

Micro D-Twinax Transition Adapters

Amphenol now offers differential twinax transition adapters in smaller sizes that provide matched impedance interconnection to PCB boards.

Our unique push-pull quick disconnect adapter design offers:

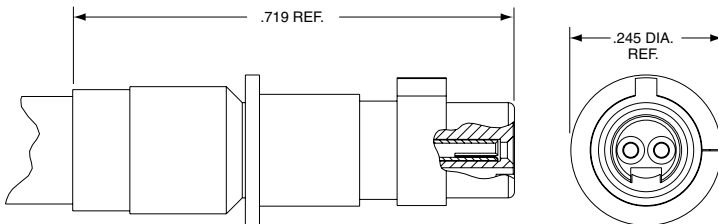
- Advantages over traditional threaded type adapters
- Launching of controlled impedance (100 ohm) signals for high speed twinax contacts with push-pull quick disconnect coupling
- Rugged construction, 100+ mating cycles for reliable and secure data transmission
- Miniature size for tighter spacing on boards
- Intermountability with existing threaded solutions having the same PCB tail footprint
- Styles include:
 - Plug - standard length and extended length options
 - Straight PCB receptacle, 90° PCB receptacle
 - Two jam nut receptacle styles - both with standard length and extended length options
 - Bushing assembly 90° adapter (used with plug or jam nut receptacle)



Micro D-Twinax Transition Adapters
Shown right: Straight receptacle mated to plug
Shown left: Jam nut and 90° receptacles

Push-Pull Quick Disconnect Interconnects

Micro D-Twinax Transition Adapter Plug

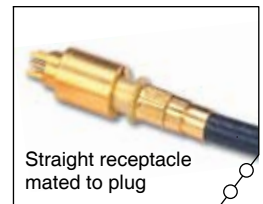
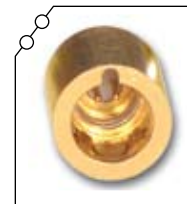
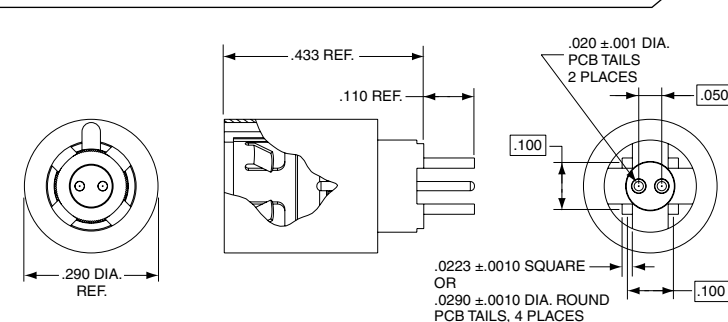


Part Number	Cable Type*	Impedance (Ohms)
21-033832-151	Calmont 3007-1923-12-7	100
21-033832-161	Tensolite 26453/03184X-2LD Thermax 956-626Z	
21-033832-121**	Calmont 3007-1923-12-7	

* See page 3 for information on other cable terminations.

** Same as -151 with extended ferrule for added cable support

Micro D-Twinax Transition Adapter Straight PCB Receptacle



Part Number	Impedance (Ohms)
21-033833-191	100

All dimensions for reference only.

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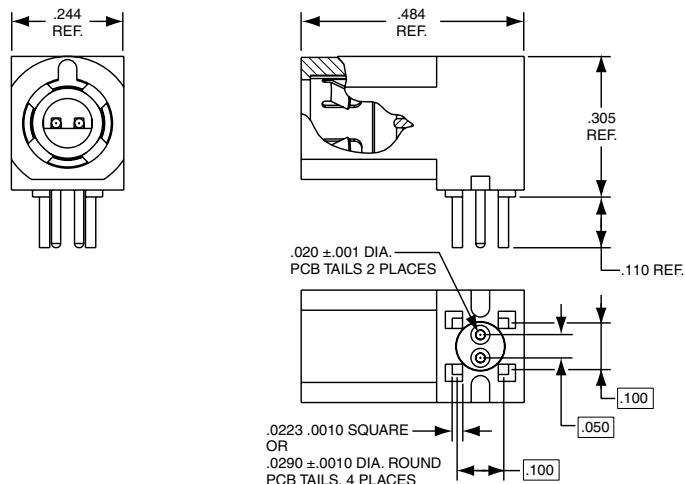
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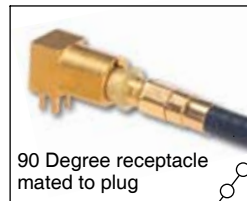
Micro D-Twinax Transition Adapters

Push-Pull Quick Disconnect Interconnects

Micro D-Twinax Transition Adapter 90° PCB Receptacle



All dimensions for reference only.



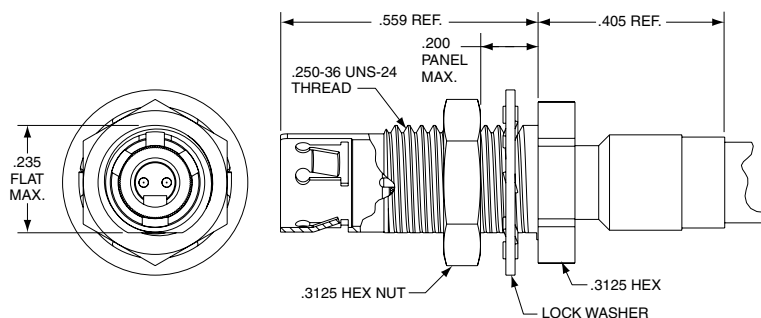
90 Degree receptacle mated to plug

Part Number	Impedance (Ohms)
21-033833-201	100
21-033833-281	
.140 PCB tail length	

Micro D-Twinax Transition Adapter Jam Nut Receptacles

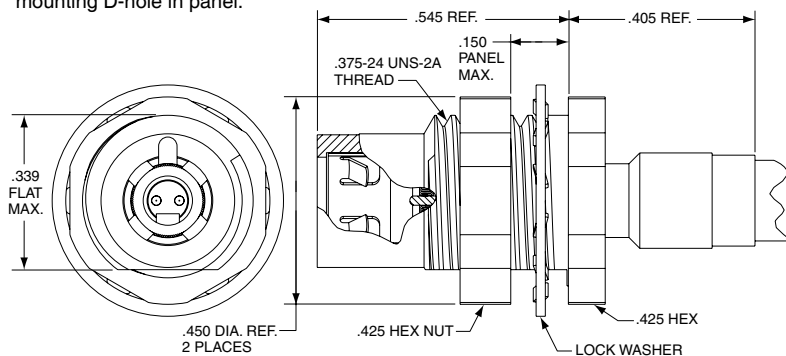
Jam Nut Receptacle, Style 1

Smaller diameter front shell requires a smaller mounting D-hole dimension in panel.



Jam Nut Receptacle, Style 2

Has a larger diameter front shell than Style 1. Requires a larger mounting D-hole in panel.



Jam nut receptacle, Style 1, mated to plug

Part Number	Cable Type*	Impedance (Ohms)
21-033833-241	Calmont 3007-1923-12-7	100
21-033833-261	Tensolite 26453/03184X-2LD	
	Thermax 956-626Z	
21-033833-211**	Calmont 3007-1923-12-7	

* See page 3 for information on other cable terminations.

** Same as -241 with extended ferrule for added cable support



Jam nut receptacle, Style 2, mated to plug

Part Number	Cable Type*	Impedance (Ohms)
21-033833-251	Calmont 3007-1923-12-7	100
21-033833-271	Tensolite 26453/03184X-2LD	
	Thermax 956-626Z	
21-033833-231**	Calmont 3007-1923-12-7	

* See page 3 for information on other cable terminations.

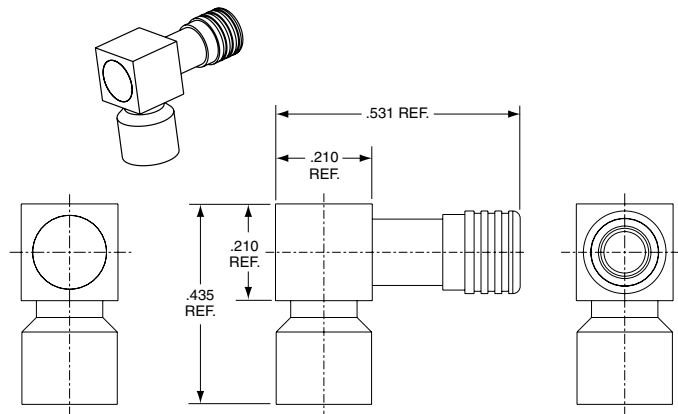
** Same as -251 with extended ferrule for added cable support

Micro D-Twinax Transition Adapters

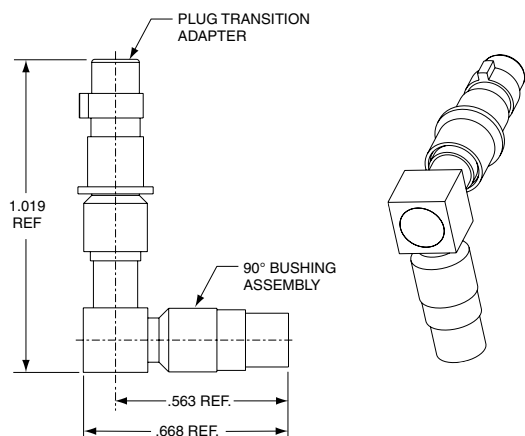
Push-Pull Quick Disconnect Interconnects

90° Bushing Assemblies for use with Wired Micro D Transition Adapters

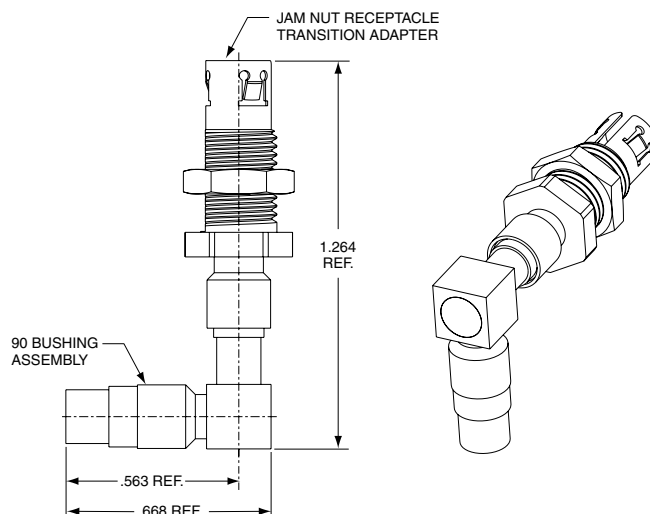
To facilitate tight cable bend requirements, Amphenol provides 90° bushing assemblies which convert straight plug and receptacle wired adapters into 90° wired adapters.



Illustrations below show how the 90° bushing assembly attaches to either a plug or a jam nut receptacle adapter.



90° Bushing Assembly with Wired Micro D Plug Transition Adapter



90° Bushing Assembly with Wired Micro D Jam Nut Receptacle Transition Adapter

All dimensions for reference only.

90° Bushing Assembly Part Number

21-033425-201

90° bushing assembly is ordered separately.
Adapters are not included with bushing assembly.



90° Bushing Assembly with
Jam Nut Micro D Transition
Adapter

Amphenol transition adapters are capable of terminating to additional 100 Ohm cables beyond what are listed in the charts on pages 1 and 2. Cables need to have the following dimensions:

- .0210/.011 Dia. stranded center conductor (26/30 AWG)
- .045 Dia. max. inner wire insulation
- .115 Dia. max. outer braid (round type preferred)
- .150 Dia. max. jacket

Consult Amphenol Aerospace for other cable termination possibilities.