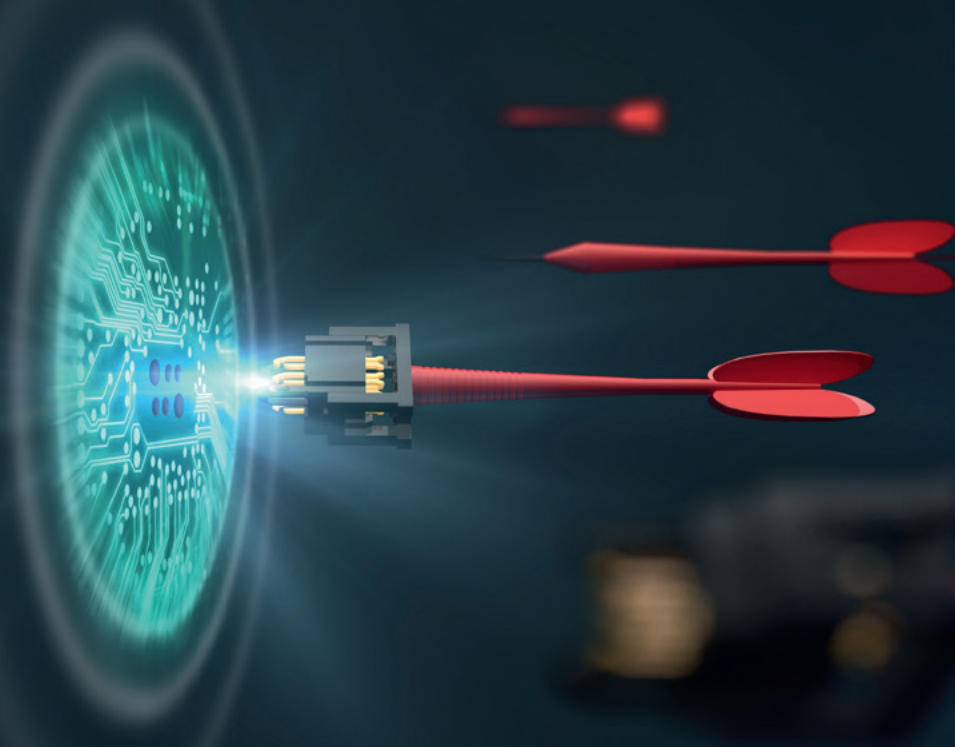


# Perfect match.



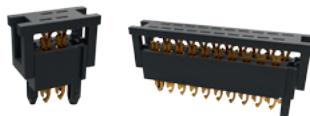
## #REDFIT

*WE speed up  
the future*

**REDFIT** IDC is a solderless reversible direct plug-in connector with SKEDD technology and insulation displacement connection. The SKEDD contacts are plugged directly into the plated through-holes of a PCB.

A complete part and a potential error source is eliminated. This results directly in higher process reliability, savings in space, material and process costs.

[www.we-online.com/REDFIT](http://www.we-online.com/REDFIT)



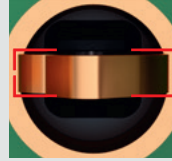
- SKEDD Direct Plug-in Technology
- IDC Connection
- Solderless Solution
- Simple to Plug & Unplug
- Min. 10 Mating Cycles
- Reverse Polarity Protection

# REDFIT IDC SKEDD CONNECTOR

## Characteristics



**IDC for Quick and Easy Half Pitch (1.27 mm) Cable Connection**



**4-Way Contact Principle for Reliable Electrical Connection**



**Reverse Polarity Protection of Plastic Housing for Correct Assembling**



**Tool-Free Mounting for Easy Plug and Unplug Process**

## Details

### Connection Technology

#### **Cable side: Insulation Displacement Connection**

- Direct Connection to Ribbon Flat Cable
- No Stripping
- All Strips are Contacted Simultaneously
- High Transmission Quality
- Permanent Connection Security

#### **PCB side: SKEDD Direct Plug-in Technology**

- Direct Connection to the Plated-Through Hole
- Multiple Mating Cycles
- Pluggable by Hand
- Low Contact Resistance
- Vibration-Resistant Connection

### Processing

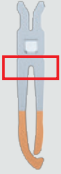
#### **Process Safety in Assembling**

- Red Cable Marking of Pin 1
- Reverse Polarity Protection of the Housing

#### **Maintenance Friendly in Field**

- Tool-Free Mounting on the PCB
- Quick Replacement during Maintenance

## SKEDD Contact Requirements



### Easy and Simple Plug-in Process

The precise design of the apex area keeps the SKEDD contact elastic to guarantee a low insertion force even for connectors with a high number of pins.



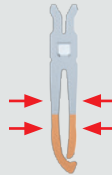
### Vibration-Proof Connection

At the end of the insertion process the contact normal contact force is high enough to ensure that no interruption occurs due to mechanical stress.



### Reversible Connection

The flexible fork-type arms of the SKEDD contact adapt in an elastic way to the plated through-hole to realize multiple mating cycles.



### Fitting Accuracy

The flexibility of the SKEDD contacts balances the grid tolerances within the PCB production to ensure the optimal interaction of connector and PCB.

## Applications & Benefits

### Applications

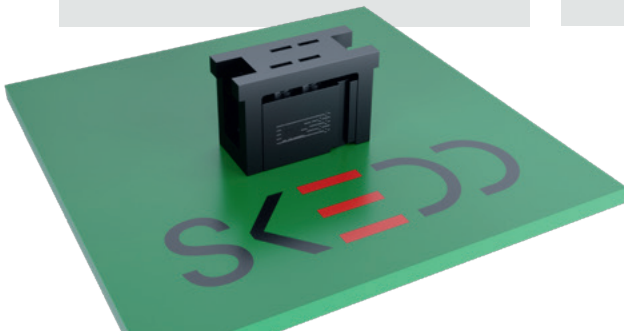
#### Connector for Signal Transmission, Programming and Debugging

- Consumer Electronics
- Solar Industry
- Industrial Electronics
- Mechanical Engineering
- Switch Board Construction

### Benefits

#### Loss of a complete part and potential error source on PCBs

- Quick and Easy Processing
- Space-saving Design
- Higher Process Reliability
- Reduction of Process Costs
- Lower Material Costs



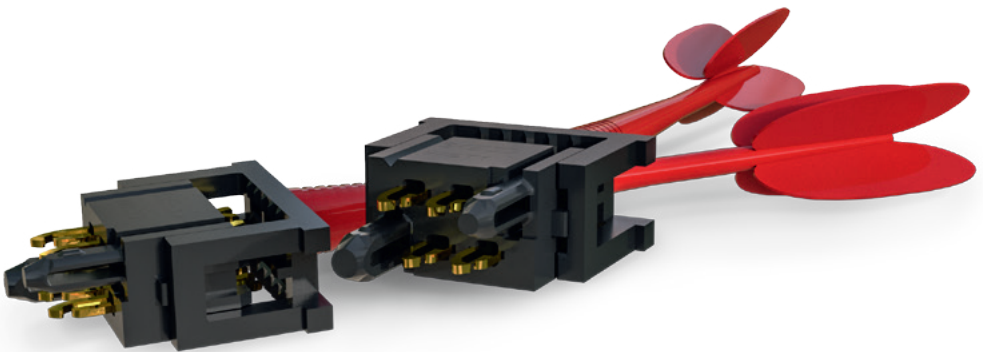
More information on:

[www.we-online.com/REDFIT](http://www.we-online.com/REDFIT)

# REDFIT IDC SKEDD CONNECTOR

## REDFIT IDC and Accessories

REDFIT IDC SKEDD Connector		Use with Flat Ribbon Cable
Order Code	Pins	Order Code
490 107 670 412	4	639 104 155 21
490 107 670 612	6	639 106 155 21
490 107 670 812	8	639 108 155 21
490 107 671 012	10	639 110 155 21
490 107 671 212	12	639 112 155 21
490 107 671 412	14	639 114 155 21
490 107 671 612	16	639 116 155 21
490 107 671 812	18	639 118 155 21
490 107 672 012	20	639 120 155 21



More information on:

[www.we-online.com/REDFIT](http://www.we-online.com/REDFIT)

