



# HIGH-DENSITY BNC CONNECTORS AND ADAPTERS

High-density BNC connectors and adapters from TE Connectivity (TE) provide a compact design solution for large video transmission systems, broadcast systems and video signal applications. High-density BNC connectors are smaller than traditional BNC connectors and are intended to be arranged in tighter configurations than traditional BNC connectors allowing for up to four times as many interconnects in the same footprint.

Using a customized insertion/extraction tool (2446195-1) cable assemblies can be connected and disconnected to receptacles mounted on the panel utilizing a bayonet-style mounting interface even when space is limited.

## APPLICATIONS

- Large video transmission systems
  - Surveillance cameras / smart city surveillance system
- Broadcast equipment
  - SDI input & output video cards
  - Studio and broadcast cameras
- Digital Video - UHD TV 4K&8K
- Instrumentation
  - PXI (PCI extensions for Instrumentation)
- Industrial equipment
  - 3D Automated Optical Inspection (3D AOI)
  - Machine vision / industrial cameras
  - Frame grabbers

## PRODUCT FACTS

- Up to 75  $\Omega$  performance
- Designed to improve panel density - up to 4x the panel density of standard BNC connectors
- Fit traditional broadcast cables
- 20% lighter than standard BNC connectors
- 51% smaller than standard BNC connectors and 39% smaller than mini-BNC connectors.
- Quarter turn bayonet-style coupling design includes locking feature
- Quicker, easier connector installation and removal in limited space
- Optimized for 12G-SDI broadcast video solutions
- Designed for CoaXPress 2.0 and SMPTE Straight 2082 standards
- Up to DC-12 GHz connector frequency range
- IP67 waterproof panel connector available
- Adapter to convert to standard BNC connection now available

## LEARN MORE

- [Landing Page](#)



PART NUMBERS

Part Number	Detailed Description
<b>Connectors</b>	
<a href="#">2446052-1</a>	High Density BNC Straight Crimp Plug 1855A/4855R 75 Ω
<a href="#">2446154-1</a>	High Density BNC R/A PCB Jack Bulkhead Thru Hole 75 Ω
<a href="#">2446053-1</a>	High Density BNC Straight Crimp Plug RG-179 75 Ω
<a href="#">2446153-1</a>	High Density BNC Straight PCB Jack Bulkhead Thru Hole 75 Ω
<a href="#">2446155-1</a>	High Density BNC Right Angle PCB Jack Bulkhead Thru Hole 50 Ω
<a href="#">2446156-1</a>	High Density BNC Straight PCB Jack Bulkhead Edge Mount 75 Ω
<a href="#">2446051-1</a>	High Density BNC Straight Crimp Plug 735A 75 Ω
<a href="#">2446194-1</a>	High Density BNC Straight Crimp Jack 1855A/4855R Bulkhead IP67 75 Ω
<a href="#">2446193-1</a>	High Density BNC Straight Crimp Jack 1855A/4855R Bulkhead 75 Ω
<a href="#">2510952-1</a>	High Density BNC Jack Right Angle Bulkhead Thru Hole 75 Ω ●
<a href="#">2510954-1</a>	High Density BNC Jack Straight Thru Hole 3 leg 75 Ω ●
<a href="#">2510955-1</a>	High Density BNC Jack Straight Bulkhead Edge .062" 75 Ω ●
<a href="#">2510957-1</a>	High Density BNC Jack Straight Bulkhead Thru Hole 75 Ω ●
<a href="#">2510959-1</a>	High Density BNC Jack Straight Bulkhead SMD 75 Ω ●
<a href="#">2510961-1</a>	High Density BNC Plug Straight 1855A/4855R 75 Ω ●
<a href="#">2510963-1</a>	High Density BNC Plug Straight 1505A/4505R 75 Ω ●
<a href="#">2510966-1</a>	High Density BNC Plug Straight 1694A/4694R 75 Ω ●
<a href="#">2510968-1</a>	High Density BNC Plug Right Angle 1855A/4855R 75 Ω ●
<a href="#">2510969-1</a>	High Density BNC Plug Right Angle RG179/RG179DT 75 Ω ●
<a href="#">2510973-1</a>	High Density BNC Plug Straight Crimp RG59 75 Ω ●
<a href="#">2510975-1</a>	High Density BNC Plug Straight Crimp RG316 50 Ω ●
<a href="#">2510976-1</a>	High Density BNC Plug Straight Crimp RG58/RG141 50 Ω ●
<a href="#">2510979-1</a>	High Density BNC Jack Straight Thru Hole 50 Ω ●
<a href="#">2510981-1</a>	High Density BNC Jack Right Angle Bulkhead Thru Hole 50 Ω ●
<b>Adapter</b>	
<a href="#">2510983-1</a>	High Density BNC Plug to BNC Jack Straight Adapter ●
<b>Tool</b>	
<a href="#">2446195-1</a>	Installation/Removal Hand Tool

● ADDED MAY 2026

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Digital Data Networks

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