

Nano-Fit™ TPA Discrete Wire Cable Assemblies



Nano-Fit™ TPA Discrete Wire Cable Assemblies deliver off-the-shelf (OTS) solutions with a broad offering of Molex connectors and a variety of cable lengths to facilitate both prototyping and global production

Features and Benefits

UL 1061 discrete wires

Ready to use in electronic appliance applications. Provide ease of design, prototyping and production

Meets 2011/65/EU

RoHS Compliance

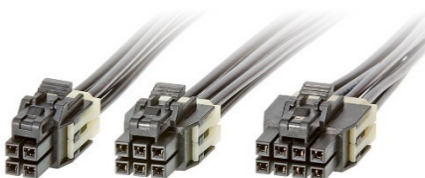
Decreases engineering time and resources



Nano-Fit™ TPA Cable Assembly

Assembled in ISO/
TS16949-certified facilities

Ensures high quality. Meets current automotive industry standards



Nano-Fit™ TPA Standard Discrete Cable Assemblies

Pin-to-pin mapping from receptacle to PCB header

Provides ready-to-use, plug-and-play connections

Nano-Fit™ TPA Cable Assembly has up to a 6.5A current rating in a small package

Brings space savings for design flexibility

Applications

Consumer

- Fitness equipment
- Home entertainment systems
- Home appliances
- Home office
- Home security systems
- Portable electronic devices
- Gaming consoles
- Mobile devices



Gaming Machines



Office Equipment



Industrial Automation

Commercial Vehicle

Industrial

- Process controls

Medical

- Patient monitors

Nano-Fit™ TPA Discrete Wire Cable Assemblies



Specifications

REFERENCE INFORMATION

Connector UL File No.: E29179
CSA File No.: LR19980
IEC File No.: Pending
Mates With: Nano-Fit™ Connectors and Receptacles only — no competitive cross
Terminal Used: Nano-Fit™
Designed In: Millimeters
RoHS: Yes
Halogen Free: Yes
Glow-Wire Compliant: No

ELECTRICAL

Voltage (max.): 300V
Current (max.): 6.5A
Contact Resistance (max.): 10 milliohms change over life
Dielectric Withstanding Voltage: 1600V
Insulation Resistance (min.): 1000 Megohms

MECHANICAL

Mating Force: 3N
Unmating Force: 3N
Durability (min.): 20 tin, 50 gold

PHYSICAL

Housing:
Receptacle: Nylon UL 94V-0
Header: LCP UL 94V-0
Contact: Brass
Plating:
Contact Area — Tin or 381µ (15µ") Gold or 762µ

Ordering Information

Series No.	Component	Type	Circuits	Length (m)
45130	Nano-Fit™ TPA Receptacle	Dual Row	2, 4, 6 and 8	150, 300, 1,000

Custom Product	Description
Contact Molex	Nano-Fit™ Discrete Wire Cable Assembly

www.molex.com/link/otscableassemblies.html