

2312212-1 ✓ ACTIVE

NanoMQS

TE Internal #: 2312212-1

12 Position Housing, Receptacle, Cable-to-Board / Cable-to-Cable,  
1.8 mm Centerline, Black, Wire & Cable, Signal, Cable Mount (Free-  
Hanging)

[View on TE.com >](#)



Connectors > Automotive Connectors > Automotive Housings



Number of Positions: 12

Connector & Housing Type: Receptacle

Mating Tab Width: .5 mm

Connector System: Cable-to-Cable, Cable-to-Board

Centerline (Pitch): 1.8 mm

## Features

### Mechanical Attachment

Mating Alignment Type	Keyed
Mating Alignment	With
Connector Mounting Type	Cable Mount (Free-Hanging)

### Housing Features

Housing Material	PBT GF10
Centerline (Pitch)	1.8 mm

### Contact Features

Contact Size	.5mm, .4mm
Contact Type	Receptacle
Mating Tab Width	.5 mm
Contact Current Rating (Max)	3 A

### Product Type Features

Connector Shape	Rectangular
Mixed & Hybrid Connector	No



Connector & Housing Type	Receptacle
Connector System	Cable-to-Cable, Cable-to-Board
Sealable	No
Primary Locking Feature	Locking Lance
Connector & Contact Terminates To	Wire & Cable

### Configuration Features

Number of Positions	12
Number of Rows	2

### Electrical Characteristics

Nominal Voltage Architecture	12 V
------------------------------	------

### Body Features

Primary Product Color	Black
Connector & Keying Code	A

### Usage Conditions

Operating Temperature (Max)	105 °C
Operating Temperature Range	-40 – 105 °C[-40 – 221 °F]

### Operation/Application

Circuit Application	Signal
---------------------	--------

### Other

Connector Position Assurance Capable	No
EU RoHS Compliance	Compliant
EU ELV Compliance	Compliant

### Product Compliance

[For compliance documentation, visit the product page on TE.com>](#)

EU RoHS Directive 2011/65/EU	Compliant
EU ELV Directive 2000/53/EC	Compliant
China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2024 (241) Candidate List Declared Against: JUNE 2024 (241) Does not contain REACH SVHC





Halogen Content	Low Halogen - Br, Cl, F, I < 900 ppm per homogenous material. Also BFR/CFR/PVC Free
Solder Process Capability	Not reviewed for solder process capability



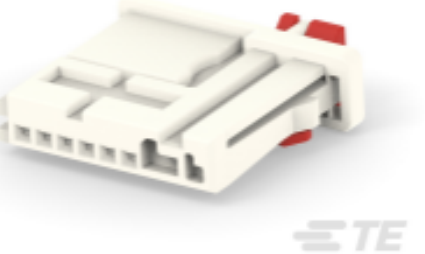
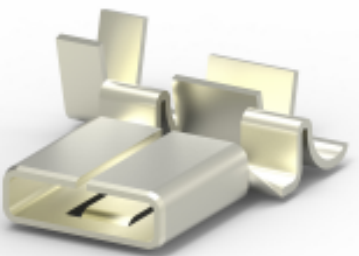



Product Compliance Disclaimer

This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight in homogenous materials for lead, hexavalent chromium, mercury, PBB, PBDE, DBP, BBP, DEHP, DIBP, and 0.01% for cadmium, or qualify for an exemption to these limits as defined in the Annexes of Directive 2011/65/EU (RoHS2). Finished electrical and electronic equipment products will be CE marked as required by Directive 2011/65/EU. Components may not be CE marked. Additionally, the part numbers that TE has identified as EU ELV compliant have a maximum concentration of 0.1% by weight in homogenous materials for lead, hexavalent chromium, and mercury, and 0.01% for cadmium, or qualify for an exemption to these limits as defined in the Annexes of Directive 2000/53/EC (ELV). Regarding the REACH Regulation, the information TE provides on SVHC in articles for this part number is based on the latest European Chemicals Agency (ECHA) 'Guidance on requirements for substances in articles' posted at this URL: <https://echa.europa.eu/guidance-documents/guidance-on-reach>

### Compatible Parts

 <p>TE Part # 2317507-1 2X6POS,NANOMQS,HDR ASSY, 90DEG,SMD,COD A</p>	 <p>TE Part # 2317527-1 2X6POS,NANOMQS,HDR ASSY, 180DEG,SMD,COD A</p>	 <p>TE Part # 1-2395006-1 2X6POS,NANOMQS,HDR ASSY, 180DEG,SMD,COD A</p>	 <p>TE Part # CAT-M8793-T273 MQS, RECEPTACLE AND TAB</p>
---	---	--	---

### Customers Also Bought

 <p>TE Part #7-180984-5 250 FASTON BOOT FLAG REC. 1P BLACK</p>	 <p>TE Part #2333103-2 3POS,NANOMQS,REC HSG ASSY, UNSLD,COD B</p>	 <p>TE Part #2309873-2 6POS,NANOMQS,REC HSG ASSY, COD B</p>	 <p>TE Part #1544113-4 CLIP DRAP. 6,3 G1</p>
 <p>TE Part #2236269-1 24POS, MIXED,REC HSG, 20GENYMCP,ASSY,CODA</p>	 <p>TE Part #185010-2 HEADLIGHT HOUSING HOUSING</p>	 <p>TE Part #1801610-2 BULK HEAD, MCON, 10W, CLIPPED</p>	 <p>TE Part #1544351-1 CAP.CLIP DRAPEAU 6</p>



## Documents

### Product Drawings

[12POS,NANOMQS,REC HSG,COD A](#)

English

### CAD Files

[3D PDF](#)

3D

Customer View Model

[ENG\\_CVM\\_CVM\\_2312212-1\\_A.2d\\_dxf.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_2312212-1\\_A.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_2312212-1\\_A.3d\\_stp.zip](#)

English

By downloading the CAD file I accept and agree to the [Terms and Conditions](#) of use.

### Product Specifications

[Application Specification](#)

English

[Application Specification](#)

English