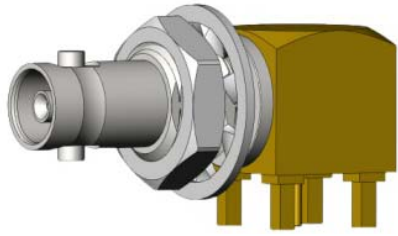




# 4K UHD Precision Video Solutions

## Coaxial connectors true 75Ω series

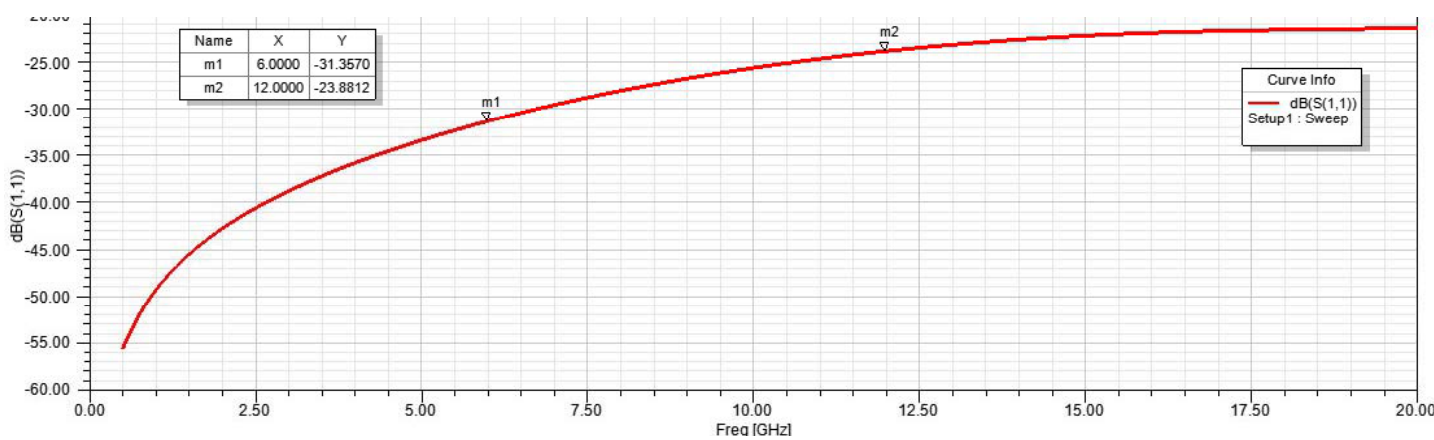


Micro-BNC (OBFR100PCB-A701)

Ultra High Definition Video (referred to variously as “Ultra HD”, “UHD”, “UHDTV”, “4K UHD”) , with 4X the resolution of 1080P HD video, requires an interconnect system that can transfer data at a rate of up to 12 Gbps. Using legacy BNC connectors often supporting a max frequency of 3 GHz, this could require 2 or 4 channels.

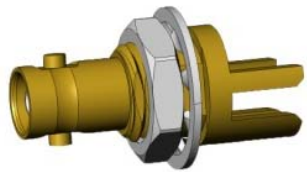
SHINTO’s 75Ω Series products are optimized for 4K ultra HD broadcast, providing fully intact signal transmission on a single channel. These connectors are designed for 12G-SDI video applications, and come in a variety of PCB mounting and cable terminations. SHINTO’s 75 Ω series includes BNC, mini-BNC, micro-BNC, DIN 1.0/2.3, SMA, MCX connector.

SHINTO’s 75Ω Series products are available as PCB connectors with edge-mount, straight, or right-angle configurations, or as cable connectors for industry standard Belden 4855R, 1694A, or 1855A cable, peak performance can be reached when SHINTO’s connectors are used as a mated pair.



S parameter data- return loss  
12Gb/s per SMPTE standard 2082-1

### Micro-BNC connectors



OBFS100PCB-A703



OBMS11GM59-A702

Part number	Description
OBFR100PCB-A701	Micro-BNC jack right angle for PCB DIP mount.
OBFS100PCB-A703	Micro-BNC jack straight for PCB edge mount.
OBFR21GM59-A705	Micro-BNC jack right angle for Belden 4855R water proof.
OBMS11GM59-A702	Micro-BNC plug straight for Belden 4855R cable.
OBMS11G006-A704	Micro-BNC plug straight for Belden 1694A cable.
OBMR21GM59-A706	Micro-BNC plug right angle for Belden 4855R water proof.

### Mini-BNC connectors



IBFS110PCB-A707

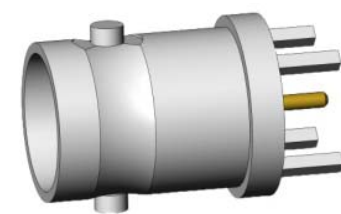


IBMS11GM59-A708

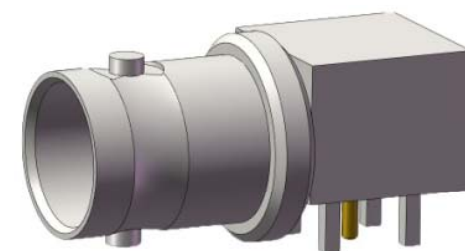
Part number	Description
IBFS110PCB-A707	Mini-BNC jack straight for PCB DIP mount.
IBFR110PCB-A709	Mini-BNC jack right angle for PCB DIP mount
IBFS21GM59-A711	Mini-BNC jack bulkhead crimp for Belden 4855R cable.
IBFS21G006-A713	Mini-BNC jack bulkhead crimp for Belden 1694A cable.
IBMS11GM59-A708	Mini-BNC plug straight for Belden 4855R cable.
IBMS11G006-A710	Mini-BNC plug straight for Belden 1694A cable.
IBMR11GM59-A712	Mini-BNC plug right angle for Belden 4855R cable.
IBMR11GM006-A714	Mini-BNC plug right angle for Belden 1694A cable.

## BNC connectors

Part number	Description
BFS110PCB-A715	BNC jack straight for PCB DIP mount.
BFR110PCB-A717	BNC jack right angle for PCB DIP mount.
BFR410PCB-A719	BNC jack right angle for PCB edge mount.
BFS11G006-A721	BNC jack straight for Belden 1694A cable.
BFS21GM59-A723	BNC jack straight bulkhead for Belden 4855R cable.
BFS21G405-A725	BNC jack straight bulkhead for RG405-75 cable.
BMS11GM59-A716	BNC plug straight for Belden 4855R cable.
BMS11G006-A718	BNC plug straight for Belden 1694A cable.
BMR11GM59-A720	BNC plug right angle for Belden 4855R cable.
BMR11G006-A722	BNC plug right angle for Belden 1694A cable.
BMS11G405-A724	BNC plug straight for RG405-75 cable.



BFS110PCB-A715



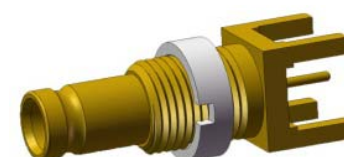
BFR410PCB-A719



BMS11G006-A718

## DIN 1.0/2.3 connectors

Part number	Description
OTFS200PCB-A727	DIN 1023-75 jack straight bulkhead for PCB DIP mount.
OTFS400PCB-A729	DIN 1023-75 jack straight with 3 legs for PCB DIP mount.
OTFS10GM59-A731	DIN 1023-75 jack straight for Belden 4855R cable.
OTMS11GM59-A726	DIN 1023-75 plug straight for Belden 4855R cable.
OTMS11G006-A728	DIN 1023-75 plug straight for Belden 1694A cable.



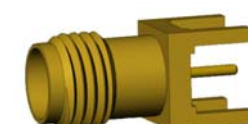
OTFS200PCB-A727



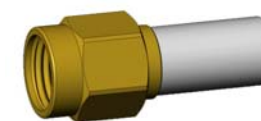
OTFS10GM59-A731

## SMA connectors

Part number	Description
SFS100PCB-A733	SMA-75 jack straight for PCB DIP mount.
SFR100PCB-A735	SMA-75 jack right angle for PCB DIP mount.
SMS10G405-A730	SMA-75 plug straight for RG405-75 cable.
SMS10GM59-A732	SMA-75 plug straight for Belden 4855R cable.



SFS100PCB-A733



SMS10GM59-A732

## MCX connectors

Part numbers	Description
MFS200PCB-A737	MCX-75 jack straight for PCB DIP mount.
MFS400PCB-A739	MCX-75 jack right angle for PCB DIP mount.
MFS10G179-A741	MCX-75 jack straight for RG179 cable.
MMS10G179-A734	MCX-75 plug straight for RG179 cable.
MMS10G405-A736	MCX-75 plug straight for RG405-75 cable.

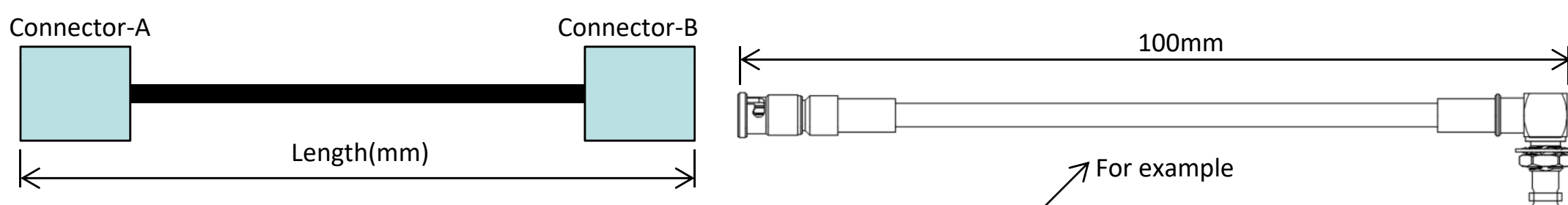


MFS400PCB-A739



MMS10G179-A734

## Cable assemblies



### Customized cable assemblies, the rule of part number and specification as below:

Part number: connector A - connector B - cable code - length,

For example: A702-A705-4855R-100, Micro-BNC plug S/T to BNC jack R/A for Belden 4855R length 100mm.