

(1.80 mm) .071"

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

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

HDTF SERIES

XCede[®] HD BACKPLANE RECEPTACLE

SPECIFICATIONS

For complete specifications and recommended PCB layouts see www.samtec.com/HDTF

Insulator Material:
Liquid Crystal Polymer
Contact Material:
Copper Alloy

Plating:

Sn or Au over
50 μ " (1.27 μ m) Ni

Operating Temp Range:
-40 °C to +105 °C

Current Rating:
Testing Now!

RoHS Compliant:
Yes

RECOGNITIONS

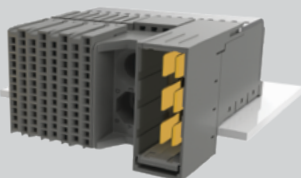
For complete scope of recognitions see www.samtec.com/quality



FILE NO. E111594

Mates with:
HDTM

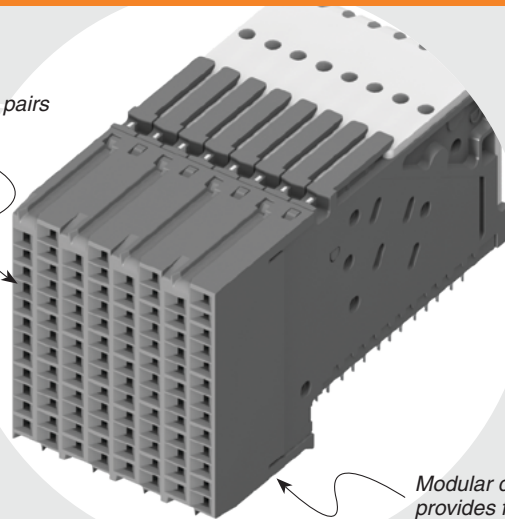
ALSO AVAILABLE (Customer Defined Configurations)



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

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 μ m)
Gold in contact area,
Matte Tin on tail

—LC
= Standard

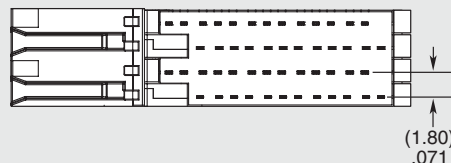
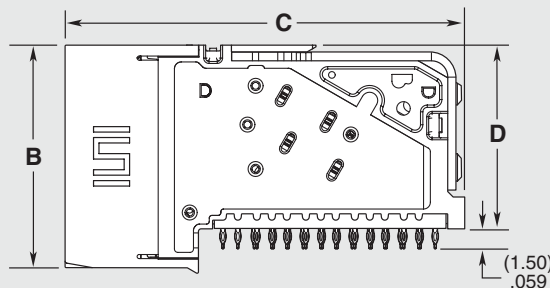
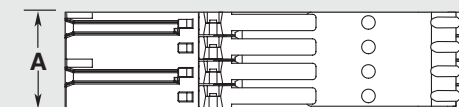
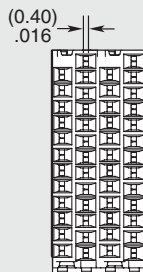
—HS
= High-Speed

—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

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.