



The 9286 series of Junction Box connectors provide a high spring force Beryllium Copper contact system that uses simple push button activation to insert and remove individual stripped wires in the connection process. There is a forward and aft shrouded (to prevent accidental activation) push button for each wire connection that can be operated individually or simultaneously with a simple plastic tool or ball point pen tip. This connector family has been designed to bring a single wire in and then have multiple output (bus structure) wires of the same power or signal. Four, Six or Eight wires can be electrically connected together in a single connector body which will support any combination of wire gauges from 18AWG up to 26 AWG. Wires can be removed or replaced up to 5 times so there is no need to replace the connector in a new installation.

- Industrial/Machine Control; motors, solenoids, PLC's, pumps, valves, sensors, fans...
- Commercial/Building; fixtures, fire, security, surveillance, blinds, sensors, controls...
- Commercial/Industrial LED; retail, office, manufacturing, signage, displays...
- Application notes; refer to 201-01-135

- High spring force top contact provides a lance type retention to capture and retain the wire
- Shrouded dual push button activation for easy wire insertion/removal
- Accepts 18-26AWG Solid and Stranded wires; any combination
- Expanded size offering to maximize application potential; 4, 6 or 8 positions
- Optional mounting tape to secure in panel mounting applications
- Molded in position numbers and schematic for easy identification

- Current Rating: 10 Amps total
- Voltage Rating: 300v AC

- Operating Temperature: -40°C to +125°C

- Insulator Material: Glass-Filled Nylon 46; UL94V0
- Contact Material: Beryllium Copper / Phosphor Bronze
- Plating: Tin over Nickel
- Replacibility: 5 Cycles

Diagram illustrating the structure of a 32-bit address:

- Prefix:** 00
- Series:** 9286
- Number of Ways:** 00X

| Code | No of Ways | Details |
|------|------------|---------|
| 004  | 4          | Page 2  |
| 006  | 6          | Page 3  |
| 008  | 8          | Page 4  |

| Code | Wire Gauge   | Max Conductor   | Max Insulation  |
|------|--------------|-----------------|-----------------|
| 121  | 18 to 26 AWG | 1.05mm Diameter | 2.10mm Diameter |

**9**  
T  
**Color Options**  
9 = U.I. White

**06**  
T  
**Plating Option**  
06 = Tin all over

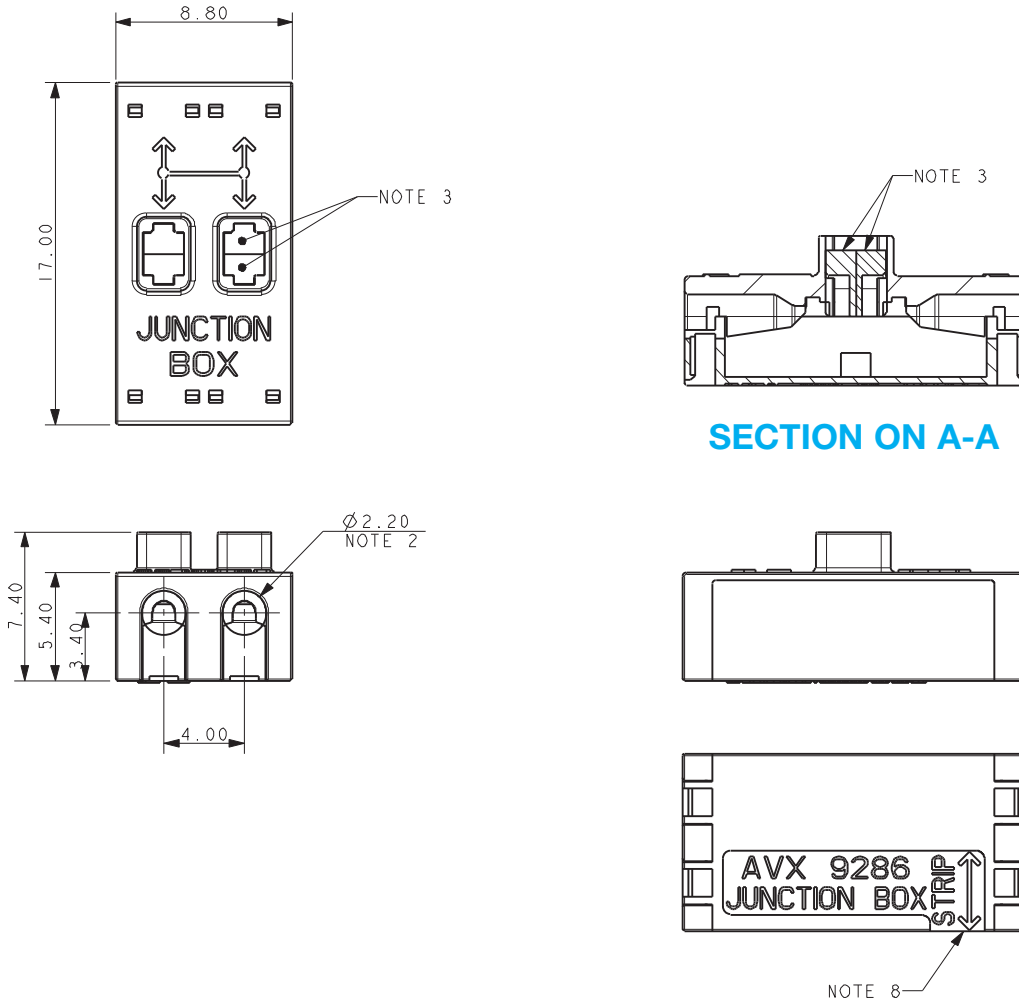
**AVX**

# Poke Home – Junction Box



Series 9286

## 18-26 AWG 4 WAY POKE HOME – JUNCTION BOX



### PACKING DETAILS

Pack 400 pieces in a clear plastic bag.

#### NOTES:

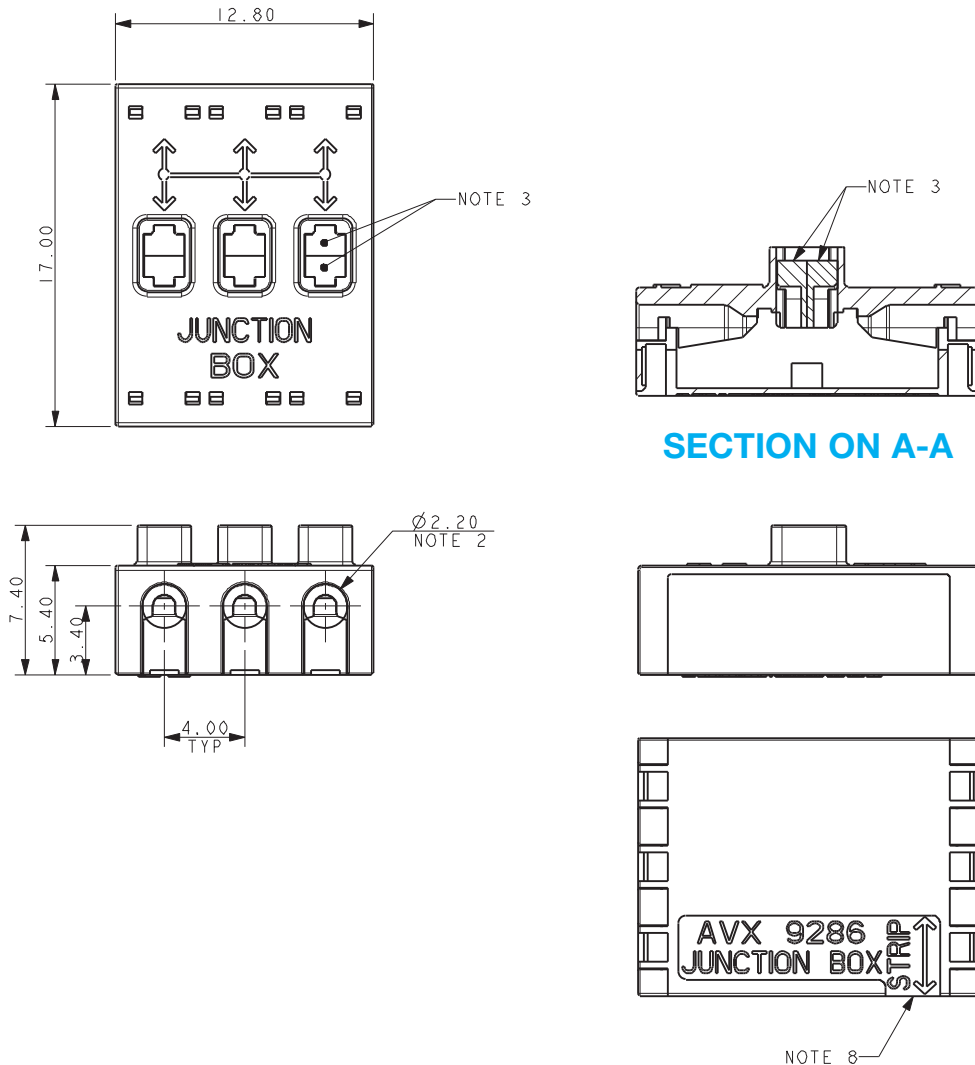
1. 4 WAY WIRE TO WIRE "POKE HOME" CONNECTOR, BUTTON OPERATED. ALL TERMINALS INTERCONNECTED.
2. WIRE SIZES 18-26 AWG, MAXIMUM INSULATION DIAMETER 2.10MM.
3. SPLIT BUTTON ALLOWS THE WIRES TO BE INSERTED/WITHDRAWN INDEPENDENTLY.
4. INSULATION MATERIAL: NYLON 46, GLASS FILLED, UL94 V-0. COLOR SEE PAGE 1.
5. CONTACT MATERIAL: TIN PLATED COPPER ALLOY.
6. FOR FULL SPECIFICATION REFER TO ELCO SPECIFICATION 201-01-132. FOR APPLICATION NOTES REFER TO ELCO SPECIFICATION 201-01-135.
7. GENERAL TOLERANCE  $\pm 0.20$ MM.
8. WIRE STRIP LENGTH GUIDE, SEE PAGE 5.
9. ADHESIVE STRIP FOR PANEL MOUNTING REFER TO PAGE 6.
10. FOR UL PRODUCT CODES UL REFERENCE E90723 (US AND CANADA).

# Poke Home – Junction Box



Series 9286

## 18-26 AWG 6 WAY POKE HOME – JUNCTION BOX



### PACKING DETAILS

Pack 400 pieces in a clear plastic bag.

#### NOTES:

1. 6 WAY WIRE TO WIRE "POKE HOME" CONNECTOR, BUTTON OPERATED. ALL TERMINALS INTERCONNECTED.
2. WIRE SIZES 18-26 AWG, MAXIMUM INSULATION DIAMETER 2.10MM.
3. SPLIT BUTTON ALLOWS THE WIRES TO BE INSERTED/WITHDRAWN INDEPENDENTLY.
4. INSULATION MATERIAL: NYLON 46, GLASS FILLED, UL94 V-0. COLOR SEE PAGE 1.
5. CONTACT MATERIAL: TIN PLATED COPPER ALLOY.
6. FOR FULL SPECIFICATION REFER TO ELCO SPECIFICATION 201-01-132. FOR APPLICATION NOTES REFER TO ELCO SPECIFICATION 201-01-135.
7. GENERAL TOLERANCE  $\pm 0.20$ MM.
8. WIRE STRIP LENGTH GUIDE, SEE PAGE 5.
9. ADHESIVE STRIP FOR PANEL MOUNTING REFER TO PAGE 6.
10. FOR UL PRODUCT CODES UL REFERENCE E90723 (US AND CANADA).

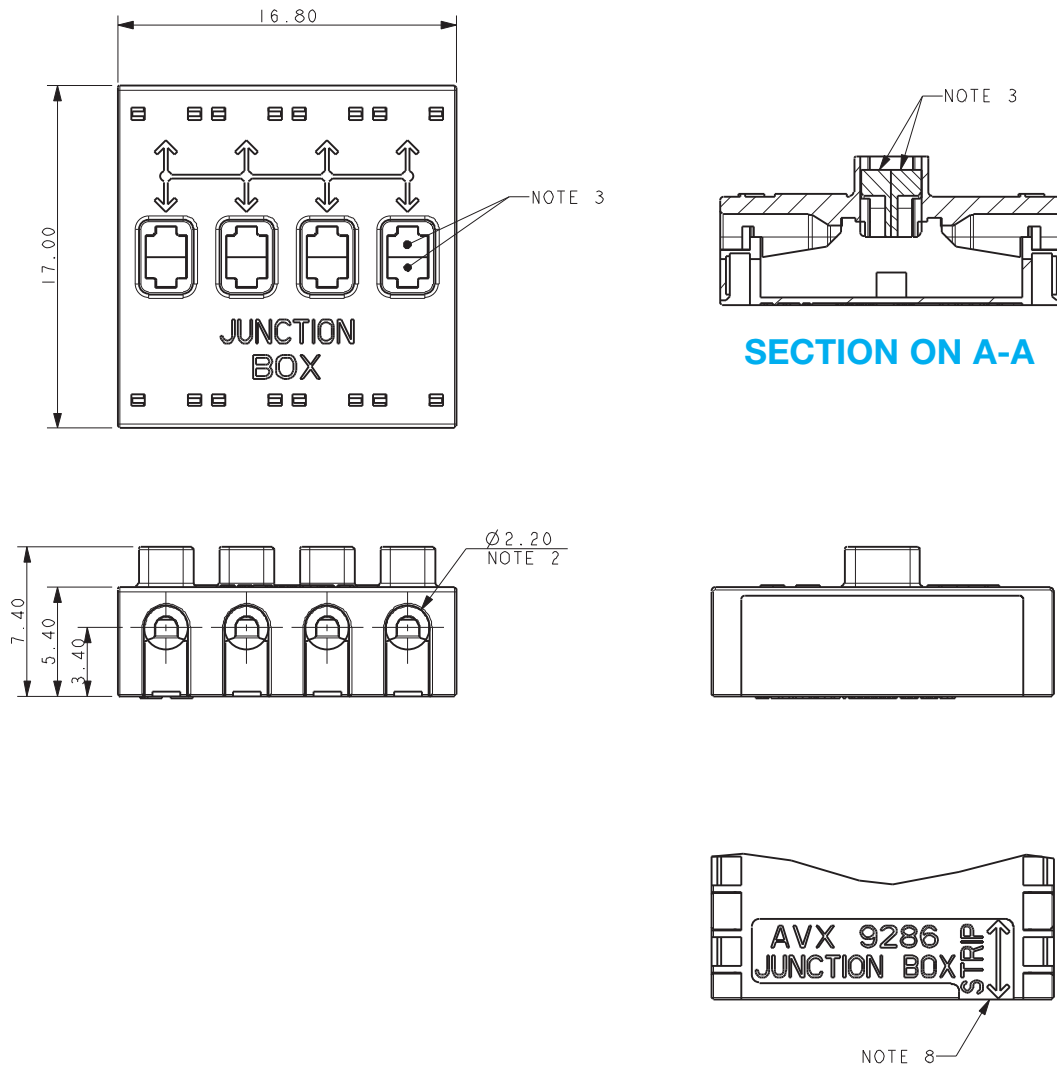


# Poke Home – Junction Box



Series 9286

## 18-26 AWG 8 WAY POKE HOME – JUNCTION BOX



### PACKING DETAILS

Pack 400 pieces in a clear plastic bag.

#### NOTES:

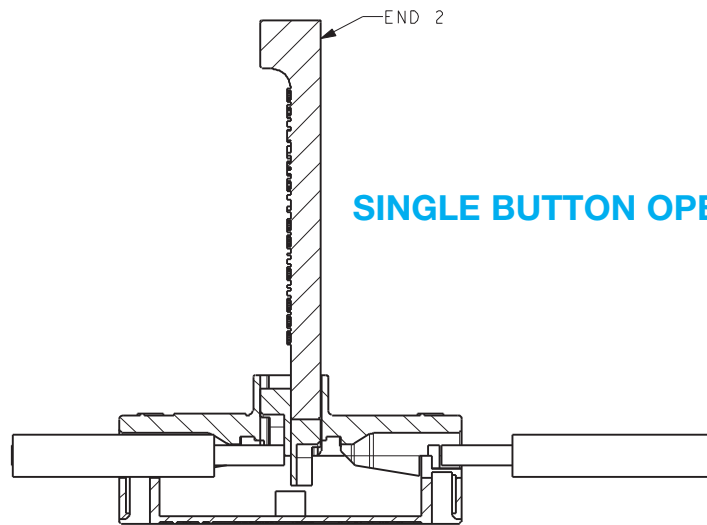
1. 8 WAY WIRE TO WIRE "POKE HOME" CONNECTOR, BUTTON OPERATED. ALL TERMINALS INTERCONNECTED.
2. WIRE SIZES 18-26 AWG, MAXIMUM INSULATION DIAMETER 2.10MM.
3. SPLIT BUTTON ALLOWS THE WIRES TO BE INSERTED/WITHDRAWN INDEPENDENTLY.
4. INSULATION MATERIAL: NYLON 46, GLASS FILLED, UL94 V-0. COLOR SEE PAGE 1.
5. CONTACT MATERIAL: TIN PLATED COPPER ALLOY.
6. FOR FULL SPECIFICATION REFER TO ELCO SPECIFICATION 201-01-132. FOR APPLICATION NOTES REFER TO ELCO SPECIFICATION 201-01-135.
7. GENERAL TOLERANCE  $\pm 0.20$ MM.
8. WIRE STRIP LENGTH GUIDE, SEE PAGE 5.
9. ADHESIVE STRIP FOR PANEL MOUNTING REFER TO PAGE 6.
10. FOR UL PRODUCT CODES UL REFERENCE E90723 (US AND CANADA).

# Poke Home – Thru-Wire



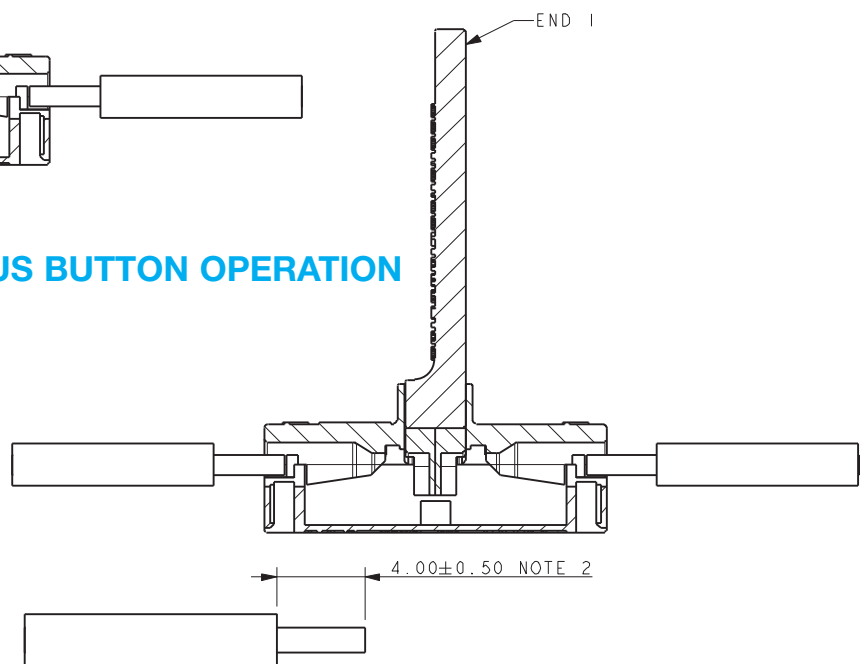
Series 9286

## POKE HOME BUTTON ACTIVATION TOOL



### SINGLE BUTTON OPERATION

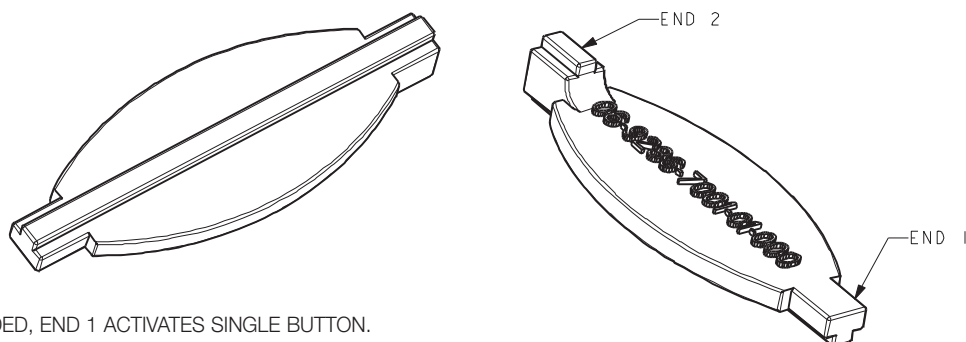
### SIMULTANEOUS BUTTON OPERATION



### TRIMMED WIRE

## 9286 BUTTON ACTIVATION TOOL

06-9286-7001-01-000



#### NOTES:

1. TOOL IS DOUBLE ENDED, END 1 ACTIVATES SINGLE BUTTON.  
END 2 FOR SIMULTANEOUS BUTTON ACTIVATION.
2. WIRE WHEN TRIMMED TO BE STRAIGHT WITH NO BURRS.
3. FOR FULL ASSEMBLY DETAILS REFER TO APPLICATION NOTES 201-01-135.
4. SUPPLIED IN PACKS OF 100 PIECES.



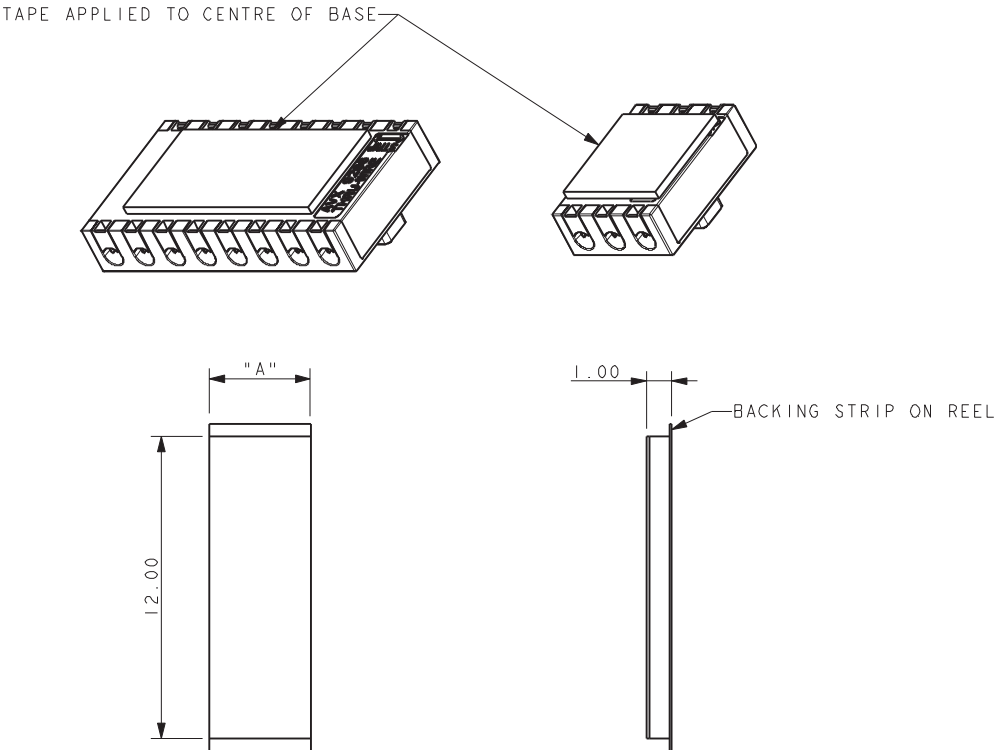
# Poke Home – Thru-Wire



## Series 9286

### 08-9286-400X-00-000 ADHESIVE MOUNTING TAPE

ACCESSORY NOT SUPPLIED WITH CONNECTORS



| Part Number         | Dimension "A" | Matching Connectors              |                                     |
|---------------------|---------------|----------------------------------|-------------------------------------|
|                     |               | 00-9286-00X-021-X06<br>Thru Wire | 00-9286-00X-121-X06<br>Junction Box |
| 80-9286-4001-00-000 | 4.00          | 1 Way                            | N/A                                 |
| 80-9286-4002-00-000 | 8.00          | 2 Way                            | 4 Way                               |
| 80-9286-4003-00-000 | 12.00         | 3 and 4 Way                      | 6 and 8 Way                         |
| 80-9286-4006-00-000 | 24.00         | 6 and 8 Way                      | N/A                                 |

- NOTES:
1. DOUBLE SIDED FOAM FILLED ADHESIVE TAPE.
  2. WIDTH FOR 1 WAY, 2 WAY, 3 WAY AND 6 WAY CONNECTORS, FOR LENGTH SEE TABLE.
  3. USED FOR ADHERE A 9286 CONNECTOR TO A FLAT SURFACE.
  4. SOME SURFACES MAY REQUIRE THE USE OF A CLEANING SOLVENT TO ACHIEVE BEST RESULTS.
  5. SUPPLIED CUT TO SIZE ON A REEL ON AN OVERSIZE BACKING STRIP PARTS 400 PER REEL.

## Данный компонент на территории Российской Федерации

**Вы можете приобрести в компании MosChip.**

Для оперативного оформления запроса Вам необходимо перейти по данной ссылке:

<http://moschip.ru/get-element>

Вы можете разместить у нас заказ для любого Вашего проекта, будь то серийное производство или разработка единичного прибора.

В нашем ассортименте представлены ведущие мировые производители активных и пассивных электронных компонентов.

Нашей специализацией является поставка электронной компонентной базы двойного назначения, продукции таких производителей как XILINX, Intel (ex.ALTERA), Vicor, Microchip, Texas Instruments, Analog Devices, Mini-Circuits, Amphenol, Glenair.

Сотрудничество с глобальными дистрибьюторами электронных компонентов, предоставляет возможность заказывать и получать с международных складов практически любой перечень компонентов в оптимальные для Вас сроки.

На всех этапах разработки и производства наши партнеры могут получить квалифицированную поддержку опытных инженеров.

Система менеджмента качества компании отвечает требованиям в соответствии с ГОСТ Р ИСО 9001, ГОСТ РВ 0015-002 и ЭС РД 009

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