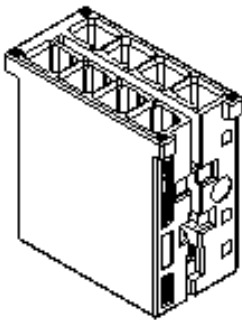


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**Part Number:** [0986851001](#)  
**Status:** **Active**  
**Description:** MOST Receptacle Power Connector, with TPA Lock, for 2.80mm Terminals, 8 Circuits, Black

**Documents:**  
[Drawing \(PDF\)](#) [Application Specification AS-98681-002-001 \(PDF\)](#)  
[Product Specification PS-98681-001-001 \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)

|                                    |                                                                                                                                                                                         |
|------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>General</b>                     |                                                                                                                                                                                         |
| Product Family                     | Crimp Housings                                                                                                                                                                          |
| Series                             | 98685                                                                                                                                                                                   |
| Application                        | Power, Wire-to-Board                                                                                                                                                                    |
| Comments                           | Part conforms to USCAR2 Rev. 3 and Ford SDS Rev. 10 / Terminal cavities designed for Tyco MPQ 2.80mm terminals                                                                          |
| More Detailed Tech Information     | <a href="http://uscar.org/guest/teams/10/Electrical-Wiring-Component-Applications-Partnership">http://uscar.org/guest/teams/10/Electrical-Wiring-Component-Applications-Partnership</a> |
| Product Name                       | MOST                                                                                                                                                                                    |
| UPC                                | 756054636756                                                                                                                                                                            |
| <b>Physical</b>                    |                                                                                                                                                                                         |
| Circuits (maximum)                 | 8                                                                                                                                                                                       |
| Color - Resin                      | Black, Natural                                                                                                                                                                          |
| Gender                             | Receptacle                                                                                                                                                                              |
| Glow-Wire Capable                  | No                                                                                                                                                                                      |
| Lock to Mating Part                | Yes                                                                                                                                                                                     |
| Material - Resin                   | Modified Polystyrene, Polyester                                                                                                                                                         |
| Net Weight                         | 3.490/g                                                                                                                                                                                 |
| Number of Rows                     | 2                                                                                                                                                                                       |
| Packaging Type                     | Bag                                                                                                                                                                                     |
| Panel Mount                        | No                                                                                                                                                                                      |
| Pitch - Mating Interface           | 5.08mm                                                                                                                                                                                  |
| Stackable                          | No                                                                                                                                                                                      |
| Temperature Range - Operating      | -40° to +85°C                                                                                                                                                                           |
| <b>Electrical</b>                  |                                                                                                                                                                                         |
| Current - Maximum per Contact      | 24.0A                                                                                                                                                                                   |
| <b>Solder Process Data</b>         |                                                                                                                                                                                         |
| Lead-freeProcess Capability        | N/A                                                                                                                                                                                     |
| <b>Material Info</b>               |                                                                                                                                                                                         |
| <b>Reference - Drawing Numbers</b> |                                                                                                                                                                                         |
| Application Specification          | AS-98681-002-001                                                                                                                                                                        |
| Product Specification              | PS-98681-001-001                                                                                                                                                                        |
| Sales Drawing                      | SD-98685-001-001                                                                                                                                                                        |



Series image - Reference only

**EU ELV**  
**Compliant**

**EU RoHS** **China RoHS**  
**Compliant**  
**REACH SVHC**  
Not Contained Per -  
D(2021)4569-DC (8  
July 2021)  
**Halogen-Free**  
**Status**  
**Low-Halogen**  
For more information, please visit [Contact US](#)

China ROHS      Green Image  
ELV      Compliant  
RoHS Phthalates      Not Contained

**Search Parts in this Series**  
[98685 Series](#)

**Mates With**  
[986811001](#) , [986811002](#) , [91500](#)

**Use With**  
2.8mm MPQ terminals

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