



(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

Cable Length	Rated @ -3dB Insertion Loss
	HHSC
10" (254mm)	400 MHz / 0.8 Gbps

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

JTAG (IEEE 1149.1) Compatible

(2,54mm) .100" pitch

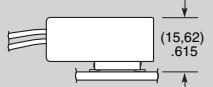
Header or Socket Termination

38 AWG micro ribbon coax cable

APPLICATION SPECIFIC

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

APPLICATIONS



Mated with SSQ or HTSS
 Processing conditions will affect mated height.

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.asp

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

HHSC

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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

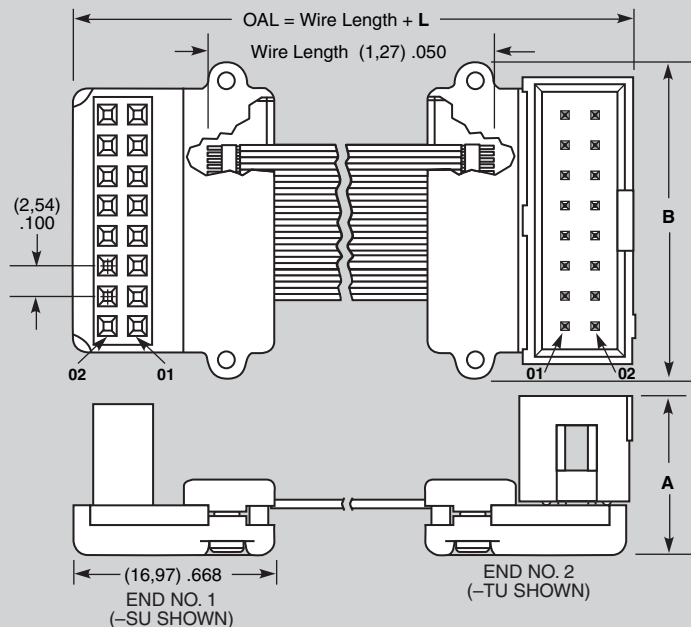
-TD
 = Terminal Down

-TE
 = Terminal Edge Mount

-SU
 = Socket Up

-SD
 = Socket Down

-SE
 = Socket Edge Mount



END	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