

PRESS-FIT TECHNOLOGY

Addressing the need for **high contact reliability and assembly-friendly contacts**, Interplex Press-Fit technology offers an excellent alternative to electro-mechanical interconnects without using solder.

With an expansive global footprint, we deliver solutions from anywhere in the world.



CUSTOMIZABLE

Available in **various sizes, materials, & plating finishes**, tailor-made to your end application needs.



QUALIFIED

Qualified to **IEC 60352-5**; **automotive qualified to IPC-9797** and other customized performance requirements.



RELIABLE

Many years of experience in custom applications; billions of our Press-Fits are in the field.



INDICOAT™

Option for IndiCoat™, a tin-free whisker mitigation plating developed by Interplex.

Compliant high normal force technology:

Accommodates coefficient of thermal expansion mismatch.



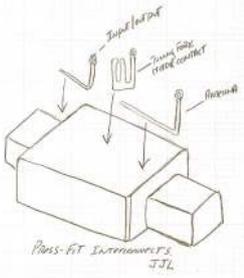
OUR CORE PRODUCT LINES

¹ Sn plated Press-Fit, 1mm. Sn PCB of thickness ≥ 1.6 mm
² After storage at room temperature for ≥ 24 hours

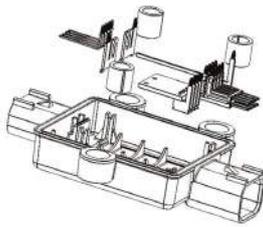
PRODUCT FAMILY	INTERPLEX PRESS-FIT TYPE	IMAGE	FINISHED PCB HOLE DIAMETER (MM)	INSERTION FORCE ¹	PUSH-OUT FORCE ^{1,2}
MINI	0.4 miniPLX		Ø0.55 - 0.65	≤ 100 N	≥ 15 N
MINI	0.4 miniEON		Ø0.55 - 0.65	≤ 70 N	≥ 15 N
SIGNAL	0.4 EON		Ø0.74 - 0.83	≤ 70 N	≥ 15 N
SIGNAL	0.64 EON		Ø1.0 - 1.1	≤ 100 N	≥ 30 N
POWER	0.8 EON		Ø1.45 - 1.55	≤ 180 N	≥ 60 N
HIGH POWER	1.2 EON		Ø2.0 - 2.1	≤ 180 N	≥ 60 N

APPLICATIONS

Press-Fit interconnects enables applications in high vibration and thermal cycling environments. It can be adapted to support a wide range of application requirements such as **power & EV, sensors & ADAS, high density & hybrid connectors, braking, electronic control** and a variety of other custom applications.



CONCEPT



DESIGN



PROTOTYPE



PRODUCTION



DIRECT INSERT TERMINALS

- > Body control modules
- > Power distribution centers
- > Door & window switch modules
- > Rear view mirrors



CUSTOMIZED CONNECTORS

- > Header connectors for small control modules
- > Switch assemblies
- > Board-to-board stacking
- > Wire-to-board connections



CUSTOM MOLDED MODULES

- > Control modules: Engine, brake, body and more
- > Sensors: Airbag, pressure and more
- > Actuator controls: Power steering, active suspension



POWER LEAD FRAMES

- > Wire-bondable Press-Fit connections
- > Excellent flatness & positional tolerance capabilities

WANT TO RECEIVE PRESS-FIT SAMPLES?

 [CLICK TO ORDER SAMPLES](#)

If you would like to enquire about Press-Fit, **chat with us!**

For more information, visit:
www.interplex.com/press-fit-technology/