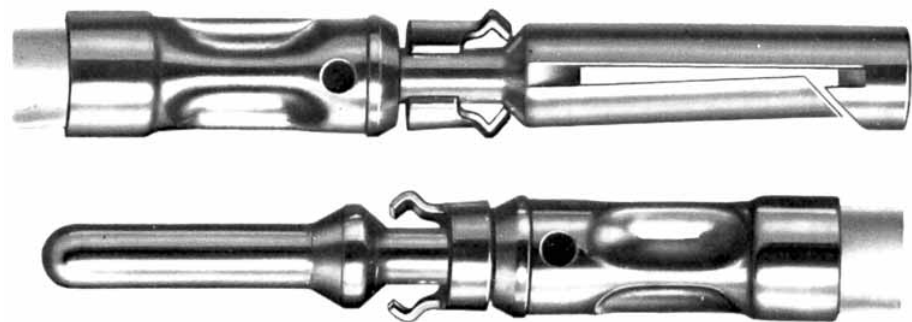


# 100 Series

## Removable Contacts



6x Actual Size — Typical Removable Contact

Winchester Electronics removable contacts allow quick, easy removal and replacement of any contact without disturbing another - and without discarding the connector. They offer exceptional flexibility in both the choice and revision of circuitry for rack and panel equipment ... at substantial savings in replacement and installation time. In addition, wiring costs are significantly lowered, as wires may be assembled away from the

connector itself. Assembly of contacts to wires is further simplified by crimp type contacts. A contact is slipped on the wire, inserted in the crimping tool, and crimped securely in place in seconds. Compact and self-aligning, these removable contacts provide high retention force and exceptional mechanical and electrical reliability. Solder type removable contacts are available for connectors using MRAC contacts.

## Specifications

|                         |                                                                                                                                            |                           |                                                                                                                                                       |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|---------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Pin Contacts:</b>    | Copper Alloy, gold plated.                                                                                                                 | <b>Specifications:</b>    | Conforms to applicable portions of MIL-C-39029                                                                                                        |
| <b>Socket Contacts:</b> | Closed entry type machined from copper alloy, gold plated.                                                                                 | <b>Wire Sizes:</b>        | From a minimum 28 to a maximum 14 AWG. All contacts are designed to accept a minimum AWG conductor up to two sizes below maximum gage (each contact.) |
| <b>Tools:</b>           | Complete line available. Includes automatic pneumatic, pneumatic hand operated, hand operated crimping tools, insertion and removal tools. | <b>Termination Types:</b> | Crimp, solder, dip solder or wire-wrap                                                                                                                |
| <b>Military</b>         |                                                                                                                                            | <b>Current Rating:</b>    | 7.5 Amps maximum for .040 contacts. 13 Amps maximum for .062 contacts.                                                                                |

**To Order:** Specify by catalog number

**Note:** Series 100 Removable Contacts are not supplied with the connector. They must be ordered as a separate item.

## 100 Series Contacts

## 100 SERIES CONTACTS

| Loose Contact Part Number | Reeled Contact Part Number | Accommodates Conductor Sizes | Used In Connector Series | Diameter (See Drawings) |      | Mating Pin Diameter | Description of Contacts | See Figure Number | AMPS per Cont | For Loose Contacts |             |                |                       | For Loose Contacts    |                        |                       | For Reeled Contacts        |                         |                       |
|---------------------------|----------------------------|------------------------------|--------------------------|-------------------------|------|---------------------|-------------------------|-------------------|---------------|--------------------|-------------|----------------|-----------------------|-----------------------|------------------------|-----------------------|----------------------------|-------------------------|-----------------------|
|                           |                            |                              |                          | A                       | B    |                     |                         |                   |               | Locator            | Hand Tool   | Pneumatic Tool | Gage Plug Part Number | Hand Tool Part Number | Positioner Part Number | Gage Plug Part Number | Pneumatic Tool Part Number | Depth Block Part Number | Gage Plug Part Number |
| 100-1014P                 | 100-0909P                  | 14-16                        | MRAC, TMRAC, XAC, TXAC   | .081                    | .105 | .062                | Crimp Contact           | 1                 | 13            | 107-0945           | 107-0903-2A | 107-0918       | 5431-22               | 107-0970              | 107-0981               | 5431-17               | 107-0961                   | 107-0966                | 5431-14               |
| 100-1014S                 | 100-0919S                  | 14-16                        | MRAC, TMRAC, XAC, TXAC   | .081                    | .105 | .062                | Crimp Contact           | 2                 | 13            | 107-0945           | 107-0903-2A | 107-0918       | 5431-22               | 107-0970              | 107-0981               | 5431-17               | 107-0961                   | 107-0966                | 5431-14               |
| 100-1016P                 | 100-0911P                  | 16-18-20                     | MRAC, TMRAC, XAC, TXAC   | .067                    | .092 | .062                | Crimp Contact           | 1                 | 13            | 107-0945           | 107-0903-2A | 107-0918       | 5431-14               | 107-0970              | 107-0977               | 5431-11               | 107-0961                   | 107-0966                | 5431-14               |
| 100-1016S                 | 100-0921S                  | 16-18-20                     | MRAC, TMRAC, XAC, TXAC   | .067                    | .097 | .062                | Crimp Contact           | 2                 | 13            | 107-0945           | 107-0903-2A | 107-0918       | 5431-14               | 107-0970              | 107-0977               | 5431-11               | 107-0961                   | 107-0966                | 5431-14               |
| 100-1018P                 | 100-0913P                  | 18-20-22                     | MRAC, TMRAC, XAC, TXAC   | .052                    | .078 | .062                | Crimp Contact           | 1                 | 13            | 107-0945           | 107-0903-2A | 107-0918       | 5431-14               | 107-0970              | 107-0977               | 5431-11               | 107-0961                   | 107-0966                | 5431-14               |
| 100-1018S                 | 100-0923S                  | 18-20-22                     | MRAC, TMRAC, XAC, TXAC   | .052                    | .078 | .062                | Crimp Contact           | 2                 | 13            | 107-0945           | 107-0903-2A | 107-0918       | 5431-14               | 107-0970              | 107-0977               | 5431-11               | 107-0961                   | 107-0966                | 5431-14               |
| 100-1020P                 | 100-0915P                  | 20-22-24                     | MRAC, TMRAC, XAC, TXAC   | .045                    | .067 | .062                | Crimp Contact           | 1                 | 13            | 107-0945           | 107-0903-2A | 107-0918       | 5431-15               | 107-0970              | 107-0976               | 5431-12               | 107-0961                   | 107-0965                | 5431-15               |
| 100-1020S                 | 100-0925S                  | 20-22-24                     | MRAC, TMRAC, XAC, TXAC   | .045                    | .065 | .062                | Crimp Contact           | 2                 | 13            | 107-0945           | 107-0903-2A | 107-0918       | 5431-15               | 107-0970              | 107-0976               | 5431-12               | 107-0961                   | 107-0965                | 5431-15               |
| 100-1022P                 | 100-0907P                  | 22-24-26                     | MRAC, TMRAC, XAC, TXAC   | .033                    | .055 | .062                | Crimp Contact           | 1                 | 13            | 107-0945           | 107-0903-2A | 107-0918       | 5431-15               | 107-0970              | 107-0976               | 5431-12               | 107-0961                   | 107-0965                | 5431-15               |
| 100-1022S                 | 100-0908S                  | 22-24-26                     | MRAC, TMRAC, XAC, TXAC   | .033                    | .055 | .062                | Crimp Contact           | 2                 | 13            | 107-0945           | 107-0903-2A | 107-0918       | 5431-15               | 107-0970              | 107-0976               | 5431-12               | 107-0961                   | 107-0965                | 5431-15               |
| 100-1024P                 | 100-0917P                  | 24-26-28                     | MRAC, TMRAC, XAC, TXAC   | .027                    | .055 | .062                | Crimp Contact           | 1                 | 13            | 107-0945           | 107-0903-2A | 107-0918       | 5431-15               | 107-0970              | 107-0976               | 5431-12               | 107-0961                   | 107-0965                | 5431-15               |
| 100-1024S                 | 100-0927S                  | 24-26-28                     | MRAC, TMRAC, XAC, TXAC   | .027                    | .055 | .062                | Crimp Contact           | 2                 | 13            | 107-0945           | 107-0903-2A | 107-0918       | 5431-15               | 107-0970              | 107-0976               | 5431-12               | 107-0961                   | 107-0965                | 5431-15               |
| 100-1026P                 | 100-0963P                  | 26-28-30                     | MRAC, TMRAC, XAC, TXAC   | .024                    | .050 | .062                | Crimp Contact           | 1                 | 13            | 107-0945           | 107-0903-2A | 107-0918       | 5431-15               | 107-0970              | 107-0976               | 5431-12               | 107-0961                   | 107-0965                | 5431-15               |
| 100-1026S                 | 100-0965S                  | 26-28-30                     | MRAC, TMRAC, XAC, TXAC   | .024                    | .050 | .062                | Crimp Contact           | 2                 | 13            | 107-0945           | 107-0903-2A | 107-0918       | 5431-15               | 107-0970              | 107-0976               | 5431-12               | 107-0961                   | 107-0965                | 5431-15               |
| 100-2016P                 | 100-0949P                  | 16-18-20                     | MRAC, TMRAC, XAC, TXAC   | .067                    | .096 | .040                | Crimp Contact           | 3                 | 7.5           | 107-0945           | 107-0903-2A | 107-0918       | 5431-14               | 107-0970              | 107-0977               | 5431-11               | 107-0961                   | 107-0966                | 5431-14               |
| 100-2016S                 | 100-0939S                  | 16-18-20                     | MRAC, TMRAC, XAC, TXAC   | .067                    | .096 | .040                | Crimp Contact           | 4                 | 7.5           | 107-0945           | 107-0903-2A | 107-0918       | 5431-14               | 107-0970              | 107-0977               | 5431-11               | 107-0961                   | 107-0966                | 5431-14               |
| 100-2018P                 | 100-0943P                  | 18-20-22                     | MRAC, TMRAC, XAC, TXAC   | .052                    | .078 | .040                | Crimp Contact           | 3                 | 7.5           | 107-0945           | 107-0903-2A | 107-0918       | 5431-14               | 107-0970              | 107-0977               | 5431-11               | 107-0961                   | 107-0966                | 5431-14               |
| 100-2018S                 | 100-0933S                  | 18-20-22                     | MRAC, TMRAC, XAC, TXAC   | .052                    | .078 | .040                | Crimp Contact           | 4                 | 7.5           | 107-0945           | 107-0903-2A | 107-0918       | 5431-14               | 107-0970              | 107-0977               | 5431-11               | 107-0961                   | 107-0966                | 5431-14               |
| 100-2020P                 | 100-0945P                  | 20-22-24                     | MRAC, TMRAC, XAC, TXAC   | .045                    | .065 | .040                | Crimp Contact           | 3                 | 7.5           | 107-0945           | 107-0903-2A | 107-0918       | 5431-15               | 107-0970              | 107-0976               | 5431-12               | 107-0961                   | 107-0965                | 5431-15               |
| 100-2020S                 | 100-0935S                  | 20-22-24                     | MRAC, TMRAC, XAC, TXAC   | .045                    | .065 | .040                | Crimp Contact           | 4                 | 7.5           | 107-0945           | 107-0903-2A | 107-0918       | 5431-15               | 107-0970              | 107-0976               | 5431-12               | 107-0961                   | 107-0965                | 5431-15               |
| 100-2022P                 | 100-0947P                  | 22-24-26                     | MRAC, TMRAC, XAC, TXAC   | .033                    | .055 | .040                | Crimp Contact           | 3                 | 7.5           | 107-0945           | 107-0903-2A | 107-0918       | 5431-15               | 107-0970              | 107-0976               | 5431-12               | 107-0961                   | 107-0965                | 5431-15               |
| 100-2022S                 | 100-0937S                  | 22-24-26                     | MRAC, TMRAC, XAC, TXAC   | .033                    | .055 | .040                | Crimp Contact           | 4                 | 7.5           | 107-0945           | 107-0903-2A | 107-0918       | 5431-15               | 107-0970              | 107-0976               | 5431-12               | 107-0961                   | 107-0965                | 5431-15               |
| 100-2024P                 | 100-0951P                  | 24-26-28                     | MRAC, TMRAC, XAC, TXAC   | .027                    | .055 | .040                | Crimp Contact           | 3                 | 7.5           | 107-0945           | 107-0903-2A | 107-0918       | 5431-15               | 107-0970              | 107-0976               | 5431-12               | 107-0961                   | 107-0965                | 5431-15               |
| 100-2024S                 | 100-0941S                  | 24-26-28                     | MRAC, TMRAC, XAC, TXAC   | .027                    | .055 | .040                | Crimp Contact           | 4                 | 7.5           | 107-0945           | 107-0903-2A | 107-0918       | 5431-15               | 107-0970              | 107-0976               | 5431-12               | 107-0961                   | 107-0965                | 5431-15               |

Continued on page RP / 85

# 100 Series

## 100 Series Contacts

### 100 SERIES CONTACTS

| Loose Contact Part Number | Reeled Contact Part Number | Accommodates Conductor Sizes | Used In Connector Series | Diameter (See Drawings) |      | Mating Pin Diameter | Description of Contacts | See Figure per Number | AMPS per Cont | For Loose Contacts |             |                | For Loose Contacts    |                        |                       | For Reeled Contacts        |                         |                       |
|---------------------------|----------------------------|------------------------------|--------------------------|-------------------------|------|---------------------|-------------------------|-----------------------|---------------|--------------------|-------------|----------------|-----------------------|------------------------|-----------------------|----------------------------|-------------------------|-----------------------|
|                           |                            |                              |                          | A                       | B    |                     |                         |                       |               | Locator            | Hand Tool   | Pneumatic Tool | Gage Plug Part Number | Positioner Part Number | Gage Plug Part Number | Pneumatic Tool Part Number | Depth Block Part Number | Gage Plug Part Number |
| 100-2514P                 | Not Available              | 14-16-18                     | MRAC, TMRAC XAC, TXAC    | .081                    | .105 | .062                | Solder Contact          | 5                     | 13            |                    |             |                |                       |                        |                       |                            |                         | N/A Solder Contact    |
| 100-2514S                 | Not Available              | 14-16-18                     | MRAC, TMRAC XAC, TXAC    | .081                    | .105 | .062                | Solder Contact          | 6                     | 13            |                    |             |                |                       |                        |                       |                            |                         | N/A Solder Contact    |
| 100-2516P                 | Not Available              | 16-18-20                     | MRAC, TMRAC XAC, TXAC    | .067                    | .097 | .062                | Solder Contact          | 5                     | 13            |                    |             |                |                       |                        |                       |                            |                         | N/A Solder Contact    |
| 100-2516S                 | Not Available              | 16-18-20                     | MRAC, TMRAC XAC, TXAC    | .067                    | .097 | .062                | Solder Contact          | 6                     | 13            |                    |             |                |                       |                        |                       |                            |                         | N/A Solder Contact    |
| 100-2518P                 | Not Available              | 18-20-22                     | MRAC, TMRAC XAC, TXAC    | .052                    | .076 | .062                | Solder Contact          | 5                     | 13            |                    |             |                |                       |                        |                       |                            |                         | N/A Solder Contact    |
| 100-2518S                 | Not Available              | 18-20-22                     | MRAC, TMRAC XAC, TXAC    | .052                    | .076 | .062                | Solder Contact          | 6                     | 13            |                    |             |                |                       |                        |                       |                            |                         | N/A Solder Contact    |
| 100-2520P                 | Not Available              | 20-22-24                     | MRAC, TMRAC XAC, TXAC    | .045                    | .065 | .062                | Solder Contact          | 5                     | 13            |                    |             |                |                       |                        |                       |                            |                         | N/A Solder Contact    |
| 100-2520S                 | Not Available              | 20-22-24                     | MRAC, TMRAC XAC, TXAC    | .045                    | .065 | .062                | Solder Contact          | 6                     | 13            |                    |             |                |                       |                        |                       |                            |                         | N/A Solder Contact    |
| 100-2522P                 | Not Available              | 22-24-26                     | MRAC, TMRAC XAC, TXAC    | .033                    | .055 | .062                | Solder Contact          | 5                     | 13            |                    |             |                |                       |                        |                       |                            |                         | N/A Solder Contact    |
| 100-2522S                 | Not Available              | 22-24-26                     | MRAC, TMRAC XAC, TXAC    | .033                    | .055 | .062                | Solder Contact          | 6                     | 13            |                    |             |                |                       |                        |                       |                            |                         | N/A Solder Contact    |
| 100-2524P                 | Not Available              | 24-26-28                     | MRAC, TMRAC XAC, TXAC    | .027                    | .055 | .062                | Solder Contact          | 5                     | 13            |                    |             |                |                       |                        |                       |                            |                         | N/A Solder Contact    |
| 100-2524S                 | Not Available              | 24-26-28                     | MRAC, TMRAC XAC, TXAC    | .027                    | .055 | .062                | Solder Contact          | 6                     | 13            |                    |             |                |                       |                        |                       |                            |                         | N/A Solder Contact    |
| 100-2616P                 | Not Available              | 16-18-20                     | MRAC, TMRAC XAC, TXAC    | .067                    | .096 | .040                | Solder Contact          | 7                     | 7.5           |                    |             |                |                       |                        |                       |                            |                         | N/A Solder Contact    |
| 100-2616S                 | Not Available              | 16-18-20                     | MRAC, TMRAC XAC, TXAC    | .067                    | .096 | .040                | Solder Contact          | 8                     | 7.5           |                    |             |                |                       |                        |                       |                            |                         | N/A Solder Contact    |
| 100-2620P                 | Not Available              | 20-22-24                     | MRAC, TMRAC XAC, TXAC    | .045                    | .065 | .040                | Solder Contact          | 7                     | 7.5           |                    |             |                |                       |                        |                       |                            |                         | N/A Solder Contact    |
| 100-2620S                 | Not Available              | 20-22-24                     | MRAC, TMRAC XAC, TXAC    | .045                    | .065 | .040                | Solder Contact          | 8                     | 7.5           |                    |             |                |                       |                        |                       |                            |                         | N/A Solder Contact    |
| 100-4020P                 | 100-0801P                  | 20-22                        | SREC, 42 Series          | See Drawing             |      | .030                | Crimp Contact           | 23                    | 5             | 107-43302          | 107-43300   |                | 5431-25               |                        |                       | 107-0961                   | 107-0965                | 5431-15               |
| 100-4020S                 | 100-0802S                  | 20-22                        | SREC, 42 Series          | See Drawing             |      | .030                | Crimp Contact           | 24                    | 5             | 107-43302          | 107-43300   |                | 5431-25               |                        |                       | 107-0961                   | 107-0965                | 5431-15               |
| 100-4024P                 | 100-0805P                  | 24-26-28                     | SREC, 42 Series          | See Drawing             |      | .030                | Crimp Contact           | 25                    | 5             | 107-43302          | 107-43300   |                | 5431-25               |                        |                       | 107-0961                   | 107-0965                | 5431-15               |
| 100-4024S                 | 100-0806S                  | 24-26-28                     | SREC, 42 Series          | See Drawing             |      | .030                | Crimp Contact           | 26                    | 5             | 107-43302          | 107-43300   |                | 5431-25               |                        |                       | 107-0961                   | 107-0965                | 5431-15               |
| 100-4028P                 | 100-0809P                  | 28-30                        | SREC, 42 Series          | See Drawing             |      | .030                | Crimp Contact           | 27                    | 5             | 107-43302          | 107-43300   |                | 5431-25               |                        |                       | 107-0961                   | 107-0965                | 5431-15               |
| 100-4028S                 | 100-0810S                  | 28-30                        | SREC, 42 Series          | See Drawing             |      | .030                | Crimp Contact           | 28                    | 5             | 107-43302          | 107-43300   |                | 5431-25               |                        |                       | 107-0961                   | 107-0965                | 5431-15               |
| 100-51014S                | 100-0981S                  | 14-16                        | MRAC, TMRAC, XAC, TXAC   | .081                    | .105 | .062                | 3 Piece Crimp           | 19                    | 13            | 107-0945           | 107-0903-2A | 107-0918       | 5431-14               |                        |                       | 107-0961                   | 107-0966                | 5431-14               |
| 100-51016S                | 100-0982S                  | 16-18-20                     | MRAC, TMRAC, XAC, TXAC   | .067                    | .094 | .062                | 3 Piece Crimp           | 19                    | 13            | 107-0945           | 107-0903-2A | 107-0918       | 5431-14               |                        |                       | 107-0961                   | 107-0966                | 5431-14               |
| 100-51018S                | 100-0983S                  | 18-20-22                     | MRAC, TMRAC, XAC, TXAC   | .052                    | .078 | .062                | 3 Piece Crimp           | 19                    | 13            | 107-0945           | 107-0903-2A | 107-0918       | 5431-14               |                        |                       | 107-0961                   | 107-0966                | 5431-14               |
| 100-51020S                | 100-0984S                  | 20-22-24                     | MRAC, TMRAC, XAC, TXAC   | .045                    | .067 | .062                | 3 Piece Crimp           | 19                    | 13            | 107-0945           | 107-0903-2A | 107-0918       | 5431-15               |                        |                       | 107-0961                   | 107-0965                | 5431-15               |

Continued on page **RP / 86**

## 100 Series Contacts

## 100 SERIES CONTACTS

| Loose Contact Part Number | Reeled Contact Part Number<br>2,000/Reel | Accommodates Conductor Sizes | Used In Connector Series | Diameter (See Drawings) |      | Mating Pin Diameter | Description of Contacts | See Figure Number | AMPS per Cont | For Loose Contacts |               |                |                       | For Reeled Contacts   |                        |                       |                            |                         |  |
|---------------------------|------------------------------------------|------------------------------|--------------------------|-------------------------|------|---------------------|-------------------------|-------------------|---------------|--------------------|---------------|----------------|-----------------------|-----------------------|------------------------|-----------------------|----------------------------|-------------------------|--|
|                           |                                          |                              |                          | A                       | B    |                     |                         |                   |               | Locator            | Hand Tool     | Pneumatic Tool | Gage Plug Part Number | Hand Tool Part Number | Positioner Part Number | Gage Plug Part Number | Pneumatic Tool Part Number | Depth Block Part Number |  |
| 100-51022S                | 100-0985S                                | 22-24-26                     | MRAC, TMRAC, XAC, TXAC   | .033                    | .055 | .062                | 3 Piece Crimp           | 19                | 13            | 107-0945           | 107-0903-2A   | 107-0918       | 5431-15               |                       |                        | 107-0961              | 107-0965                   | 5431-15                 |  |
| 100-51024S                | 100-0986S                                | 24-26-28                     | MRAC, TMRAC, XAC, TXAC   | .027                    | .055 | .062                | 3 Piece Crimp           | 19                | 13            | 107-0945           | 107-0903-2A   | 107-0918       | 5431-15               |                       |                        | 107-0961              | 107-0965                   | 5431-15                 |  |
| 100-51026S                | 100-0987S                                | 26-28-30                     | MRAC, TMRAC, XAC, TXAC   | .024                    | .050 | .062                | 3 Piece Crimp           | 19                | 13            | 107-0945           | 107-0903-2A   | 107-0918       | 5431-15               |                       |                        | 107-0961              | 107-0965                   | 5431-15                 |  |
| 100-54020S                | 100-0804S                                | 20-22                        | SREC, 42 Series          | See Drawing             |      | .030                | 3 Piece Crimp           | 20                | 5             | 107-43302          | 107-43300     |                | 5431-25               |                       |                        |                       |                            |                         |  |
| 100-54024S                | 100-0823S                                | 24-26                        | SREC, 42 Series          | See Drawing             |      | .030                | 3 Piece Crimp           | 21                | 5             | 107-43302          | 107-43300     |                | 5431-25               |                       |                        |                       |                            |                         |  |
| 100-54028S                | Not Available                            | 28-30                        | SREC, 42 Series          | See Drawing             |      | .030                | 3 Piece Crimp           | 22                | 5             | 107-43302          | 107-43300     |                | 5431-25               |                       |                        |                       |                            |                         |  |
|                           |                                          |                              |                          |                         |      |                     |                         |                   |               |                    | Inner Contact |                |                       | Outer Contact         |                        |                       |                            |                         |  |
| 100-8000P                 | Not Available                            | RG178, 196/U                 | MRAC, TMRAC, XAC, TXAC   | See Drawing             |      | .078                | Shielded Crimp          | 31                | —             | 107-43303          | 107-43300     |                | 5431-26               | 107-0903-2A           | 107-0944               |                       |                            |                         |  |
| 100-8000S                 | Not Available                            | RG178, 196/U                 | MRAC, TMRAC, XAC, TXAC   | See Drawing             |      | .078                | Shielded Crimp          | 32                | —             | 107-43303          | 107-43300     |                | 5431-26               | 107-0903-2A           | 107-0944               |                       |                            |                         |  |
| 100-8001P                 | Not Available                            | RG161, 179 187/U             | MRAC, TMRAC, XAC, TXAC   | See Drawing             |      | .078                | Shielded Crimp          | 31                | —             | 107-43303          | 107-43300     |                | 5431-26               | 107-43330             | Not Required           |                       |                            |                         |  |
| 100-8001S                 | Not Available                            | RG161, 179 187/U             | MRAC, TMRAC, XAC, TXAC   | See Drawing             |      | .078                | Shielded Crimp          | 32                | —             | 107-43303          | 107-43300     |                | 5431-26               | 107-43330             | Not Required           |                       |                            |                         |  |
| 100-8003P                 | Not Available                            | RG174, 188 316/U             | MRAC, TMRAC, XAC, TXAC   | See Drawing             |      | .078                | Shielded Crimp          | 31                | —             | 107-43303          | 107-43300     |                | 5431-26               | 107-43330             | Not Required           |                       |                            |                         |  |
| 100-8003S                 | Not Available                            | RG174, 188 316/U             | MRAC, TMRAC, XAC, TXAC   | See Drawing             |      | .078                | Shielded Crimp          | 32                | —             | 107-43303          | 107-43300     |                | 5431-26               | 107-43330             | Not Required           |                       |                            |                         |  |
| 7130                      | Not Available                            | Dip Solder                   | MRAC, TMRAC              | Not Applicable          |      | .062                | Dip Solder              | 9                 | 13            | N/A Dip Solder     |               |                |                       |                       |                        |                       |                            |                         |  |
| 7131                      | Not Available                            | Dip Solder                   | MRAC, TMRAC              | Not Applicable          |      | .062                | Dip Solder              | 10                | 13            | N/A Dip Solder     |               |                |                       |                       |                        |                       |                            |                         |  |
| 8122                      | Not Available                            | Wire Wrap                    | SREC                     | Not Applicable          |      | .030                | Wire Wrap               | 13                | 5             | N/A Wire Wrap      |               |                |                       |                       |                        |                       |                            |                         |  |
| 8123                      | Not Available                            | Wire Wrap                    | SREC                     | Not Applicable          |      | .030                | Wire Wrap               | 14                | 5             | N/A Wire Wrap      |               |                |                       |                       |                        |                       |                            |                         |  |
| 8124                      | Not Available                            | Dip Solder                   | MRAC, TMRAC              | Not Applicable          |      | .062                | Dip Solder              | 11                | 5             | N/A Dip Solder     |               |                |                       |                       |                        |                       |                            |                         |  |
| 8125                      | Not Available                            | Dip Solder                   | MRAC, TMRAC              | Not Applicable          |      | .062                | Dip Solder              | 12                | 13            | N/A Dip Solder     |               |                |                       |                       |                        |                       |                            |                         |  |
| 8113                      | Not Available                            | Wire Wrap                    | MRAC, TMRAC              | Not Applicable          |      | .062                | Wire Wrap               | 16                | 13            | N/A Wire Wrap      |               |                |                       |                       |                        |                       |                            |                         |  |
| 8114                      | Not Available                            | Wire Wrap                    | MRAC, TMRAC              | Not Applicable          |      | .062                | Wire Wrap               | 15                | 13            | N/A Wire Wrap      |               |                |                       |                       |                        |                       |                            |                         |  |
| 8105                      | Not Available                            | Wire Wrap                    | MRAC, TMRAC              | Not Applicable          |      | .062                | Wire Wrap               | 18                | 13            | N/A Wire Wrap      |               |                |                       |                       |                        |                       |                            |                         |  |
| 8106                      | Not Available                            | Wire Wrap                    | MRAC, TMRAC              | Not Applicable          |      | .062                | Wire Wrap               | 17                | 13            | N/A Wire Wrap      |               |                |                       |                       |                        |                       |                            |                         |  |

100-S = Military Contacts

Continued on page RP / 87

## MIL-C-39029 Contacts

## MIL-C-39029 CONTACTS

| M39029<br>Part<br>Number | Winchester<br>Part<br>Number | Accom-<br>modates<br>Conductor<br>Sizes | Used In<br>Connector<br>Series | Diameter |      | Mating<br>Pin<br>Dia. | Description<br>of<br>Contacts | See<br>Figure<br>Number | AMPS<br>per<br>Cont | MIL Spec<br>Crimp<br>Tool | Winchester<br>Crimp<br>Tool | MIL Spec<br>Positioner | Winchester<br>Positioner | Insertion<br>Tool<br>MIL | Insertion<br>Tool<br>Winchester | Removal<br>Tool<br>MIL | Removal<br>Tool<br>Winchester |
|--------------------------|------------------------------|-----------------------------------------|--------------------------------|----------|------|-----------------------|-------------------------------|-------------------------|---------------------|---------------------------|-----------------------------|------------------------|--------------------------|--------------------------|---------------------------------|------------------------|-------------------------------|
|                          |                              |                                         |                                | A        | B    |                       |                               |                         |                     |                           |                             |                        |                          |                          |                                 |                        |                               |
| M39029/34-271            | 100R-2020P95                 | 20-22-24                                | M28748                         | .045     | .067 | .040                  | Crimp<br>Contact              | 3                       | 7.5                 | M22520/1-01               | 107-0903-2A                 | M22520/1-03            | 107-0945                 | M81969/18-01             | 107-1015                        | M81969/20-01           | 107R1001                      |
| M39029/34-272            | 100R-1020P95                 | 20-22-24                                | M28748                         | .045     | .067 | .062                  | Crimp<br>Contact              | 1                       | 13                  | M22520/1-01               | 107-0903-2A                 | M22520/1-03            | 107-0945                 | M81969/18-01             | 107-1015                        | M81969/20-01           | 107R1001                      |
| M39029/34-273            | 100B-1016P95                 | 16-18-20                                | M28748                         | .067     | .092 | .062                  | Crimp<br>Contact              | 1                       | 13                  | M22520/1-01               | 107-0903-2A                 | M22520/1-03            | 107-0945                 | M81969/18-01             | 107-1015                        | M81969/20-01           | 107R1001                      |
| M39029/34-440            | 100-202861-50                | 22-24-26                                | M28748                         | .035     | .056 | .030                  | Crimp<br>Contact              | 29                      | 5                   | M22520/2-01               | 107-43300                   | Buchn.614412           | 107-0611                 | M81969/18-02             | IT2857                          | M81969/20-02           | RT2855                        |
| M39029/35-274            | 100R-2020S95                 | 20-22-24                                | M28748                         | .045     | .067 | .040                  | Crimp<br>Contact              | 4                       | 7.5                 | M22520/1-01               | 107-0903-2A                 | M22520/1-03            | 107-0945                 | M81969/18-01             | 107-1015                        | M81969/20-01           | 107R1001                      |
| M39029/35-275            | 100R-51020S95                | 20-22-24                                | M28748                         | .045     | .067 | .062                  | Crimp<br>Contact              | 19                      | 13                  | M22520/1-01               | 107-0903-2A                 | M22520/1-03            | 107-0945                 | M81969/18-01             | 107-1015                        | M81969/20-01           | 107R1001                      |
| M39029/35-276            | 100B-51016S95                | 16-18-20                                | M28748                         | .067     | .092 | .062                  | Crimp<br>Contact              | 19                      | 13                  | M22520/1-01               | 107-0903-2A                 | M22520/1-03            | 107-0945                 | M81969/18-01             | 107-1015                        | M81969/20-01           | 107R1001                      |
| M39029/35-441            | 100-202862-50                | 22-24-26                                | M28748                         | .035     | .056 | .030                  | Crimp<br>Contact              | 30                      | 5                   | M22520/2-01               | 107-43300                   | Buchn.614412           |                          | M81969/18-02             | IT2857                          | M81969/20-02           | RT2855                        |

## Outline

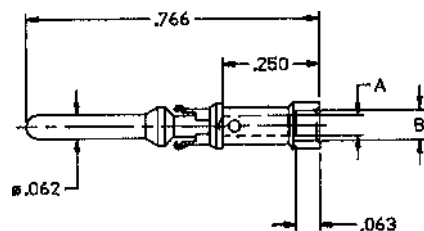


Figure 1

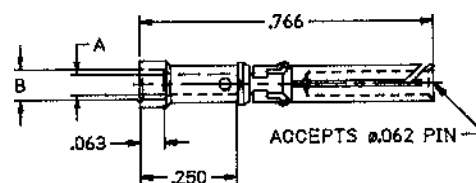


Figure 2

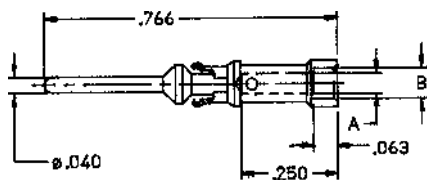


Figure 3

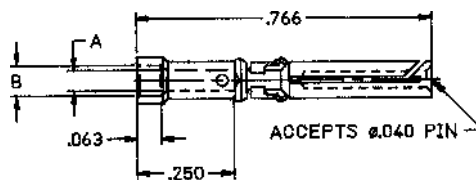


Figure 4

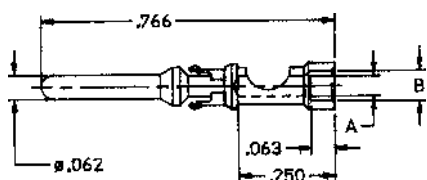


Figure 5

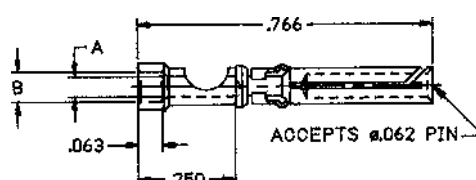


Figure 6

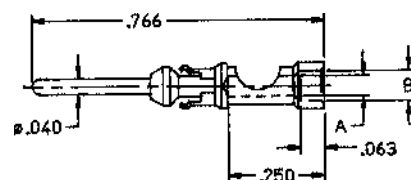


Figure 7

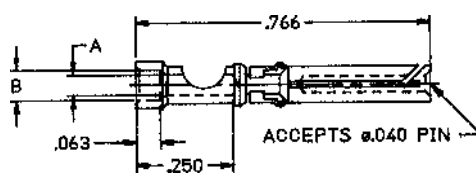


Figure 8

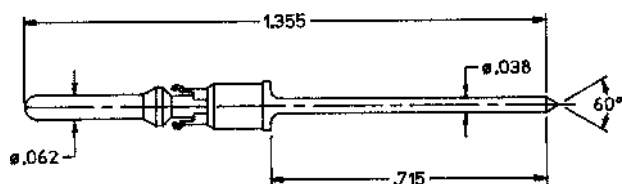


Figure 9

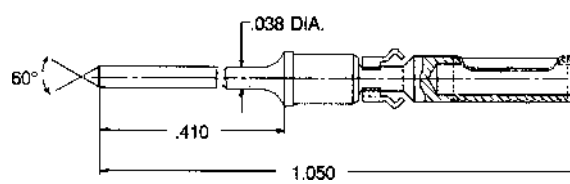


Figure 10

## Outline

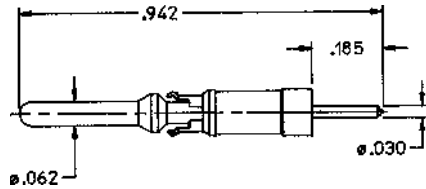


Figure 11

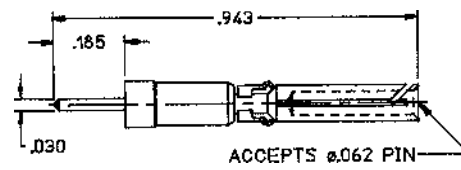


Figure 12

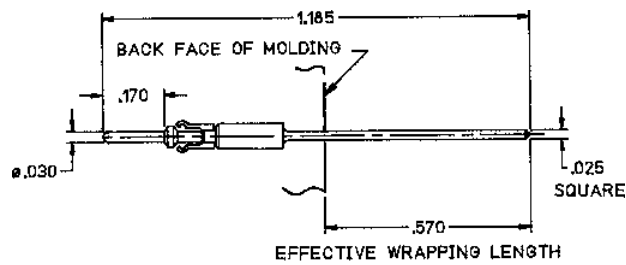


Figure 13

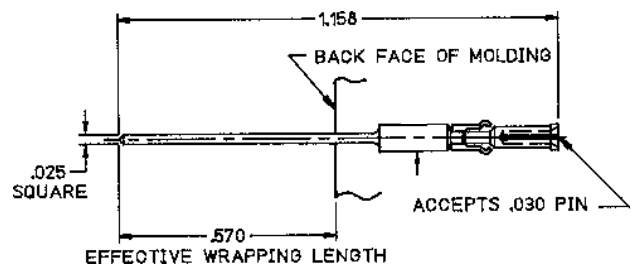


Figure 14

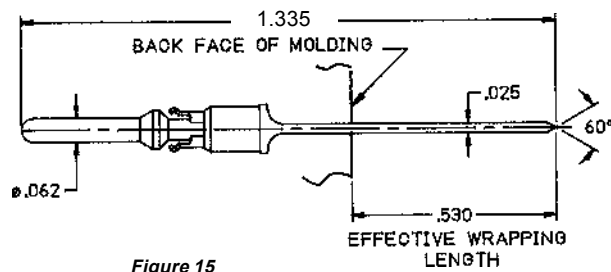


Figure 15

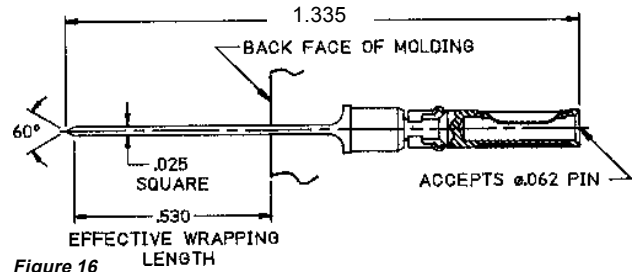


Figure 16

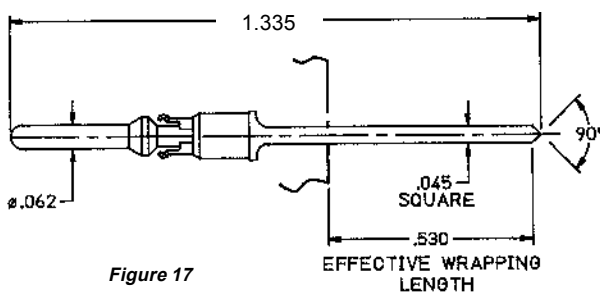


Figure 17

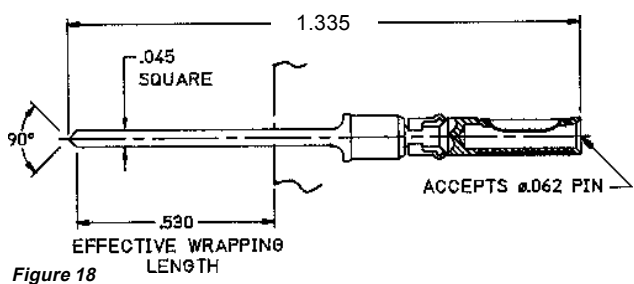


Figure 18

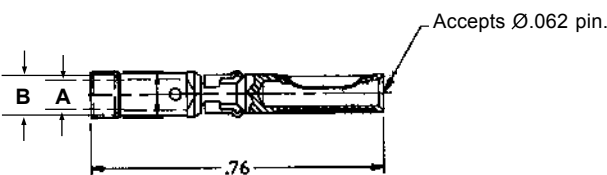


Figure 19

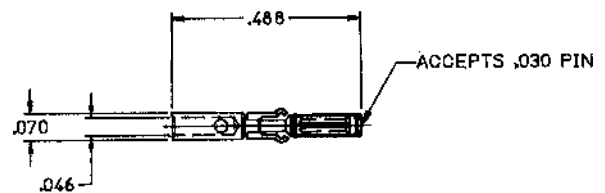


Figure 20

## 100 Series

### Outline

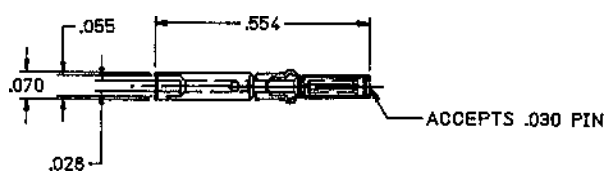


Figure 21

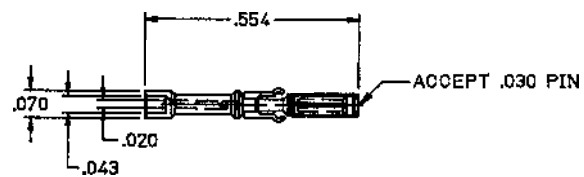


Figure 22

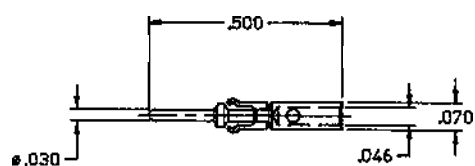


Figure 23

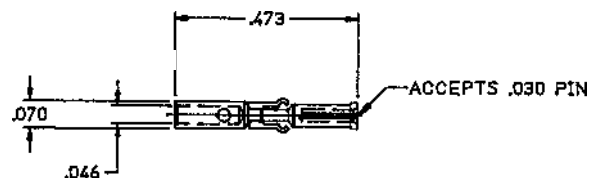


Figure 24

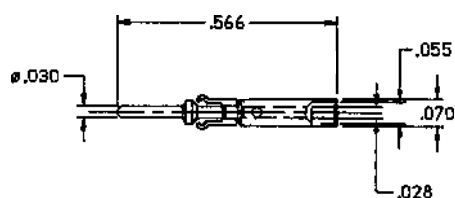


Figure 25

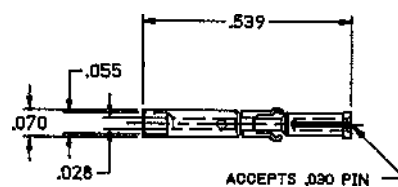


Figure 26

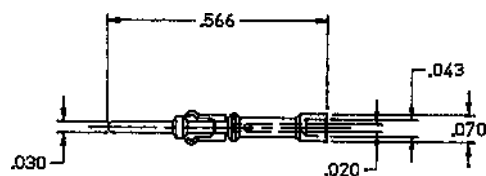


Figure 27

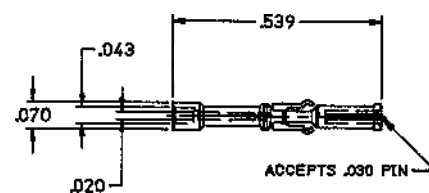


Figure 28

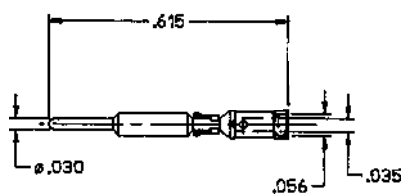


Figure 29

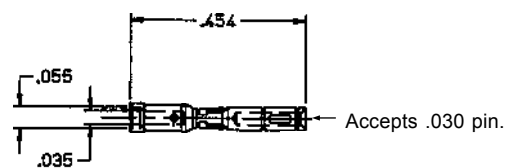


Figure 30



## Outline

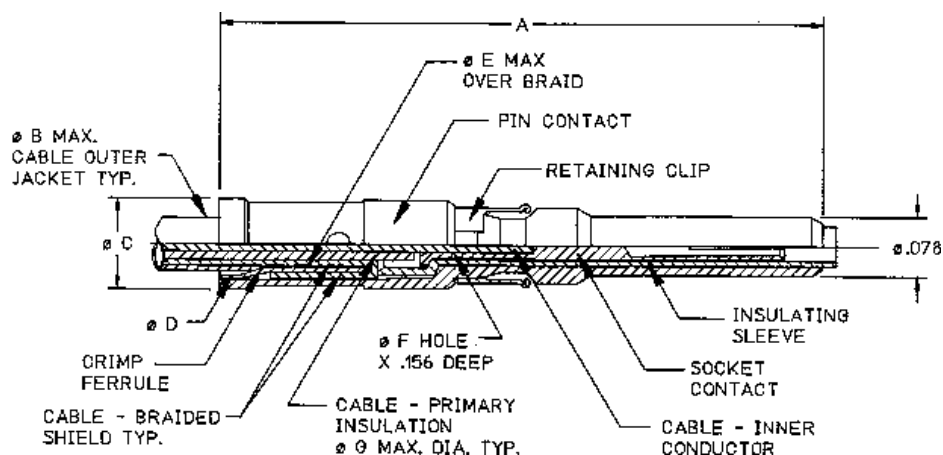


Figure 31

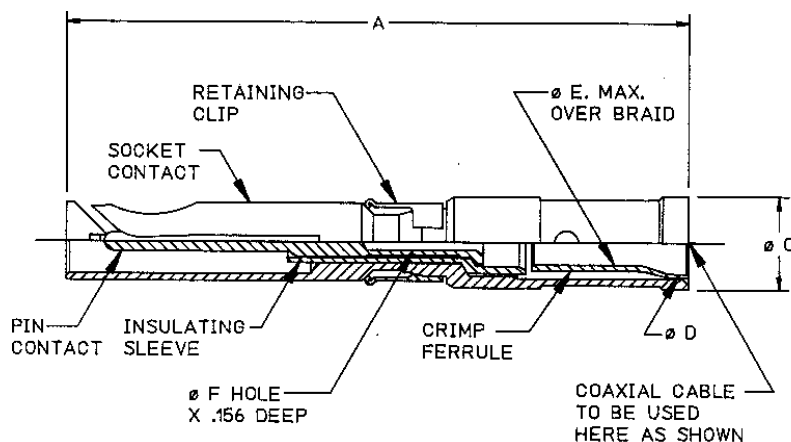


Figure 32

## Ordering Information

| Catalog Number | Style  | Cable Sizes | Dimensions |      |      |      |      |      |      |
|----------------|--------|-------------|------------|------|------|------|------|------|------|
|                |        |             | A          | B    | C    | D    | E    | F    | G    |
| 100-8000P      | Pin    | RG178/U     | .797       | .080 | .120 | .082 | .057 | .020 | .036 |
| 100-8000S      | Socket | RG196/U     |            |      |      |      |      |      |      |
| 100-8001P      | Pin    | RG161/U     | 1.031      | .110 | .137 | .111 | .082 | .020 | .063 |
| 100-8001S      | Socket | RG179/U     |            |      |      |      |      |      |      |
| 100-8003P      | Pin    | RG174/U     | 1.031      | .110 | .137 | .111 | .082 | .023 | .063 |
| 100-8003S      | Socket | RG188/U     |            |      |      |      |      |      |      |
|                |        | RG316/U     |            |      |      |      |      |      |      |