



**UEC5, UCC8 SERIES**

# RUGGED MICRO FLYOVER™ SOCKET SYSTEM

**SPECIFICATIONS**

For complete specifications and recommended PCB layouts see [www.samtec.com?UEC5-1](http://www.samtec.com?UEC5-1) or [www.samtec.com?UEC5-2](http://www.samtec.com?UEC5-2)

**Insulator Material:** Black LCP  
**Contact Material:** BeCu  
**Plating:** Au or Sn over 50 μ" (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>Mates with:</b> ECUE, ECUO, PCUO, PCUE, ETUO <b>EDGE RATE CONTACT</b>	 <b>-019</b> (Per Row)	 <b>-1</b> = Up to 16 Gbps <b>-2</b> = 28 Gbps+	 <b>-H</b> = 30 μ" (0.76 μm) Gold on contact, Gold flash on tail (-1 Data Rate only) <b>-H</b> = 30 μ" (0.76 μm) Gold on contact, Matte Tin on tail (-2 Data Rate only)	 <b>-1</b> = Through-hole <b>-2</b> = Surface Mount (Data Rate -1 only)	 <b>-1</b> = Alignment Pin (Available with Data Rate -1 only)	 <b>-1</b> = Through-hole	 <b>-A</b> = Alignment Pin (Available with Data Rate -1 only)

**Note:** PCB footprints are not interchangeable for -1 and -2 data rate versions.  
**Patents:** 8588562, 8588561 additional patents pending

**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 μ" (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	PLATING OPTION	S	WELD TAB	A
 <b>Mates with:</b> ECUE, ECUO, PCUO, PCUE, ETUO	 <b>-010</b>	 <b>-H</b> = 30 μ" (0.76 μm) Gold on contact, Gold flash on tail	 <b>-1</b> = Through-hole	 <b>-1</b> = Through-hole	 <b>-A</b>

**APPLICATION**

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](mailto:CustomerEngineeringSupport@samtec.com) for other edge card options.

Due to technical progress, all designs, specifications and components are subject to change without notice.

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