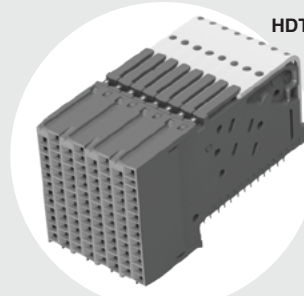


# XCede HD

(1.80 mm) .071"

# XCede® HD BACKPLANE RECEPTACLE

HDTF SERIES



HDTF-4-08-S-RA-LC-100



HDTF-4-04-S-RA-LC-100

## SPECIFICATIONS

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

**Insulator Material:** Liquid Crystal Polymer  
**Contact Material:** Copper Alloy

**Plating:**

Sn or Au over 50 μ" (1.27 μm) Ni

**Operating Temp Range:**

-40 °C to +105 °C

**Current Rating:**

Testing Now!

**RoHS Compliant:**

Yes

## RECOGNITIONS

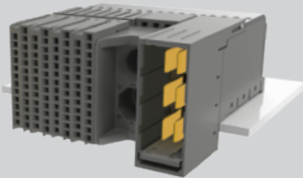
For complete scope of recognitions see [www.samtec.com/quality](http://www.samtec.com/quality)



FILE NO. E111594

Mates with:  
HDTM

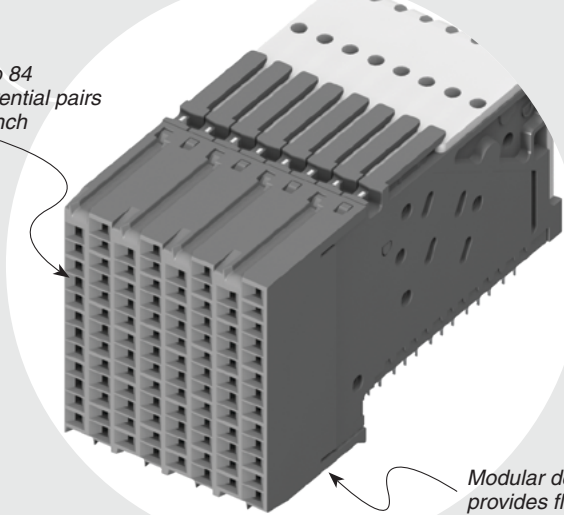
## ALSO AVAILABLE (Customer Defined Configurations)



Power and keying/guidance modules also are available but require a single customizable BSP product. A BSP product is built by combining any number, in any configuration, of HDTFs, power and keying/guidance modules to create one receptacle.

Contact HSBP@samtec.com for more information about building a BSP product.

Up to 84 differential pairs per inch



Modular design provides flexibility in applications

## TOOLING

- For press-fit extraction and insertion tool options, visit [www.samtec.com/tooling](http://www.samtec.com/tooling)

## HDTF — PAIRS PER COLUMN — NO. OF COLUMNS — PLATING — RA — WAFERS — IMPEDANCE

-3, -4, -6  
= Pairs Per Column

-04  
= Four Columns

-06  
= Six Columns

-08  
= Eight Columns

-S  
= 30 μ" (0.76 μm)  
Gold in contact area,  
Matte Tin on tail

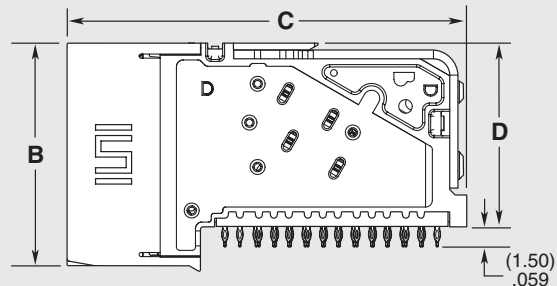
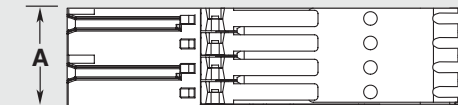
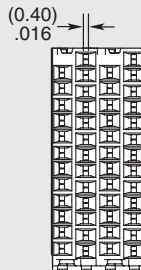
-LC  
= Standard

-HS  
= High-Speed

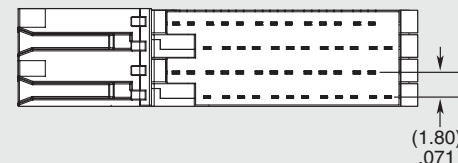
-100  
= 100 Ω

-085  
= 85 Ω

NO. OF COLUMNS	A
-04	(7.2) .28
-06	(10.8) .42
-08	(14.4) .57



PAIRS PER COLUMNS	B	C	D
-3	(12.8) .50	(26.0) 1.02	(9.80) .386
-4	(16.4) .64	(29.4) 1.16	(13.5) .53
-6	(23.6) .93	(36.6) 1.44	(20.7) .81



**Note:**  
XCede® is a registered trademark of Amphenol.

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

[WWW.SAMTEC.COM](http://WWW.SAMTEC.COM)

All parts within this catalog are built to Samtec's specifications. Customer specific requirements must be approved by Samtec and identified in a Samtec customer-specific drawing to apply.