

Manufacturer and designer of interconnect solutions

Workshop Session:

代理店:

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LIGHTING APPLICATION











INPUT / GENERALITY

Coming from:

- Job stream: Installation of exhibition stands / Professional and particular lighting with LEDs.
- Application: To Enlighten underground parkings with LEDs / To connect LEDstrip products.

Needs of customers:

- Connect lighting application :

- Electroluminescent tape
- LED strip
- LED spotlights

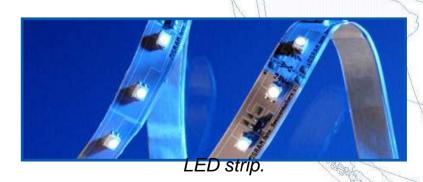
Customer requirements:

- Time saving to connect the lightning
- Link with crimping cable
- Manual crimping on the field
- Small size and robust
- Locking system

Product use:

- on event booths
- Signboards for security, promotions...
- Interior and exterior decorations
- Dashboards, LED products







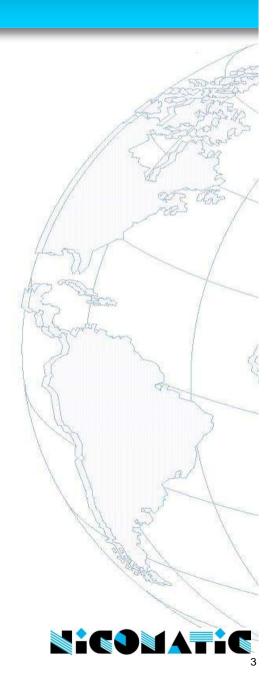
WAY TO DESIGN

Qualified technology:

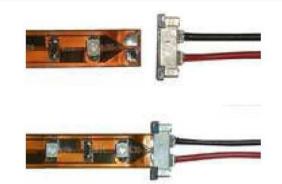
- LF CMM contacts to crimp on cable.
- MICROFLEX® technology.
- CRIMPFLEX 1.27mm female contacts.
- Crimping technology.
- Latch technology with CRIMPFLEX housings.

Technology to adapt:

- Male housing, single row with latch for on cable contacts.
- Female housing single row for CRIMPFLEX 1.27mm contacts.
- Hand crimp tool.



COMPETITOR



Connection use by LEDPOWER.

Competitor:

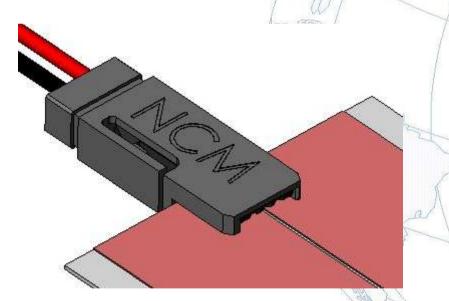
- TYCO
- MOLEX
- AMPHENOL

. . .

LEDPOWER complains of :

- Difficulty to install

- Unexpected unmating



NICOMATIC solution



NICOMATIC SOLUTION

Used the C12935 LF contacts insertion tool to insert the 12960 LF contacts in the 16336 housing.

CMM contact « C » Crimp or solder Ref: 12960

Male single row housing, 2 points.

Ref: 16336



LF contacts insertion tool

Ref: C12935

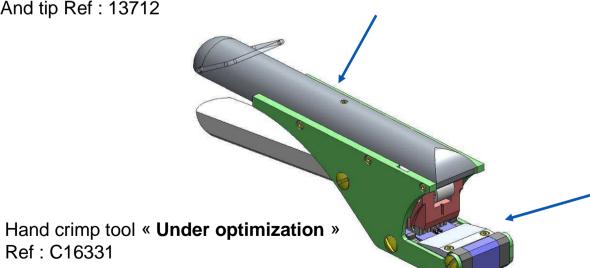
Ref: C16331

With body Ref: 13241

And tip Ref: 13712

Used the C16331 Crimping tool to crimp the 12960 contacts on cables. Female single row housing, 2 points. Ref: 16337

> CRIMPFLEX 1.27 pitch, female contact. Ref: 16068-YX

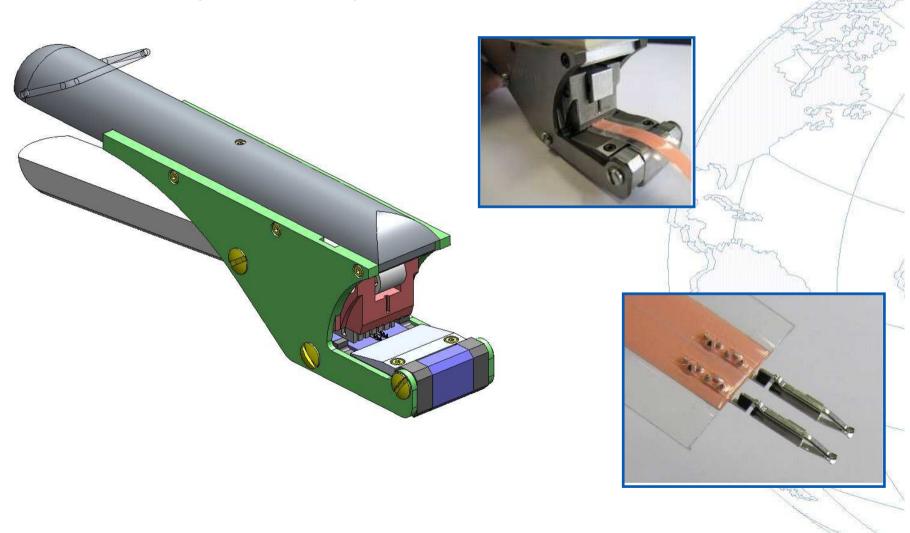


Used the C16331 Crimping tool to crimp the 16068-YX contacts on electroluminescent tape.

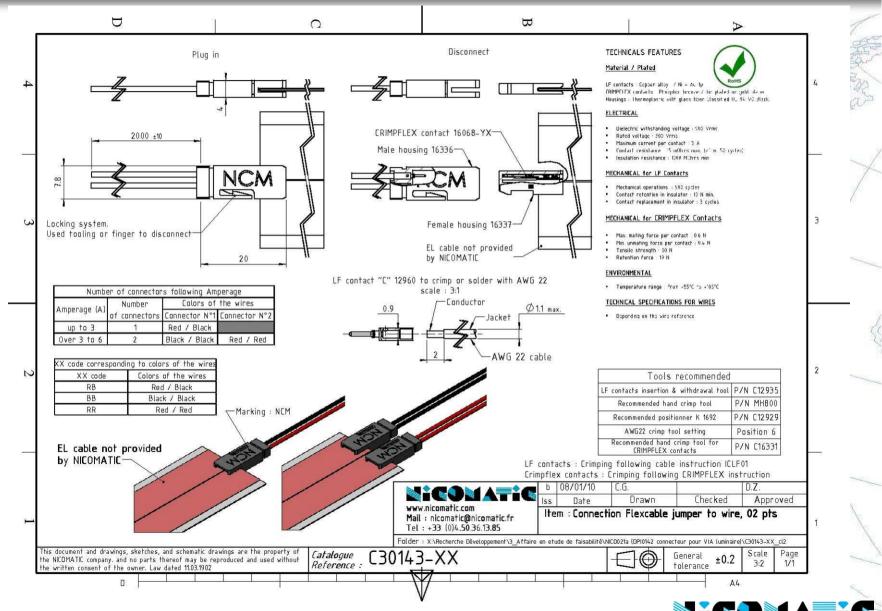


TECHNICAL DATA

C16331 hand crimp tool "under optimization".



TECHNICAL DATA



TECHNICAL DATA

Advantage:

- Small size (thickness)
- design, esthetic
- Robust
- Same electrical performances as CRIMPFLEX™.
- Crimp on field.
- Locking system

Part Number:

- Connection flexcable jumper to wire, 2pts : C30143-XX
- Hand crimp tool: C16331

Availability:

- 15th of February : Samples are available.
- End of March: Hand crimp tool is available (to buy or to rent, tbc)





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THANK YOU





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