



**THE DATASHEET OF**  
**124018312112A**



# Waterproof USB Type C

## WITH IPX8 AND SUPPORTS USB 2.0, USB 3.2 GEN 1, USB 3.2 GEN 2 AND USB 4

The usability of Waterproof Type C is with strong IP performance and unique IP technology to ensure each part meets the high quality of waterproof performance.

- IPX8 Waterproof
- High-speed transmission up to 40Gb/s super speed
- Power rating up to 240W
- Optimized contact design for superior signal integrity performance
- Reversible plug and cable orientation



### TARGET MARKETS



### FEATURES

- Unique Liquid silicone rubber technology
- Support a variety of USB protocols
- High power and fast charging
- Mid-plate tongue design
- Unique O-ring technology (LIM) for waterproof
- All-in-one simplicity

### BENEFITS

- Offers superior bonding with outer shell to prevent water ingress
- Offers product portfolio for USB 2.0, USB 3.2 Gen 1, USB 3.2 Gen 2, USB 4 products
- Extended 5A current rating for USB power delivery and up to 240W
- Ensure high reliability while preventing damage from connector mishandling
- Reach IPX4 ~ X8 rating
- Support power delivery, data transfer, video output in one connector

## TECHNICAL INFORMATION

### MATERIAL

- Housing: LCP UL94-V0
- Molding Housing: Black, High temperature plastic
- Top Terminal: Copper Alloy
- Bottom Terminal: Copper Alloy
- Mid Plate: Stainless Steel
- Outer Shell: Stainless Steel
- Main Shell: Stainless Steel
- Small Shell: Stainless Steel

### MECHANICAL PERFORMANCE

- Durability: 10000 cycles
- Insertion Force: 5~20N
- Extraction Force: 8~20N

### ELECTRICAL PERFORMANCE

- Low Level Contact Resistance: 40mΩ max.
- Insulation Resistance: 100mΩ min.
- Contact Current Rating: 5A max.
- Dielectric Withstanding Voltage: 100VAC

### PACKAGING

- Tape & Reel

### SPECIFICATION

- Amphenol Product Specification

### APPROVALS AND CERTIFICATIONS

- RoHS
- Halogen-free

### ENVIRONMENTAL

- Operating Temperature Range: -40°C to +85°C

### TARGET MARKETS/APPLICATIONS



Automotive Infotainment



Notebook Docking  
Tablet  
Peripherals (Monitor/Display, Projector...)  
Home Entertainment



Storage



## PART NUMBERS

Description	Part Numbers
USB 4 Gen 3, Type C, Receptacle, R/A, Mid mount, Center Height 0.4mm, Dual Row SMT, IPX8	12402060E512A
USB 4 Gen 3, Type C, Receptacle, R/A, Mid mount, Center Height 0.4mm, Dual Row SMT, IPX8	12402136E512A
USB 4 Gen 3, Type C, Vertical, Length 7.5mm, Dual Row SMT, IPX8	2402082E512A
USB 3.2 Gen 1, Type C, Receptacle, R/A, Top mount, Center Height 1.5mm, Dual Row SMT, IPX4	124019362112A
USB 3.2 Gen 1, Type C, Receptacle, R/A, Top mount, Center Height 1.5mm, Dual Row SMT, IPX8	124018802112A
USB 3.2 Gen 1, Type C, Receptacle, R/A, Top mount, Center Height 1.5mm, Dual Row SMT, IPX8	124018792112A
USB 3.2 Gen 1, Type C, Receptacle, R/A, Top mount, Center Height 1.5mm, Dual Row SMT, IPX8	124018612112A
USB 3.2 Gen 1, Type C, Receptacle, R/A, Mid mount, Center Height 0.4mm, Dual Row SMT, IPX4	124019032112A
USB 3.2 Gen 1, Type C, Receptacle, R/A, Mid mount, Center Height 0.4mm, Dual Row SMT, IPX8	124018312112A
USB 3.2 Gen 1, Type C, Receptacle, R/A, Mid mount, Center Height 0.4mm, Dual Row SMT, IPX8	124019142112A
USB 2.0, Type C, Receptacle, R/A, Top mount, Center Height 1.5mm, Dual Row SMT, IPX8	124019772112A
USB 2.0, Type C, Receptacle, R/A, Top mount, Center Height 1.5mm, Dual Row SMT, IPX8	124020242112A
USB 2.0, Type C, Receptacle, R/A, Top mount, Center Height 1.5mm, Dual Row SMT, IPX8	12402214E512A
USB 2.0, Type C, Receptacle, R/A, Top mount, Center Height 1.58mm, Dual Row SMT, IPX8	12402050E512A

CMI0USB TYPEC0124EA4

## Looking for pricing, stock, or lifecycle information?

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