TENGO NDR PRODUCT APPLICATIONS
NEW DESIGN AND COMPETITIVE CONVERSION REGISTRATIONS

PRODUCTS

| PRODUCTS	Aerospace & Defense	Automation & Control	Business Retail Equipment	Data Communications Equipment	Elevators & Escalators	Engine & Vehicle	HVAC	Indoor Lighting	Industrial Control Systems	Industrial Machinery & Equipment	Industrial Motors	Industrial Power Distribution	Medical Equipment	Outdoor Lighting	Pumps & Compressors	Safety & Security	Small Appliance	Test & Measurement	Wearables
AMPLIVAR Terminals & Splices						●	●		●	●	●				●		●		
Antennas		●	●					●	●				●			●			●
ARISO Contactless Connectivity		●							●										
Board Level Shielding			●	●												●			●
CFP2/4 Connectors				●															
CFP Pluggable I/O Connectors				●					●										
DWFR Heat Shrink Tubing				●	●		●		●	●	●	●		●			●	●	
ELCON Mini I/O Power Connectors	●	●		●					●	●		●	●						
Force Sensors	●	●							●	●			●		●			●	●
FullAXS/FullAXS Mini Connector Sealing & Cable Assemblies	●	●		●					●	●									
Heavy Duty Connectors		●			●				●	●	●	●							
Hermaphroditic Connectors			●					●											
HFT5000 Heat Shrink Tubing	●		●			●			●										
HT-200 Heat Shrink Tubing	●								●										
Humidity Sensors	●		●										●			●			●
IMPACT Backplane Products				●									●					●	
MAG-MATE Terminals						●	●		●	●	●				●		●		
microQSFP Connectors				●															
Mini-SAS HD Connectors				●															
MOTORMAN Hybrid Connectors		●								●	●	●							
NECTOR M Power System			●					●						●					
Piezo Film Sensors								●		●			●			●		●	●
Position Sensors	●	●			●		●		●	●		●	●		●	●		●	●
Power Data Communication Cable Assemblies	●	●		●					●	●		●	●						
Power Key Connectors		●				●			●	●			●				●		
POWER TRIPLE LOCK Connectors		●	●			●	●		●	●			●				●		
Pressure Sensors	●	●					●		●	●			●			●	●		●
QSFP+ Pluggable I/O Connectors				●														●	
RayBlock Heat Shrink Sealing Kits						●			●					●					
SFP Pluggable I/O Connectors		●		●					●	●			●						
SFP+ Pluggable I/O Connectors				●														●	
Siameze Terminals						●	●		●	●	●				●		●		
Single Wall Flame Retardant (SWFR) Tubing		●	●	●	●	●			●	●							●		
Sliver Connectors and Cable Assemblies				●															
STRADA Whisper Backplane Products				●															
Temperature Sensors	●	●					●		●	●	●				●		●	●	●
ZHD Labels	●	●			●		●		●	●	●	●			●				
zQSFP+ Pluggable I/O Connectors				●															
zSFP+ Pluggable I/O Connectors				●									●						

AEROSPACE & DEFENSE

AUTOMATION & CONTROL

BUSINESS AND RETAIL EQUIPMENT
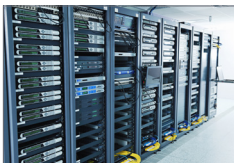
DATA COMMUNICATIONS

ELEVATORS & ESCALATORS

ENGINES & VEHICLES

HVAC

INDOOR LIGHTING

INDUSTRIAL CONTROL

INDUSTRIAL MACHINERY & EQUIPMENT

INDUSTRIAL MOTORS

INDUSTRIAL POWER DISTRIBUTION
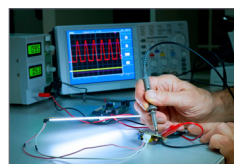
MEDICAL EQUIPMENT

OUTDOOR LIGHTING

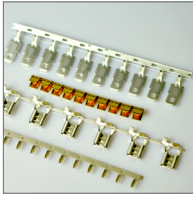**PUMPS & COMPRESSORS**

SAFETY & SECURITY
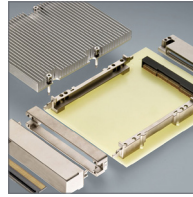
SMALL APPLIANCES

TEST & MEASUREMENT

WEARABLES

AMPLIVAR Terminals & Splices

Produce a superior metal-to-metal compression crimp with excellent tensile strength and conductivity

CFP Pluggable I/O Connectors

Support 40 Gbps and 100 Gbps Ethernet applications at 10 Gbps data rates per channel

Antennas

Accommodate numerous sets of frequency bands for operation on most networks — in either regional or global markets
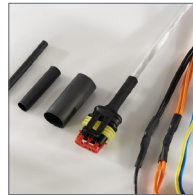
DWFR Heat Shrink Tubing

Withstand mechanical stress, resist moisture ingress and protect components and wiring with highly flame retardant tubing

ARISO Contactless Connectivity

Allow the delivery of robust power, signals and data without any physical connector contact

ELCON Mini I/O Power Connectors

Support a higher current rating than similar small sized solutions (up to 40A per contact, 400 Volts AC or DC)

Board Level Shielding

Minimize crosstalk and reduce EMI susceptibility with a lightweight and thermally conductive solution offered in cold rolled steel and aluminum materials

Force Sensors

Measure static or dynamic force and torque in demanding applications such as steel mills, power plants, and general machine functions
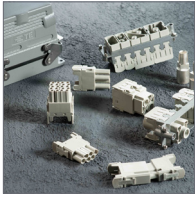
CFP2/4 Connectors

Transfer more data in a smaller space with a high density, 0.6mm contact pitch that provides up to 28 Gbps per lane

FullAXS/FullAXS Mini Connector Sealing & Cable Assembly System

Enables one-handed, blind installs from any angle with a product that is scalable to meet most infrastructure requirements
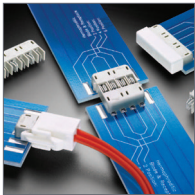
Heavy Duty Connectors

Allow for easy assembly of the modular inserts, minimize installation cost and maximize machine modularity with unique, time saving 1-piece connector frame
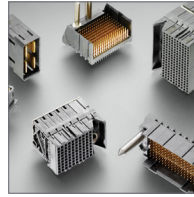
IMPACT Backplane Products

Save space using differential pair density with up to 80 pairs per linear inch

Hermaphroditic Connectors

Offer low profile connectors that mate to themselves horizontally and vertically for lighting applications

MAG-MATE Terminals

Produce stable, gas-tight electrical magnet wire terminations free of oxides and other contaminants with clean metal-to-metal interface
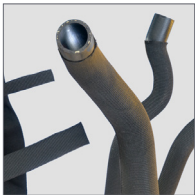
HFT5000 Heat Shrink Tubing

Suppress noise and protect hoses, pipes and wiring bundles from mechanical abrasion, chafing and cutting with heat-shrinkable fabric tubing

microQSFP Connectors

Save space on the PC board with this first to market product that has a 33% higher density design than existing QSFP form factors with superior thermal performance

HT-200 Heat Shrink Tubing

Protect wiring, connections and components with flexible, high-clarity, highly flame-resistant, high-temperature, chemical resistant tubing
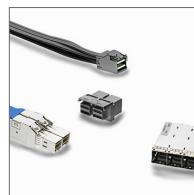
Mini-SAS HD Connectors

Save additional 30% to 50% PCB space and offer one-step placement to the board

Humidity Sensors

Provide accurate measurement of dew point and absolute humidity by combining relative humidity and temperature measurements
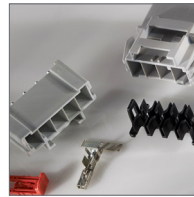
MOTORMAN Hybrid Connectors

Satisfy power, signal and communication needs in one compact connector

NECTOR M Power System

Offers a compact, easy to install, fully pluggable interconnect solution with low installation costs and a true plug-and-play interface

POWER TRIPLE LOCK Connectors

Offer reliability with audible lock and 3 different locking mechanisms handling up to 20A in different materials to support various temperature and flammability ratings
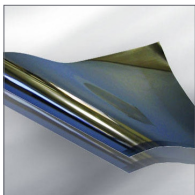
Piezo Film Sensors

Produce voltage or charge proportional to dynamic strain with piezoelectric fluoropolymer film

Pressure Sensors

Measure everything from inches of water column (<5 mbar) to 100K psi (7K bar) with piezoresistive Microelectromechanical (MEMS) and silicon strain gauge (Microfused, Krystal Bond) technology

Position Sensors

Enable design flexibility with our core technologies, including inductive, potentiometric, magnetoresistive, hall effect, reed switch, electrolytic and capacitive sensing

QSFP+ Pluggable I/O Connectors

Provide 3x to 4x the density of SFP+ and XFP interconnects with four channels in one interface

Power Data Communication Cable Assemblies

Offer a highly customizable solution with standard or high-flex cable assembly designs for easier routability
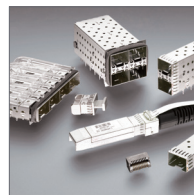
RayBlock Heat Shrink Sealing Kits

Environmentally seals cable bundles and the back of connectors while providing strain relief

Power Key Connectors

Deliver power to board while optimizing contact seating and proper mating to the PCB header

SFP Pluggable I/O Connectors

Support applications up to 4 Gbps with single port, ganged and stacked cages and a 20 position PT connector

SFP+ Pluggable I/O Connectors

Support high density design with belly-to-belly configuration and maximize system thermal management with heat sink options

Temperature Sensors

Measure low and high temperature in a wide range of environments. Designed for demanding applications in power plants, chemical plants, wind farms, and general machine automation.

Siameze Terminals

Provide a compact solution for clean metal-to-metal termination of magnet wires without stripping

ZHD Heat Shrinkable Wire Identification Labels

Enable both low fire hazard and diesel resistance in a single cable identification solution

Single Wall Flame Retardant (SWFR) Tubing

Enable electrical insulation and mechanical protection with halogen-free, UL-VW 1 rated irradiated polyolefin tubing

zQSFP+ Pluggable I/O Connectors

Increase data rates with 2.5 times more throughput than existing solutions by supporting up to 28 Gbps

Sliver Connectors and Cable Assemblies

Provide one of the most flexible solutions for making internal I/O connections on the board and simplify overall system design for high speed routing to reach speeds up to 25 Gbps

zSFP+ Pluggable I/O Connectors

Perform at data rates of 28 Gbps up to 40 Gbps and enable superior signal integrity, mechanical and electrical performance
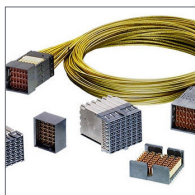
STRADA Whisper Backplane Products

Support up to 56 Gbps (PAM4 and NRZ) with best in class electrical performance

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