

# EPIC ONLINE TECHNOLOGY MEETING ON “BEYOND 400G”

Ethernet Alliance – Facilitating the “Beyond 400G” Discussion

Nathan Tracy, TE Connectivity | May 20<sup>th</sup>, 2020



ethernet alliance

[www.ethernetalliance.org](http://www.ethernetalliance.org)

# Ethernet Alliance

## **A Global Community of End Users, System Vendors, Component Suppliers & Academia focused on Ethernet**

- More than 13 years promoting and advancing technology and products for existing and emerging IEEE 802 Ethernet standards
- Providing a forum for discussion and debate of future Ethernet
- Established resource to ensure and demonstrate multi-vendor interop

**A place where our members, both large and small companies, have a voice in Ethernet**

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# Ethernet Interoperability Testing



Providing a forum where any participating member's product can be interop tested with anyone else

- Startups have the opportunity to test with giants
- Typically held twice per year



Addressing industry validation needs:  
Power over Ethernet  
(POE) Certification  
Program



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# Providing a Public Presence

## Hosting Technology Exploration Forums (TEF)

### TEF 2020: The Next Ethernet Rate October 7th, 2020

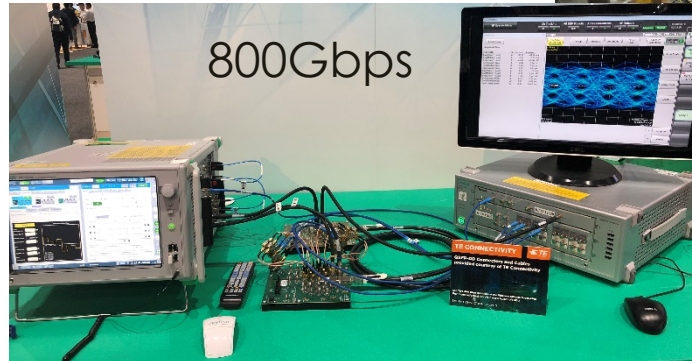
In the past:

- The Road to 2026
- The Rate Debate
- The Road to Ethernet
- The End Users Speak!



## Shared Space at Major Tradeshows

Demo realistic networks  
Fiber network to members  
Glimpse into the future  
Share Ethernet Roadmap



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Contact: [ethernetalliance.org](http://ethernetalliance.org)

# EPIC Online Technology meeting on “Beyond 400G”

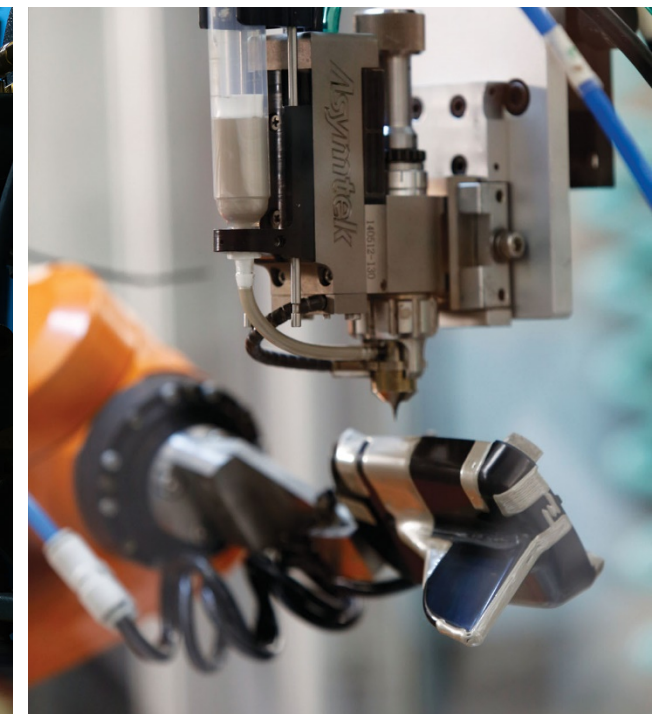
## TE Connectivity: Looking Beyond 400G

Nathan Tracy, TE Connectivity,  
Technologist and Manager of Industry  
Standards

May 20, 2020

EVERY CONNECTION COUNTS

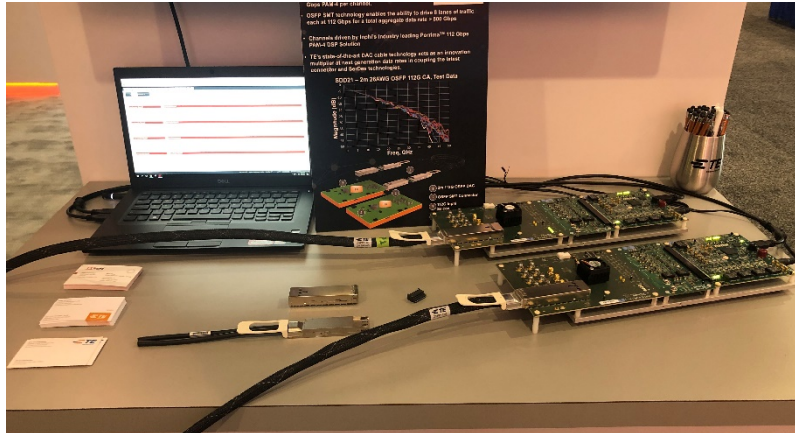
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# Developing the Interconnect Technologies for Beyond 400G



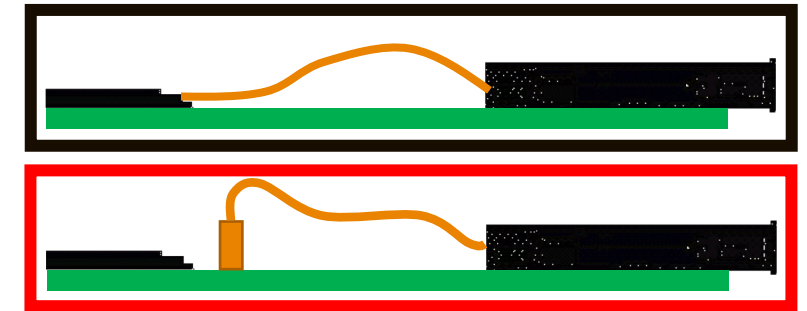
## 800Gbps OSFP Connectors and 2meter cables



## 100Gbps per channel STRADA Whisper Backplane Connectors



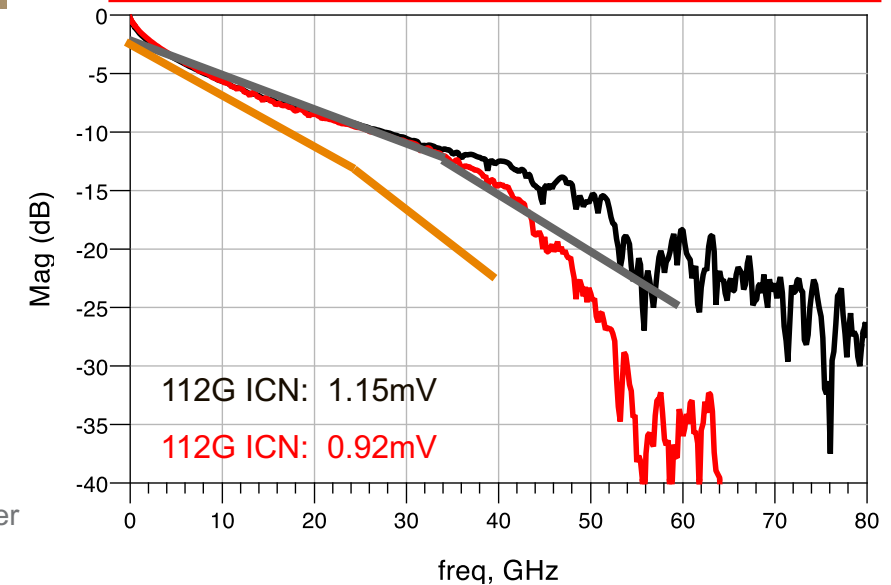
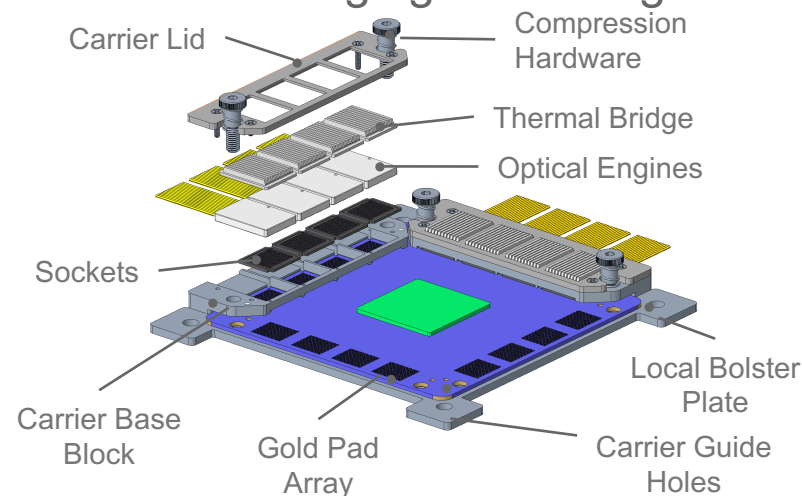
## Channel Analysis for 224Gbps



## 100Gbps per channel Sockets (LGA and Hybrid)



## 100Gbps per channel Co-Packaging Technologies



**Contact: Nathan Tracy, [ntracy@te.com](mailto:ntracy@te.com)**



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**WHEN  
TECHNOLOGY  
CONNECTS,  
SO DOES HUMANITY.**

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EVERY CONNECTION COUNTS

