



(2.54 mm) .100"

HHSC-105-10.00-SE-TE

HHSC-108-06.00-SU-TU

HHSC SERIES

JTAG HIGH SPEED CABLE ASSEMBLIES

SPECIFICATIONS

For complete specifications see www.samtec.com?HHSC

Cable:
38 AWG coax micro ribbon
Signal Routing:
50 Ω Single-Ended
Overall Length:
(152 mm) 6" to
(1 m) 40" standard
Cable Flexing Life:
>40,000 cycles
Cable Bending Radius:
<2.5 mm
Plating:
Au over 50 μ " (1.27 μ m) Ni
Current Rating:
200 millamp per pin
(14 adjacent pins powered)
Propagation Delay:
4.79 nsec/meter
Operating Temp Range:
-25 $^{\circ}$ C to +105 $^{\circ}$ C
RoHS Compliant:
Yes

RECOGNITIONS

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



FILE NO. E111594

-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



38 AWG micro ribbon
coax cable

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

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

ALSO AVAILABLE (MOV Required)

- Other wire gauges
 - Other connector pitches
 - Other lengths
 - Other pin counts
 - Hot plugging
- Contact Samtec.

HHSC

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NO. OF PINS
PER ROWWIRE
LENGTHEND
NO. 1END
NO. 2

05, 07, 08, 10, 15, 20, 25
(Standard sizes)

— "XX.XX"
= Wire Length in Inches
(43.7 mm) 01.72" 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.aspx

Note:

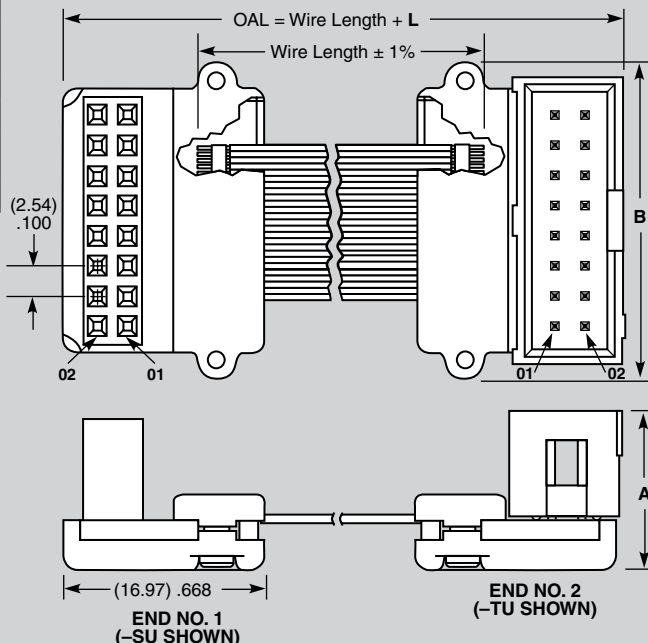
Cable lengths longer than 40.00" (1 meter) are not supported with S.I. test data

Note:

Design your High Speed Cable with Samtec's High Speed Cable Solutionator® at www.samtec.com/hdr

Note:

This Series is non-standard, non-returnable.



END	B	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	

APPLICATIONS

Mated with SSQ
Processing conditions will affect mated height.