

COTSWORKS[®]

FORCE:

Fiber Optic Research Center of Excellence

CONTACT COTSWORKS FOR MORE INFORMATION UNDER NDA

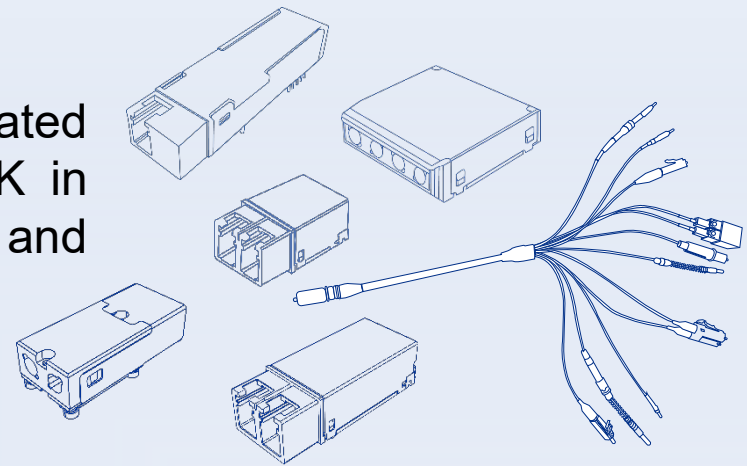
www.cotsworks.com

© 2023 | COTSWORKS, INC.

About COTSWORKS

COTSWORKS, INC. is an innovative manufacturer of rugged optical components and subsystems for harsh environment networking and sensing applications.

Commercial-Off-The-Shelf components are integrated across multiple engineering disciplines to WORK in the most consistent, highest quality, performance, and cost-effective ways.

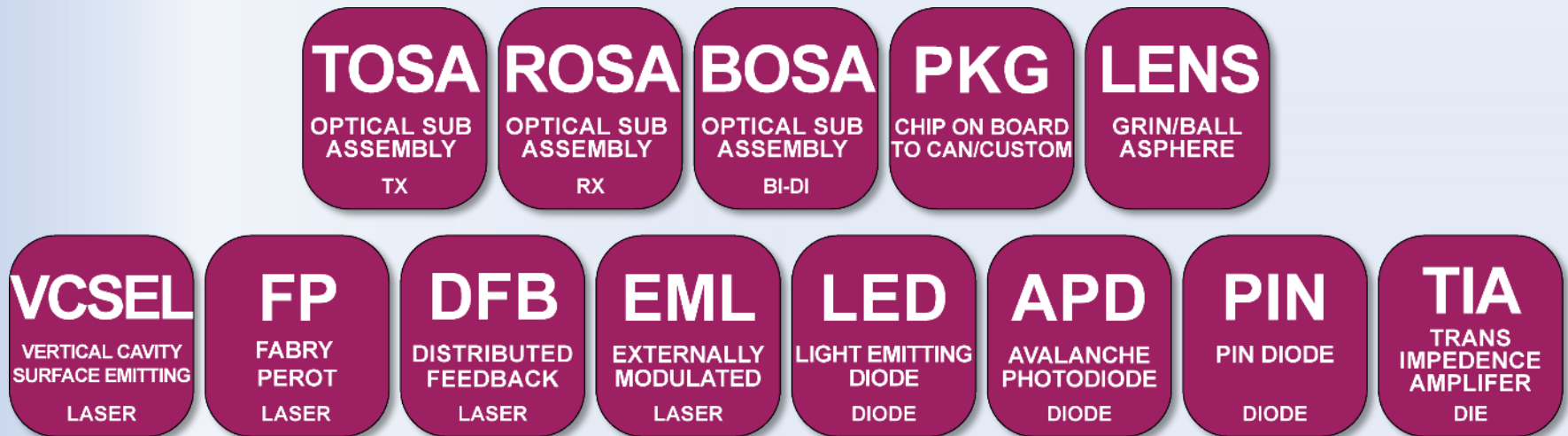


These products are designed for Commercial and Military Aerospace, Military Tactical, Industrial & Energy, Rugged Networking, and Sensor markets.



FORCE Elements

The Elemental Product Platform is a collection of products and components manufactured by or included in assemblies by COTSWORKS.



This set of Elements represent the products and components produced by or utilized in COTSWORKS' Fiber Optics Research Center of Excellence.



FORCE

Fiber Optic Research Center of Excellence

- ISO 7, Class 10,000 Cleanroom houses precision optical alignment, encapsulation, and test equipment capable of producing **OSAs** (Optical Sub-Assemblies) operating from 100M to 28Gbps with industry standard and/or unique functionality, performance, and mechanical characteristics.
- **Processing Capabilities:** Burn-in, active alignment and capping, curing, performance testing, harsh-environment reliability testing, visual and optical inspection, and design/modeling of novel optical systems.
- **Future Process Capabilities:** die attach, fiber metallization, micro-welding, wire bonding, TO-can welding, mechanical test, and hermeticity test.



OSAs (Optical Sub Assemblies)



TOSA

Transmitter Optical Sub-Assembly

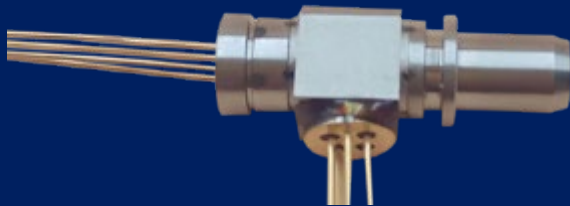
850, 980
SWDM 2024
CWDM4, LR4,
155x, CWDM



ROSA

Receiver Optical Sub-Assembly

850, 980
SWDM 2024
CWDM4, LR4,
155x, CWDM



BOSA

Bi-Directional Optical Sub-Assembly

1310/1310,
CWDM4, LR4
1310, 1550, WDM



CUSTOM

COTSWORKS Designs Based on the
Scope of Your Project Needs

VCSEL, FP, DFB,
LED, Defocused,
Butterfly/Submount

Standard and Customized Product

- TOSAs, ROSAs, and BOSAs are available with datasheets, MIL analysis, environmental test for sale in individually housed bulk package
- Custom optical parameters for higher or lower Tx or lensed Rx for increased sensitivity available
- Supply chain analysis and options for geographical sourcing of parts and for storage of parts available
- Optical design, as well as mechanical and electrical engineering support available on Project basis:

Contact sales@cotsworks.com for more information



Company Information

Quality System:

ISO 9001:2015 + AS9100:D CERT-0124317

ATEX Compliant, OP IS

S20.20 ESD program

J Standard electronic parts work

Compliant to FAR 52.204-2, DFARS 252:204-7012

NIST 800-171 Compliance in process



Aerospace and Electronics
Industry Quality Standards



FDA/CDRH Laser Safety Test
and Manufacturing Support



International Traffic in
Arms Regulations



ESD handling and Facility Testing,
Operation, and Certification



Harsh environments including
Oil and Gas compliance



Foreign Object Debris Procedures,
Auditing, and Training

Company Information:

EIN/Tax ID: 20-4055028

Vendor License: 18-90016

CAGE Code: 49T62

ECCN: EAR99

ITAR: M37737

USA

749 Miner Rd

Highland Heights, OH 44143

p. 440.446.8800

EMEA

Am Alten Schlachthof 4

36037 Fulda, Germany

+49 (0) 661 9786 9200

www.ruggedfiberoptics.com

