

# RUGGED MICRO FLYOVER SOCKET SYSTEM

## SPECIFICATIONS

For complete specifications and recommended PCB layouts see [www.samtec.com?UEC5](http://www.samtec.com?UEC5)

**Insulator Material:** Black LCP  
**Contact Material:** BeCu  
**Plating:** Au or Sn over 50 μm (1.27 μm) Ni  
**Current Rating:** 1.8 A per pin (2 pins powered)  
**Operating Temp Range:** -55° C to +125° C  
**RoHS Compliant:** Yes

## PROCESSING

**Lead-Free Solderable:** Yes  
**SMT Lead Coplanarity:** (0.10 mm) .004" max

## RECOGNITIONS

For complete scope of recognitions see [www.samtec.com/quality](http://www.samtec.com/quality)



**Note:** Some lengths, styles and options are non-standard, non-returnable.

UEC5	NO. OF POSITIONS	DATA RATE	PLATING OPTION	D	RA	WELD TAB	OPTION
	<b>-019</b> (Per Row)	<b>-1</b> = Up to 16 Gbps <b>-2</b> = 28 Gbps+	<b>-H</b> = 30 μm (0.76 μm) Gold on contact, Gold flash on tail			<b>-1</b> = Through-hole	Leave blank for -2 Data Rate <b>-A</b> = Alignment Pin

**EDGE RATE**  
CONTACT

**UEC5-019-2-X-D-RA**

**Note:** PCB footprints are not interchangeable for -1 and -2 data rate versions.

**UEC5-019-1-X-D-RA-A**

## SPECIFICATIONS

For complete specifications and recommended PCB layouts see [www.samtec.com?UCC8](http://www.samtec.com?UCC8)

**Insulator Material:** Black LCP  
**Contact Material:** BeCu  
**Weld Tab:** Copper Alloy  
**Plating:** Au or Sn over 50 μm (1.27 μm) Ni  
**Current Rating:** 2.6 A per pin (1 pin powered)  
**Operating Temp Range:** -55° C to +125° C  
**RoHS Compliant:** Yes

## PROCESSING

**Lead-Free Solderable:** Yes  
**SMT Lead Coplanarity:** (0.10 mm) .004" max

## RECOGNITIONS

For complete scope of recognitions see [www.samtec.com/quality](http://www.samtec.com/quality)



**Note:** Some lengths, styles and options are non-standard, non-returnable.

UCC8	NO. OF POSITIONS	1	PLATING OPTION	S	WELD TAB	A
	<b>-010</b>		<b>-H</b> = 30 μm (0.76 μm) Gold on contact, Gold flash on tail		<b>-1</b> = Through-hole	

**UCC8-010-1-H-S-1-A**

**APPLICATION**

**ECUO**

The UEC5 and UCC8 connectors were designed to work specifically with the FireFly™ flyover system. They were not designed for use with mating cards other than those used with FireFly™. Please see [samtec.com/edgecard](http://samtec.com/edgecard) or contact the CustomerEngineeringSupport@samtec.com for other edge card options.

**Patents:** 8588562, 8588561 additional patents pending  
 Due to technical progress, all designs, specifications and components are subject to change without notice.