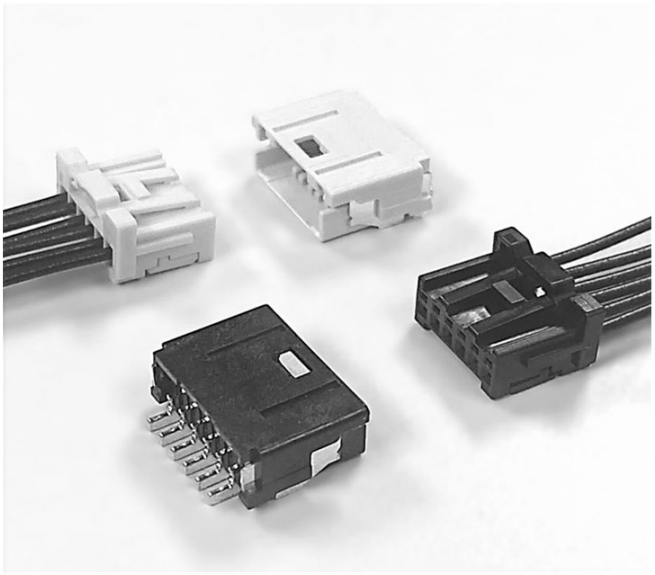
MLH CONNECTOR

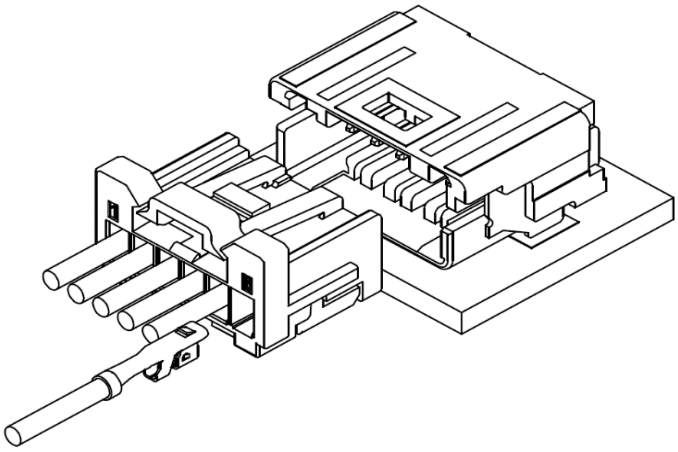
Board-to-Wire



■ Features

- **Low profile and compact side entry SMT connector**
- **One piece female connector and Independent Secondary Lock Terminal Position Assurance (ISL TPA)**
- **Polarized terminal cavity & connector**
- **Scooping/Kojiri resistant**
- **Inertial lock to prevent connector half mating**
- **Secure locking device**
- **Multiple keying options**

Ultra-miniaturized connection system for automotive usage

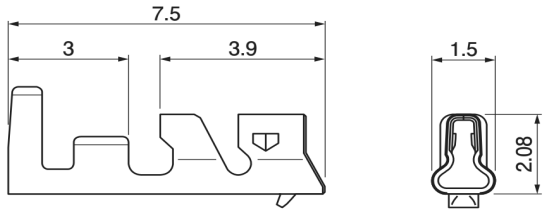


■ Specifications

●Current rating	: 3A AC/DC (22 AWG)
●Voltage rating	: 14V DC
●Temperature range	: -40°C to 100°C (Includes the rise in temperature when applying an electrical circuit)
●Applicable wire	: 0.35mm^2 (22 AWG)
●Contact resistance	: Initial Value/20mΩ max. After environmental testing 20mΩ max.
●Insulation resistance	: 100 MΩ min. (at 500 VDC)

*Compliant with ELV/RoHS2.
*Contact JST for details.

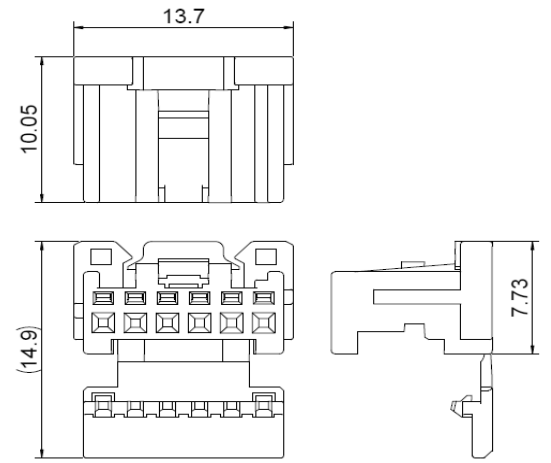
Female Terminal



Model No.	Applicable wire range		Q'ty/reel
	Conductor (mm²)	Insulation O.D. (mm)	
SPND-001T-C0.5	0.35	1.5 max.	8,000

Material and Finish
Copper alloy, tin-plated

Female Connector

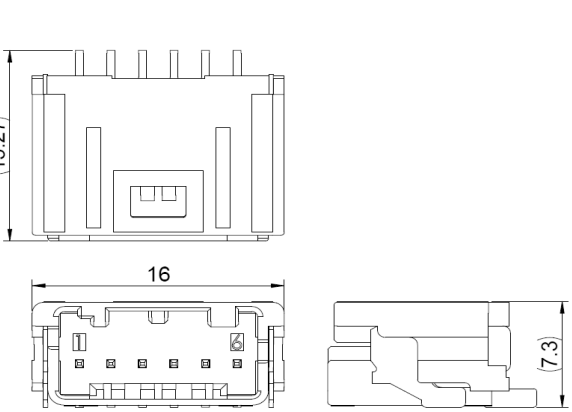


Circuits	Model No.	Housing Color	Q'ty/box
6	**MLHP-06A-1AK**	Black	4,000
	MLHP-06A-1BS	Natural	4,000

Material
Housing: PBT

(Additional keying options available upon request)

Male Connector

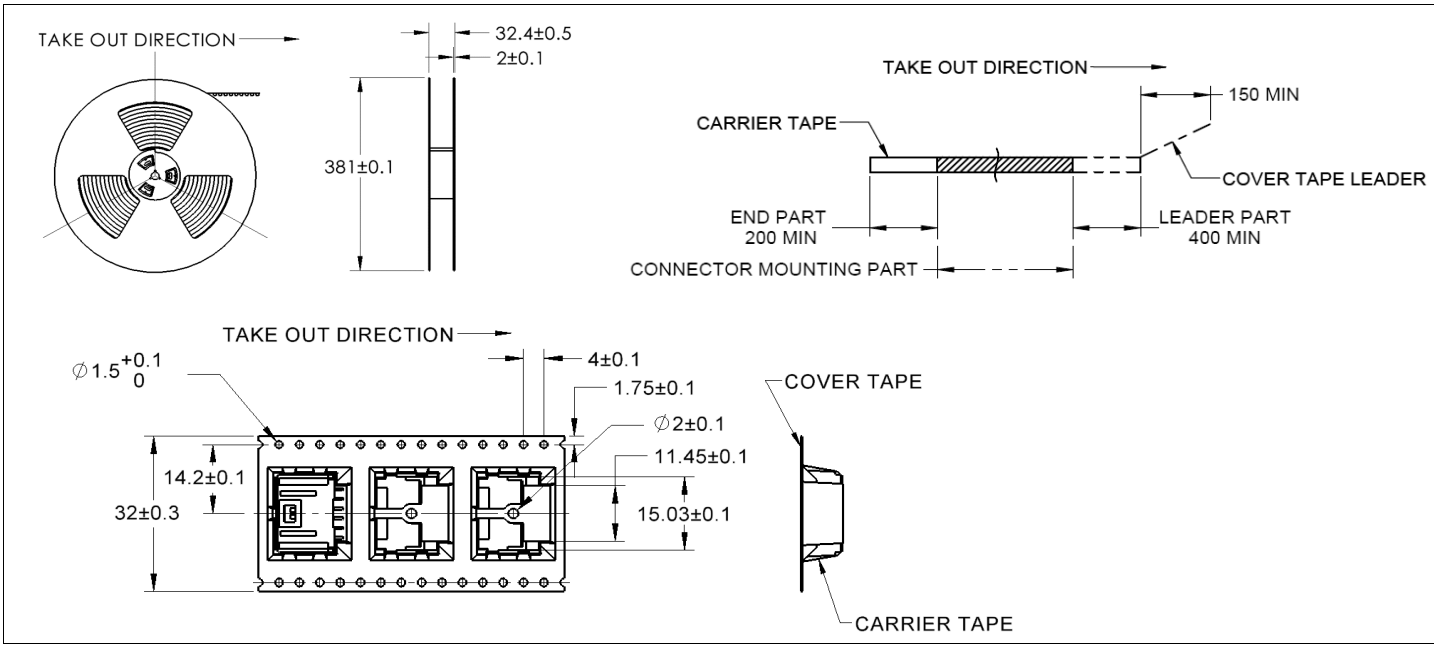


Circuits	Model No.	Housing Color	Q'ty/reel
6	**SM06B-MLH-1AK**	Black	550
	SM06B-MLH-1BS	Natural	550

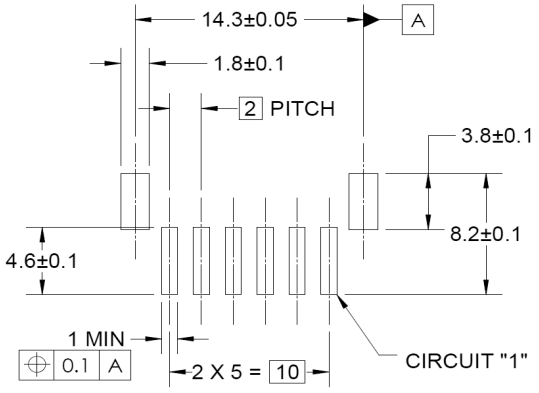
Material and Finish
Housing: Glass-filled LCP Pin: Copper alloy, tin-plated Reinforcement Tab: Copper alloy, tin-plated

(Additional keying options available upon request)

Taping Specifications



PC Board Layout



Assembly Layout

Crimping machine, Applicator

Strip terminal	Crimping machine	Applicator	Crimp applicator with dies
SPND-001T-C0.5	AP-K2N	MKS-L	APLMK SPND001-05

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.