

# 961216-6300-AR-TP Datasheet



<https://www.DiGi-Electronics.com>

|                              |  |
|------------------------------|--|
| DiGi Electronics Part Number | 961216-6300-AR-TP-DG                                       |
| Manufacturer                 | 3M   |
| Manufacturer Product Number  | 961216-6300-AR-TP  |
| Description                  | CONN HEADER SMD 16POS 2.54MM                               |
| Detailed Description         | Connector Header Surface Mount 16 position 0.100" (2.54mm) |

This model 961216-6300-AR-TP is available at DiGi Electronics.

DiGi Electronics offers a global database of semiconductor and electronic component datasheets.

We welcome your inquiries regarding pricing, lead time, or other product-related questions.

 [Request a Quote](#)

 [Datasheet Search](#)



Tel: +00 852-30501935

RFQ Email: [Info@DiGi-Electronics.com](mailto:Info@DiGi-Electronics.com)

DiGi is a global authorized distributor of electronic components.

## Purchase and inquiry

Manufacturer Product Number:

961216-6300-AR-TP

Series:

961

Connector Type:

Header

Pitch - Mating:

0.100" (2.54mm)

Number of Rows:

2

Number of Positions Loaded:

All

Shrouding:

Unshrouded

Termination:

Solder

Contact Length - Mating:

0.210" (5.33mm)

Overall Contact Length:

-

Contact Shape:

Square

Contact Finish Thickness - Mating:

Flash

Contact Material:

Copper Alloy

Features:

-

Ingress Protection:

-

Insulation Color:

Black

Voltage Rating:

-

Contact Finish Thickness - Post:

39.4µin (1.00µm)

Base Product Number:

961216

Manufacturer:

3M

Product Status:

Obsolete

Contact Type:

Male Pin

Number of Positions:

16

Row Spacing - Mating:

0.100" (2.54mm)

Style:

Board to Board

Mounting Type:

Surface Mount

Fastening Type:

Push-Pull

Contact Length - Post:

-

Insulation Height:

0.098" (2.50mm)

Contact Finish - Mating:

Gold

Contact Finish - Post:

Tin

Insulation Material:

Thermoplastic

Operating Temperature:

-25°C ~ 105°C

Material Flammability Rating:

UL94 V-0

Current Rating (Amps):

2A

Mated Stacking Heights:

-

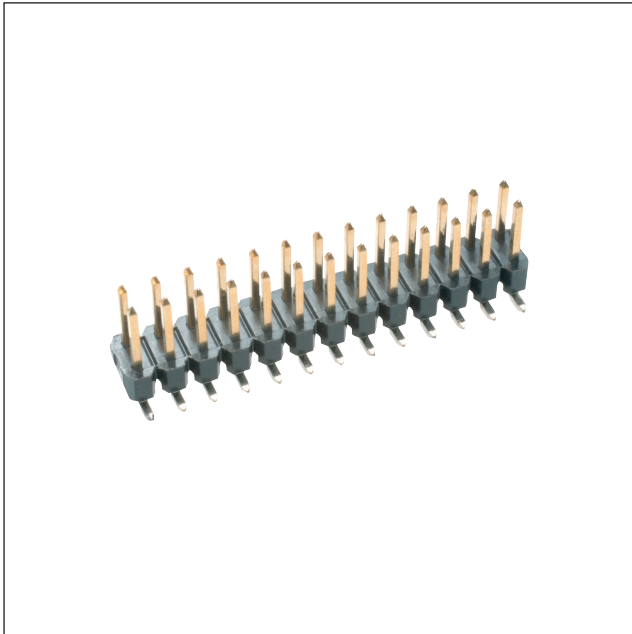
Applications:

-

# 3M™ Pin Strip Header

2.54 mm and 2.54 mm x 2.54 mm, Straight, Surface Mount

961 Series



- High temperature dielectric
- “No lead” reflow solder compatible
- End stackable feature
- Single- and dual row version
- RoHS Compliant. See the Regulatory Information Appendix (RIA) in the RoHS compliance section of [www.3Mconnectors.com](http://www.3Mconnectors.com) for compliance information (RIA E1 & C1 apply)

Date Modified: November 26, 2012

TS-2183-D  
Sheet 1 of 2

## Physical

**Insulation**

Material: High Temperature Thermoplastic  
 Flammability: UL 94V-0  
 Color: Black

**Contact**

Material: Copper Alloy

**Plating**

Underplating: 1.25–2.5  $\mu\text{m}$  [50–100  $\mu\text{m}$ ] Nickel  
 Wiping Area: Flash Gold  
 Solder Tail Area: 1–3  $\mu\text{m}$  [40–118  $\mu\text{m}$ ] Matte Tin

## Electrical

**Current Rating:** 2 A  
**Insulation Resistance:**  $> 5 \times 10^8$  Ohm at 100 V<sub>DC</sub>  
**Withstanding Voltage:** 1000 V<sub>DC</sub>

## Environmental

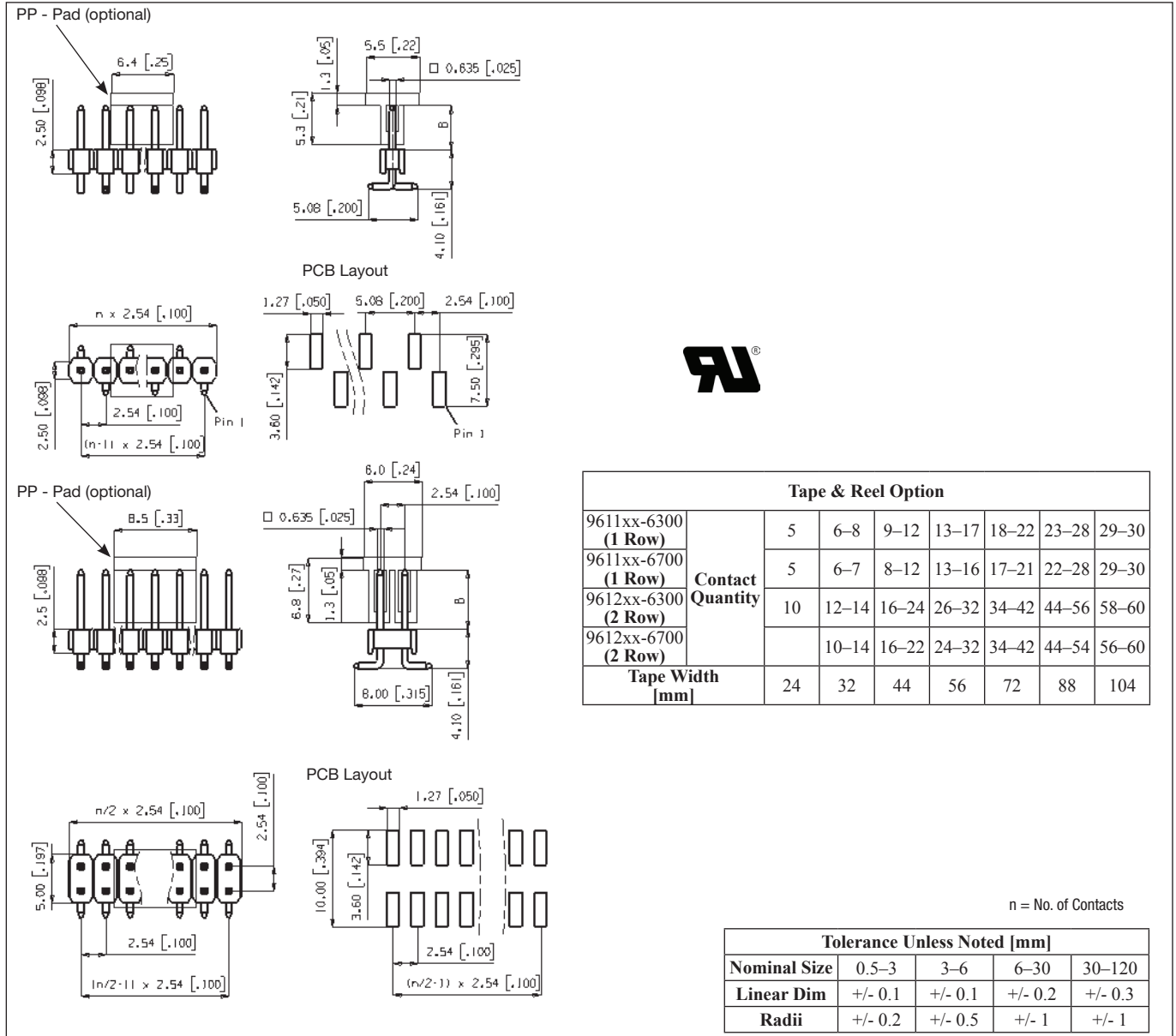
**Temperature Range:** -25 °C to +105 °C  
**Processing Temperature:** max. 260 °C (Profile per J-STD-020C)  
**Moisture Sensitivity Level:** 1 (per J-STD-020C)

UL File No.: E68080

# 3M™ Pin Strip Header

2.54 mm and 2.54 mm x 2.54 mm, Straight, Surface Mount

961 Series



## Ordering Information

**961XXX — 6X00 — AR — XX** (RIA E1 & C1 Apply)

Rows:  
1 = 1 Row  
2 = 2 Row

Contact Quantity:  
03-30 Pins / 1 Row  
04-60 Pins / 2 Row

Mating Pin Length:  
Dim 'B'  
3 = 5.3 mm [.21]  
7 = 6.6 mm [.26]

Packaging:  
TP = Tube without Pad  
PT = Tube with Pad  
PR = Tape & Reel with Pad  
Note: Pad options  
1 Row - 5 to 30 pos.  
2 Row - 10 to 60 pos.

TS-2183-D  
Sheet 2 of 2

**Important Notice**

All statements, technical information, and recommendations related to 3M's products are based on information believed to be reliable, but the accuracy or completeness is not guaranteed. Before using this product, you must evaluate it and determine if it is suitable for your intended application. You assume all risks and liability associated with such use. Any statements related to the product which are not contained in 3M's current publications, or any contrary statements contained on your purchase order shall have no force or effect unless expressly agreed upon, in writing, by an authorized officer of 3M.

**Warranty; Limited Remedy; Limited Liability.**

This product will be free from defects in material and manufacture for a period of ninety (90) days from the time of purchase. **3M MAKES NO OTHER WARRANTIES INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.** If this product is defective within the warranty period stated above, your exclusive remedy shall be, at 3M's option, to replace or repair the 3M product or refund the purchase price of the 3M product. **Except where prohibited by law, 3M will not be liable for any indirect, special, incidental or consequential loss or damage arising from this 3M product, regardless of the legal theory asserted.**



**3M Electronics Solutions Division**

6801 River Place Blvd.  
Austin, TX 78726-9000  
U.S.A.  
1-800-225-5373  
www.3Mconnectors.com

Please recycle. Printed in USA.  
© 3M 2012. All rights reserved.  
RIA-2217A-E

3M is a trademark of 3M Company.

## OUR CERTIFICATE

DiGi provide top-quality products and perfect service for customer worldwide through standardization, technological innovation and continuous improvement. DiGi through third-party certification, we stricly control the quality of products and services. Welcome your RFQ to

Email: [Info@DiGi-Electronics.com](mailto:Info@DiGi-Electronics.com)



Tel: +00 852-30501935

RFQ Email: [Info@DiGi-Electronics.com](mailto:Info@DiGi-Electronics.com)

DiGi is a global authorized distributor of electronic components.