSA-A041T-M1.2	1.0 to 1.5	2.1 to 2.4	6,000

Material and Finish

Copper alloy, tin-plated (reflow treatment)

Circuits	Model No.	Housing Color	Q'ty/case
20	PICOHPB-20-2AK	Black	2,000
	PICOHPB-20-2BS	Natural	2,000
	PICOHPB-20-2CH	Grey	2,000

Material and Finish

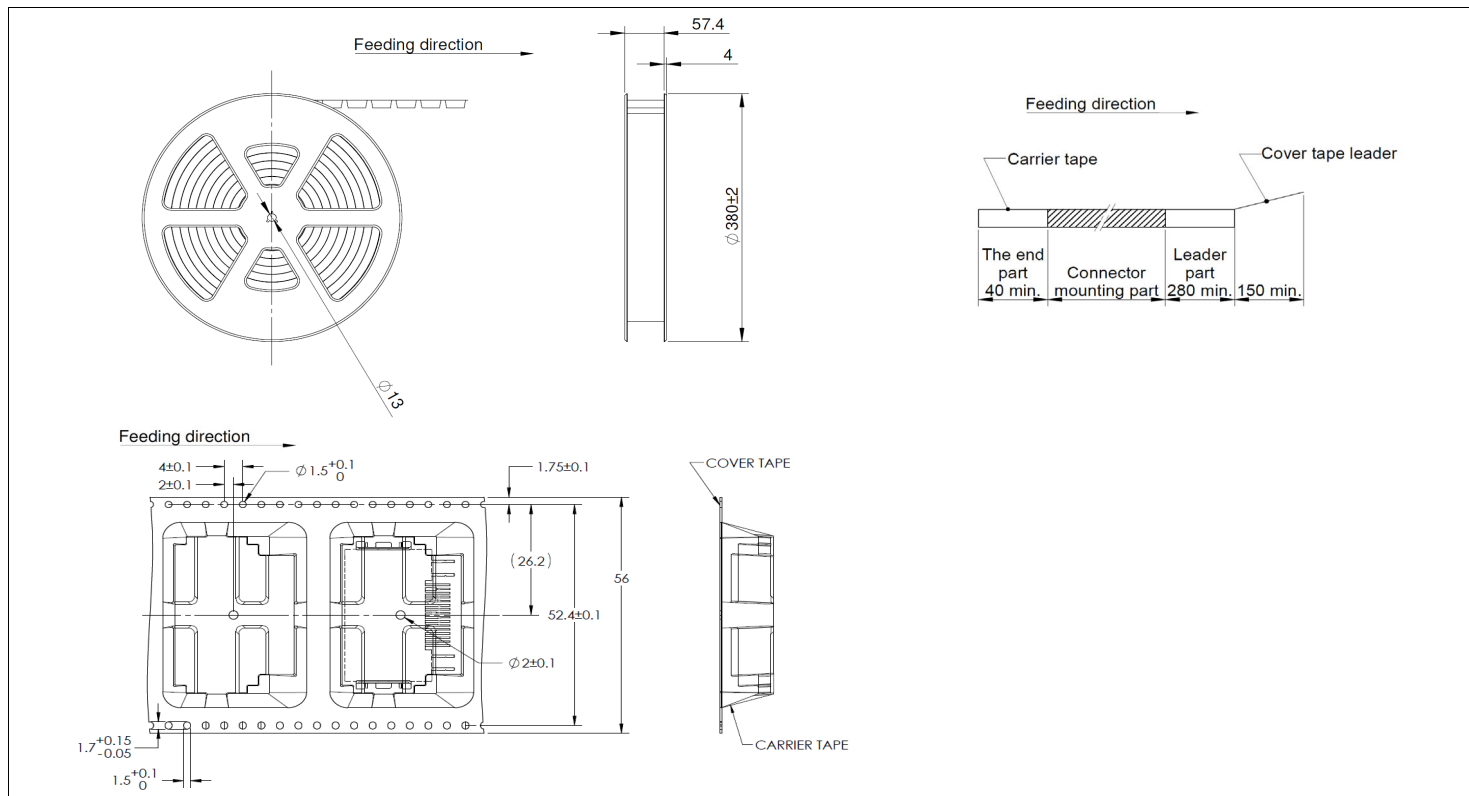
Housing: Glass-filled PBT
TPA: Glass-filled PBT, Red
CPA: Glass-filled PBT, Red

Circuits	Model No.	Housing Color	Q'ty/reel
20	SM20B-PICOH-2AK	Black	200
	SM20B-PICOH-2BS	Natural	200
	SM20B-PICOH-2CH	Grey	200

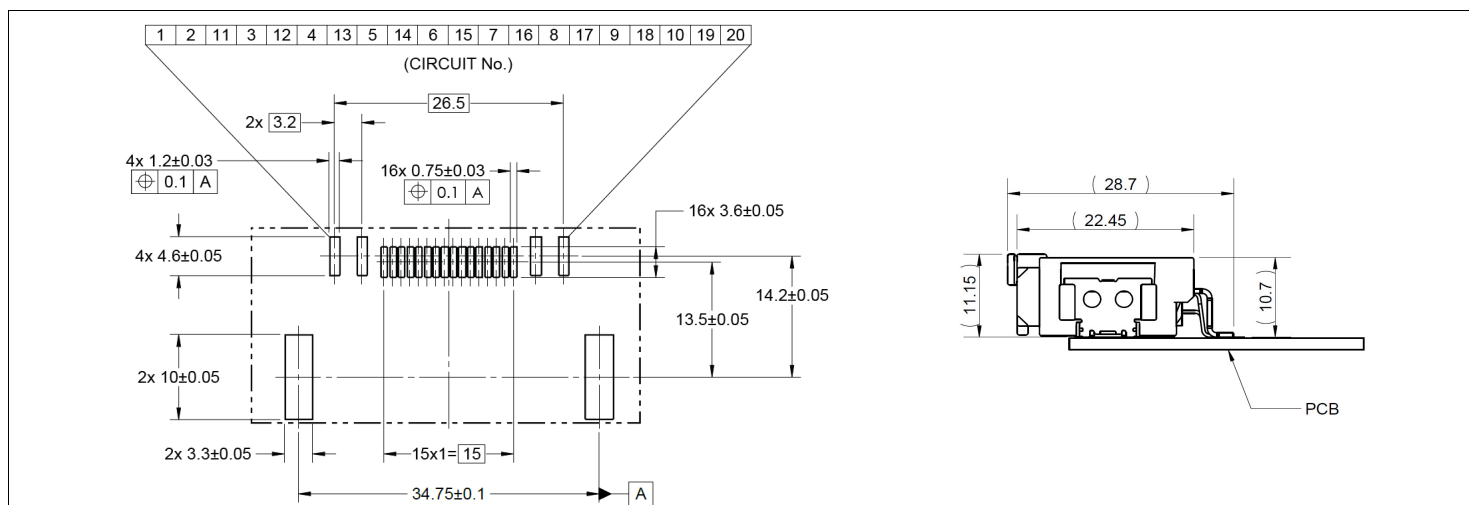
Material and Finish

Housing: Glass-filled LCP
Pin: Copper alloy, tin-plated (reflow treatment)
Reinforcement: Copper alloy, tin-plated (reflow treatment)

Taping Specifications



PC board layout, Assembly layout



Crimping machine, Applicator

Strip terminal	Crimping machine	Crimp applicator MKS-L	
		Dies	Crimp applicator with dies
SPICO-A011T-C05	AP-K2N	MK/SPICO/W-A011-05	APLMK SPICO/W-A011-C05
SPICO-A021T-C05		MK/SPICO/W-A021-05	APLMK SPICO/W-A021-C05
SPICO-A031T-C05		MK/SPICO/W-A031-05	APLMK SPICO/W-A031-C05
SMSA-A031T-M1.2		MK/SPICO/W-A031-05	APLMK SPICO/W-A031-C05
SMSA-A041T-M1.2		MK/SMSA-A031-12	APLMK SMSA-A031-12
		MK/SMSA-A041-12	APLMK SMSA-A041-12

Note: 1. Contact JST for details.

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