

Product Name: ZX127HSEC6-84H Samtec GENERATE HSEC6 / Mini Cool Edge IO , MCIO, edge card breakout adapter – Page 1 OF 2

Product Description: ZX127HSEC6-84H is Samtec HSEC6 0.6mm pitch also referred as Mini Cool Edge IO , MCIO / SFF-TA-1002 , edge card breakout adapter. ZX127HSEC6-84H is designed for real-time electrical test & measurements, signal integrity , characterization, manufacturing loopback test applications.

ZX127HSEC6-84H is breakout adapter, supporting Samtec GENERATE HSEC6 / MCIO edge card 0.6mm pitch connectors using 1.6mm PCB thickness. It provides full access to all HSEC6 / MCIO connector's signals via onboard headers for purpose of test & measurement.

- 1- Provides access to all Samtec HSEC6 / MCIO signals via onboard headers.
- 2- The headers are standard 0.1" (2.54mm) pitch.
- 3- Listed number adjacent to each header's pin is in reference to the Samtec HSEC6 / MCIO connector's pin.
- 4- All traces are impedance controlled.
- 5- Four, 4, layers PCB design, inner layers are GND planes.
- 6- Accessible GND test point, The test point is connected to inner GND planes.
- 7- Ease of interface with single channel and differential scope probes.
- 8- Flying lead wire assembly or similar is recommended – See ordering information

Electrical: Insertion loss > -2dB @6GHz
Trace impedance: 50 Ω
Operating Temperature: -55°C to +125°C
Edge Card Connector:

Mates with: Samtec HSEC6 / MCIO 0.60mm pitch connector
Pitch: 0.60mm pin to pin pitch
Thickness: 1.6mm (0.062")
Plating: 10μ" (0.25μm)

Header:
Pitch: 0.1" (2.54mm) pin to pin pitch
Pin: Square 0.025" (0.635mm)
Height: 0.24" (6mm)
Plating: Gold Flash

Application: Manufacturing test measurement & re-use, design, testing , debugging loopback test, characterization , pre-bringup , bringup , interface

Mates with : Samtec GENERATE High Speed Edge Card HSEC6 & GC6 cable assembly
Industry standard Mini Cool Edge IO , MCIO , SFF-TA-1016, SFF-TA_1002, GEN-Z 1C
Amphenol G97, GH01 series. ACES Electronics, LOTES
MET005610101011 ME1005610203071 ME1005610201091 ME1005611201041
ME1005611202041 ME1005610211081 ME1005610205081 ME1005613401101
ME1005634478101

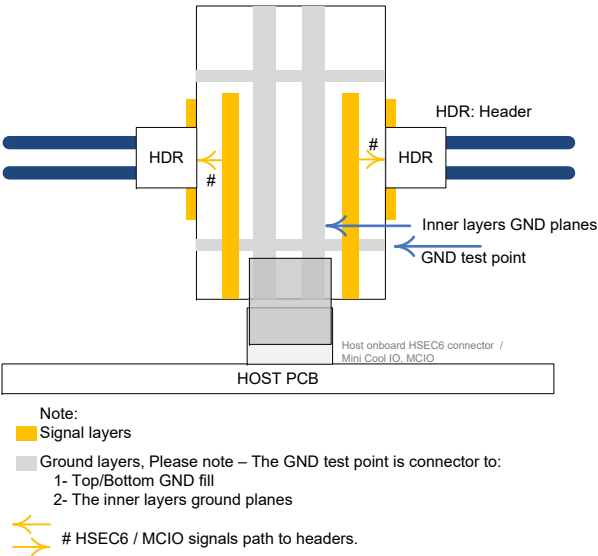
Industry Standard : HSEC6 & MCIO connectors have been adopted by industry standards such as:
SFF-TA_1002, SFF-TA-1016, PCI Express Gen 3.0, 4.0, 5.0, 6.0, OCP DC-MHS (HSIO recommended)
Supporting Up to 64 Gbps PAM4 performance. PCIe , NVMe , SAS ,SFP(+),SFP 28

Notice

ALL ZEBAX TECHNOLOGIES DESIGN SPECIFICATIONS, DRAWINGS, PUBLICATIONS, AND OTHER DOCUMENTS (TOGETHER AND SEPARATELY, "MATERIALS") ARE BEING PROVIDED "AS IS." ZEBAX MAKES NO WARRANTIES, EXPRESSED, IMPLIED, STATUTORY, OR OTHERWISE WITH RESPECT TO THE MATERIALS, AND EXPRESSLY DISCLAIMS ALL IMPLIED WARRANTIES OF NO INFRINGEMENT, MERCHANTABILITY, AND FITNESS FOR A PARTICULAR PURPOSE.

Information furnished is believed to be accurate and reliable. However, Zebax Technologies assumes no responsibility for the consequences of use of such information or for any infringement of patents or other rights of third parties that may result from its use. Specifications mentioned in this publication are subject to change without notice. This publication replaces all other information previously supplied. Zebax Technologies products are not authorized as in life support devices or systems.

ZX127HSEC6-84H simplified cross section diagram



Compliance:

- ISO2001 certified
- RoHs - Lead Free
- EU RoHS2
- UL E111594 document
- ELV- Vehicle Directive (Directive 2000/EC)
- European Union Directive (203/11/EC)
- Halogen Free per IEC-61249-2.21 : 2003
- RoHs Directive 2011/65/EU
- WEEE Directive (2012/12/EU)
- Certificate of Compliance for Radioactive substances
- Certificate of Compliance for Asbestos
- Certificate of Compliance for Ozone Depleting Substances, ODS
- Certificate REACH SVHC
- Certificate of Compliance RoHS_EN_CoC

ZX127HSEC6-84H package includes:

Part number	Quantity	Description
ZX127HSEC6-84H	1	Breakout Adapter module
ZX100ACC-SS	0	Flying lead wire assembly

Note

ALL ZEBAX products are RoHS compliant and Lead Free unless otherwise indicated.

ZEBAX TECHNOLOGIES		
SANTA CRUZ, CA U.S.A (831) 2 2 2 – 0717		
WWW.ZEBAX.COM		
SPECIFIED DIMENSIONS ARE INCHES (MM). ROHS COMPLIANT		ASSEMBLY DRAWING
		ITEM: ZX127HSEC6-84H
DESCRIPTION: Samtec HSEC6 / Mini Cool IO , MCIO , Edge Card Breakout Adapter		
CHECKED:	DRAWN:	REVISION: 1.0
M. MAHIN	KADIJEH	
		SHEET: 1 OF 2

PLEASE NOTE – Pictures on this document are placeholders along with dimensions. This document will be updated in 10 days.

