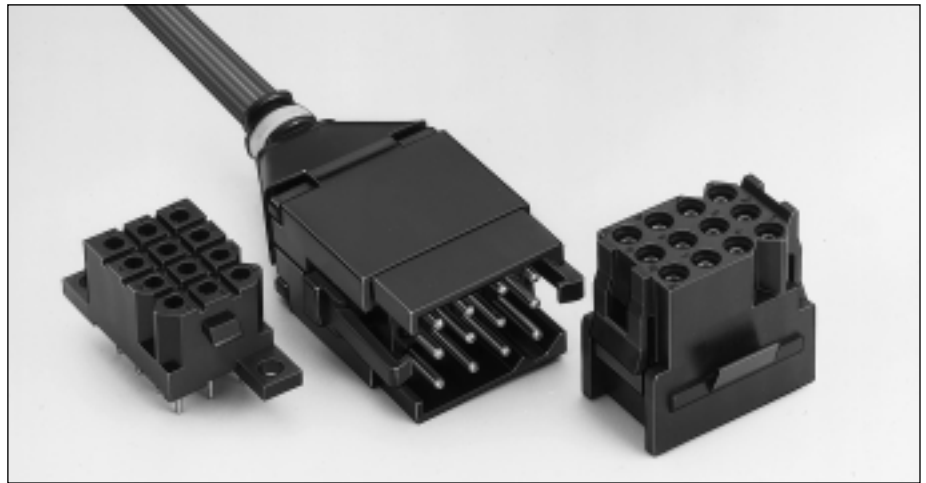


These are low installed cost connectors rated for up to 13 A and 250 V ac. They are typically used for circuit board and internal wiring applications. Snap Together connectors facilitate easy assembly and removal of equipment such as motors, fans, transformers, etc.

## Applications:

- Circuit board connections.
- Internal connections.



For more information: [www.ittcannon.com/cat001](http://www.ittcannon.com/cat001)

## Product Features

- Easy cost effective installation.
- Integrally molded latches and connector polarization.
- Recognized under the component program of UL Inc. and CSA.
- Inter-connector discrimination facilities available.
- Accepts formed (stamped) or machined contacts, see page 45.

## Performance Specifications

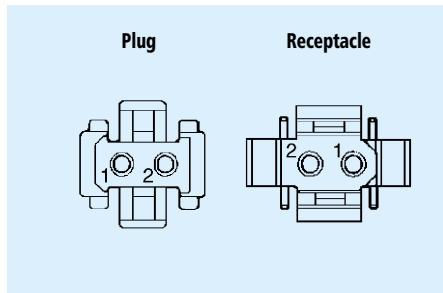
|                          |                                                                                                                                    |
|--------------------------|------------------------------------------------------------------------------------------------------------------------------------|
| Operating Voltage        | 250 V ac rms                                                                                                                       |
| Contact Current Rating   | Up to 13 A (For derating curve, see page 44)                                                                                       |
| Temperature Range        | –55°C to 105°C (–67°F to 221°F) for Free Plug and Panel Receptacles<br>–40°C to 105°C (–40°F to 221°F) for PCB Mounted Receptacles |
| Insulation Resistance    | 5000 MΩ at 500 V dc                                                                                                                |
| Connector Latching Force | 150 N min. with latches engaged                                                                                                    |
| Test Voltage             | 2000 V ac for 60 secs                                                                                                              |
| Panel Retention Force    | 500 N min.                                                                                                                         |

## Materials and Finishes

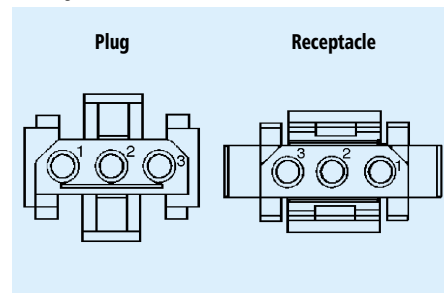
| Description | Material              | Finish |
|-------------|-----------------------|--------|
| Insulator   | Black Nylon, UL 94V-0 | None   |

查询"192991-0214"供应商  
Contact Cavity Arrangements — Mating Face View

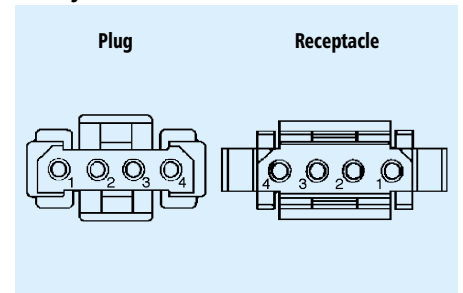
**2 Way**



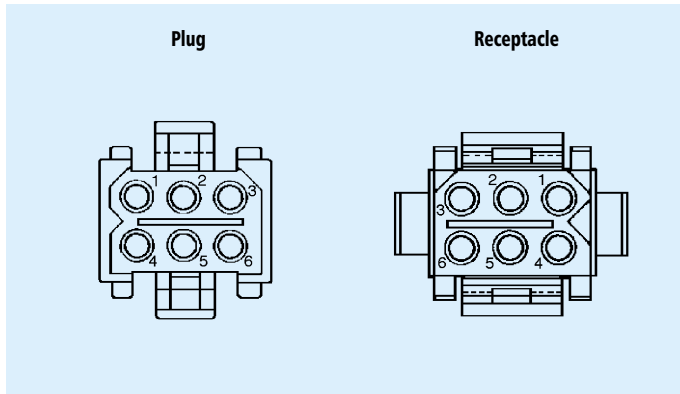
**3 Way**



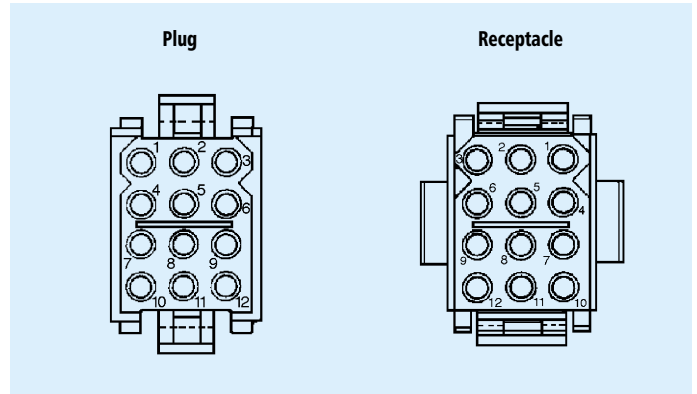
**4 Way**



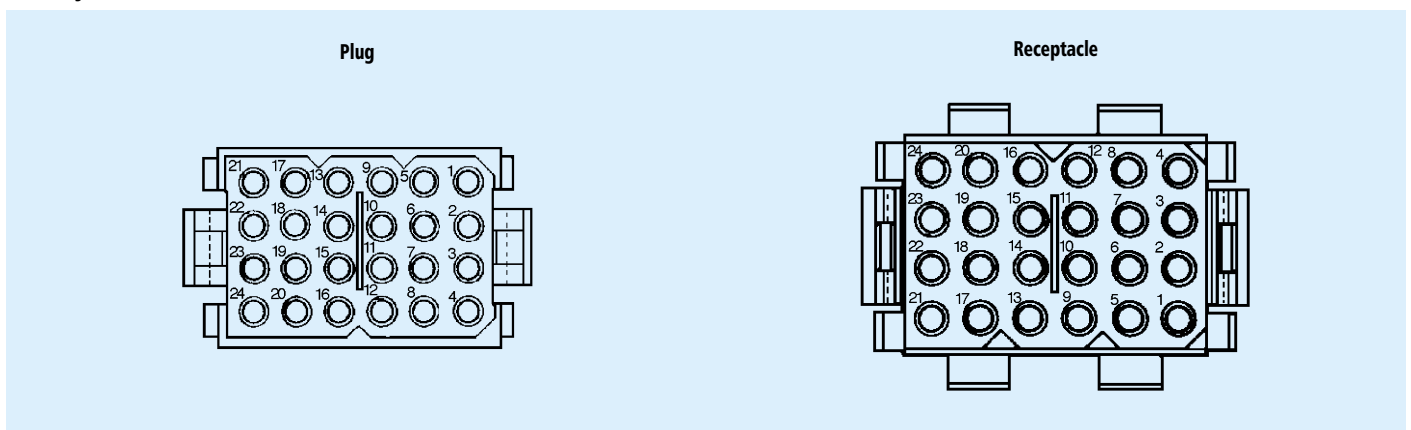
**6 Way**



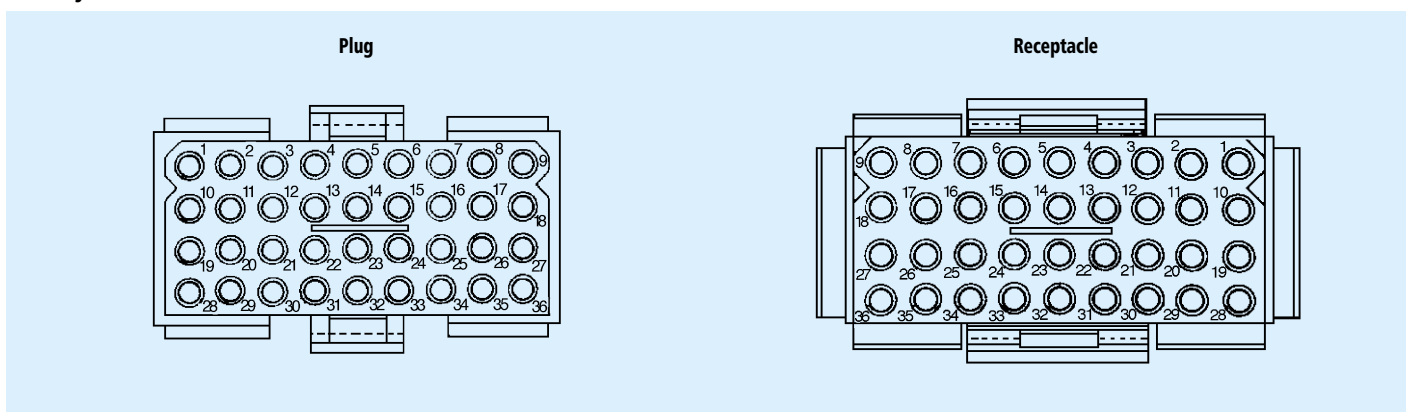
**12 Way**



**24 Way**



**36 Way**



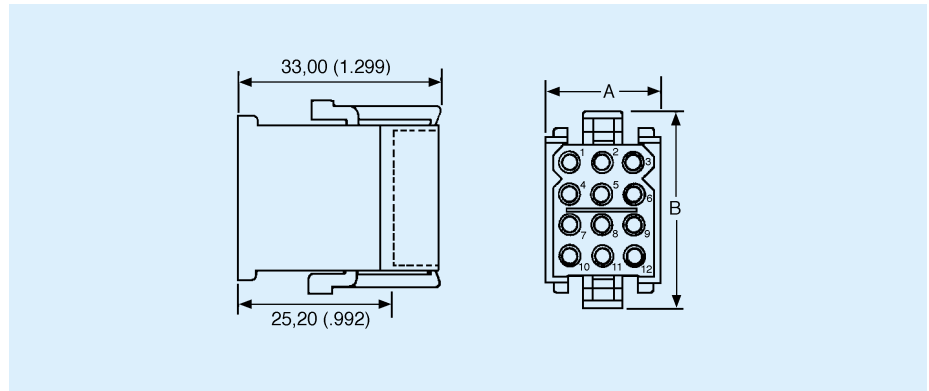
Snap Together  
Rectangular

Free Plug [查询"192991-0214"供应商](#)



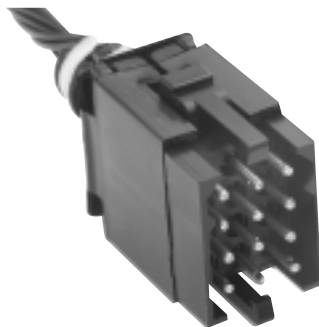
Snap Together  
Rectangular

- Accepts Pin or Socket contacts.
- Contacts to be ordered separately, see page 45.
- Mates with panel mounted receptacles, see page 7.
- Mates with PCB mounted receptacles, see pages 8-9.

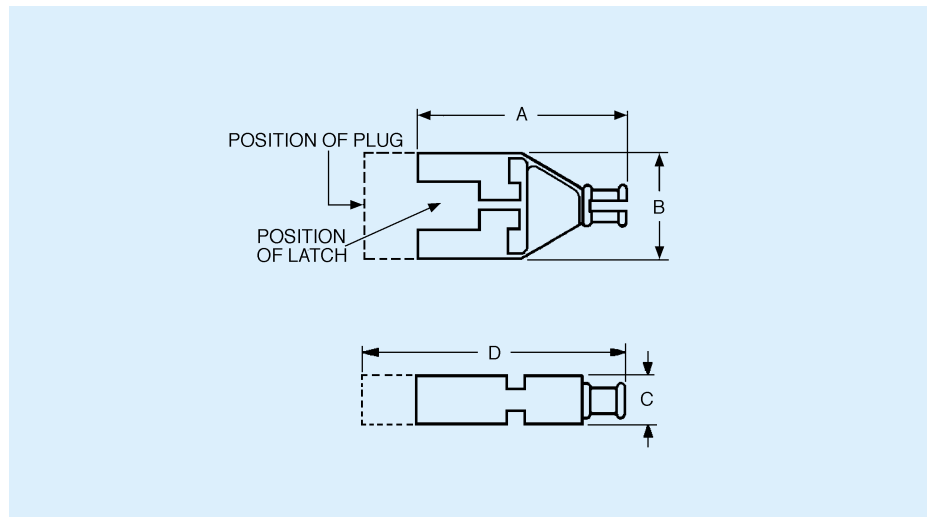


| Number of Contacts | Part Number (Pack of 100) | Nomenclature | Dimensions (max.) |               |
|--------------------|---------------------------|--------------|-------------------|---------------|
|                    |                           |              | A                 | B             |
| 2                  | 192990-0350               | TST 02 PA 00 | 15,50 (.610)      | 17,00 (.669)  |
| 3                  | 192923-5920               | TST 03 PA 00 | 19,00 (.748)      | 17,00 (.669)  |
| 4                  | 192990-0370               | TST 04 PA 00 | 24,00 (.944)      | 17,00 (.669)  |
| 6                  | 192923-5930               | TST 06 PA 00 | 19,00 (.748)      | 22,00 (.866)  |
| 12                 | 192923-5940               | TST 12 PA 00 | 19,00 (.748)      | 32,00 (1.259) |
| 24                 | 192923-5950               | TST 24 PA 00 | 24,00 (.944)      | 42,00 (1.653) |
| 36                 | 192923-5960               | TST 36 PA 00 | 49,50 (1.948)     | 32,00 (1.259) |

## Plug Strain Relief Hood



- Provides strain relief and wire protection.
- Secure with a tie-wrap (customer supplies tie-wrap).
- Connector Discriminating (Keying) Pins available, see page 50.

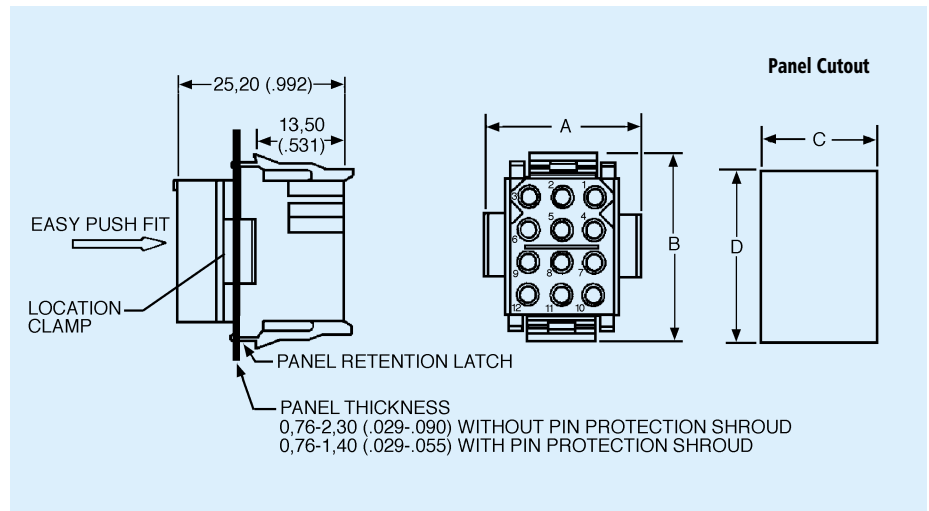


| Number of Contacts | Part Number (Pack of 100) | Nomenclature | Wire Bundle Dia.       | Dimensions (max.) |               |               |               |
|--------------------|---------------------------|--------------|------------------------|-------------------|---------------|---------------|---------------|
|                    |                           |              |                        | A                 | B             | C             | D             |
| 2                  | 192990-0460               | TST 02 AH 00 | 2,30-8,30 (.090-.326)  | 46,20 (1.818)     | 16,10 (.633)  | 11,00 (.433)  | 56,50 (2.224) |
| 3                  | 192990-0470               | TST 03 AH 00 | 2,30-8,30 (.090-.326)  | 46,20 (1.818)     | 18,60 (.732)  | 11,00 (.433)  | 56,50 (2.224) |
| 4                  | 192990-0480               | TST 04 AH 00 | 3,00-10,00 (.118-.393) | 46,20 (1.818)     | 23,70 (.933)  | 11,00 (.433)  | 56,50 (2.224) |
| 6                  | 192923-5970               | TST 06 AH 00 | 2,30-8,30 (.090-.326)  | 46,20 (1.818)     | 19,00 (.748)  | 16,40 (.645)  | 56,50 (2.224) |
| 12                 | 192923-5980               | TST 12 AH 00 | 3,00-10,00 (.118-.393) | 45,50 (1.791)     | 19,00 (.748)  | 26,40 (1.039) | 55,80 (2.196) |
| 24                 | 192923-5990               | TST 24 AH 00 | 4,60-12,70 (.181-.500) | 51,00 (2.007)     | 24,10 (.948)  | 36,80 (1.448) | 60,30 (2.374) |
| 36                 | 192923-6000               | TST 36 AH 00 | 7,00-15,90 (.275-.625) | 57,50 (2.263)     | 49,50 (1.948) | 26,40 (1.039) | 68,00 (2.677) |

Receptacle - Panel Mounted

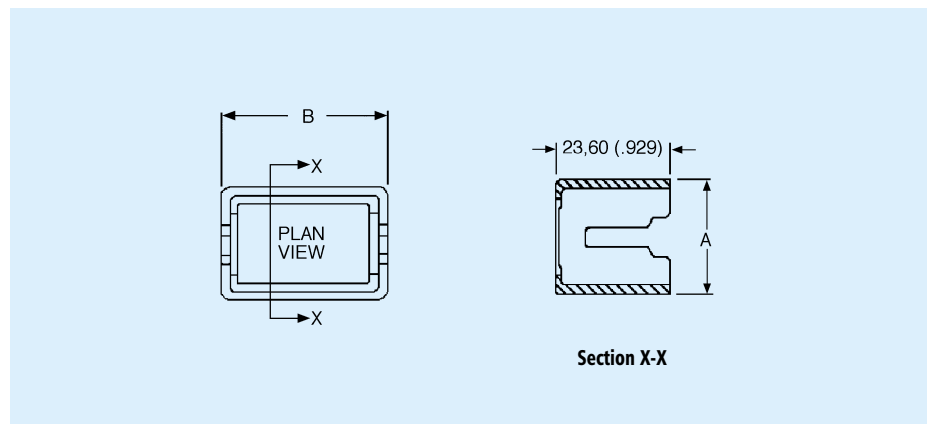


- Accepts Pin or Socket contacts.
- Contacts to be ordered separately, see page 45.
- Mates with Free Plugs, see page 6.



| Number of Contacts | Part Number (Pack of 100) | Nomenclature | Dimensions    |               |                   |                   |
|--------------------|---------------------------|--------------|---------------|---------------|-------------------|-------------------|
|                    |                           |              | A             | B             | C<br>±0,13 (.005) | D<br>±0,13 (.005) |
| 2                  | 192990-0360               | TST 02 RA00  | 19,00 (.748)  | 14,00 (.551)  | 11,50 (.452)      | 11,60 (.456)      |
| 3                  | 192923-6010               | TST 03 RA00  | 24,00 (.944)  | 14,00 (.551)  | 16,50 (.649)      | 11,60 (.456)      |
| 4                  | 192990-0380               | TST 04 RA00  | 29,00 (1.141) | 13,50 (.531)  | 21,70 (.854)      | 11,60 (.456)      |
| 6                  | 192923-6020               | TST 06 RA00  | 24,00 (.944)  | 19,00 (.748)  | 16,50 (.649)      | 16,70 (.657)      |
| 12                 | 192923-6030               | TST 12 RA00  | 24,00 (.944)  | 29,00 (1.141) | 16,70 (.657)      | 26,70 (1.051)     |
| 24                 | 192923-6040               | TST 24 RA00  | 29,00 (1.141) | 39,00 (1.535) | 21,80 (.858)      | 36,90 (1.452)     |
| 36                 | 192923-6050               | TST 36 RA00  | 54,20 (2.133) | 29,00 (1.141) | 46,70 (1.838)     | 26,40 (1.039)     |

## Protection Shrouds for Receptacles with Pin Contacts



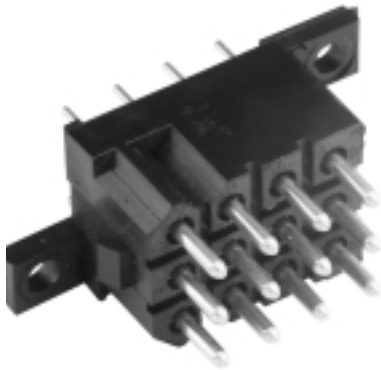
- Provides protection for panel mounted receptacles with pin contacts.
- Shrouds can be fitted onto panels up to 1,40 (.055) thick.
- Connector Discriminating (Keying) Pins available, see page 50.

| Number of Contacts | Part Number (Pack of 100) | Nomenclature | Dimensions    |               |
|--------------------|---------------------------|--------------|---------------|---------------|
|                    |                           |              | A             | B             |
| 3                  | 192990-0400               | TST 03 AS00  | 23,50 (.925)  | 19,05 (.748)  |
| 4                  | 192991-0668               | TST 04 AS00  | 28,60 (1.126) | 19,05 (.748)  |
| 6                  | 192990-0420               | TST 06 AS00  | 23,50 (.925)  | 24,13 (.948)  |
| 12                 | 192990-0430               | TST 12 AS00  | 23,60 (.929)  | 34,20 (1.346) |
| 24                 | 192990-0440               | TST 24 AS00  | 29,70 (1.169) | 44,40 (1.748) |
| 36                 | 192990-0450               | TST 36 AS00  | 54,40 (2.141) | 34,00 (1.338) |

查询"192991-0214"供应商

PCB Mounted Connectors — Pin Contacts

Snap Together  
Rectangular



- Mates with Free Plug, see page 6.
- Integrally molded flanges.
- Contacts are on a 5,08 (.200) grid, symmetrical on center lines.
- Recommended PCB hole  $\varnothing 1,15$  (.045).
- Connector Discriminating Caps available, see page 50.

Figure 1

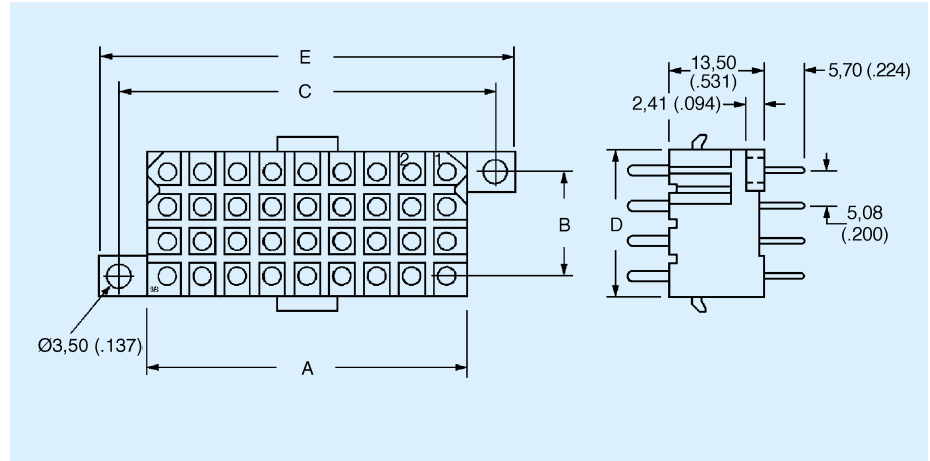
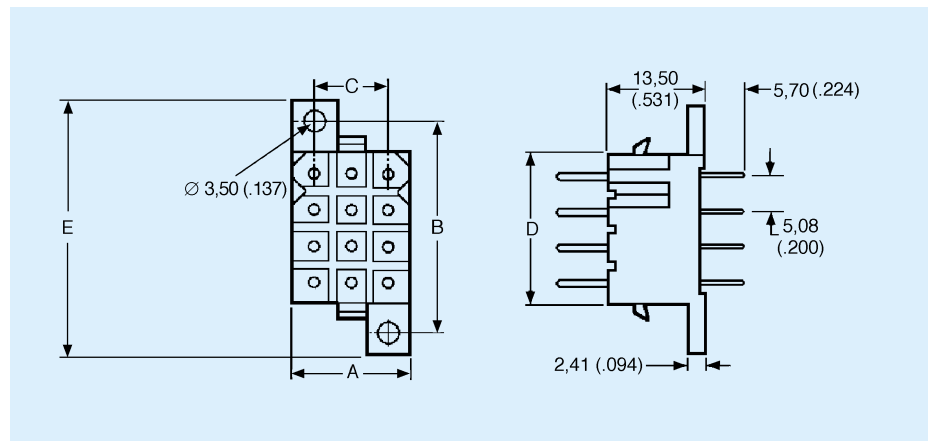


Figure 2



| Number of<br>Contacts | Plating | Formed (Stamped)             |               | Machined                     |               |        | Dimensions    |                   |                   |               |               |
|-----------------------|---------|------------------------------|---------------|------------------------------|---------------|--------|---------------|-------------------|-------------------|---------------|---------------|
|                       |         | Part Number<br>(Pack of 100) | Nomenclature  | Part Number<br>(Pack of 100) | Nomenclature  | Figure | A             | B<br>±0,08 (.003) | C<br>±0,08 (.003) | D             | E             |
| 2                     | Gold*   | 192900-0411                  | TST 02 RB 05Y | 192991-0270                  | TST 02 RB 01Z | 1      | 11,13 (.438)  | N/A               | 19,13 (.753)      | 6,00 (.236)   | 25,00 (.984)  |
| 2                     | Tin     | 192990-3230                  | TST 02 RB 05T | 192991-0271                  | TST 02 RB 01T | 1      | 11,13 (.438)  | N/A               | 19,13 (.753)      | 6,00 (.236)   | 25,00 (.984)  |
| 3                     | Gold*   | 192900-0412                  | TST 03 RB 05Y | 192991-0278                  | TST 03 RB 01Z | 2      | 16,21 (.638)  | 14,05 (.553)      | 10,24 (.403)      | 6,00 (.236)   | 20,10 (.791)  |
| 3                     | Tin     | 192990-3240                  | TST 03 RB 05T | 192991-0279                  | TST 03 RB 01T | 2      | 16,21 (.638)  | 14,05 (.553)      | 10,24 (.403)      | 6,00 (.236)   | 20,10 (.791)  |
| 4                     | Gold*   | 192900-0413                  | TST 04 RB 05Y | 192991-0286                  | TST 04 RB 01Z | 2      | 21,30 (.838)  | 14,05 (.553)      | 15,32 (.603)      | 6,00 (.236)   | 20,10 (.791)  |
| 4                     | Tin     | 192990-3250                  | TST 04 RB 05T | 192991-0287                  | TST 04 RB 01T | 2      | 21,30 (.838)  | 14,05 (.553)      | 15,32 (.603)      | 6,00 (.236)   | 20,10 (.791)  |
| 6                     | Gold*   | 192900-0414                  | TST 06 RB 05Y | 192991-0294                  | TST 06 RB 01Z | 2      | 16,20 (.637)  | 19,12 (.752)      | 10,23 (.402)      | 11,00 (.433)  | 26,00 (1.023) |
| 6                     | Tin     | 192990-3260                  | TST 06 RB 05T | 192991-0295                  | TST 06 RB 01T | 2      | 16,20 (.637)  | 19,12 (.752)      | 10,23 (.402)      | 11,00 (.433)  | 26,00 (1.023) |
| 12                    | Gold*   | 192900-0415                  | TST 12 RB 05Y | 192991-0302                  | TST 12 RB 01Z | 2      | 16,20 (.637)  | 29,30 (1.153)     | 10,26 (.404)      | 21,20 (.834)  | 35,20 (1.385) |
| 12                    | Tin     | 192990-3270                  | TST 12 RB 05T | 192991-0303                  | TST 12 RB 01T | 2      | 16,20 (.637)  | 29,30 (1.153)     | 10,26 (.404)      | 21,20 (.834)  | 35,20 (1.385) |
| 24                    | Gold*   | 192900-0416                  | TST 24 RB 05Y | 192991-0310                  | TST 24 RB 01Z | 2      | 21,30 (.838)  | 39,37 (1.550)     | 15,32 (.603)      | 31,30 (1.232) | 45,60 (1.795) |
| 24                    | Tin     | 192990-3280                  | TST 24 RB 05T | 192991-0311                  | TST 24 RB 01T | 2      | 21,30 (.838)  | 39,37 (1.550)     | 15,32 (.603)      | 31,30 (1.232) | 45,60 (1.795) |
| 36                    | Gold*   | 192900-0417                  | TST 36 RB 05Y | 192991-0402                  | TST 36 RB 01Z | 1      | 46,60 (1.834) | 15,24 (.600)      | 54,64 (2.151)     | 21,20 (.834)  | 60,50 (2.382) |
| 36                    | Tin     | 192990-3290                  | TST 36 RB 05T | 192991-0403                  | TST 36 RB 01T | 1      | 46,60 (1.834) | 15,24 (.600)      | 54,64 (2.151)     | 21,20 (.834)  | 60,50 (2.382) |

\* Gold plating for Formed (Stamped) Contacts is 0,75  $\mu$ m (30  $\mu$  in.) min gold. Gold plating for Machined Contacts is gold flash.

查询"192991-0214"供应商

PCB Mounted Connectors — Socket Contacts



- Mates with Free Plug, see page 6.
- Integrally molded flanges.
- Contacts are on a 5,08 (.200) grid, symmetrical on center lines.
- Recommended PCB hole  $\varnothing 1,15$  (.045).
- Connector Discriminating Pins available, see page 50.

Figure 1

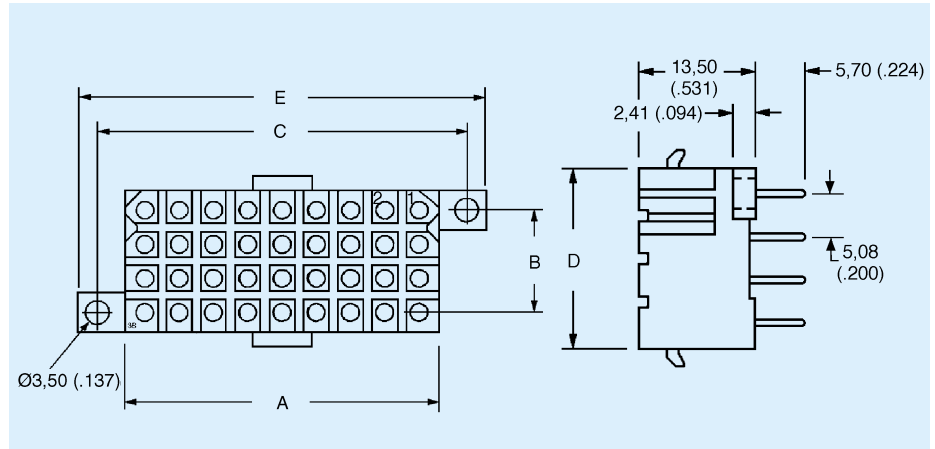
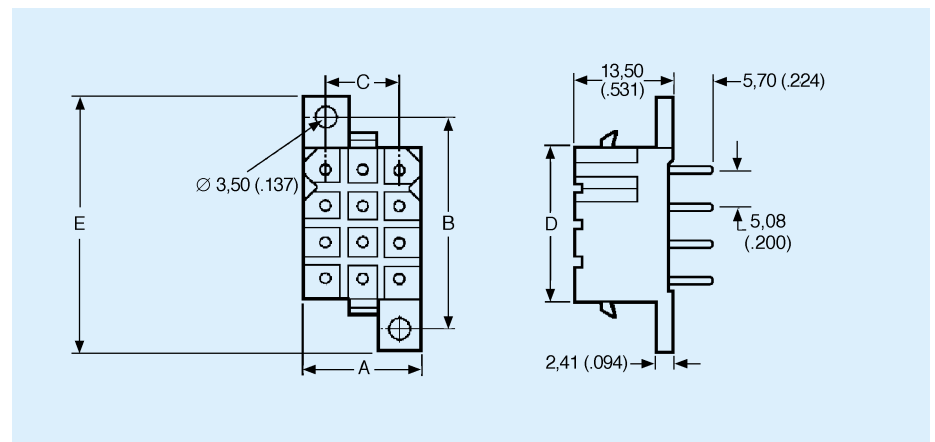


Figure 2



| Number of<br>Contacts | Plating | Formed (Stamped)             |               | Machined                     |               |        | Dimensions    |                   |                   |               |               |
|-----------------------|---------|------------------------------|---------------|------------------------------|---------------|--------|---------------|-------------------|-------------------|---------------|---------------|
|                       |         | Part Number<br>(Pack of 100) | Nomenclature  | Part Number<br>(Pack of 100) | Nomenclature  | Figure | A             | B<br>±0,08 (.003) | C<br>±0,08 (.003) | D             | E             |
| 2                     | Gold*   | 192900-0418                  | TST 02 RB 06Y | 192991-0213                  | TST 02 RB 02Z | 1      | 11,13 (.438)  | N/A               | 19,13 (.753)      | 6,00 (.236)   | 25,00 (.984)  |
| 2                     | Tin     | 192990-3300                  | TST 02 RB 06T | 192991-0214                  | TST 02 RB 02T | 1      | 11,13 (.438)  | N/A               | 19,13 (.753)      | 6,00 (.236)   | 25,00 (.984)  |
| 3                     | Gold*   | 192900-0419                  | TST 03 RB 06Y | 192991-0221                  | TST 03 RB 02Z | 2      | 16,21 (.638)  | 14,05 (.553)      | 10,24 (.403)      | 6,00 (.236)   | 20,10 (.791)  |
| 3                     | Tin     | 192990-3310                  | TST 03 RB 06T | 192991-0222                  | TST 03 RB 02T | 2      | 16,21 (.638)  | 14,05 (.553)      | 10,24 (.403)      | 6,00 (.236)   | 20,10 (.791)  |
| 4                     | Gold*   | 192900-0420                  | TST 04 RB 06Y | 192991-0229                  | TST 04 RB 02Z | 2      | 21,30 (.838)  | 14,05 (.553)      | 15,32 (.603)      | 6,00 (.236)   | 20,10 (.791)  |
| 4                     | Tin     | 192990-3320                  | TST 04 RB 06T | 192991-0230                  | TST 04 RB 02T | 2      | 21,30 (.838)  | 14,05 (.553)      | 15,32 (.603)      | 6,00 (.236)   | 20,10 (.791)  |
| 6                     | Gold*   | 192900-0421                  | TST 06 RB 06Y | 192991-0237                  | TST 06 RB 02Z | 2      | 16,20 (.637)  | 19,12 (.752)      | 10,23 (.402)      | 11,00 (.433)  | 26,00 (1.023) |
| 6                     | Tin     | 192990-3330                  | TST 06 RB 06T | 192991-0238                  | TST 06 RB 02T | 2      | 16,20 (.637)  | 19,12 (.752)      | 10,23 (.402)      | 11,00 (.433)  | 26,00 (1.023) |
| 12                    | Gold*   | 192900-0422                  | TST 12 RB 06Y | 192991-0245                  | TST 12 RB 02Z | 2      | 16,20 (.637)  | 29,30 (1.153)     | 10,26 (.404)      | 21,20 (.834)  | 35,20 (1.385) |
| 12                    | Tin     | 192990-3340                  | TST 12 RB 06T | 192991-0246                  | TST 12 RB 02T | 2      | 16,20 (.637)  | 29,30 (1.153)     | 10,26 (.404)      | 21,20 (.834)  | 35,20 (1.385) |
| 24                    | Gold*   | 192900-0423                  | TST 24 RB 06Y | 192991-0253                  | TST 24 RB 02Z | 2      | 21,30 (.838)  | 39,37 (1.550)     | 15,32 (.603)      | 31,30 (1.232) | 45,60 (1.795) |
| 24                    | Tin     | 192990-3350                  | TST 24 RB 06T | 192991-0254                  | TST 24 RB 02T | 2      | 21,30 (.838)  | 39,37 (1.550)     | 15,32 (.603)      | 31,30 (1.232) | 45,60 (1.795) |
| 36                    | Gold*   | 192900-0424                  | TST 36 RB 06Y | 192991-0261                  | TST 36 RB 02Z | 1      | 46,60 (1.834) | 15,24 (.600)      | 54,64 (2.151)     | 21,20 (.834)  | 60,50 (2.382) |
| 36                    | Tin     | 192990-3360                  | TST 36 RB 06T | 192991-0262                  | TST 36 RB 02T | 1      | 46,60 (1.834) | 15,24 (.600)      | 54,64 (2.151)     | 21,20 (.834)  | 60,50 (2.382) |

\* Gold plating for Formed (Stamped) Contacts is 0,75  $\mu$ m (30  $\mu$ i in.) min gold. Gold plating for Machined Contacts is gold flash.