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

Documents:

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

General

Product Family	I/O Connectors
Series	172870
Application	Wire-to-Wire
Component Type	Plug
Overview	MediSpec Product Family
Product Literature Order No	987651-1813
Product Name	MediSpec™ 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	Bag, 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°C 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
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Series image - Reference only

EU ELV

Not Reviewed

EU RoHS

Not Reviewed

REACH SVHC

Not Reviewed

Halogen-Free

Status

Not Reviewed

Need more information on product environmental compliance?

Email productcompliance@molex.com
Please visit the [Contact Us](#) section for any non-product compliance questions.

China ROHS	Not Reviewed
ELV	Not Reviewed
RoHS Phthalates	Not Reviewed

Search Parts in this Series

[172870 Series](#)

Mates With

MediSpec™ MPC Panel-Mount Receptacle [172860-0810](#)
MediSpec™ MPC In-Line Receptacle [203020-0810](#)
MediSpec™ MPC Shrouded In-Line Receptacle [202405-0810](#)