

(2,54mm) .100"

HHSC SERIES

HHSC-105-10.00-SE-TE

HHSC-108-06.00-SU-TU

HIGH SPEED CABLE ASSEMBLIES

SPECIFICATIONS

For complete specifications see www.samtec.com?HHSC

Cable:

38 AWG coax micro ribbon

Signal Routing:
50Ω Single-Ended

Overall Length:

(152mm) 6" to

(1m) 40" standard

Cable Flexing Life:

>40,000 cycles

Cable Bending Radius:

<2,5mm

Plating:

Au over 50μ" (1,27μm) Ni

Current Rating:

300 millamp max

Propagation Delay:

4.5 nsec/meter

Operating Temp Range:

-40°C to +105°C

RoHS Compliant:

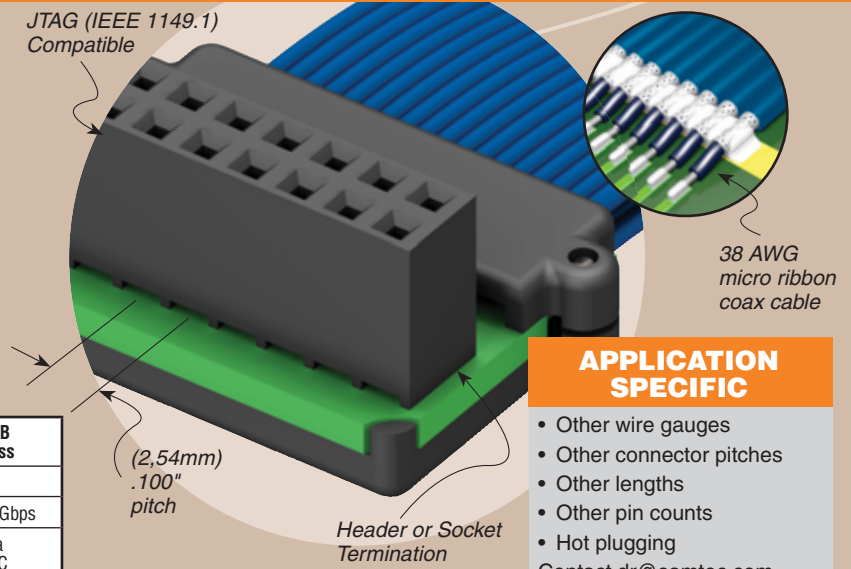
Yes



-TU, -TD & -TE Mates with:
SSW, SSQ, SSM, ESW, ESQ, BCS

-SU, -SD & -SE Mates with:
TSW, MTSW, TSM, TSS, ZSS

JTAG (IEEE 1149.1) Compatible



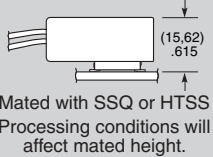
Cable Length	Rated @ 7dB Insertion Loss
	HHSC
10" (254mm)	2.69 GHz / 5.38 Gbps

Performance and complete test data available at www.samtec.com?HHSC or contact sig@samtec.com

APPLICATION SPECIFIC

- Other wire gauges
 - Other connector pitches
 - Other lengths
 - Other pin counts
 - Hot plugging
- Contact dr@samtec.com

APPLICATIONS



HHSC

1

NO. OF PINS PER ROW

WIRE LENGTH

END NO. 1

END NO. 2

05, 07, 08, 10, 15, 20, 25
(Call for other sizes)

– "XX.XX"
= Wire Length in Inches
(95,3mm) 03.75" minimum

- TU = Terminal Up
- TD = Terminal Down
- TE = Terminal Edge Mount
- SU = Socket Up
- SD = Socket Down
- SE = Socket Edge Mount

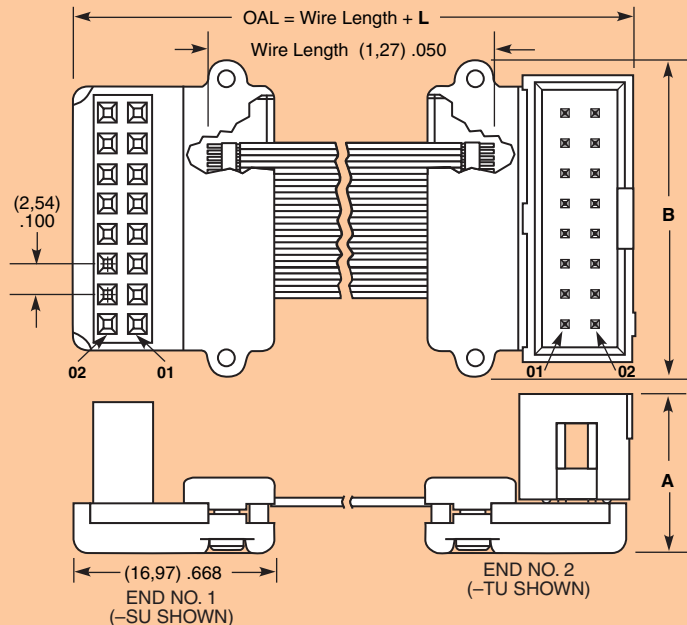
END TO END	L
–TU/–TD to –TU/–TD	(22,00) .87
–TU/–TD to –SU/–SD	(21,74) .86
–SU/–SD to –SU/–SD	(21,49) .85
–TU/–TD to –TE	(26,87) 1.06
–SU/–SD to –TE	(26,62) 1.05
–TU/–TD to –SE	(26,49) 1.04
–SU/–SD to –SE	(26,24) 1.03
–TE to –TE	(31,75) 1.25
–TE to –SE	(31,37) 1.24
–SE to –SE	(30,99) 1.22

Important Note:
For optimal performance, at least one transmission line must be dedicated to ground. For more information, go to www.samtec.com/cable_builder/xhsc_grounding.asp

Note:
Cable lengths longer than 40.00" (1 meter) are not supported with S.I. test data.

Note:
Verify part number with Samtec's Interactive Cable Builder at www.samtec.com/cable_builder/pitch.aspx

Note:
This Series is non-standard, non-returnable.



END	A	B
–TU/–TD	(13,46) .530	(26,76) 1.053
–SU/–SD	(12,70) .500	
–SE	(6,91) .272	(30,80) 1.213
–TE	(9,27) .365	

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

WWW.SAMTEC.COM