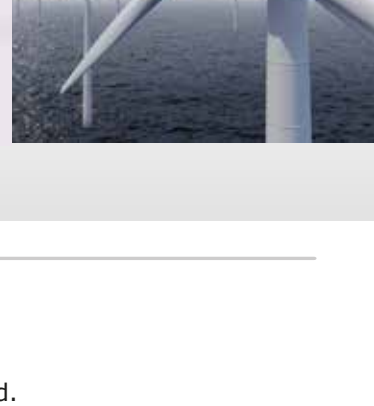
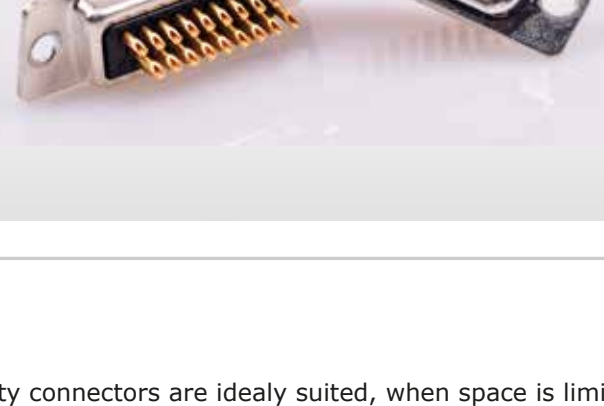
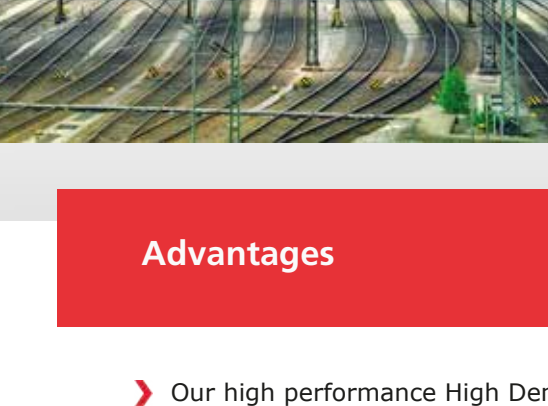


Machined High Density Contacts ★★★★★



- Machined Solid Contacts**
- High Mating Performance**
- High Current Rating**
- Low Contact Resistance**
- Reliable Coupling**
- Ideal for special Applications, Non-Magnetic, Waterproof, etc.**



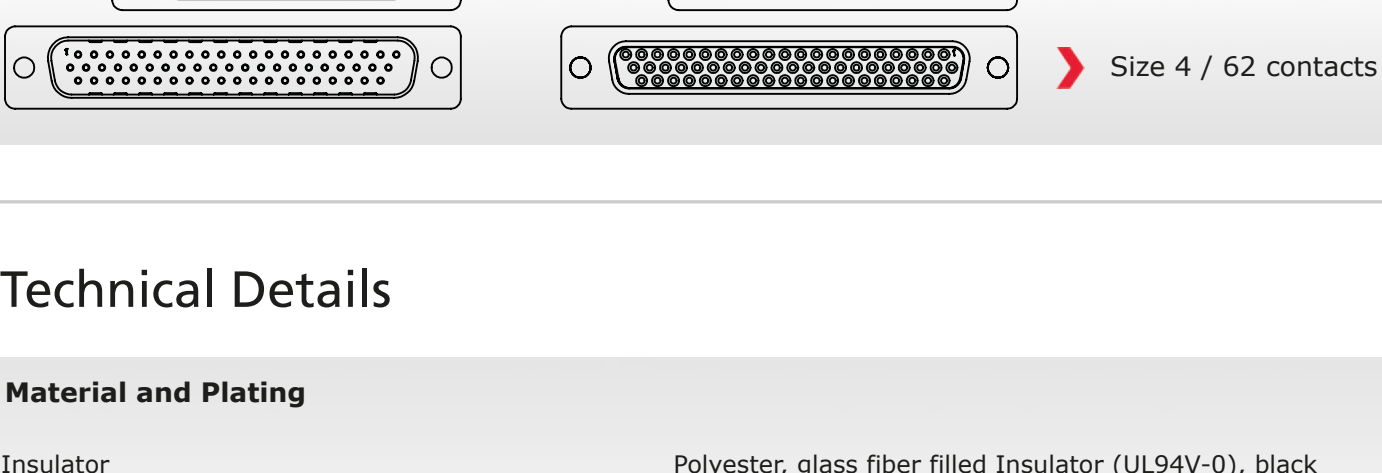
Advantages

- Our high performance High Density connectors are ideally suited, when space is limited. Typical fields for this kind of application are transportation, medical, test equipment, control devices and aviation.
- The turned contacts offer advantages with regard to current carrying capacity, contact variety, suitable plating and an increased mechanical strength.
- This series can be combined with all accessories from our D-Sub and hood ranges, enabling our Non-Magnetic, Waterproof and Dualport solutions to be optimally enhanced.

FCT electronic GmbH • Stahlgruberring 29 • 81829 München • Tel.: +49(0)89/420004-0 • sales@fctgroup.com

Technical Information

Sizes



Technical Details

Material and Plating

Insulator	Polyester, glass fiber filled Insulator (UL94V-0), black
Relative temperature index according to UL 746 B	130°C (266°F)
Heat deflection temperature limit according to DIN EN ISO 75-1/-2 HDT/A	210°C (410°F)
Sub temperature limit	-55°C (-67°F)
Shell	Steel
Shell Plating	Tin plated over nickel, pin connector shell with dimples
Contact material	Copper alloy
Performance class	G0/G1 > 500 Contact Cycles G2 > 200 Contact Cycles

Electrical Data

Current rating at room temperature	5A
Test voltage between 2 contacts / shell and contact	1200V/1min

All FCT High-Density connectors are available in many different combinations of material and platings. For example, shells can be supplied in a non-magnetic version made of brass, which can be electroless nickel, or gold plated for use in aerospace technology.

Products



Solder Pot Termination / AWG 22



90° PCB Termination
Available in different shapes
Available with a large number of accessories



Straight PCB Termination
Available in different contact lengths
Available with a large number of accessories



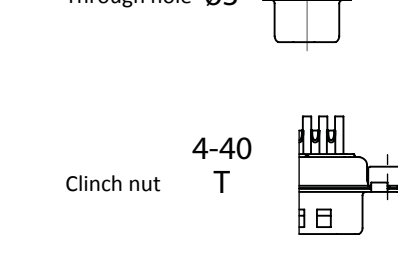
Crimp Termination
Contacts must be ordered separately
Available in different surfaces:
0.2 / 0.8 / 1.3 µm Gold



Compact connector with dual assembly
Available in sizes 15-way to 44-way
Various installation heights available



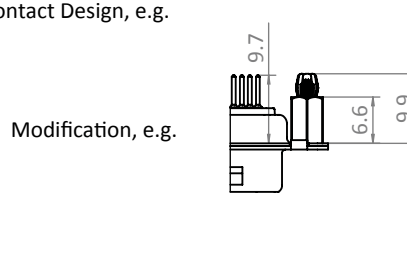
Shielded Right Angled Adapter
Suitable for robust application
May be used as a bracket adapter, eg. in narrow installation conditions



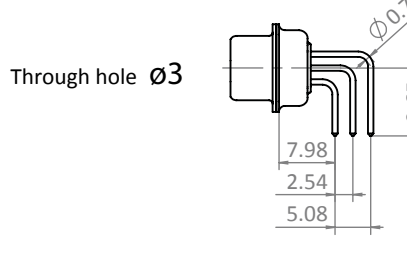
IP67
Available with straight & 90° contacts for PCB as well as solder termination
Solid and rust retardant due to zinc die-cast watertight frames

Order Details

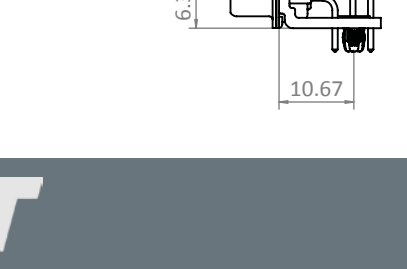
Machined High Density Contacts



Shell size	Plug	Receptacle	Performance y*
1	F09-15P0Gy*	F09-15S0Gy*	G1 = 500 Contact Cycles G2 = 200 Contact Cycles
2	F15-26P0Gy*	F15-26S0Gy*	
3	F25-44P0Gy*	F25-44S0Gy*	



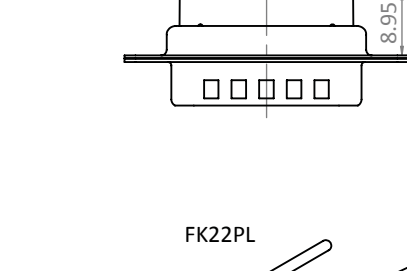
Shell size	Plug	Receptacle	Performance y*
1	FT09-15P0Gy*	FT09-15S0Gy*	G1 = 500 Contact Cycles G2 = 200 Contact Cycles
2	FT15-26P0Gy*	FT15-26S0Gy*	
3	FT25-44P0Gy*	FT25-44S0Gy*	



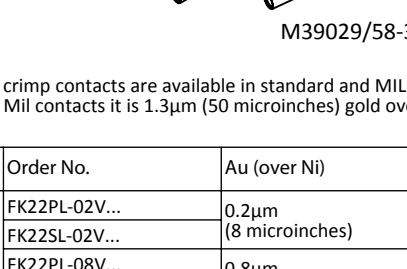
Shell size	Plug	Receptacle	Performance y*
1	FZ09-15P0Gy*	FZ09-15S0Gy*	G1 = 500 Contact Cycles G2 = 200 Contact Cycles
2	FZ15-26P0Gy*	FZ15-26S0Gy*	
3	FZ25-44P0Gy*	FZ25-44S0Gy*	



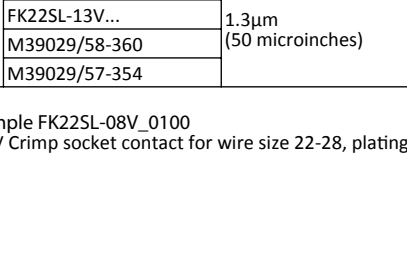
Shell size	Plug	Receptacle	Performance y*
1	F09-15P...Gy*	F09-15S0Gy*	G1 = 500 Contact Cycles G2 = 200 Contact Cycles
2	F15-26P...Gy*	F15-26S0Gy*	
3	F25-44P...Gy*	F25-44S0Gy*	



Shell size	Plug	Receptacle	Performance y*
1	F09-15P135Gy*-0982	F09-15S135Gy*-0982	G1 = 500 Contact Cycles G2 = 200 Contact Cycles
2	F15-26P135Gy*-1225	F15-26S135Gy*-1225	
3	F25-44P135Gy*-0982	F25-44S135Gy*-0982	



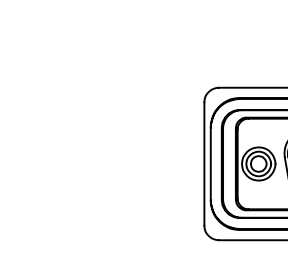
Shell size	Plug	Receptacle	Performance y*
1	F09-15P135Gy*-0982	F09-15S135Gy*-0982	G1 = 500 Contact Cycles G2 = 200 Contact Cycles
2	F15-26P135Gy*-1225	F15-26S135Gy*-1225	
3	F25-44P135Gy*-0982	F25-44S135Gy*-0982	



Shell size	Plug	Receptacle	Performance y*
1	F09-15P135Gy*-1225	F09-15S135Gy*-1225	G1 = 500 Contact Cycles G2 = 200 Contact Cycles
2	F15-26P135Gy*-1225	F15-26S135Gy*-1225	
3	F25-44P135Gy*-1225	F25-44S135Gy*-1225	

Order Details

Machined High Density Contacts



Shell size	Plug	Receptacle
1	FL09-15P7	FL09-15S7
2	FL15-26P7	FL15-26S7
3	FL25-44P7	FL25-44S7
4	FL37-62P7	FL37-62S7



The turned crimp contacts are available in standard and MIL versions. For the standard contacts, the plating is to 0.8µm (31 microinches) gold over nickel, and for the MIL contacts it is 1.3µm (50 microinches) gold over nickel.

Wire size	Order No.	Au (over Ni)	Type
AWG 22-28	FK22PL-02V...	0.2µm (8 microinches)	Pin
	FK22SL-02V...	0.2µm (8 microinches)	Socket
	FK22PL-08V...	0.8µm (31 microinches)	Pin
	FK22SL-08V...	0.8µm (31 microinches)	Socket
	FK22PL-13V...	1.3µm (50 microinches)	Pin
	FK22SL-13V...	1.3µm (50 microinches)	Socket
	M39029/58-360		Socket
	M39029/57-354		Socket

Packing Unit
0100 100 pieces are packed in one bag
1000 1000 pieces are packed in one bag
5000 5000 pieces are packed in one bag

Technical Data Specifications
Material Copper alloy
Contact size 22, pin ø0.76 mm (ø0.030")
Matching wire size AWG 24-28

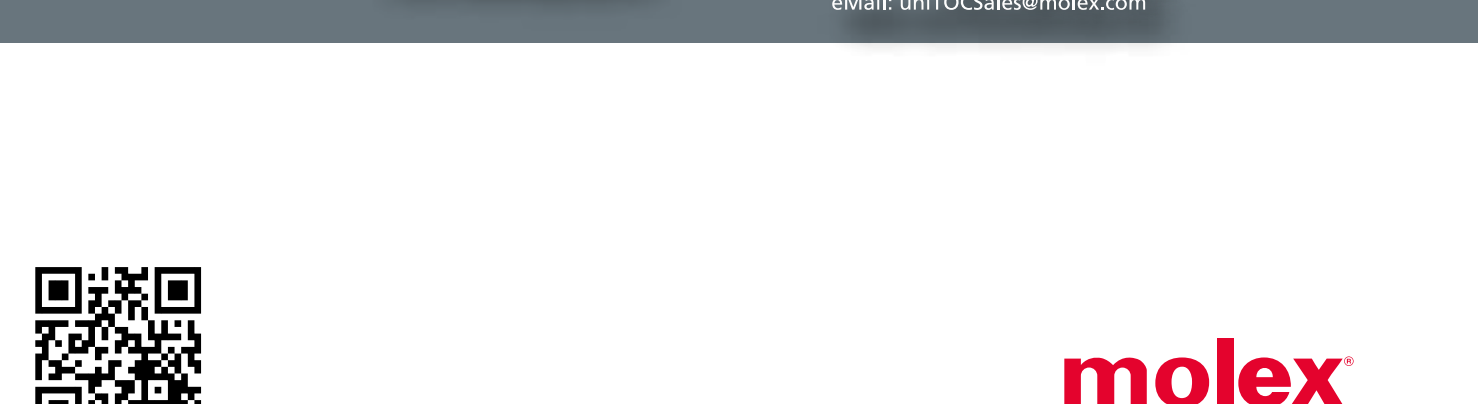
Order Example FK22SL-08V_0100
FK22SL-08V Crimp socket contact for wire size 22-28, plating 0.8µm (31 microinches) Au over Ni.



Different versions possible - Dual Port and Right Angled Adapter



Different versions with IP67 possible.



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