

**PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION**

**Part Number:** [1728700810](#)  
**Status:** **Active**  
**Overview:** [MediSpec Product Family](#)  
**Description:** MPC Plug, Positive Latch, 8 Circuits, IP50

**Documents:**

[Drawing \(PDF\)](#) [Product Literature \(PDF\)](#)  
[RoHS Certificate of Compliance \(PDF\)](#)

**General**

Product Family	I/O Connectors
Series	<a href="#">172870</a>
Application	Wire-to-Wire
Component Type	Plug
Overview	<a href="#">MediSpec Product Family</a>
Product Literature Order No	987651-1813
Product Name	MPC
Type	N/A
UPC	191128156080

**Physical**

Circuits (Loaded)	8
Circuits (maximum)	8
Color - Resin	Black
Durability (mating cycles max)	10000
Gender	Male
Keying to Mating Part	Yes
Lock to Mating Part	Yes
Material - Metal	Copper Alloy
Material - Plating Mating	Gold over Nickel
Material - Plating Termination	Tin
Material - Resin	Medical Grade PPSU
Net Weight	4.720/g
Orientation	Straight
Packaging Type	Embossed Tape on Reel
Panel Mount	N/A
Pitch - Mating Interface	N/A
Plating min - Mating	0.762µm
Polarized to Mating Part	Yes
Temperature Range - Operating	-40° to +105°C
Termination Interface: Style	Solder Cup
Waterproof / Dustproof	Yes
Waterproof / Dustproof Type	IP50

**Electrical**

Current - Maximum per Contact	1.6A
Voltage - Maximum	300V AC (RMS)

**Material Info**

**Reference - Drawing Numbers**

Sales Drawing	1728700810-SD-000
---------------	-------------------



**EU ELV**

**Not Relevant**

**EU RoHS**

**Compliant**

**REACH SVHC**

Not Contained Per  
-ED/88/2018 (15  
January 2019)

**Halogen-Free**

**Status**

**Low-Halogen**

For more information, please visit [Contact US](#)

China ROHS

ELV

RoHS Phthalates

**China RoHS**

Green Image

Not Relevant

Not Contained

**Search Parts in this Series**

[172870 Series](#)

**Mates With**

MPC PanelMount Receptacle [1728600810](#)  
 <br>MPC In-Line Receptacle [2030200810](#)  
 <br>MPC Shrouded InLine Receptacle  
[2024050810](#)