

87124-1 ✓ ACTIVE

AMP

TE Internal #: 87124-1

Connector Contact, Socket, Wire-to-Board, 26 – 22 AWG Wire Size,
254.1 – 642.4 CMA Wire Size, .12 – .4 mm² Wire Size, Gold, Strip,
Wire & Cable, 3 A

[View on TE.com >](#)



Connectors > PCB Connectors > Wire-to-Board Connectors > Wire-to-Board Connector Contacts



Contact Type: **Socket**

Connector System: **Wire-to-Board**

Wire Size: **.12 – .4 mm²**

Features

Product Type Features

| | |
|-----------------------------------|---------------|
| Connector System | Wire-to-Board |
| Connector & Contact Terminates To | Wire & Cable |

Electrical Characteristics

| | |
|---------------------------------------|---------|
| Termination Resistance | 12 mΩ |
| Insulation Resistance | 5000 MΩ |
| Dielectric Withstanding Voltage (Max) | 750 V |
| Operating Voltage | 250 VAC |

Contact Features

| | |
|--|-----------------|
| Mating Square Post Dimension | .64 mm[.025 in] |
| | 30 μin |
| Wire Contact Termination Area Plating Material | Gold Flash |
| Contact Shape & Form | Square |
| Contact Underplating Material | Nickel |
| PCB Contact Termination Area Plating Material | Gold Flash |
| Contact Base Material | Phosphor Bronze |



| | |
|--------------|--------|
| Contact Type | Socket |
|--------------|--------|

| | |
|--------------------------------------|------|
| Contact Mating Area Plating Material | Gold |
|--------------------------------------|------|

| | |
|------------------------------|-----|
| Contact Current Rating (Max) | 3 A |
|------------------------------|-----|

Termination Features

| | |
|------------------------------------|-------|
| Termination Method to Wire & Cable | Crimp |
|------------------------------------|-------|

Mechanical Attachment

| | |
|-------------------------|------|
| Wire Insulation Support | With |
|-------------------------|------|

Dimensions

| | |
|--------------------------------------|--------------------------------|
| Compatible Insulation Diameter Range | .97 – 1.57 mm [.038 – .062 in] |
|--------------------------------------|--------------------------------|

| | |
|-----------|--------------------------|
| Wire Size | .12 – .4 mm ² |
|-----------|--------------------------|

Usage Conditions

| | |
|-----------------------------|-----------------------------|
| Operating Temperature Range | -65 – 105 °C [-85 – 221 °F] |
|-----------------------------|-----------------------------|

Operation/Application

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

Industry Standards

| | |
|--------------------|-----------------------|
| Approved Standards | CSA LR7189, UL E28476 |
|--------------------|-----------------------|

Packaging Features

| | |
|--------------------|------|
| Packaging Quantity | 7000 |
|--------------------|------|

| | |
|------------------|-------|
| Packaging Method | Strip |
|------------------|-------|

Other

| | |
|----------------------------|---|
| Connector Contacts Comment | (*) For use with Model "K" machines. Call the Technical Assistance Center (1-800-522-6752) for any tooling questions., These contacts must be crimped per AMP Specification No. 114-25006 in order to function properly in a connector housing. |
|----------------------------|---|

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 2023 (235) |
|--|--|



Candidate List Declared Against: JUNE
2023 (235)
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 applicable 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

TE Part # 87175-2
01 LOCKING CLIP HSG SR .100CL

TE Part # 87133-1
04 LOCKING CLIP HSG DR .100CL

TE Part # 926657-6
LOCKING CLIP HSG


TE Part # 926657-3
3P LOCKG CLIP GEH

TE Part # 926657-4
LOCKING CLIP HSG



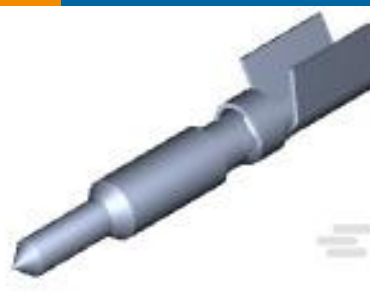


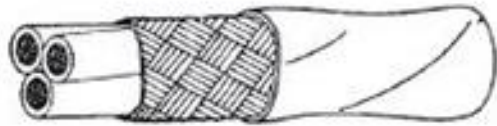

TE Part # 1-87175-0
04 LOCKING CLIP HSG SR .100CL

TE Part # 926209-3
LOCKING CLIP HSG.

TE Part # 1-87175-7
08 LOCKING CLIP HSG SR MRKD

| | | | |
|--|--|--|--|
|  <p>TE Part # 87133-9 08 LOCKING CLIP HSG DR .100CL</p> |  <p>TE Part # 926010-1 LOCKING CLIP HSG</p> |  <p>TE Part # 1-87175-2 05 LOCKING CLIP HSG SR .100CL</p> |  <p>TE Part # 87133-2 10 LOCKING CLIP HSG DR .100CL</p> |
|  <p>TE Part # 926209-5 LOCKING CLIP HSG.</p> |  <p>TE Part # 1-87133-1 12 LOCKING CLIP HSG DR .100CL</p> |  <p>TE Part # 1-87175-3 06 LOCKING CLIP HSG SR MRKD</p> |  <p>TE Part # 1-87175-4 06 LOCKING CLIP HSG SR .100CL</p> |
|  <p>TE Part # 1-87175-6 07 LOCKING CLIP HSG SR .100CL</p> |  <p>TE Part # 1-87175-8 08 LOCKING CLIP HSG SR .100CL</p> |  <p>TE Part # 2-87175-2 10 LOCKING CLIP HSG SR .100CL</p> |  <p>TE Part # 926209-4 2X4P LOCK-CLIP GEH</p> |

Customers Also Bought

| | | | |
|---|---|--|---|
|  <p>TE Part #440133-3 2.5MM,HSG,3POS</p> |  <p>TE Part #42236-1 110 FASTON REC 22-20 AWG TPBR</p> |  <p>TE Part #770009-1 UMNL II PIN PTPBR</p> |  <p>TE Part #350980-3 .045 POST CONTACT AUPLBR</p> |
|  <p>TE Part #985923J001 V2-6.0-0-SP-SM</p> |  <p>TE Part #316040-000 55A1131-24-0/2/9-9</p> |  <p>TE Part #EM7487-000 X2-6.0-0-SP-SM</p> | |

Documents



Product Drawings

LOCKING CLIP CONT ASSY .025 SQ

English

CAD Files

3D PDF

3D

Customer View Model

[ENG_CVM_CVM_87124-1_AC.2d_dxf.zip](#)

English

Customer View Model

[ENG_CVM_CVM_87124-1_AC.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_CVM_87124-1_AC.3d_stp.zip](#)

English

Customer View Model

[ENG_CVM_87124-1_S.3d_igs.zip](#)

English

Customer View Model

[ENG_CVM_87124-1_S.3d_stp.zip](#)

English

Customer View Model

[ENG_CVM_87124-1_S.2d_dxf.zip](#)

English

3D PDF

English

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

Datasheets & Catalog Pages

AMPMODU_INTERCONNECTION_SYSTEM_SECTION5_CONT

English

Product Specifications

Application Specification

English

Product Environmental Compliance

MD_87124-1_08172017324_dmtec

English

MD_87124-1_08172017324_dmtec

English

Instruction Sheets

Instruction Sheet (U.S.)

English



AMPMODU Locking Clip Contacts and Housings for 0.64mm Square Posts

English