

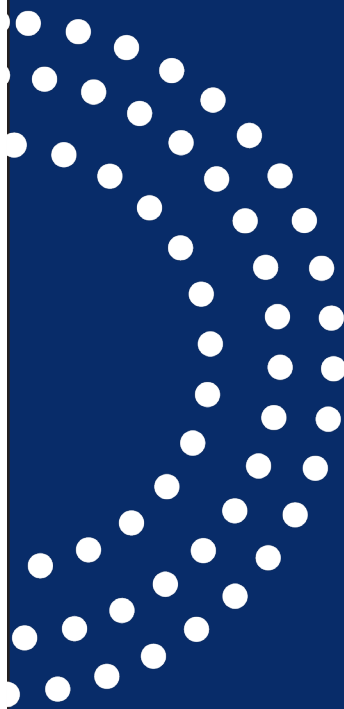


SIERRA
ELECTRONICS



Business White Paper

SMD Double Splice Tape



www.tapesplice.com

Ensuring Reliable Splicing with Sierra Electronics TapeSplice SMD Double Splice Tape

Executive Summary

Reel changeovers are a fact of life in SMT production, but downtime, misfeeds, and unreliable splices don't have to be. Sierra Electronics' TapeSplice SMD Double Splice Tape provides a simple, effective, and durable solution for connecting carrier tapes. Available in Yellow, Blue, Black, Green, and White, this versatile product reduces operator error, strengthens line organization, and ensures continuous, efficient operation.

The Industry Challenge

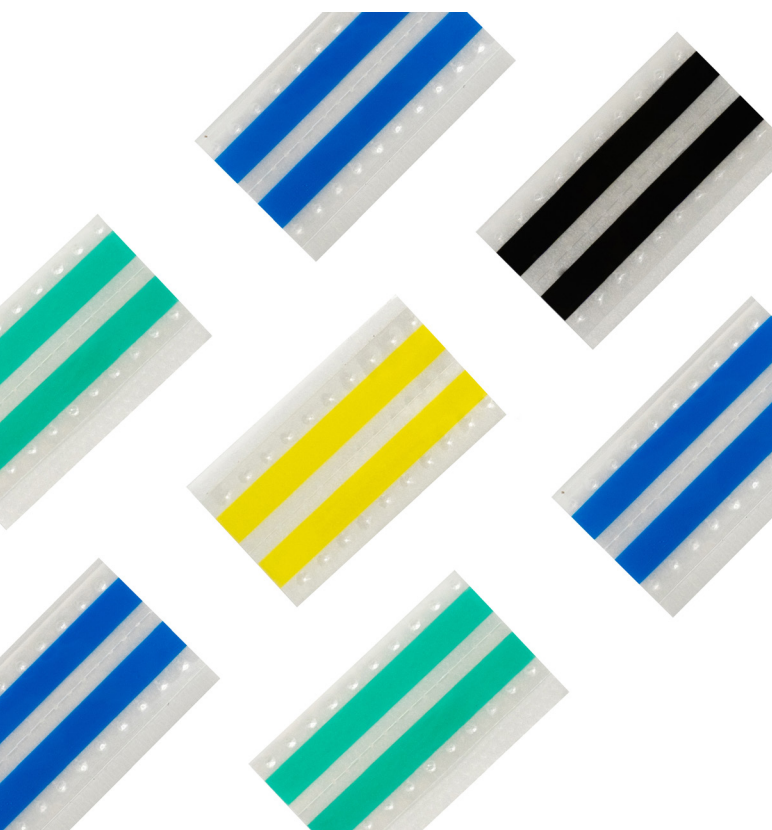
Poor-quality splicing materials often create more problems than they solve. Weak adhesives fail under feeder pressure, misaligned joints cause machine stoppages, and tape inconsistencies disrupt high-speed placement. Each interruption increases labor costs, reduces throughput, and risks damaging expensive components. For manufacturers competing on speed and quality, the margin for error is small.

The TapeSplice Solution

Sierra Electronics developed SMD Double Splice Tape to deliver strong, precise, and repeatable splicing across SMT environments. Each splice forms a gap-free joint that withstands the stresses of modern automated feeders. To support line efficiency, the tape is offered in **five** color-coded versions - Yellow, Blue, Black, Green, and White - **making it easy** for operators to organize reels and minimize mix-ups.

Key features include:

- Strong, reliable adhesive engineered for high-speed SMT conditions
- Color-coded versions to improve line organization and reduce operator error
- Anti-static materials that protect sensitive electronic components
- Compatibility with multiple tape widths including 8mm, 12mm, 16mm, 24mm, and wider formats



Technical Highlights

TapeSplice SMD Double Splice Tape is built to perform under demanding conditions. Its high-strength adhesive ensures a secure hold without residue or detachment. Precision alignment design helps operators achieve accurate splices quickly, reducing downtime during reel transitions. Anti-static materials safeguard delicate components, while multiple tape width options make it suitable for a wide range of carrier tapes.



Comparative Advantage

Compared to generic alternatives, TapeSplice SMD Double Splice Tape offers:

Up to 40% higher splice reliability, reducing costly stoppages

Improved operator efficiency, with faster reel transitions and less training required

Consistent quality, tested across major SMT platforms and feeder systems

Case Example

A global EMS company replaced its generic splicing products with Sierra Electronics' SMD Double Splice Tape.

Within six months, it recorded a 25% reduction in feeder stoppages, a 30% decrease in splice-related misfeeds, and 15% faster reel changeovers.

These improvements boosted throughput, lowered waste, and cut overall production costs.

Return on Investment

The ROI from using Sierra Electronics' SMD Double Splice Tape is both immediate and long-term. Faster reel transitions and reduced stoppages deliver quick savings, while fewer defects and stronger splice reliability ensure consistent performance across production runs. Manufacturers also gain organizational efficiency through color-coded versions, which reduce costly errors when managing multiple lines. Over time, these factors combine to lower operating expenses, increase yield, and enhance competitiveness in a fast-moving industry.