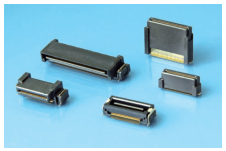
Floating Connector

DT Series / DT-FS Series



6 Gbps　8 Gbps

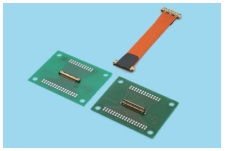
DT series supports SATA standards, and DT-FS series enables high-speed serial signal transmission equivalent to 8Gbps. The product has a wide variety of connection types, including three-dimensional mounting of stack, vertical, and horizontal connections, multi-pin (maximum 240 pins), and high stack typewith floating amount of ±1.0 mm in the XY direction and stack of 18 to 30mm.

Insulator material	Glass-filled LCP(UL94V-0), Black
Signal contact/ Power contact material	Copper alloy
Signal contact/ Power contact plating	(Contact area) Gold over Nickel (Terminal area) Gold over Nickel
Retention clip material	Copper alloy
Retention clip plating	Tin over Nickel (DT0□-□□□FS-10-T)Gold over Nickel(Terminal area)
Rated current *1	0.5A per contact(When mated with DT0□-□□□FS-10-T) 0.4A per contact(When mated with DT0□-□□□S-T, simultaneous energization: 140 pins max)
Contact resistance	80 mΩ max.
Dielectric withstanding voltage	200 V AC for 1 minute
Insulation resistance	100 MΩ min. at 250 V DC
Operating temperature	-40°C to +105°C

*1 It is possible to design current capacity exceeding standard rated current depending on the pin count and the mating type. (DT series can also support 0.5A)

Micro Coaxial Cable Connector

TSL Series



32 Gbps

Rated current	AWG#30: 1.0A per contact AWG#32: 0.9A per contact AWG#36: 0.6A per contact
Contact resistance	100 mΩ max.
Dielectric withstanding voltage	200V AC for 1 minute
Insulation resistance	100 MΩ min. at 250V DC
Operating temperature	-40°C to +85°C
Applicable cable	AWG #30/32/36 micro coaxial cable*

* Please contact our sales representative for the cable specifications to be used.

TSL Series is a high performance coaxial harness with a 0.55mm pitch that enables 32Gbps differential high speed transmission with a cable length of 1,000mm.
Ideal for designs that require high speed transmission over long cables for 5G and IoT.

KEL Company Profile

U.S.A Office

KEL USA, INC.
604 Third Street, Suite 200, Davis, CA 95616
www.kelconnectors.com

Follow us on LinkedIn
www.linkedin.com/company/kelusa

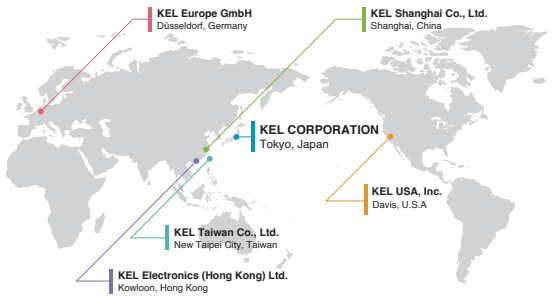
Headquarters Office

Trade Name : KEL CORPORATION
Established : July 23, 1962
President : Akira Kasuga
Address : 6-17-7 Nagayama, Tama, Tokyo 206-0025, Japan
Website : www.kel.jp

Factories

- Yamanashi Factory (Nishi-Yatsushiro, Yamanashi, Japan)
- Nagano Factory (Kita-azumi, Nagano, Japan)
- Minami-Alps Factory (Minami-Alps, Yamanashi, Japan)

Global Network



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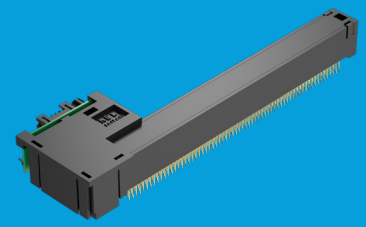
Hong Kong Office — Kowloon, Hong Kong

PFNo.MES-E-202410-0A-K/T

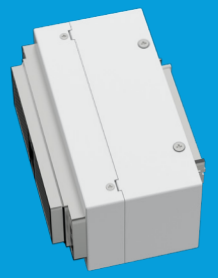
Medical Equipment Solution

for endoscopic ultrasound and ultrasound diagnostic equipment



Switch Module

Custom Solution

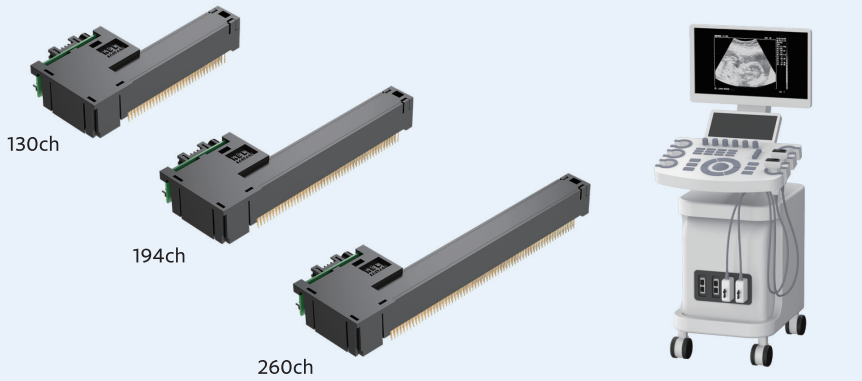


DL to QLC/QLC to DL Adapter

Medical Eqipment Solution

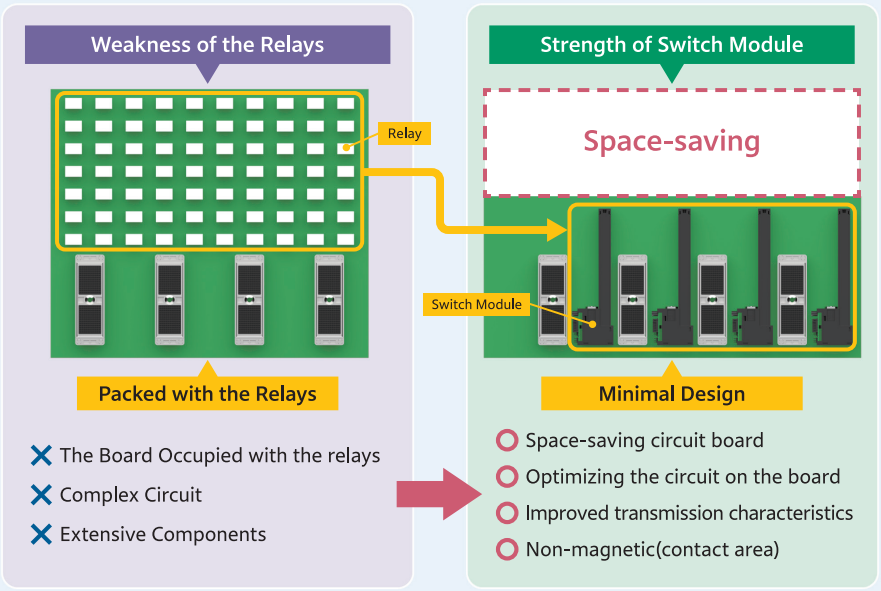
Switch Module

Probes can be switched all at once using Switch Module.
Three types of models : 130ch, 194ch, 260ch under development



Ultrasound Diagnostic Equipment

Switch Module Eliminates the Relays



- ✕ The Board Occupied with the relays
- ✕ Complex Circuit
- ✕ Extensive Components

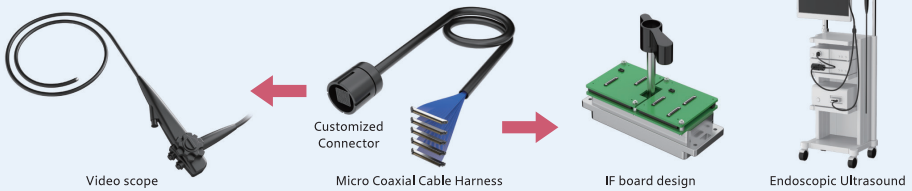
- ○ Space-saving circuit board
- ○ Optimizing the circuit on the board
- ○ Improved transmission characteristics
- ○ Non-magnetic(contact area)

Custom Solution

Probe Harness for Ultrasound Diagnostic Equipment

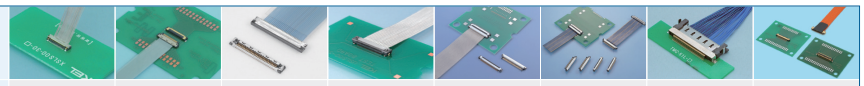
Probe Assembled with Micro Coaxial Cable Connectors | Customized Harness | IF board design | Ultrasound Diagnostic Equipment

Specifically Designed Connector, Harness and Board for EUS



Video scope | Micro Coaxial Cable Harness | IF board design | Endoscopic Ultrasound

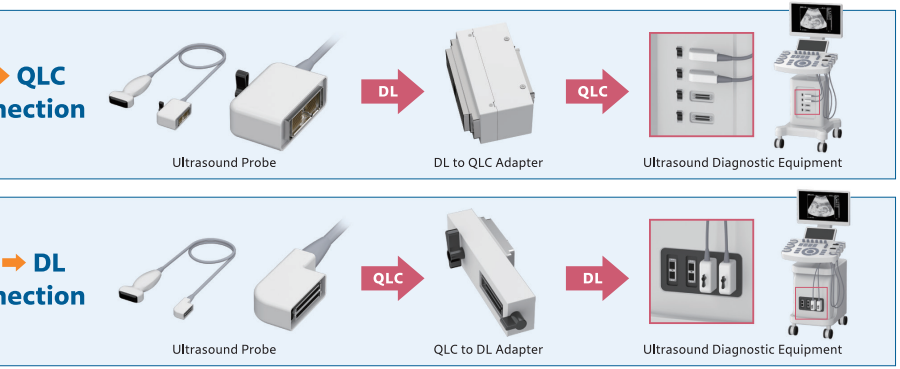
Micro coaxial cable connectors product list



	XSLS	XSL	ASLS	USLS	USL	SSL	TMC	TSL
Series name	XSLS	XSL	ASLS	USLS	USL	SSL	TMC	TSL
Pitch	0.25 mm	0.25 mm	0.4 mm	0.4 mm	0.4 mm	0.5 mm	0.6 mm	0.55 mm
Number of contacts	30 / 40 / 52	48	30	20 / 30 / 34 / 40	20 / 30 / 40	10 / 20 / 30 / 40	51	31

DL to QLC/QLC to DL Adapter

Unlock compatibility beyond limitations



Adapters effortlessly bridge the gap between mismatched probe and main body connectors.
We provide adapters that are customized according to your requests, such as the position and direction of the plug and receptacle.