

Compact, high-speed transmission connector for automotive use

TAK Series

Connect To The Next



Overview

The TAK series connector is USB2.0 compatible and features a lock mechanism for a more robust and reliable connection. The connector has been designed to meet high-speed transmission requirements of car navigation systems and other automotive applications.

Applications

Car navigation, car audio, drive recorders

Features

- USB2.0 compatible
- Fully-shielded
- Mold lock mechanism
- Key shape: four types with 4 contacts and three types with 6 contacts
- Compact size:
 - 4-contact receptacle (no flange) 9.6 (W) x 14.6 (L) x 12 (H) mm
 - 6-contact receptacle (no flange) 11.6 (W) x 14.6 (L) x 12 (H) mm

Specification

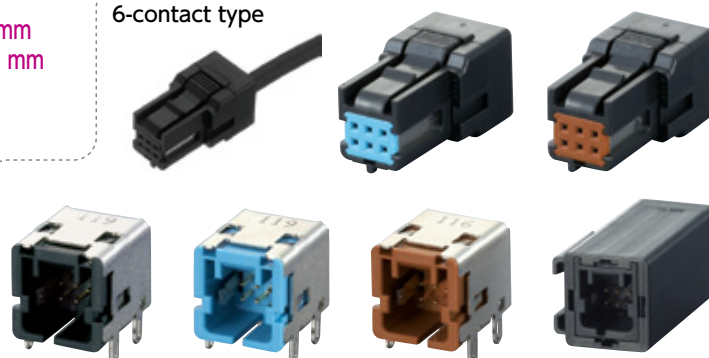
Number of contacts	4, 6
Terminal pitch	2mm
Contact pitch	2mm
Connection method (board side)	soldered DIP
Cable connection method (cable side)	crimped
RoHS	compliant
Rated current	1A
Rated voltage	30V AC
Storage temperature	-40°C to +105°C
Insulation resistance	1,000MΩ
Dielectric withstanding voltage	500V AC
Mating cycle	50

4-contact type



In-Line

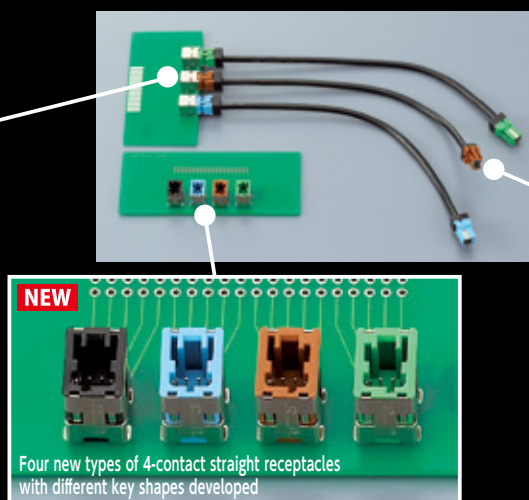
6-contact type



In-Line



Three new types of 4-contact right-angle receptacles with different key shapes added



Four new types of 4-contact straight receptacles with different key shapes developed



Three new types of 4-contact straight crimping type plug connectors for cables with different key shapes developed

The specifications and information shown in the catalog are subject to change without notice.

Detailed Product List

TAK4POS Receptacle P/N	Flange Mounting	First Mate Last break contact	Key/Color	Type
TAK-A4LMDGB-AF+	×	○	Black	Right-angle DIP
TAK-A4LMDGA-BF+	×	○	Blue	Right-angle DIP
TAK-A4LMDGCB-CF+	×	○	Brown	Right-angle DIP
TAK-A4LMDGG-DF+	×	○	Green	Right-angle DIP
TAK-A4LMDGBA-AF+	×	×	Black	Right-angle DIP
TAK-A4LMDGAA-BF+	×	×	Blue	Right-angle DIP
TAK-A4LMDGCA-CF+	×	×	Brown	Right-angle DIP
TAK-A4LMDGGA-DF+	×	×	Green	Right-angle DIP
TAK-A4LMDGB-AB+	○	○	Black	Right-angle DIP
TAK-A4LMDGA-BB+	○	○	Blue	Right-angle DIP
TAK-A4LMDGCB-CB+	○	○	Brown	Right-angle DIP
TAK-A4LMDGG-DB+	○	○	Green	Right-angle DIP
TAK-A4LMDGBA-AB+	○	×	Black	Right-angle DIP
TAK-A4LMDGAA-BB+	○	×	Blue	Right-angle DIP
TAK-A4LMDGCA-CB+	○	×	Brown	Right-angle DIP
TAK-A4LMDGGA-DB+	○	×	Green	Right-angle DIP
TAK-A4MDGB-AF+	×	○	Black	Straight DIP
TAK-A4MDGA-BF+	×	○	Blue	Straight DIP
TAK-A4MDGCB-CF+	×	○	Brown	Straight DIP
TAK-A4MDGG-DF+	×	○	Green	Straight DIP
TAK4POS Plug P/N	Cable O.D.		Key/Color	Type
TAK-A4SFCGB-AA+	4.5		Black	Straight
TAK-A4SFCGA-BA+	4.5		Blue	Straight
TAK-A4SFCGC-CA+	4.5		Brown	Straight
TAK-A4SFCGG-DA+	4.5		Green	Straight
TAK4POS Plug contact P/N	Cable Size	Insulation dia. max		
LPC-F113S	AWG#32	0.6		
LPC-F113N	AWG#28 ~ 32	1		
LPC-F113L	AWG#22 ~ 26	1.1		
TAK6POS Receptacle P/N	Flange Mounting	First Mate Last break contact	Key/Color	Type
TAK-A6LMDGBB-AF+	×	○	Black	Right-angle DIP
TAK-A6LMDGAB-BF+	×	○	Blue	Right-angle DIP
TAK-A6LMDGCB-CF+	×	○	Brown	Right-angle DIP
TAK-A6LMDGBB-AB+	○	○	Black	Right-angle DIP
TAK-A6LMDGAB-BB+	○	○	Blue	Right-angle DIP
TAK-A6LMDGCB-CB+	○	○	Brown	Right-angle DIP
TAK-A6LMDGBA-AFC+	×	×	Black	Right-angle DIP (2 Shell DIP)
TAK6POS Plug P/N	Cable O.D.		Key/Color	Type
TAK-A6SFCGB-AA+	3.8		Black	Straight
TAK-A6SFCGA-BA+	3.8		Blue	Straight
TAK-A6SFCGC-CA+	3.8		Brown	Straight
TAK-A6SFCGB-AB+	4.5		Black	Straight
TAK-A6SFCGA-BB+	4.5		Blue	Straight
TAK-A6SFCGC-CB+	4.5		Brown	Straight
TAK-A6SFCGB-AC+	5.5		Black	Straight
TAK-A6SFCGA-BC+	5.5		Blue	Straight
TAK-A6SFCGC-CC+	5.5		Brown	Straight
TAK-A6SFCGB-AB1+	4.5		Black	Straight Lock UP For Industry
TAK6POS Plug contact P/N	Cable Size	Insulation dia. max		
LPC-F113S	AWG#32	0.6		
LPC-F113N	AWG#28 ~ 32	1		
LPC-F113L	AWG#22 ~ 26	1.1		
TAK4POS In-Line P/N	Cable O.D.		Key/Color	
TAK-A4SMCGB-AA+	4.5		Black	
TAK4POS In-Line contact P/N	Cable Size	Insulation dia. max		
TAK-MGE+	AWG#22 ~ 26	1.1		
TAK-MGB+	AWG#28 ~ 32	1		
TAK6POS In-Line P/N	Cable O.D.		Key/Color	
TAK-A6SMCGB-AC+	5.5		Black	
TAK-A6SMCGA-BC+	5.5		Blue	
TAK-A6SMCGC-CC+	5.5		Brown	
TAK6POS In-Line contact P/N	Cable Size	Insulation dia. max		
TAK-MGE+	AWG#22 ~ 26	1.1		
TAK-MGB+	AWG#28 ~ 32	1		