

METABEE

DisplayPort Connectors





Metabee (Chengdu) Technology Co., Ltd.

180+
Countries

300+
Workers

20,000 M²
Production Workshop

16M
Group Assets

Metabee (Chengdu) Technology Co., Ltd. established in 2022 located in Sichuan Province with convenient transportation. Our associated factory Jiangmen Dosin specialize in producing RF connectors, M series connectors, and cables.

We are committed to being the world's leading Manufacturer of electronic connectors and industrial cables. We have developed more than 20 product series and more than 5,000 varieties. These products have been widely sold to many countries and regions around the world. They are mainly used for outdoor lighting automation machinery, new energy vehicles, charging equipment, electricity generation facilities, and other industries.

We can also support OEM ODM and customized related products. All products have owned American UL, German TUV, and Europe CE ROHS certifications and have several design patents. Our associated factory has production workshop with an area of 20,000 square meters, more than 300 employees, 30 international advanced production lines, and tens of precision testing equipment. Moreover, we have constructed a specialized laboratory for product research and development. Our reliable product quality, good service, and rapid technical have helped us win many customers in China and overseas markets.

Metabee (Chengdu) Technology Co., Ltd. has become the leading technology and scale Enterprise in the connector field. We have a reliable reputation among our customers because of our professional services, quality products, and competitive prices. We welcome customers from home and abroad to cooperate with us for Common success.



DisplayPort & Mini DisplayPort

1. Overview

The Metabee DisplayPort series offers a high-bandwidth digital interface designed to deliver true digital imaging, vibrant colors, and crystal-clear sound—all through a single, compact plug that also supports power delivery. The architecture features four main links, one auxiliary channel, and one hot-plug signal line. Metabee DisplayPort connectors are engineered to work flawlessly across a broad array of devices, including printers, televisions, camcorders, cameras, and DVD players. Fully compliant with industry standards, our connectors also offer seamless backwards compatibility with VGA, DVI, and HDMI.

Features & Specifications

Features:

- Ultra small size package
- Hot Pluggable
- Supports color depth of 6, 8, 10, 12 and 16 bits per color components
- Supports a maximum of 8.64 Gbit/s data rate over a 2 meter cable
- Can be used in applications up to 15 meters (49.21 feet)

Mating Connectors:

All industry standard DisplayPort connectors

Packaging:

Anti-ESD plastic trays or tubes

Specifications:

Material:

Insulator: LCP, Glass filled, rated UL94V-0

Insulator Color: Black

Shell: Copper Alloy, nickel plated

Contacts: Copper Alloy

Contact Plating:

Gold over nickel underplate on mating area, Tin over Copper underplate on tails

Electrical:

Operating Voltage: 40V AC

Current Rating: 0.5 Amps max.

Contact Resistance: 30 mΩ max.

Insulation Resistance: 100 MΩ min.

Dielectric Withstanding Voltage: 500V AC for 1 minute

Mechanical:

Mating Cycles: 10,000 Cycles Min

Temperature Ratings:

Operating Temperature: -20°C to +85°C

Part Number Configuration

DPC-M - S - RA - SMT

Series:	Ports:	Rentry Angle:	Mounting:	Options:
DPC-M = DisplayPort Male DPC-F = DisplayPort Female	S = Single D = Dual	RA = Right Angle	Black = Thru Hole SMT = Surface Mount TSMT = True Surface Mount	<i>Add designator(s) to end of part number</i> MF = Mounting Flange BL = Board Lock P = Pegs NL = No Latch L = Latch NR = No Rib T/R = Tap and Reel Packaging

MDPC - S - RA

Series:	Ports:	Rentry Angle:	Options:
MDPC = Mini DisplayPort Connector MDPC-PLUG = Mini DisplayPort Plug	S = Single D = Dual Black for plugs	RA = Right Angle VT = Right Vertical Black for plugs	<i>Add designator(s) to end of part number</i> MF = Mounting Flange PCB = Board Lock

Part Numbers	Gender	Version	Mounting Orientation	Features
DPC-F-S-RA-CS2-BL-15-EMI	Receptacle	DisplayPort	Right Angle Thru Hole	Board Locks
DPC-F-S-RA-SMT-BL	Receptacle	DisplayPort	Right Angle Surface Mount	Board Locks
DPC-F-S-RA-SMT-BL-TR	Receptacle	DisplayPort	Right Angle Surface Mount	Board Locks
DPC-F-S-RA-SMT-P-BL	Receptacle	DisplayPort	Right Angle Surface Mount	Board Locks
DPC-F-S-RA-SMT-P-CS2-15-TR	Receptacle	DisplayPort	Right Angle Surface Mount	Peg
DPC-F-S-VT-CS1	Receptacle	DisplayPort	Vertical Thru Hole	
DPC-M-SD-CS1	Plug	DisplayPort	Right Angle Surface Mount	
DPC-M-SD-CS1-NL	Plug	DisplayPort	Right Angle Surface Mount	
DPC-M-SD-M2-L	Plug	DisplayPort	Right Angle Surface Mount	
DPD-DP-20S-HDMI19S-H	Receptacle	DisplayPort / HDMI Stacked Combo	Right Angle Thru Hole	
MDPC-S-RA	Receptacle	Mini DisplayPort	Right Angle Thru Hole	
MDPC-S-VT-PCB	Receptacle	Mini DisplayPort	Straddle Mount	

Thanks for Watching!

Our team of passionate experts brings a wealth of experience to the table, ready to collaborate with you and unlock your full potential. By joining forces, we can create innovative solutions and achieve remarkable things.



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