

FEATURES AND SPECIFICATIONS



RAST 2.5 Vertical Male Headers 2.50 and 5.00mm (.098 and .197") Pitch

93070 2.50mm (.098") Pitch
93071 5.00mm (.197") Pitch

Designed to the European RAST standard, Molex now offers a comprehensive offering of Glow-Wire compatible RAST connectors and headers for white good applications

RAST, the European standard connector for home appliances, is now being adopted by appliance manufacturers. The connector family incorporates a range for crimp and IDT connectors and PCB headers. With the addition of the RAST 2.50mm (.098") headers, Molex now offers a comprehensive range for both connectors and headers to our customers.

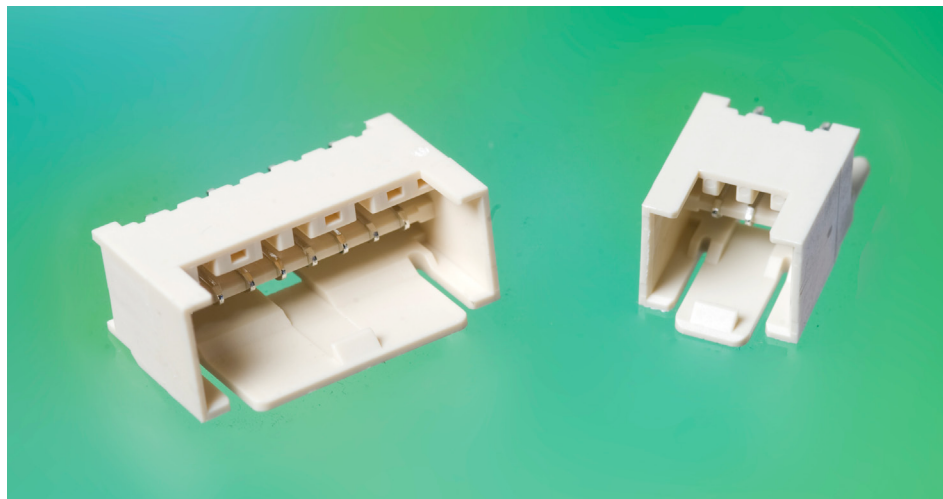
Series 93070 performs at 32V on a 2.50mm (.098") pitch and Series 93071 headers are designed with a 5.00mm (.197") pitch to perform to 240V. RAST is an acronym for the German words Raster Anschluss

Steck Technik (roughly translated as Pitch Connection Plug Technology). Generally, RAST is followed by a numerical value which represents the contact centerline spacing (in millimeters) for the interconnection.

The RAST vertical header housing material meets the IEC 60335 Glow-Wire standard for 750C and meets UL 94V-0 flammability requirements. The header is designed to the RAST standard interface and can mate with female connectors from the main RAST suppliers. For more information on RAST2.5, please visit: www.molex.com/link/rast25.html.

Features and Benefits

- Housing material is 750C Glow Wire compatible and meets European safety standards
- Housing material is designed to meet UL 94V-0 requirements and meets US safety standards
- Footprint compatible with competitor's parts allows drop-in replacement and no barrier to design in
- Multiple coding options available allows specific coding for each header on the PCB



Left: 8-Circuit 2.50mm (.098") Pitch Header (Series 93070)
Right: 3-Circuit 2.50mm (.098") Pitch Header (Series 93070)

SPECIFICATIONS

Reference Information

Packaging: Box

UL File No.: pending

CSA File No.: pending

VDE file No: pending

93070 Mates With: 91716, 93050, 90871

93071 Mates with: 91717, 93051, 90872, 91627

Electrical

Voltage (max.):

Series 93070: 32V

Series 93071: 250V

Current (max.): 6.0A

Contact Resistance: 10 milliohms max.

Dielectric Withstanding Voltage: 1000V

Insulation Resistance: >109 Ohms

Mechanical

Contact Retention to Housing: >20N

Physical

Housing: Nylon 6

Contact: Brass

Plating:

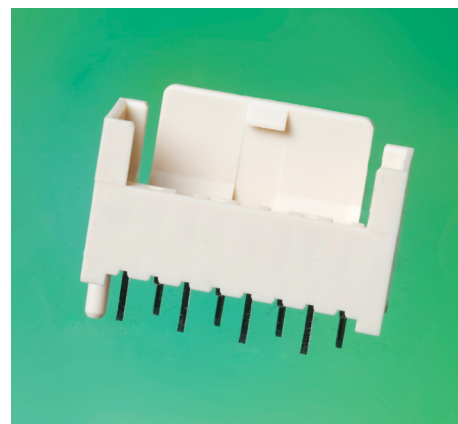
Contact Area — 3 to 7µm Tin (Sn)

Solder Tail Area — 3 to 7µm Tin (Sn)

Underplating — 1µm Nickel, (Ni)

PCB Thickness: 1.50mm (.059") +/-

Operating Temperature: -20 to +120°C



8-Circuit Header (Series 93070)

APPLICATIONS



RAST 2.5 Vertical Male Headers 2.50 and 5.00mm (.098 and .197") Pitch

- Home appliance / white goods
 - Washing machines
 - Dishwashers
 - Dryers

93070 2.50mm (.098") Pitch

93071 5.00mm (.197") Pitch



ORDERING INFORMATION

Order No.	Pitch	Circuit Size	Voltage	Coding	Latching	Plant No. for Samples
93071-0001	5.00mm (.197")	2	250V	None	Yes	Molex Shanghai (plant 2601)
93071-1001		3				
93070-0001	2.50mm (.098")	3	32V			
93070-1001		5				
93070-1501		6				
93070-2001		7				
93070-2501		8				
93070-3001		9				
93070-3501		10				
93070-4501		12				

www.molex.com/link/rast25.html

Americas Headquarters
Lisle, Illinois 60532 U.S.A.
1-800-78MOLEX
amerinfo@molex.com

Asia Pacific North Headquarters
Yamato, Kanagawa, Japan
81-46-265-2325
apninfo@molex.com

Asia Pacific South Headquarters
Jurong, Singapore
65-6268-6868
apsinfo@molex.com

European Headquarters
Munich, Germany
49-89-413092-0
eurinfo@molex.com

Corporate Headquarters
2222 Wellington Ct.
Lisle, IL 60532 U.S.A.
P: 630-969-4550 F: 630-969-1352