
  **Trusted safety for vibrating environments**



VIBRA-SAFE CONNECTORS: PRODUCT OVERVIEW

Information on company, services and testing standard

■ GSN ELECTRONICS INCORPORATION PTE LTD – COMPANY OVERVIEW

Group location:

- Headquarters: Singapore
- Manufacturing plant locations: China (4 facilities)
- Representative offices: China and Germany

Group employees: over 1,500

Group turnover: RMB 1,100 million (ca. USD 180 million)

Certification status: Certified under ISO TS16949, ISO 9001, ISO 14001

■ GSN RANGE OF SERVICES

GSN manufactures electronic connectors (both standard and customer-specific) and cable assemblies.

(see also www.gsn.cn.com)

■ VIBRA-SAFE TESTING STANDARD *

"All vibra-safe products pass the testing standard ISO 16750-3 for road vehicles.

The ISO 16750-3 testing standard consist of these elements:

- Mechanical shock test
- Vibration/temperature test
- Free fall test
- Gravel bombardment test

If you are interested in details, please contact us.

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VIBRA-SAFE IDC *

FEMALE IDC HEADER WITH SECURE DOUBLE CONTACT

NEW: GSN HAS LAUNCHED ITS NEW **IDC** CONNECTING SYSTEM WITH TWO CONTACT POINTS.

The new **Double Contact System** provides much better withholding forces and contact performance as standard IDC connectors with only a single contact point.

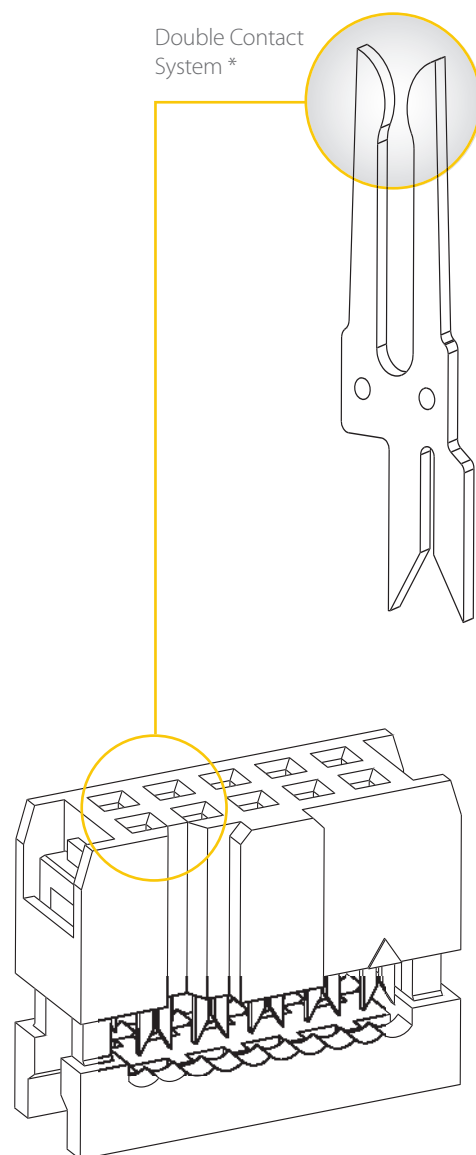
GSN recommends to use the vibra-safe series as standard solution in your product applications. For higher safety and a better contact performance!

MAIN PRODUCT FEATURES

Pitch:	Connector:	2.54 mm
	Flat Ribbon Cable:	1.27 mm
Current:	1A	
No. of Rows:	2 only	
Product Options:	Male Header with or without locking latch Male Header in THT, THR and SMT Female Header with or without strain relief	

Please ask for specs/samples: service@gsn.cn

Double Contact System *



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VIBRA-SAFE 1.0 *

SECURE CRIMP WITH SECURE LOCKING

NEW: THE GSN 1.00mm CRIMP CONNECTOR SYSTEM WITH SECURE LOCKING LATCHES.

The new **Vibra-Safe 1.0 System** has been designed for higher product safety and easier mating operation. It provides these advantages:

- > Secure double locking system
- > Terminal locking system
- > Protection against mismating
- > Clear mating click sounds
- > Requires less space by 2 row design

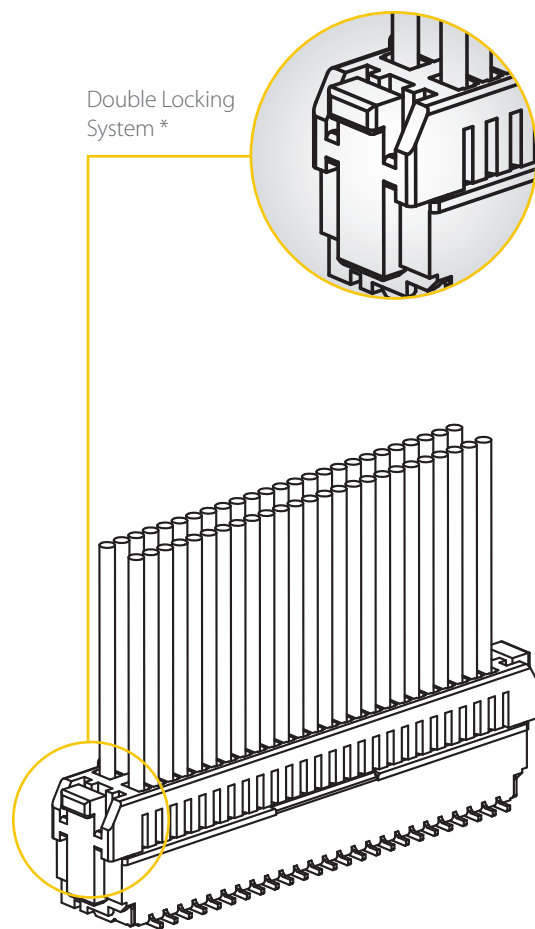
GSN recommends to use the vibra-safe series as standard solution in your product applications. For higher safety and a better contact performance!

MAIN PRODUCT FEATURES

Pitch:	1.00 mm
Current rating:	1A
No. of rows:	2
Pole No.:	20 (2x10), 30 (2x15), 40 (2x20), 50 (2x25) Please ask for other pole numbers
PCB soldering:	SMT

Please ask for specs/samples: service@gsn.cn.com

Double Locking System *



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VIBRA-SAFE 2.0 *

SECURE CRIMP WITH SECURE LOCKING

NEW: THE GSN 2.00mm CRIMP CONNECTOR SYSTEM WITH SECURE LOCKING LATCHES.

The new **Vibra-Safe 2.0 System** has been designed for higher product safety and easier mating operation. It provides these advantages:

- > Secure locking system
- > Terminal locking system
- > Protection against mismating
- > Clear mating click sounds
- > Requires less space by 2 row design

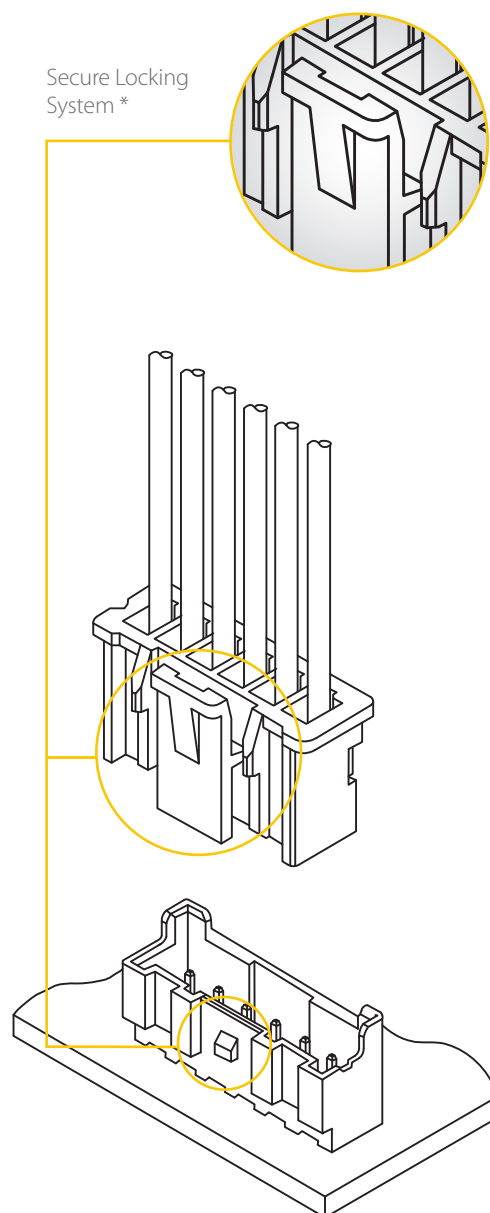
GSN recommends to use the vibra-safe series as standard solution in your product applications. For higher safety and a better contact performance!

MAIN PRODUCT FEATURES

Pitch:	2.00 mm
Current rating:	3A
No. of rows:	1
Pole No.:	02 - 15
PCB soldering:	THT, THR

Please ask for specs/samples: service@gsn.cn

Secure Locking System *



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VIBRA-SAFE 3.0 *

SECURE CRIMP WITH SECURE LOCKING

THE GSN 3.00mm CRIMP CONNECTOR SYSTEM WITH SECURE LOCKING LATCHES.

The new **Vibra-Safe 3.0 System** has been designed for higher product safety and easier mating operation. It provides these advantages:

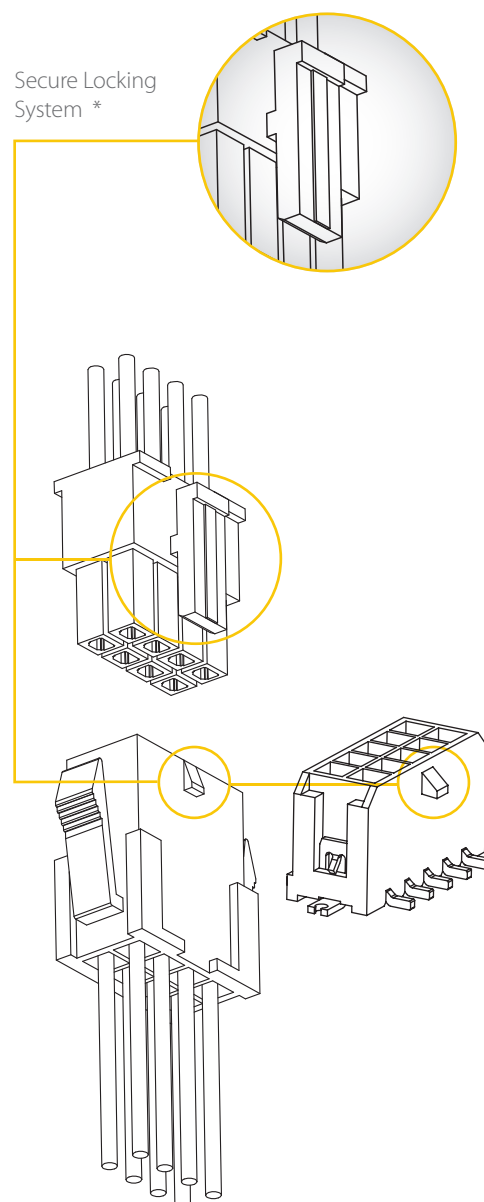
- > Secure locking system
- > Automotive approved
- > High power solution
- > Terminal locking system
- > Protection against mismatching
- > Clear mating click sounds
- > Requires less space by 2 row design
- > Wire to wire available.

GSN recommends to use the vibra-safe series as standard solution in your product applications. For higher safety and a better contact performance!

MAIN PRODUCT FEATURES

Pitch:	3.00 mm
Current rating:	5A
No. of rows:	1 & 2
Pole No.:	02 – 12 (1 row) (02 – 24 (2 row)
PCB soldering:	THT, THR and SMT

Please ask for specs/samples: service@gsn.cn.com



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VIBRA-SAFE X.8 *

SECURE WITH THREAD LOCKING

The new **Vibra-Safe X.8 System** has been designed for higher product safety and easier mating operation in rugged environments. It provides these advantages:

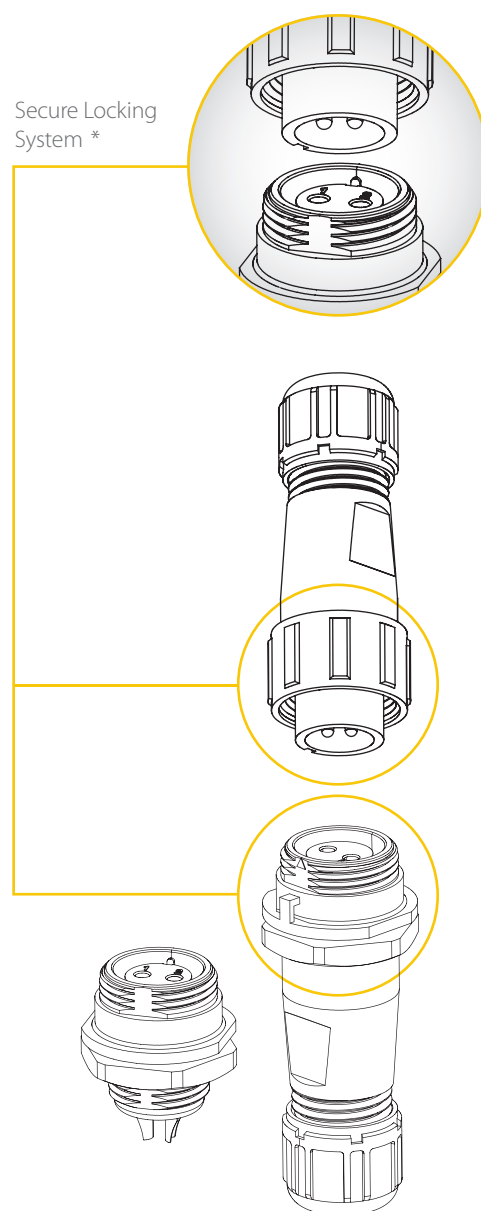
- > Secure locking system
- > IP 68 approved
- > Protection against mismating
- > Requires minimum space by new design
- > Wire to wire and wire to front panel available

GSN recommends to use the vibra-safe series as standard solution in your product applications. For higher safety and a better contact performance!

MAIN PRODUCT FEATURES

Outer diameter:	max. 20mm
Pole No & current rating:	02-, 03-pole: 13A 04-, 05-, 06-, 07-pole: 5A / 09-pole: 3A
Mating options::	Wire to wire and front panel

Please ask for specs/samples: service@gsn.cn.com



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CONTACT

■ CHINA

GSN Electronics (Shenzhen) Pte Ltd.
518109 Shenzhen, P.R.C.
T. +86 755 26 62 30 93
service@gsn.cn.com

■ EUROPE

GSN Corporation GmbH & Co. KG
68309 Mannheim / Germany
T. +49 (0) 621 72 78 50
service@gsneurope.com

www.gsn.cn.com

■ CERTIFIED UNDER:

- ISO TS16949
- ISO 9001
- ISO 14001



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