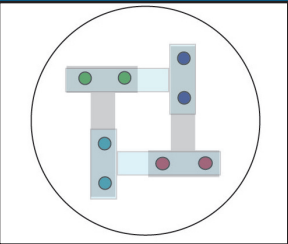


CeeLok FAS-T Nano Circular Connector

High Speed Performance

1 or 10 GbE rates for high-speed transmission of data, ideal for tight link budgets

T-shaped pin pattern improves signal integrity through uniform cross talk cancellation



Space and Weight Savings

Nanominiature size enables high-speed connectivity in an extremely small space envelope

Lightweight NANONICS housing available in push-pull or thread-ed coupling for a broad-range of applications and uses

Versatile

Available in board-mount and cable-applied versions

Rugged

Withstands the harsh operat-ing environment typical of Aerospace, Defense and Marine applications



DESCRIPTION

TE Connectivity's (TE) CeeLok FAS-T Nano Circular connector is a rugged, nano-miniature I/O connector capable of meeting 10 GbE performance. The patented, noise-cancelling contact configuration minimizes cross talk making it ideal for a variety of markets.

APPLICATIONS

- Typical applications include:
- Military Weapons
  - Ground Support Systems
  - Soldier Worn Applications
  - Avionics
  - Instrumentation
  - Down-hole Telemetry Tools

MECHANICAL

Vibration, Sine:	10-2000 Hz, 20g (EIA-364-28, Test Condition IV)
Vibration, Random:	50-2000 Hz, 46.3g (EIA-364-28, Test Condition V, Letter K)
Mating Cycles (Min):	250 Electroless Nickel plated aluminum shells
Mechanical Shock:	300g, 3ms, Half-sine (EIA364-27, Test Condition D)
Weights:	Push-pull plug with a straight backshell and 1 meter of TurboTwin cable weighs less than 13g. A PCB mount receptacle weighs less than 3g.

ELECTRICAL

10 GbE using Madison Cable's TurboTwin cable (factory terminated)		
IR:	5000 MOhms ambient; 1000 MOhms at temperature	
DWV:	500 VAC Sea Level; 100 VAC @ 70,000 feet	

ENVIRONMENTAL

Operating Temperature:			-55°C to +125°C*
Sealing:	Immersion:	IP68, Mated	
	Water Jet:	IPX6, Mated	
	Dust:	IP6X, Mated	

\*This is utilizing high-temp Madison TurboTwin cable.

FOR MORE INFORMATION

Technical Support

Internet:	www.te.com/ADM
North America:	+1 (800) 522 6752
Asia Pacific:	+86 0 400 820 6015
Austria:	+43 1 905 601 228
Baltic Region:	+46 8 5072 5000
Benelux:	+31 73 6246 999
Czech Republic:	+420 800 701 462
France:	+33 1 34 20 86 86
Germany:	+49 6251-133 1999
Hungary:	+36 809 874 04
Italy:	+39 011-401 2632
Nordic:	+46 8 5072 5000
Poland:	+48 800 702 309
Russia:	+7495 790 790 2
Spain/Portugal:	+34 93-2910366
Switzerland:	+41 52 633 66 26
United Kingdom:	+44 800 267 666

Follow us on Twitter for all the latest product news @TEConnectivity, and on Facebook, TEConnectivity.

Connect with one of our Subject Matter Experts at [www.DesignSmarterFaster.com](http://www.DesignSmarterFaster.com)



Introducing CeeLok FAS-T Nano Circular Connectors

The latest addition to TE's line of high speed copper I/O connectors, CeeLok FAS-T nano circular takes the noise cancellation technology of the original CeeLok FAS-T connector and re-engineers it to fit our standard NANONICS connector shell. The new connector delivers up to 10 GbE speeds in nanominiature form factor, creating an industry-leading combination of high-speed,small size and low weight.

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8-1773700-5 ADM/RRD 2.5M 1/2014

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CeeLok FAS-T  
Nano Circular  
Connector



CeeLok FAS-T  
Nano Circular  
Connector

STANDARDS & SPECIFICATIONS

Product Specification: 108-32048      Qualification Test Report: 501-134021

MATERIAL

Shells:	Electroless Nickel Plated Aluminum (standard) or Passivated Stainless Steel (increased durability)
Insert:	High temperature thermoplastic for excellent temperature endurance and superior signal integrity
Contacts:	Gold plated BeCu Alloy

PART NUMBERS

\*DRAWINGS SHOWN IN BROCHURE.

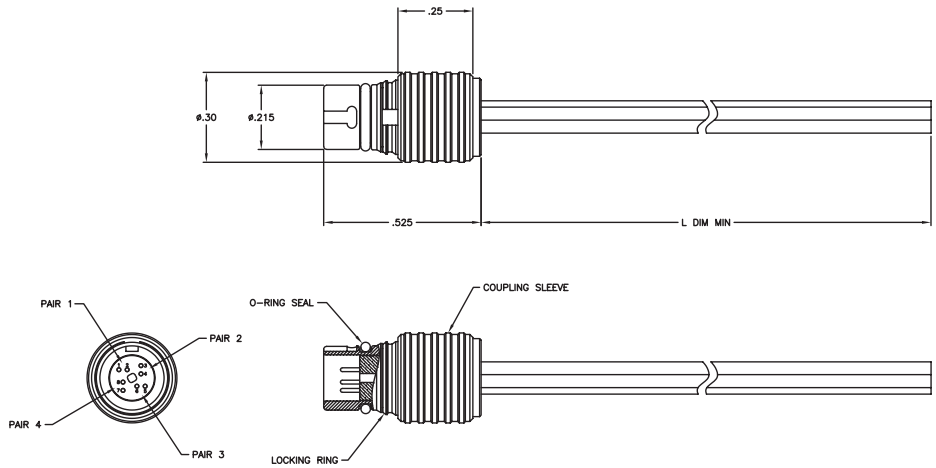
TE Part Number	Position	Description
1925248-1 *	8	Quick disconnect, metal, plug, 30 AWG 10G TurboTwin pair, 36"
1925249-1	8	Quick disconnect, metal, plug, 30 AWG 10G TurboTwin pair, 36", straight braid clamp backshell
1925250-1	8	Quick disconnect, metal, 30 AWG 10G TurboTwin pair, 36", right-angle braid clamp backshell, orientation 5
1925251-1 *	8	Threaded coupling, metal, plug, 30 AWG 10G TurboTwin pair, 36"
1925252-1 *	8	Threaded coupling, metal, plug, 30 AWG 10G TurboTwin pair, 36", straight braid clamp backshell
1925253-1	8	threaded coupling, metal, plug, 30 AWG 10G TurboTwin pair, 36", right-angle braid clamp backshell, orientation 5
1925254-1	8	Flanged coupling quick disconnect, metal, plug, 30 AWG 10G TurboTwin pair, 36"
1925255-1	8	Flanged coupling quick disconnect, metal, plug, 30 AWG 10G TurboTwin pair, 36", straight braid clamp backshell
1925256-1	8	Flanged coupling quick disconnect, metal, plug, 30 AWG 10G TurboTwin pair, 36", right angle braid clamp backshell, orientation 5
1925257-1	8	Quick disconnect, metal, receptacle, 30 AWG 10G TurboTwin pair, 36" front flush mount,
1925258-1	8	Quick disconnect, metal, receptacle, 30 AWG 10G TurboTwin pair, 36", rear panel mount
1925259-1	8	Quick disconnect, metal, receptacle, 30 AWG 10G TurboTwin pair, 36", rear panel mount, straight braid clamp backshell
1925260-1	8	Quick disconnect, metal, receptacle, 30 AWG 10G TurboTwin pair, 36", rear panel mount, right angle braid clamp backshell, orientation 5
1925261-1	8	Quick disconnect, metal, receptacle, vertical PCB mount, through-hole, 10GbE, .125" tin/lead solder dipped leads, panel mount

ACCESSORIES

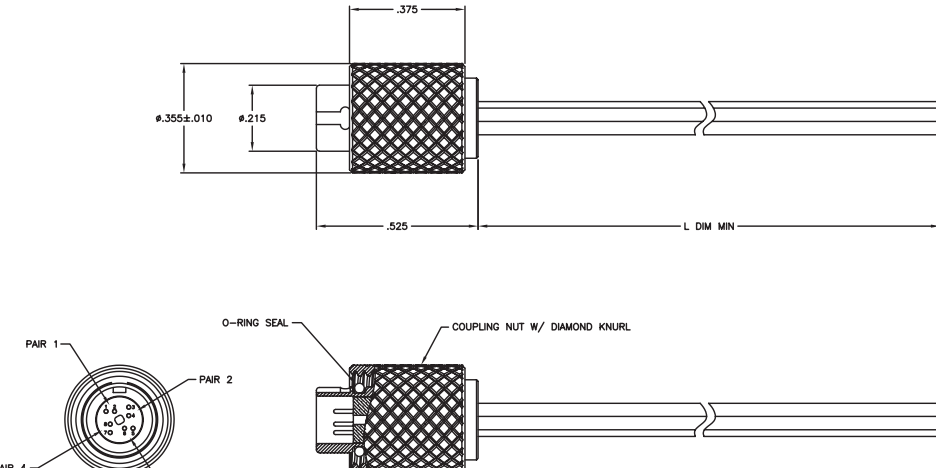
Straight braid-clamp style backshells as well as right-angle versions are factory installed. Right-angle backshells can be oriented in 8 different directions. See PN chart above.  
**Note: for Band straps and Molded Parts - contact TE Connectivity**

REPRESENTATIVE DRAWINGS

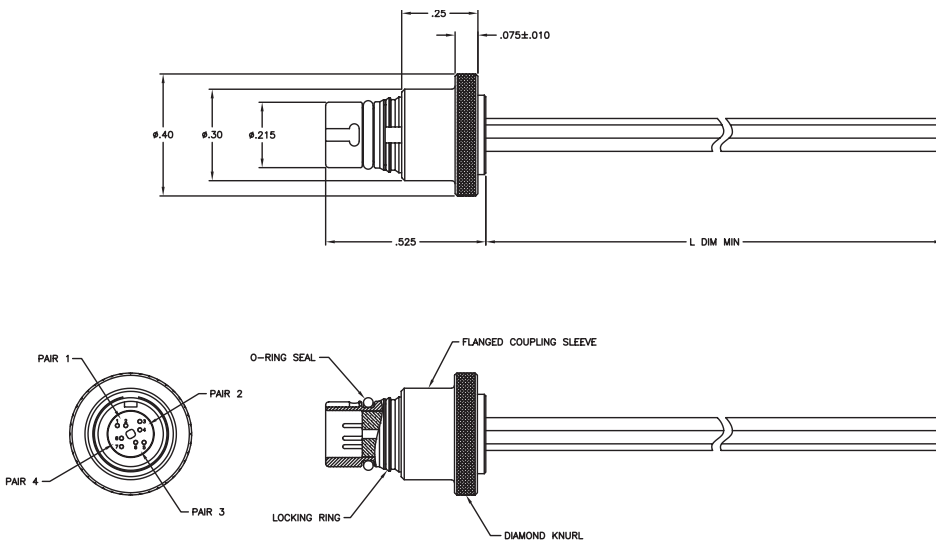
PN 1925248-1 -  
Quick Disconnect Plug



PN 1925251-1 -  
Threaded Coupling Plug

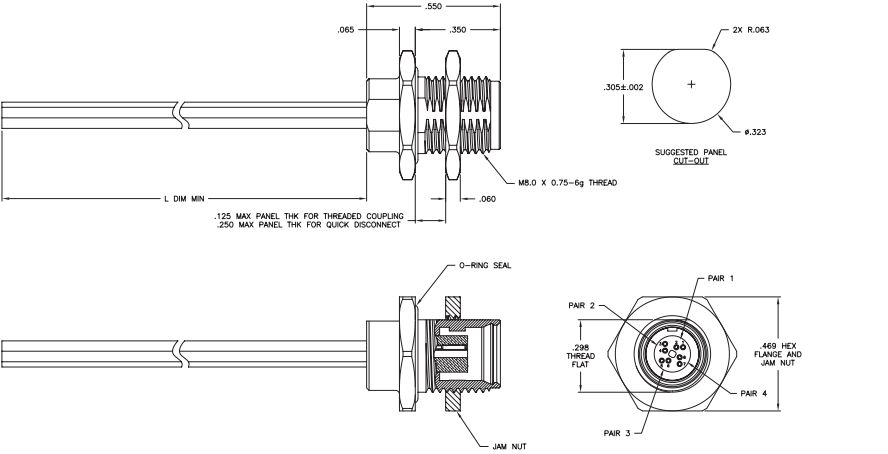


PN 1925254-1 -  
Flanged Coupling Plug

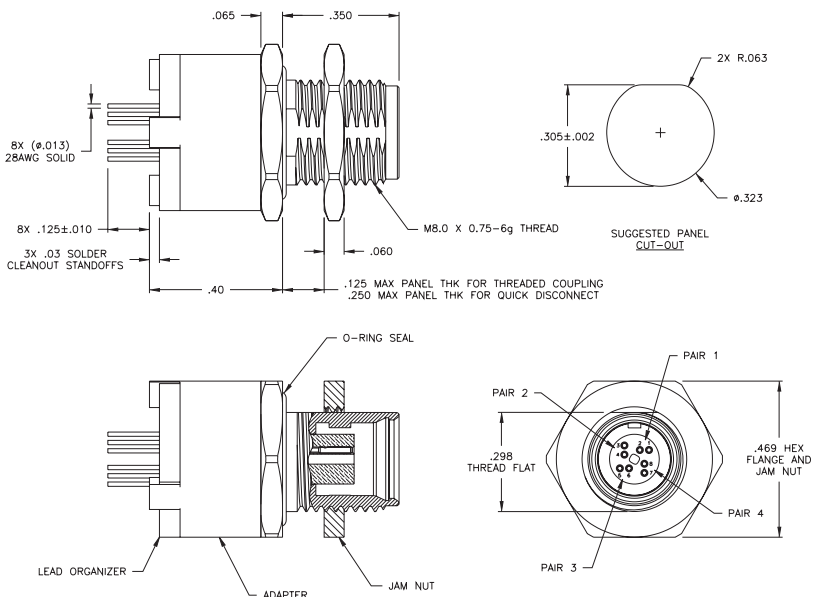


REPRESENTATIVE DRAWINGS

PN 1925258-1  
Quick Disconnect Receptacle



PN 1925261-1  
Quick Disconnect Vertical PCB  
Mount Receptacle



**Note: Customized cable assemblies/cord sets available upon request. Contact TE Connectivity.**