Universal Flash Storage (UFS) Connector

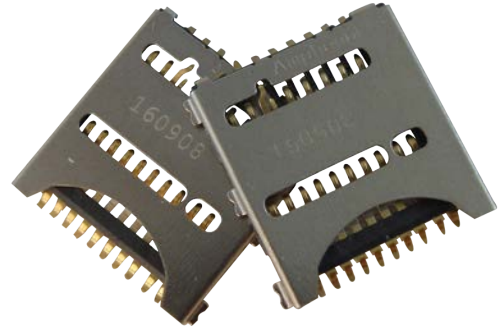## NEXT–GENERATION MEMORY CARD; BACKWARD COMPATIBLE

Universal Flash Storage (UFS) Connector is designed to meet the increasing demands for higher speeds and storage capacity in commercial and non–commercial devices.

It supports high read/write and transmission speed required by next–generation applications and is backward compatible with Micro SD.

- First to offer card socket products used for both UFS and Micro SD cards
- Backward compatible connector design
- 5x faster than existing memory card types
- Supports next–generation UFS cards
- High durability

NEW

TARGET MARKETS

FEATURES

- New connector design for next–generation UFS cards
- 19pin connector, backward compatible with Micro SD
- Data transfer speeds of up to 6Gb/s
- Robust mating mechanism that ensures reliable connector
- Up to 5000 mating cycles

BENEFITS

- Supports next–generation performance
- Provides higher adaptability and practicability
- 5x faster than existing memory card types
- Supports high durability performance
- Specially targets demanding application that requires higher speed and storage capacities

*For more information, please visit https://ufsa.org

Universal Flash Storage (UFS) Connector

TECHNICAL INFORMATION

MATERIAL

- Housing: High Temperature Thermoplastic, UL94V–0, Black
- Contact: Corson Alloy
- Shell: Stainless steel

MECHANICAL PERFORMANCE

- Durability: 5000 mating cycles
- Normal Force: 30gf/pin min.

APPROVALS AND CERTIFICATIONS

- RoHS

PACKAGING

- Tray/Tape

ELECTRICAL PERFORMANCE

- Contact Resistance: 100mΩ max.
- Dielectric Withstanding Voltage: 500VAC max. (1 minute)
- Insulation Resistance: 1000mΩ min.
- Current Rating: 0.5A AC/DC max.
- Voltage Rating: 100V rms min.

ENVIRONMENTAL

- Storage Temperature: −40°C to + 85°C
- Operating Humidity Range: 95% R.H. max.
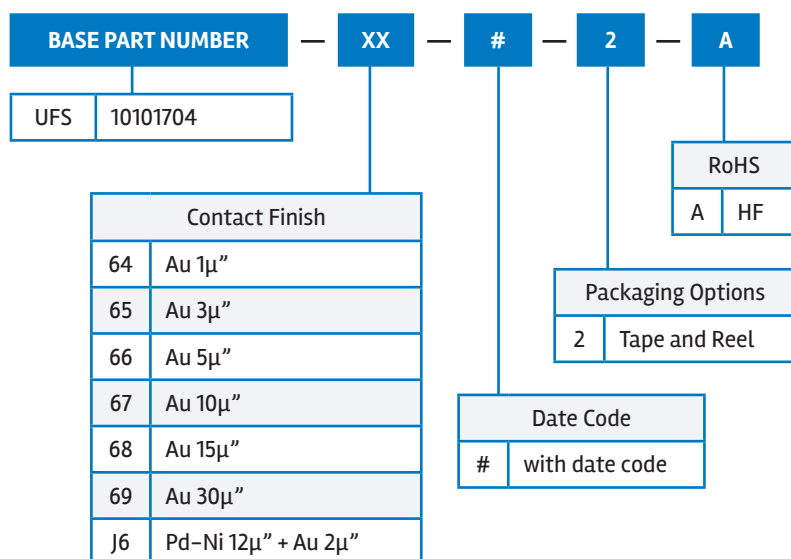- Operating Temperature: −25°C to + 85°C

SPECIFICATION

- Amphenol Product Specification: UFS Card Series Spec

TARGET MARKETS/APPLICATIONS

Mobile Phones
Tablets
Virtual reality cameras
Augmented reality cameras
Unmanned aerial vehicles (UAV)

PART NUMBER SELECTOR

BASE PART NUMBER	—	XX	—	#	—	2	—	A

UFS	10101704

Contact Finish

64	Au 1μ"
65	Au 3μ"
66	Au 5μ"
67	Au 10μ"
68	Au 15μ"
69	Au 30μ"
J6	Pd–Ni 12μ" + Au 2μ"

Date Code

#	with date code

Packaging Options

2	Tape and Reel

RoHS

A	HF

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[Amphenol](#):
  [1010170469#2A](#) [10101704J6#2A](#)