

# Product Data Sheet

Zero8 plug low-profile shielded,  
Part No. 405-52132-51

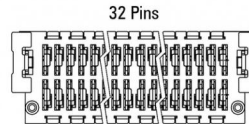
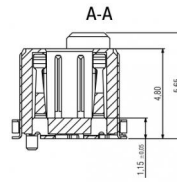
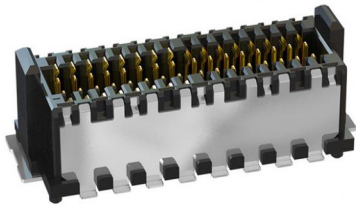


Illustration similar



Parallel



SMT



High Density



High Speed



Rugged



EMC

- 32 pins
- unmated stacking height: 1.15 mm
- EMC shielding
- SMT
- 0.8 mm pitch
- Performance level 1



» to product on [www.ept.de](http://www.ept.de)



» to product group Zero8

# Product Data Sheet

## Zero8 plug low-profile shielded, Part No. 405-52132-51



### Technical Specifications

#### Basics

Performance Level <i>IEC 60512-9-1:2010</i>	1
No. of Contacts	32
Termination Technology	SMT
Board-to-Board Distance	6.00 mm to 10.50 mm
Operating Temperature Range	-55°C to + 125°C

#### Material

Insulator Material	LCP, UL 94 V-0
CTI value <i>IEC 60112</i>	150
Contact Material	Copper alloy
Plating	Au over Ni
Termination area	Sn over Ni

#### Mechanical

Pitch	0.8 mm
Mating Force per Pin	≤ 0.5 N
Separating Force per Pin	≤ 0.4 N
Durability <i>IEC 60512-9-1</i>	500 mating cycles
Coplanarity	≤ 0.1 mm
Vibration, sinusoidal <i>IEC 60512-6-4</i>	10 - 2000 Hz, 20g
Contact mating problems if vibrations occur, sinusoidal <i>IEC 60512-2-5</i>	≤ 1 μs
Shock, semi-sinusoidal <i>IEC 60512-6-3</i>	50g, 11 ms
Contact mating problems if shock occur, semi-sinusoidal <i>IEC 60512-2-5</i>	≤ 1 μs

#### Electrical

Operational Current <i>IEC 60512-5-2</i>	1.7 A at 20°C (52 pins)
Contact Resistance <i>IEC 60512-2-1</i>	≤ 20 mΩ
Clearance and Creepage	0.25 mm
Insulation Resistance <i>IEC 60512-3-1</i>	> 5 GΩ
Test Voltage <i>IEC 60512-4-1</i>	500 VAC
Data Transfer Rate	16 Gbps

# Product Data Sheet

Zero8 plug low-profile shielded,  
Part No. 405-52132-51

---



## Technical Specifications

### Processing

---

Soldering Temperature 20 - 40 s at 260°C  
*JEDEC J-STD-020E*

MSL 1  
*JEDEC J-STD-020E*

Assembly Pick and Place

### Approval / Compliance

---

UL file E130314

Environment RoHS konform

# Product Data Sheet

Zero8 plug low-profile shielded,  
Part No. 405-52132-51

---



## Modifications

Available on request

- different number of pins
- other performance level

## Drawings

Component data in 2D and 3D format you can download here:

[» PDF](#)

[» 3D IGES](#)

[» 3D STEP](#)

[» 3D PDF](#)