

INTRODUCING EB16 OPTICAL SINGLE AND MULTIMODE TERMINI

- **Springless mating and crimpless cable retention**
- **Consistent, overall optical “link budget”**
- **Durable, non-contacting interface helps ensure ease of use/cleaning**



TE Connectivity (TE) has developed its newest rugged expanded beam optical termini — Single Mode (SM) and Multimode (MM) EB16. The EB16 termini are size 16 optical contacts, fit-form compliant with MIL-DTL-38999 Series I and Series III and MIL-STD-1760 lanyard release size 16 AWG cavity.

These termini are drop-in replacements for the MIL-PRF-29504 /4 and /5 physical contact termini used in many ruggedized circular connector systems and can also be used in a hybrid combination with power contacts.

KEY BENEFITS

DURABLE

- No wear on the optical interface
- Shock and vibration resistant
- Highly resistant to dirt and debris

REPEATABLE, LOW-LOSS PERFORMANCE

- Low sensitivity to thermal fluctuations and interface contamination
- Consistent, overall optical “link budget”
- Stable operation over life of the system

EASY TO USE

- Drop-in replacement for the 29504 /4 and /5 physical contact termini
- Durable, non-contacting interface assists with ease of use/cleaning
- Installed with standard 29504 insertion/removal tools

VERSATILE

- Fits standard D38999 size 16 cavity
- SM: AR coated at 1310nm & 1550nm
- MM: AR coated at 850nm & 1300nm

LEARN MORE

[EB 16 SM & MM Landing Page](#)

[EB16 SM & MM Brochure](#)

KEY INDUSTRIES

- Military Ground and Aviation
- Commercial Aviation
- Space
- Harsh Environment Industrial

MECHANICAL

- Terminus Durability: >1000 mating cycles
- Operating Temperature: -65°C to +165°

MATERIALS

- Metal Components: Nickel-plated brass
- Ferrule and Split Sleeve: Zirconia
- Ball Lens: Glass, with anti-reflection coating
- Protective Cap: Vinyl

STANDARDS & SPECIFICATIONS

- Industry Standards: SAE AS3 AS8438 (AS6250), AS6251 and ARINC 845
- Termination Procedure: 408-163020