LIGHTING LEAF

2-PIN TAPE CONNECTORS

Single-Color 10 mm • Pierce-to-Contact & Crimp-Down

LED TAPE ACCESSORIES

Solderless | No special tools | 2-Pin | 10 mm | 24V DC tape | IP20 tape | 18–22 AWG unstripped | 10 pcs / pack

PRODUCT OVERVIEW

Fast, solderless connections that join single-color LED tape or bring power to it from a wire. A hinged **pierce-to-contact** connector covers E, IC, X and D Series (HD version also fits Radiance); a low-profile **crimp-down** clip covers Radiance (R) Series.

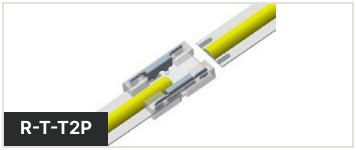
PIERCE-TO-CONTACT · HINGED CAP

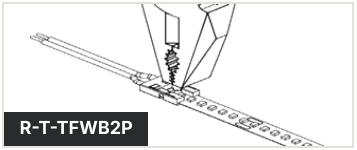

T-T2P / HDT-T2P


T-W2P / HDT-W2P

- Clear caps click locked; pads and wire stay visible.
- Takes unstripped 18–22 AWG wire (tape-to-wire).
- HD version fits every 2-pin non-IP series.

CRIMP-DOWN · LOW-PROFILE CLIP


R-T-T2P


R-T-TFWB2P

- Near-invisible joint that fits narrow channels.
- Crimps on with ordinary flat-nose pliers.
- Flex wire bridge turns corners and jumps gaps.

PART NUMBERS & COMPATIBILITY

PART NUMBER	CONNECTION	COMPATIBLE TAPE
PIERCE-TO-CONTACT — HINGED CAP		
T-T2P	Tape → Tape	E / IC / X Series E-24NBxx1.5 · IC-24NB301.5 · X-24NB301.5
T-W2P	Tape → Wire	E / IC / X Series E-24NBxx1.5 · IC-24NB301.5 · X-24NB301.5
HDT-T2P	Tape → Tape (HD)	**All 2-pin non-IP series** D-24NBxx4.4 · D-24SBxx5.0 · E-24NBxx1.5 · IC-24NB301.5 · X-24NB301.5 · R-24NBxx3.0
HDT-W2P	Tape → Wire (HD)	**All 2-pin non-IP series** D-24NBxx4.4 · D-24SBxx5.0 · E-24NBxx1.5 · IC-24NB301.5 · X-24NB301.5 · R-24NBxx3.0
CRIMP-DOWN — RADIANCE SINGLE-COLOR (R SERIES)		
R-T-T2P	Tape → Tape	Radiance (R) Series R-24NBxx3.0
R-T-TFWB2P	Flex Wire Bridge (corners)	Radiance (R) Series R-24NBxx3.0

All parts sold in packs of 10. For IP67 and multi-pin connectors, see the LL Connector Quick Reference.

READING THE PART NUMBER

HD / R	T	T / W / TFWB	2P	HDT-W2P
Series · none = E/IC/X · HD = all 2-pin non-IP · R = Radiance	From · Tape	To · Tape · Wire · Flex Wire Bridge	Pins · 2-pin	Example · HD tape-to-wire, 2-pin

CHOOSING A RADIANCE CONNECTOR

PIERCE-TO-CONTACT (IDC)

HDT-W2P · HDT-T2P

Best when you already have a power wire. Land the existing 18–22 AWG feed straight into the connector. No splice is needed.

CRIMP-DOWN

R-T-TFWB2P · R-T-T2P

Best for wire-to-wire power. Its own wire splices to the feed or bridges to the next run. Lowest profile in channels.

USE FOR

- Joining cut sections of tape end-to-end.
- Feeding power from a driver, dimmer or junction box.
- Coves, under-cabinet, shelf and channel installs.

NOT FOR

- IP67 tape. Use **WP67-** or **R-WP67** connectors.
- CCT, RGB, RGBW, RGB+CCT or 12 mm tape.
- Standard **T-T2P** / **T-W2P** on D or Radiance. Use HD.

Specifications may vary with use and are subject to change. See lightingleaf.com for current data.

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LIGHTING LEAF

INSTALLATION GUIDE

2-Pin Tape Connectors • Pierce-to-Contact & Crimp-Down

BEFORE YOU START

Turn off power at the driver before making or changing any connection. These steps apply to every connector in this guide.

01 Check polarity
Match + and – on the tape to the connector markings. On wire, red goes to +.

02 Peel adhesive backing
Fully remove the liner from the tape end before inserting it.

03 Cut marks only
Land connectors on copper pad sections only, never on soldered tape joints.

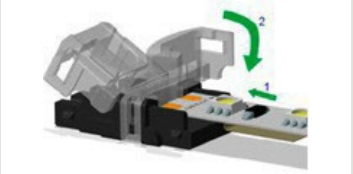
04 Insert tape fully
Push to the stop so the pads align with the contact points.

A · PIERCE-TO-CONTACT

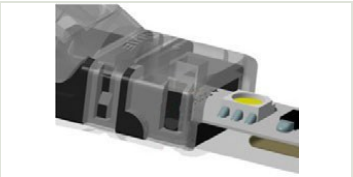
T-T2P · **T-W2P** on E / IC / X | **HDT-T2P** · **HDT-W2P** on all 2-pin non-IP series



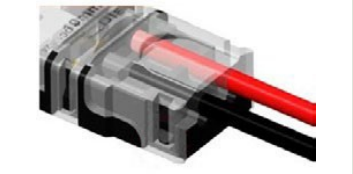
1 **Prepare the tape.** Cut at a cut mark and peel the adhesive liner back from the end.



2 **Open the cap and insert the tape** pads facing the contacts, until it stops.



3 **Close the cap.** Press until it clicks locked over the tabs on both sides.

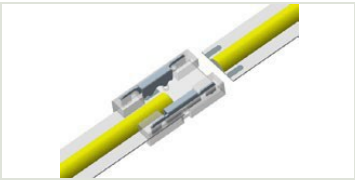


4 **Tape-to-wire only:** lay unstripped 18–22 AWG wire in the grooves, red to +, and close the cap until it locks.

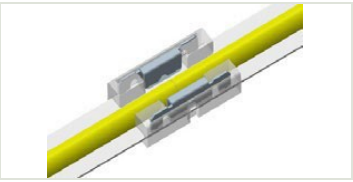
DO NOT STRIP WIRE. The contacts pierce the insulation. Stripped or tinned wire will not hold.

B · CRIMP-DOWN

R-T-T2P · **R-T-TFWB2P** on Radiance (R) Series



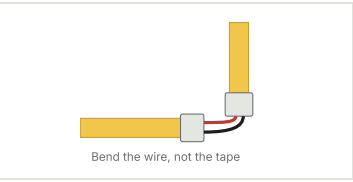
1 **Insert the tape** into the clip, centered, with the pads under the contacts.



2 **Meet at the center line.** For tape-to-tape, both ends butt together in the middle.



3 **Crimp down** with flat-nose pliers until the top of the clip is flat.



4 **Flex wire bridge:** crimp one end to each tape run, then route the wire around the corner. Keep + on the same side.

DO NOT DAMAGE LEDS. Keep pliers on the clip only, never on the LEDs.

TROUBLESHOOTING

SYMPTOM	LIKELY CAUSE	FIX
Section after the connector stays dark	Reversed polarity, tape not fully inserted, or cap/clip not locked	Confirm + to +. Re-seat the tape to the stop, then close the cap until it clicks or re-crimp flat.
Light flickers when the tape is touched	Adhesive or debris under the contacts, or a partial crimp	Power off, recut at the next cut mark, remove the liner fully and use a new connector.
Wire lead does not power the tape	Wire stripped, wrong gauge, or not fully in the groove	Use unstripped 18–22 AWG wire seated fully in the groove, red to +.
Connector does not grip the tape	Wrong tape width or series, or IP67 tape	Check the compatibility table. Use WP67 connectors for IP67 tape.

Connectors are single-use once closed or crimped. To reposition a joint, recut at the next cut mark and use a new connector.

Install in accordance with local electrical codes. Instructions subject to change. See lightingleaf.com for current data.

lightingleaf.com • A Difference You Can See
Rev. 2026 • For more information: sales@lightingleaf.com

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