



## Quick Reference Guide

### DYNAMIC Series

Dynamic Series is a broad product family that provides connector solutions ranging from signal level circuitry through power circuit connectivity in a ruggedized, industrialized package. The connector family is designed for use in control system applications and is suitable for a wide range of applications requiring high density, signal and power applications.

Dynamic Series consists of wire-to-board, wire-to-panel and wire-to-wire connectors with diverse housings available to meet most applications. Standard crimp and spring clamp variations of parts are available. The standardized contacts limit the amount of application tooling required.

#### PRODUCT APPLICATIONS

- Industrial Control
- Human Machine Interface (HMI)
- Data Communication
- Motion & Drives
- Production Equipment
- Robotics
- Servo Drives
- Elevator/Escalator
- Power Distribution
- Industrial Process Controls
- Factory Automation Computers
- Numeric Controllers
- Variable Frequency Drives
- Switching Power Supplies

RoHS  
Ready 



[te.com/products/dynamicseries](https://te.com/products/dynamicseries)



## FEATURES YOU EXPECT FROM THE WORLD LEADER IN CONNECTIVITY SOLUTIONS

TE makes it a practice to maintain an inventory of preferred parts so orders can be fulfilled quickly. Even with specialty or custom orders, we work to reduce lead times to facilitate effective solutions within the desired timeframe.

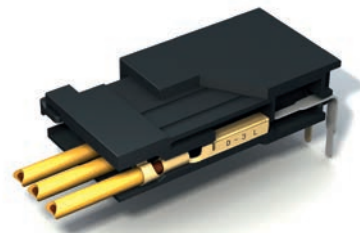
### High Performance Contact

- Large high performance contact area prevents chance of disconnection over time
- Box contact provides three points of contact to ensure the constant flow of electricity and minimizes costly downtime associated with contact failures
- Made of high conductivity material
- Gold plated versions available



### Robust Housing Structure

- Vibration resistant designed to withstand the most demanding and inhospitable environments
- Full box housing design leads to long service life and great electrical integrity
- Robust retention legs and contacts provide additional strength, acting as a strain relief and ensuring reliability
- Clear visible circuit numbers



### Secure & fast Installation

- Housings are keyed preventing mis-mating and mis-alignment, simplifying and reducing installation/maintenance time in the field for service engineers
- Positive audible locking sound when inserting the connector provides assurance of positive mating
- Coordinated colors & designs on both headers, receptacle housings & tools prevents human errors and increases throughput during manufacturing processes



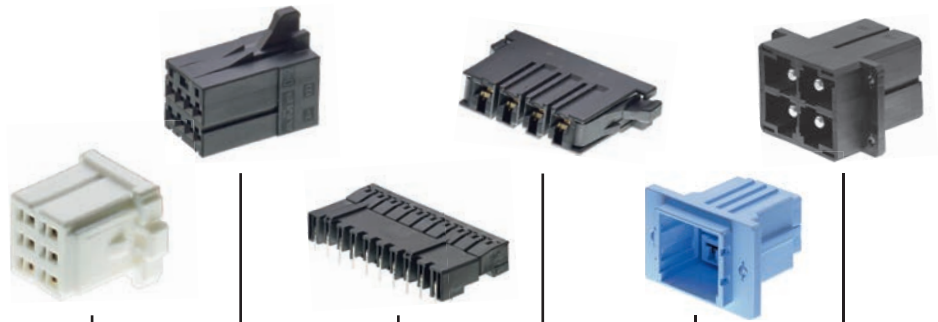
### Flexibility

- Diverse housings and different position sizes support maximum design flexibility
- Tooling options available for semi-automated termination, as well as hand tools for field termination and repair



## DYNAMIC SERIES FAMILY COVERS APPLICATIONS UP TO 65A WITH VARIETY OF SUB-CATEGORIES

Its platform design is suitable for a broad range of applications requiring low level signal through high current power circuits. The centralized wiring system saves time and money by offering a modular capability to expand as needed.



| Series                             |                | D1000  | D2000  | D3000   | D4000 | D5000  | D7000 |
|------------------------------------|----------------|--------|--------|---------|-------|--------|-------|
| Maximum Rating (A)                 |                | 5      | 5      | 15      | 24    | 45     | 65    |
| Maximum Rating (V)                 |                | 250    | 250    | 600     | 600   | 630    | 630   |
| Maximum Durability (Mating Cycles) |                | 50     | 500    | 500     | 25    | 50     | 20    |
| IP Protection Class                |                |        |        |         |       | 10, 20 | 20    |
| <b>x100</b>                        | Standard       | 4-44 ● | 3-50 ● | 3-20 ●  |       |        | 4 ●   |
| <b>x200</b>                        | High Voltage   | 2-20 ● |        | 2-20 ●  | 2-6 ● | 2-8 ●  |       |
| <b>x300</b>                        | Reverse        |        |        |         |       | 3-4 ●  | 4 ●   |
| <b>x400</b>                        | Sky Scraper    |        |        | 12-20 ● |       |        |       |
| <b>x500</b>                        | Module         | 3-36 ● |        | 2-20 ●  |       |        |       |
| <b>x600</b>                        | Hybrid         |        | 48 ●   |         |       |        |       |
| <b>x700</b>                        | Motor          |        |        | 6 ●     |       |        |       |
| <b>x800</b>                        | HTS Module     |        | 30 ●   | 12 ●    | 8 ●   | 4 ●    |       |
| <b>x900</b>                        | Spring Clamp   | 8-38 ● |        | 3-11 ●  |       |        |       |
| Cable Clamp                        |                | 10 ●   |        |         |       | 3-4 ●  | 4 ●   |
| <b>DZ</b>                          | Board to Board |        |        |         |       | 3-7    |       |
| Dynatap                            |                |        |        | 18-24 ● |       | 12 ●   |       |

Not all types of Dynamic series are shown in this guide. For a complete listing please refer to the product catalog # 1-1773732-4.

Available Connector Position Sizes are shown in Orange

Safety Standards: ●

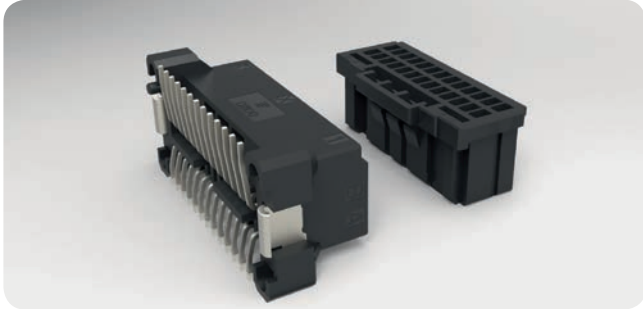
UL: E28476

CSA: LR7189

## INTRODUCING OUR TECHNOLOGICAL ACHIEVEMENTS

DYNAMIC Series offers solutions for all your industrial control needs both inside and outside the cabinet in a ruggedized, industrialized package.

### SMT Type



DYNAMIC SMT connectors are designed to meet the growing demand for a reliable, low cost, reflow solder capable part. Special designed retention legs increase the strength on the circuit board. The SMT type can withstand a maximum temperature of 245°C.

| Surface Mount Technology (SMT)-Type              | Part Number                 |
|--------------------------------------------------|-----------------------------|
| D1100D - Board Mounted Header Assembly (26 Pos.) | <a href="#">1-1939995-3</a> |
| D1100D - Receptacle Housing (26 Pos.)            | <a href="#">1-1827863-3</a> |

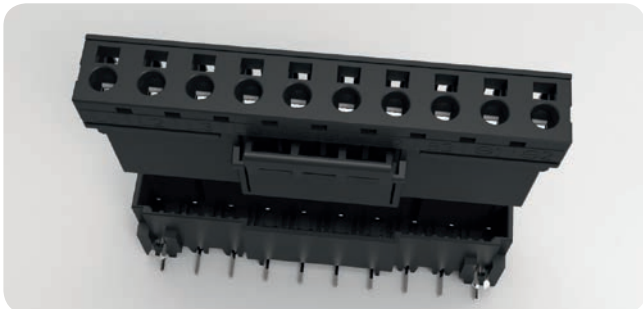
### x600 - Hybrid Type



DYNAMIC Hybrid connectors combine power and signal lines which can dramatically improve productivity by reducing assembly steps. Along with being able to mate different size wires at one time, it contributes to more compact size and makes maintenance more efficient.

| Dynamic 2600 Hybrid                             | Part Number               |
|-------------------------------------------------|---------------------------|
| D2600 - Board Mounted Header Assembly (48 Pos.) | <a href="#">1827538-1</a> |
| D2600 - Receptacle Housing (48 Pos.)            | <a href="#">1827540-1</a> |

### x900 - Spring Clamp Type



DYNAMIC spring clamp version is a screw-less, crimp-less connector. Comparing it with traditional crimping types of Dynamic, the spring clamp brings the customer a quick on-site connection with no need for crimp tooling. This is necessary for some applications where the end user must do the wiring. It provides installers a quick and easy way to terminate wires in the field which saves both time and labor. Moreover, the DYNAMIC spring clamp version has all the similar features of the existing crimp type including keying, audible locking and vibration resistance.

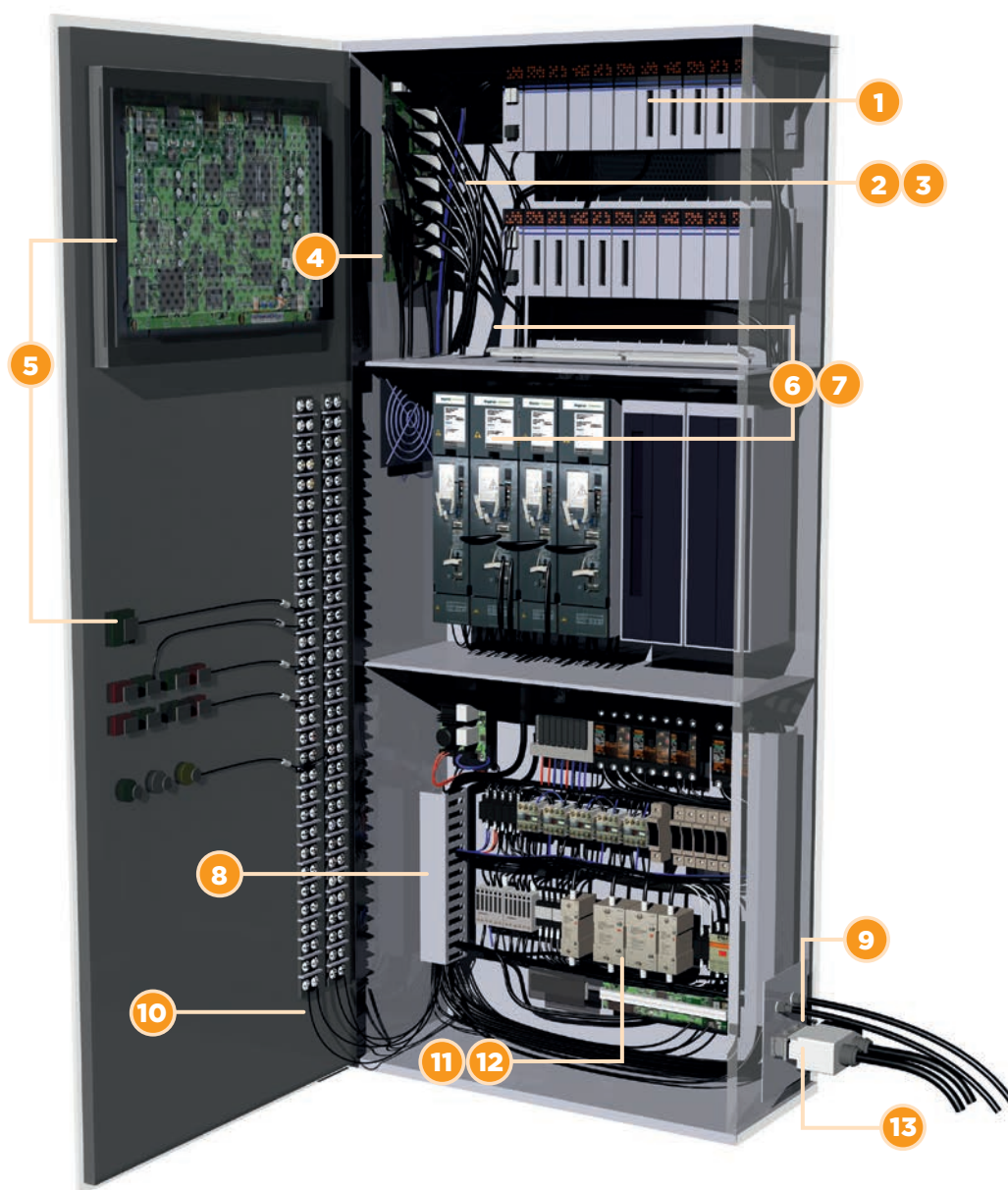
| 3900 Spring Clamp Connector*                | Part Number                 |
|---------------------------------------------|-----------------------------|
| 3900 Board Mount Header 10 Pos. X Keyed     | <a href="#">1-2013519-0</a> |
| 3900 Spring Receptacle Assy 3 Pos. X Keyed  | <a href="#">1-2134249-3</a> |
| 3900 Board Mount Header 3 Pos. X Keyed      | <a href="#">1-2013519-3</a> |
| 3900 Spring Receptacle Assy 10 Pos. X Keyed | <a href="#">1-2134249-0</a> |
| 3900 Spring Clamp Opener Tool               | <a href="#">1981045</a>     |

\*Other position sizes available please refer to the product catalog # 1-1773721-4.



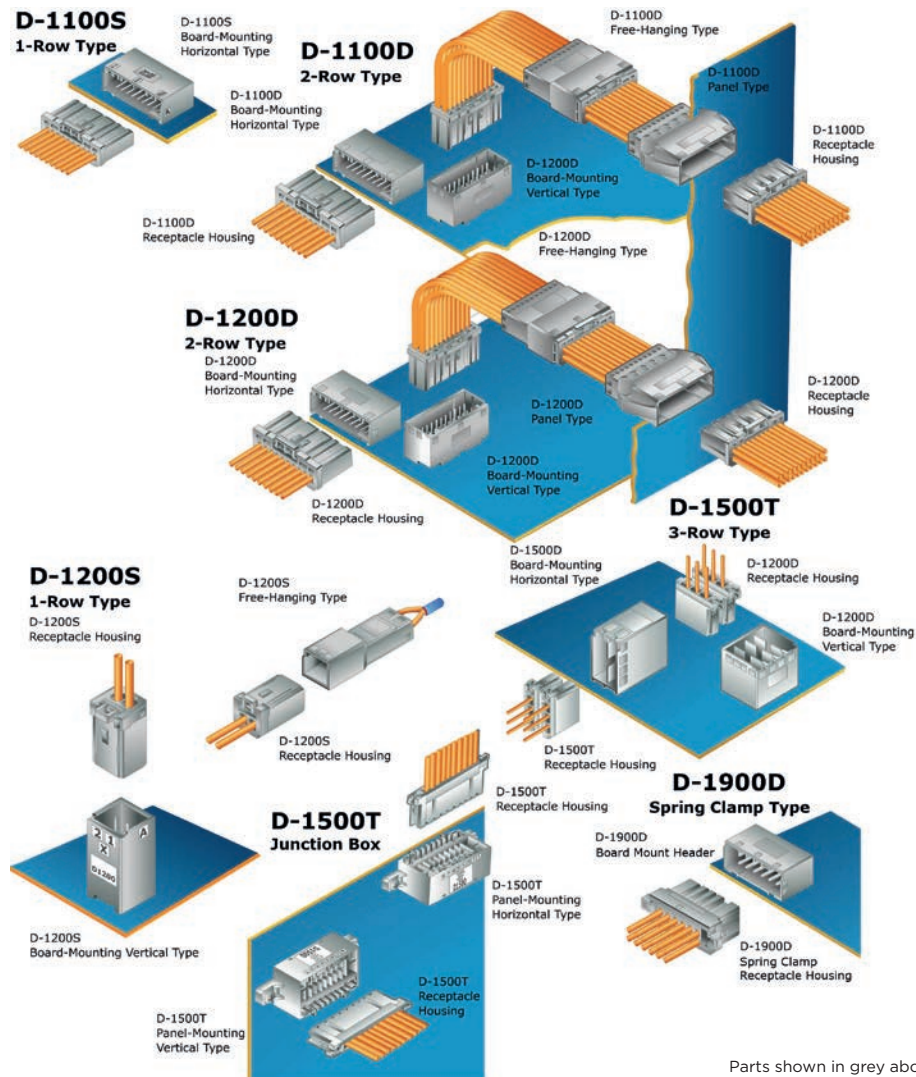
| 5900 Spring Clamp Connector*               | Part Number                 |
|--------------------------------------------|-----------------------------|
| 5900 Board Mount Header 4 Pos. X Keyed     | <a href="#">4-2260661-1</a> |
| 5900 Spring Receptacle Assy 4 Pos. X Keyed | <a href="#">4-2260663-1</a> |
| 5900 Board Mount Header 6 Pos. X Keyed     | <a href="#">6-2260661-1</a> |
| 5900 Spring Receptacle Assy 6 Pos. X Keyed | <a href="#">6-2260663-1</a> |
| 5900 Spring Clamp Opener Tool              | <a href="#">2260828-1</a>   |

## CONTROL CABINET APPLICATIONS



| No | Application                                     | DYNAMIC Series Product |
|----|-------------------------------------------------|------------------------|
| 1  | Controller/PLC                                  | D3100 Series           |
| 2  | Wire to board for power application (up to 15A) | D3100 Series           |
| 3  | Power Supply board-to-board                     | DZ5200 Series          |
| 4  | Power outlet (middle power)                     | Dynatap 3200           |
| 5  | Human Machine Interfaces                        | D1100 Series           |
| 6  | Wire to board (multi position)                  | D1100 Series           |
| 7  | Wire to board for signal application            | D1200 Series           |
| 8  | Wire to board for signal application            | D2000 Series           |
| 9  | Cabinet I/O and power distribution              | Dynamic HTS Module     |
| 10 | Sensor I/O                                      | D1500 Series           |
| 11 | Wire to board for power application (up to 30A) | D5200 Series           |
| 12 | Wire to board for power application (up to 20A) | D4200 Series           |
| 13 | Power outlet (high power)                       | D7100 Series           |

## SIGNAL APPLICATION D-1000 SERIES



Parts shown in grey above are actually black in color

| Type*                                    | Receptacle Housing          | Tab Housing           | Part Number                 | Board Mount Header | Part Number                 |
|------------------------------------------|-----------------------------|-----------------------|-----------------------------|--------------------|-----------------------------|
| D-1100S 1-Row Type (10 Pos.)             | <a href="#">1-1939758-0</a> | Panel Type            | -                           | Horizontal Type    | <a href="#">1-1939760-0</a> |
|                                          |                             | Free-Hanging Type     | -                           | Vertical Type      | -                           |
| D-1200S High Voltage 1-Row Type (2 Pos.) | <a href="#">1-1871465-2</a> | Free-Hanging Type     | <a href="#">1-1903129-2</a> | Vertical Type      | <a href="#">1-1871468-2</a> |
| D-1100D 2-Row Type (34 Pos.)             | <a href="#">1-1827863-7</a> | Panel Type            | <a href="#">1-1903128-7</a> | Horizontal Type    | <a href="#">1-1939638-7</a> |
|                                          |                             | Free-Hanging Type     | <a href="#">1-1903127-7</a> | Vertical Type      | <a href="#">1-1827872-7</a> |
| D-1200D 2-Row Type (20 Pos.)             | <a href="#">1-1827864-0</a> | Panel Type            | <a href="#">1-1903131-0</a> | Horizontal Type    | <a href="#">1-1827876-0</a> |
|                                          |                             | Free-Hanging Type     | <a href="#">1-1903130-0</a> | Vertical Type      | <a href="#">1-1827875-0</a> |
| D-1500T 3-Row Type (6 Pos.)              | <a href="#">1-2069029-2</a> | Panel Type            | <a href="#">1-2040404-2</a> | Horizontal Type    | <a href="#">1-1827583-2</a> |
|                                          |                             | Free-Hanging Type     | <a href="#">1-2040444-2</a> | Vertical Type      | <a href="#">1-1827581-2</a> |
| D-1500T Junction Box (10 Pos.)           | <a href="#">1971150-1</a>   | Panel Type Horizontal | <a href="#">1971151-1</a>   | -                  | -                           |
|                                          |                             | Panel Type Vertical   | <a href="#">1971151-2</a>   |                    |                             |

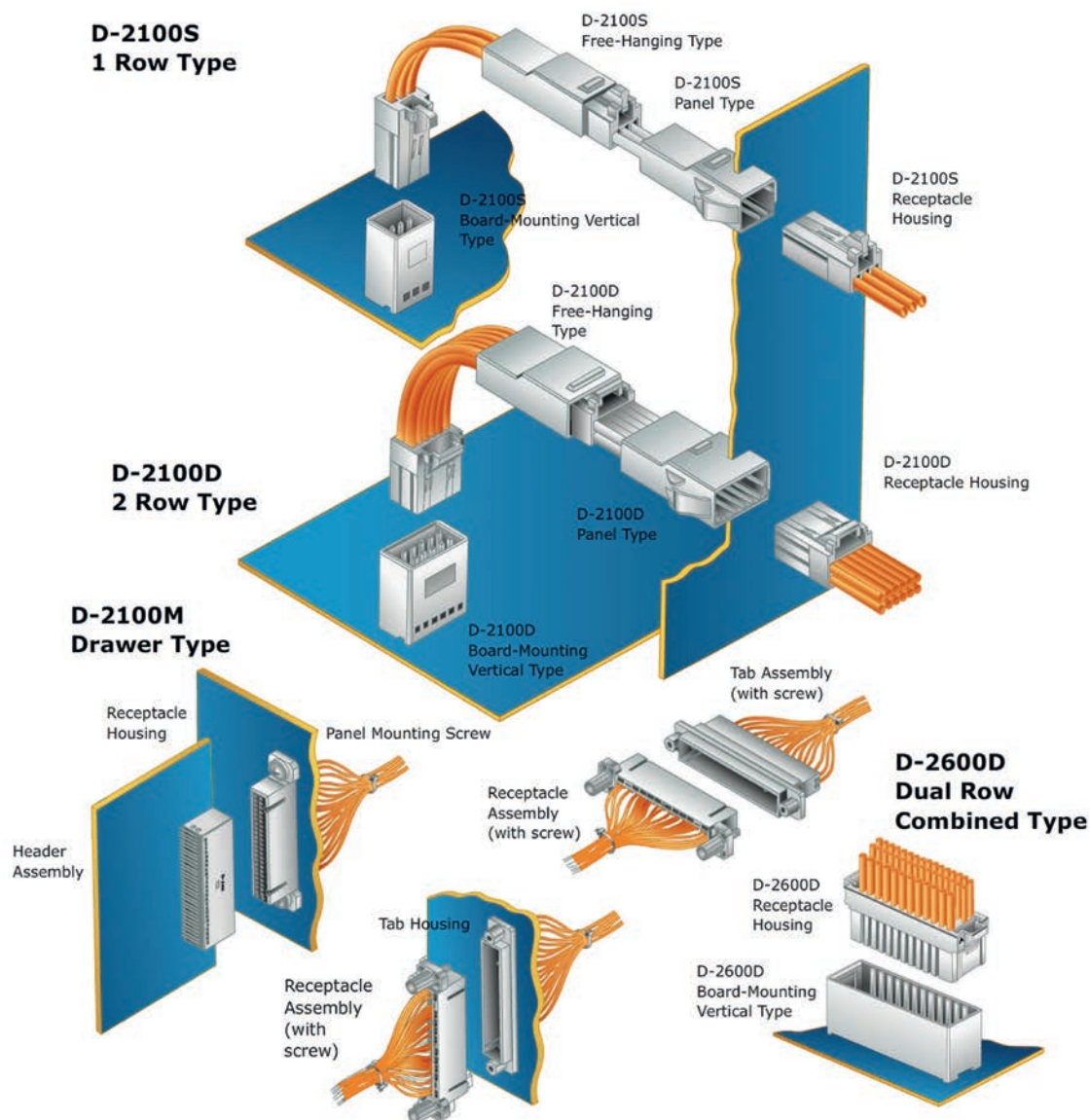
\* Part numbers refer only to the shown position size. For different position sizes and keyings please see catalog 1-1773721-4.

| Spring Clamp Type of the D-1900D (8 Pos.)* | Part Number                 |
|--------------------------------------------|-----------------------------|
| Receptacle Assembly (Spring Type)          | <a href="#">1-1871940-4</a> |
| Board Mount Header (Horizontal)            | <a href="#">1-1871935-4</a> |
| Board Mount Header (Vertical)              | <a href="#">1-2013325-4</a> |
| Spring Clamp Tool                          | <a href="#">1891348-1</a>   |

| Surface Mounted Technology (SMT)-Type**   | Part Number                 |
|-------------------------------------------|-----------------------------|
| D1100D - Board-Mount Tab Header (40 Pos.) | <a href="#">1-1939995-0</a> |
| D1200D - Board-Mount Tab Header (12 Pos.) | <a href="#">1-2013407-6</a> |

\*\* SMT Not Pictured Above

## SIGNAL APPLICATION D-2000 SERIES



Parts shown in grey above are actually black in color

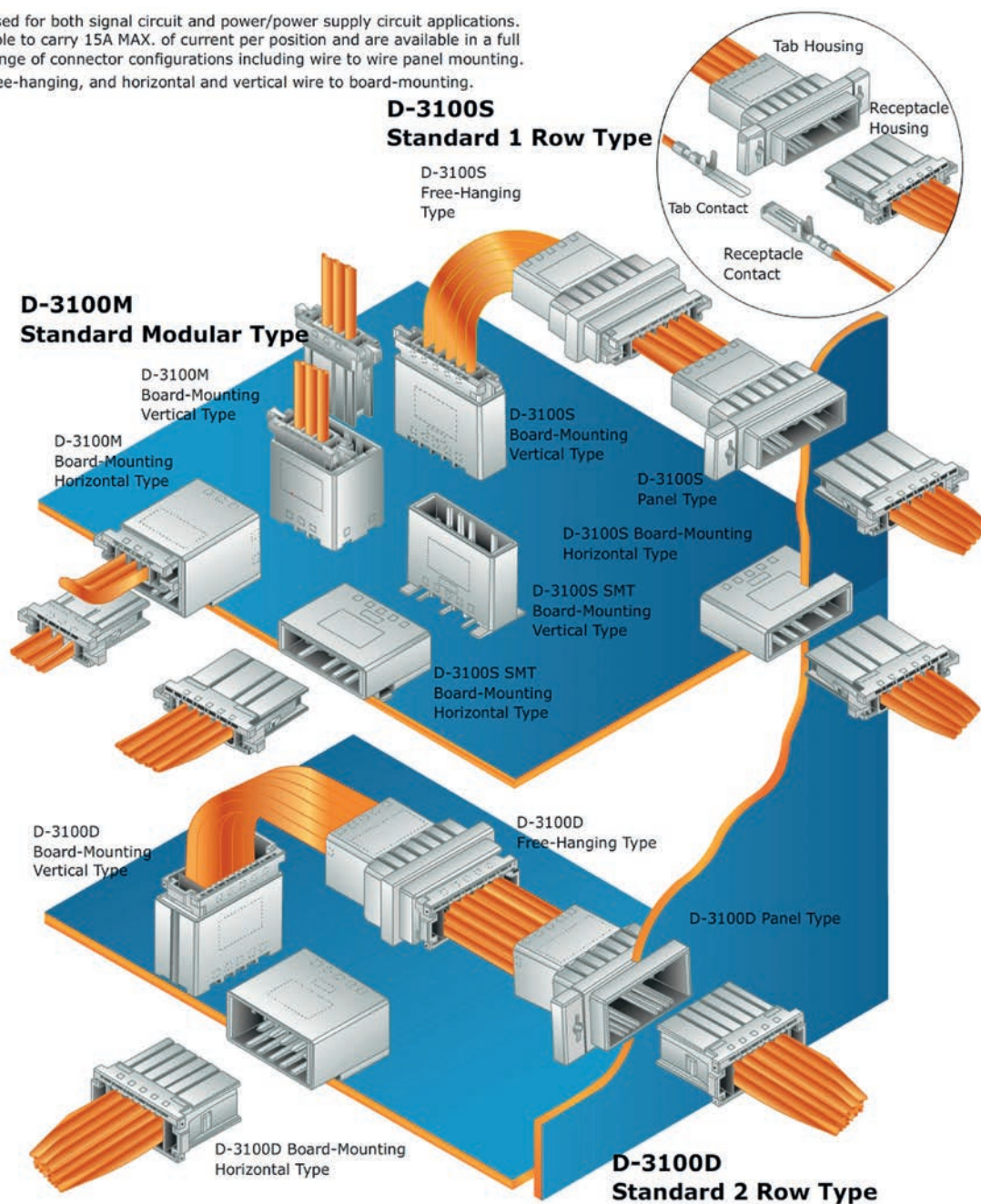
| Type*                                | Receptacle Housing          | Tab Housing       | Part Number                 | Board Mount Header | Part Number               |
|--------------------------------------|-----------------------------|-------------------|-----------------------------|--------------------|---------------------------|
| D-2100S 1-Row Type (3 Pos.)          | <a href="#">1-1318120-3</a> | Panel             | <a href="#">1-1318116-3</a> | Horizontal         | <a href="#">1376135-1</a> |
|                                      |                             | Free-Hanging Type | <a href="#">1-1318117-3</a> | Vertical           | <a href="#">1318123-1</a> |
| D-2100D 2-Row Type (8 Pos.)          | <a href="#">1-1318119-4</a> | Panel             | <a href="#">1-1318114-4</a> | Horizontal         | <a href="#">1376009-1</a> |
|                                      |                             | Free-Hanging Type | <a href="#">1-1318115-4</a> | Vertical           | <a href="#">1318125-1</a> |
| D-2600 2-Row Combined Type (48 Pos.) | <a href="#">1827540-1</a>   | -                 | -                           | Vertical           | <a href="#">1827538-1</a> |

\* Part numbers refer only to the shown position size. For different position sizes and keyings please see catalog # 1-1773721-4.

| D-2100M Drawer Type (50 Pos.)    | Part Number               |
|----------------------------------|---------------------------|
| Receptacle Housing               | <a href="#">1318577-1</a> |
| Board Mount Header               | <a href="#">1318579-1</a> |
| Receptacle Assembly (with screw) | <a href="#">1376072-2</a> |
| Tab Housing Panel Type           | <a href="#">1318578-1</a> |
| Tab Assembly (with screw)        | <a href="#">1376073-2</a> |
| Panel Mounting Screw             | <a href="#">1376059-1</a> |

## SIGNAL AND POWER APPLICATION D-3000 SERIES

Used for both signal circuit and power/power supply circuit applications. Able to carry 15A MAX. of current per position and are available in a full range of connector configurations including wire to wire panel mounting, free-hanging, and horizontal and vertical wire to board-mounting.

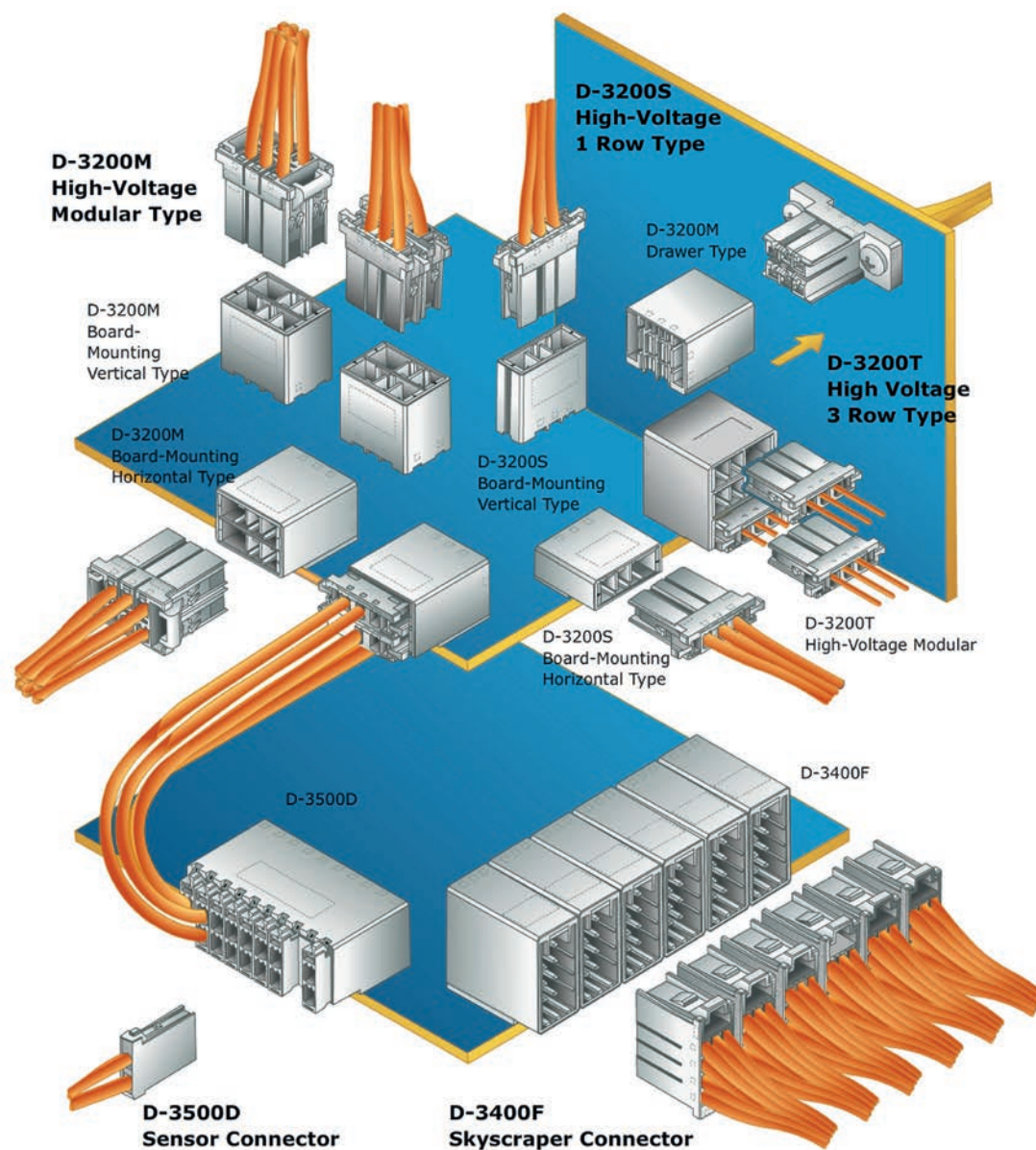


Parts shown in grey above are actually black in color

| Type*                                      | Receptacle Housing         | Tab Housing       | Part Number                | Board Mount Header | Part Number                |
|--------------------------------------------|----------------------------|-------------------|----------------------------|--------------------|----------------------------|
| <b>D-3100S 1-Row Type (3 Pos.)</b>         | <a href="#">1-178288-3</a> | Panel Type        | <a href="#">1-178802-3</a> | Horizontal Type    | <a href="#">1-178293-2</a> |
|                                            |                            | Free-Hanging Type | <a href="#">1-177648-3</a> | Vertical Type      | <a href="#">1-178313-2</a> |
| <b>D-3100M Modular 2-Row Type (6 Pos.)</b> | <a href="#">1-178288-3</a> | Panel Type        | -                          | Horizontal Type    | <a href="#">1-178137-2</a> |
|                                            |                            | Free-Hanging Type | -                          | Vertical Type      | <a href="#">1-178141-2</a> |
| <b>D-3100D 2-Row Type (6 Pos.)</b>         | <a href="#">178289-3</a>   | Panel Type        | <a href="#">178803-3</a>   | Horizontal Type    | <a href="#">178303-2</a>   |
|                                            |                            | Free-Hanging Type | <a href="#">178964-3</a>   | Vertical Type      | <a href="#">178323-2</a>   |
| <b>D-3100S SMT Type (5 Pos.)</b>           | <a href="#">1-178288-5</a> | Panel Type        | -                          | Horizontal Type    | <a href="#">1-177662-2</a> |
|                                            |                            | Free-Hanging Type | -                          | Vertical Type      | <a href="#">1-177665-2</a> |

\* Part numbers refer only to the shown position size. For different position sizes and keyings please see catalog # 1-1773721-4.

## SIGNAL AND POWER APPLICATION D-3000 SERIES



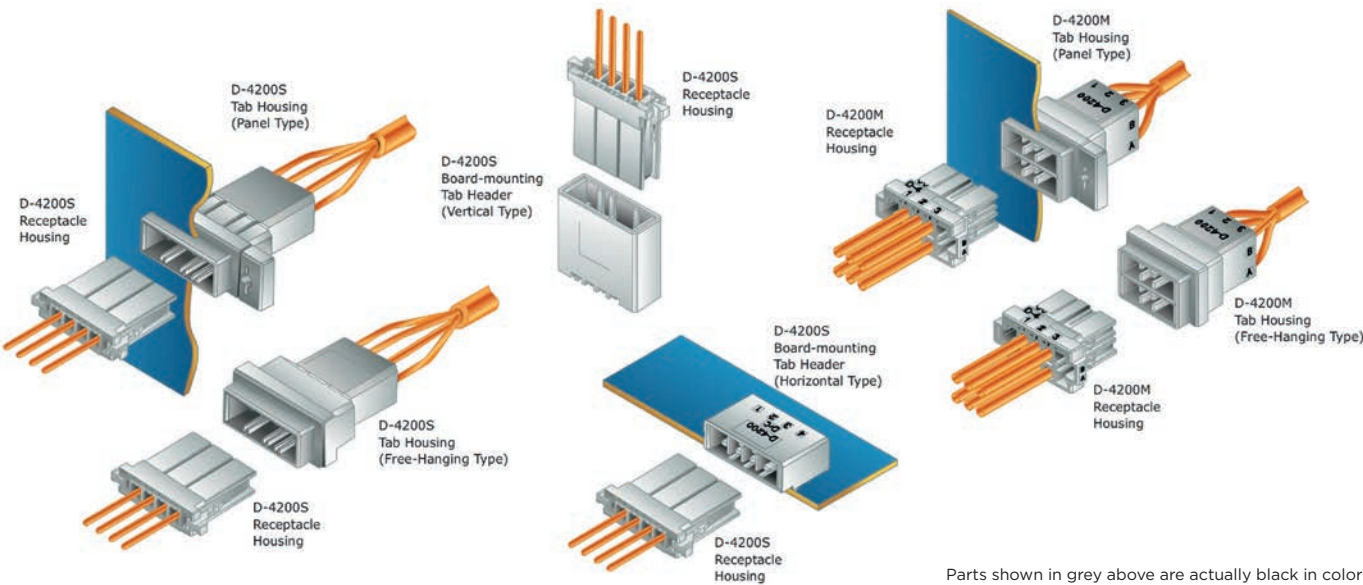
Parts shown in grey above are actually black in color

| Type*                                      | Receptacle Housing         | Tab Housing       | Part Number                | Board Mount Header | Part Number                 |
|--------------------------------------------|----------------------------|-------------------|----------------------------|--------------------|-----------------------------|
| D-3200S High-Voltage 1-Row Type (4 Pos.)   | <a href="#">1-178128-4</a> | Panel Type        | <a href="#">1-179553-4</a> | Horizontal Type    | <a href="#">1-179277-2</a>  |
|                                            |                            | Free-Hanging Type | <a href="#">1-179552-4</a> | Vertical Type      | <a href="#">1-917338-2</a>  |
| D-3200M High-Voltage Modular Type (6 Pos.) | <a href="#">1-178129-6</a> | Panel Type        | <a href="#">1-179555-3</a> | Horizontal Type    | <a href="#">1-178139-2</a>  |
|                                            |                            | Free-Hanging Type | <a href="#">1-179554-3</a> | Vertical Type      | <a href="#">1-178140-2</a>  |
| D-3200T High Pressure 3-Row Type (9 Pos.)  | <a href="#">1-178128-3</a> | Panel Type        | -                          | Horizontal Type    | <a href="#">1-1123624-2</a> |
| D-3400F Scyscraper Type (20 Pos.)          | <a href="#">917249-1</a>   | Panel Type        | -                          | Horizontal Type    | <a href="#">917251-2</a>    |
| D-3500D Sensor Connector Type (12 Pos.)    | <a href="#">175362-1</a>   | Panel Type        | <a href="#">917241-6</a>   | Horizontal Type    | <a href="#">177555-2</a>    |
|                                            |                            | Free-Hanging type | <a href="#">917242-6</a>   | Vertical Type      | <a href="#">316516-2</a>    |
| D-3700 Motor Connector**                   | <a href="#">176346-7</a>   | -                 | -                          | -                  | -                           |

\* Part numbers refer only to the shown position size. For different position sizes and keyings please see catalog # 1-1773721-4.

\*\* Not Pictured Above.

POWER APPLICATION D-4000 SERIES

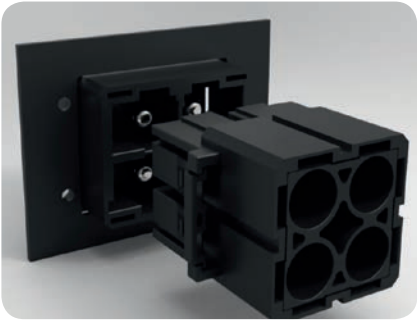


| Type*                                        | Receptacle Housing          | Tab Housing       | Part Number                 | Board Mount Header | Part Number                 |
|----------------------------------------------|-----------------------------|-------------------|-----------------------------|--------------------|-----------------------------|
| D-4200S High Current 1-Row Type (4 Pos.)     | <a href="#">1-1747276-4</a> | Panel             | <a href="#">1-1747535-4</a> | Horizontal         | <a href="#">1-1903328-4</a> |
|                                              |                             | Free-Hanging Type | <a href="#">1-1747414-4</a> | Vertical           | <a href="#">1-1747277-4</a> |
| D-4200M Standard Modular 2-Row Type (6 Pos.) | <a href="#">1-1903329-3</a> | Panel             | <a href="#">1-1903331-3</a> | -                  |                             |
|                                              |                             | Free-Hanging Type | <a href="#">1-1903330-3</a> |                    |                             |

\* Part numbers refer only to the shown position size. For different position sizes and keyings please see catalog # 1-1773721-4.

POWER APPLICATION D-7000 SERIES

Pin and Socket Housings



Pin Contact



Socket Contact



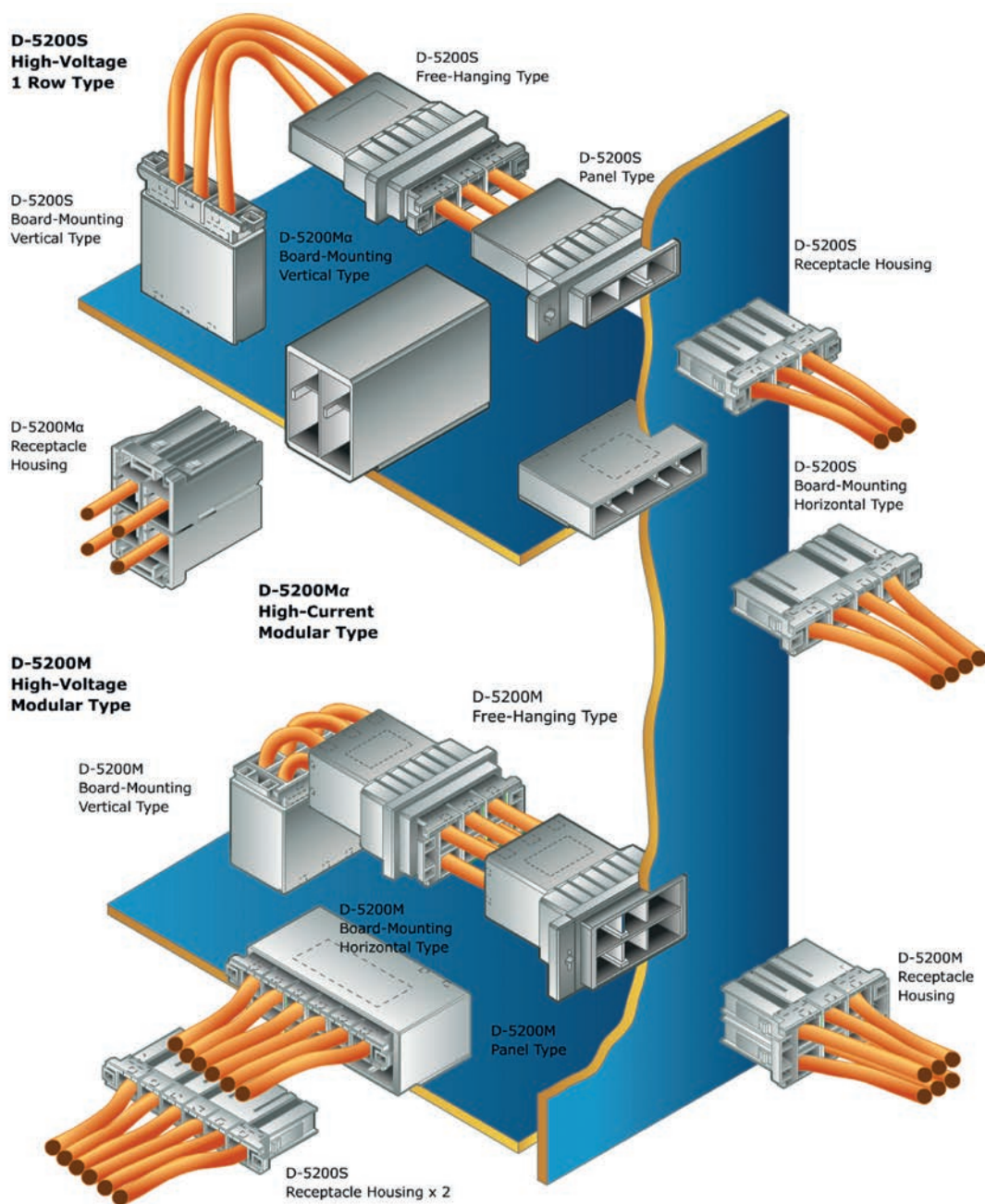
| Type   | Pos. | Part                              | Part Number               |
|--------|------|-----------------------------------|---------------------------|
| D-7100 | 4    | Socket Housing                    | <a href="#">2134055-1</a> |
|        |      | Pin Housing                       | <a href="#">2134057-1</a> |
|        |      | Board Mount Header (Horizontal)   | <a href="#">1981823-1</a> |
| D-7300 | 4    | Socket Housing                    | <a href="#">2134059-1</a> |
|        |      | Pin Housing                       | <a href="#">2134061-1</a> |
|        |      | Board Mounted Header (Horizontal) | <a href="#">1981823-1</a> |

| AWG* | Socket Contact            | Pin Contact               |
|------|---------------------------|---------------------------|
| 8    | <a href="#">1871132-2</a> | <a href="#">1871131-2</a> |

\* For other AWG numbers please refer to product catalog # 1-1773721-4.

| Cable Ins. Diameter | Dyna-Clamp D7100            | Dyna-Clamp D7300            |
|---------------------|-----------------------------|-----------------------------|
| 19-25 mm            | <a href="#">2-2069313-1</a> | <a href="#">2-2069312-1</a> |
| 25-31 mm            | <a href="#">1-2069313-1</a> | <a href="#">1-2069312-1</a> |

## POWER APPLICATION D-5000 SERIES



Parts shown in grey above are actually black in color

| Type*                                                    | Receptacle Housing          | Tab Housing       | Part Number                 | Board Mount Header | Part Number                 |
|----------------------------------------------------------|-----------------------------|-------------------|-----------------------------|--------------------|-----------------------------|
| D-5200S High-Voltage 1-Row Type (2 Pos.)                 | <a href="#">1-179958-2</a>  | Panel             | <a href="#">1-353047-2</a>  | Horizontal         | <a href="#">1-353079-2</a>  |
|                                                          |                             | Free-Hanging Type | <a href="#">1-353046-2</a>  | Vertical           | <a href="#">1-353080-2</a>  |
| D-5200M High-Voltage Modular Type (4 Pos.)               | <a href="#">1-917807-2</a>  | Panel             | <a href="#">1-917809-2</a>  | Horizontal         | <a href="#">1-1123309-2</a> |
|                                                          |                             | Free-Hanging Type | <a href="#">1-917808-2</a>  | Vertical           | <a href="#">1-1981458-6</a> |
| D-5200Mα High-Current/High-Voltage Modular Type (4 Pos.) |                             | -                 | -                           | Horizontal         | <a href="#">1-1318983-6</a> |
|                                                          |                             |                   |                             | Vertical           | -                           |
| D-5300 Reversed Installation Type (4 Pos.)**             | <a href="#">1-1747822-2</a> | Free-Hanging Type | <a href="#">1-1747820-2</a> | -                  | -                           |

\* Part numbers refer only to the shown position size. For different position sizes and keyings please see catalog # 1-1773721-4.

\*\* Not Pictured Above.

## APPLICATION TOOLING

DYNAMIC Series includes several tooling solutions for automated termination, manual field termination as well as wire preparation equipment. For more information about the tooling & service options please go to <http://www.te.com/en/products/application-tooling.html> and choose your region.

### Hand Tools



| Series*              | Part Number               |
|----------------------|---------------------------|
| D-1000 Series AWG 30 | <a href="#">2255139-1</a> |
| D-2000 Series AWG 28 | <a href="#">2255143-1</a> |
| D-3000 Series AWG 28 | <a href="#">2255146-1</a> |
| D-4000 Series AWG 16 | <a href="#">1762130-1</a> |
| D-5000 Series AWG 16 | <a href="#">91596-1</a>   |
| D-7000 Series AWG 16 | <a href="#">409777-1</a>  |

\* Tables above showing only smallest AWG sizes available.  
For different sizes and part numbers please see catalog # 1-1773721-4.

### Mini Application Tools



| Series*              | Part Number               |
|----------------------|---------------------------|
| D-1000 Series AWG 30 | <a href="#">2114042-2</a> |
| D-2000 Series AWG 28 | <a href="#">2151240-1</a> |
| D-3000 Series AWG 28 | <a href="#">2088631-2</a> |
| D-4000 Series AWG 16 | <a href="#">1762120-2</a> |
| D-5000 Series AWG 20 | <a href="#">1528106-2</a> |
| D-7000 Series AWG 12 | Not Applicable            |

### AMP-3K/40 and AMP-5K/40 Terminating Machines



| Model                      | Part Number                 |
|----------------------------|-----------------------------|
| AMP 3K - Universal Mounted | <a href="#">1725950-3</a>   |
| AMP 5K - Universal Mounted | <a href="#">1725900-3</a>   |
| AMP 3K - Quick Mounted     | <a href="#">1-1725950-2</a> |
| AMP 5K - Quick Mounted     | <a href="#">1-1725900-2</a> |

Request Catalog # 1654856 for specifications and part numbers

### AMP-O-LECTRIC Model G Terminating Machine



| Model                               | Application using Crimp Quality Monitoring | Application NOT using Crimp Quality Monitoring |
|-------------------------------------|--------------------------------------------|------------------------------------------------|
| Terminator with Manual Crimp Adjust | <a href="#">1-356462-4</a>                 | <a href="#">356462-2</a>                       |
| CQM II Kit                          | <a href="#">2161280-1</a>                  | Not Applicable                                 |

Request Catalog # 889021 for specifications and part numbers

## PRODUCT AND APPLICATION SPECIFICATIONS OVERVIEW

For product samples and more information about how to use the document numbers below go to [www.te.com](http://www.te.com) or [www.te.com/products/dynamicseries](http://www.te.com/products/dynamicseries).

| Series           | Designation | Description                     | Product Specification                               | Application Specification |
|------------------|-------------|---------------------------------|-----------------------------------------------------|---------------------------|
| 1000             | 1100S       | Standard 1-Row                  | 108-78268 (Gold Plating)<br>108-78298 (Tin Plating) | 114-5377                  |
|                  | 1100D       | Standard 2-Row                  |                                                     |                           |
|                  | 1100 SMT    | Surface Mount                   | 108-78414                                           |                           |
|                  | 1200S       | High Voltage 1-Row              | 108-78268 (Gold Plating)<br>108-78298 (Tin Plating) |                           |
|                  | 1200D       | High Voltage 2-Row              |                                                     |                           |
|                  | 1500T       | Junction Box                    |                                                     |                           |
|                  | 1900        | Spring Clamp                    |                                                     |                           |
| 2000             | 2100S       | Standard 1-Row                  | 108-5619                                            | 114-5258                  |
|                  | 2100D       | Standard 2-Row                  |                                                     |                           |
|                  | 2100M       | Drawer                          | 108-5659                                            |                           |
|                  | 2600D       | Hybrid of Power and Signal Line | 108-78301                                           |                           |
|                  | 2800        | HTS Module                      | 108-78284                                           |                           |
| 3000             | 3100S       | Standard 1-Row                  | 108-5349                                            | 114-5148                  |
|                  | 3100D       | Standard 2-Row                  |                                                     |                           |
|                  | 3100M       | Standard Modular                |                                                     |                           |
|                  | 3200S       | High Voltage 1-Row              |                                                     |                           |
|                  | 3200M       | High Voltage Modular            |                                                     |                           |
|                  | 3200T       | High Voltage 3-Row              |                                                     |                           |
|                  | 3400F       | Skyscraper Connector            |                                                     |                           |
|                  | 3500D       | Sensor Connector                |                                                     |                           |
|                  | 3700        | Motor Connector                 |                                                     |                           |
|                  | 3800        | HTS Module                      | 108-78285                                           |                           |
|                  | 3900        | Spring Clamp                    | 108-78400                                           |                           |
|                  | 3950        | Spring Clamp                    | 108-78997                                           |                           |
| 4000             | 4200S       | Standard                        | 108-78182                                           | 114-5369                  |
|                  | 4200M       | Module                          |                                                     |                           |
|                  | 4800        | HTS Module                      | 108-78388                                           |                           |
| 5000             | 5200S       | Standard                        | 108-5453                                            | 114-5206                  |
|                  | 5200M       | High Voltage                    |                                                     |                           |
|                  | 5200Ma      | High Current                    |                                                     |                           |
|                  | 5300S       | Reversed Housing 1-Row          |                                                     |                           |
|                  | 5300D       | Reversed Housing 2-Row          |                                                     |                           |
|                  | 5800        | HTS Module                      | 108-78389                                           |                           |
|                  | DZ-5200     | Board to Board                  | 108-78186                                           | -                         |
|                  | 5900        | Spring Clamp                    | 108-140022                                          | 114-5206                  |
| 7000             | 7100        | Standard                        | 108-78470                                           | 114-5452                  |
|                  | 7300        | Reversed Housing                |                                                     |                           |
| Special Products |             | Dynamic Pneumatic               | 108-78406                                           | -                         |
|                  |             | Multiple Enclosure              | 108-78417                                           | 114-5377                  |
|                  |             | Dynatap                         | 108-78370                                           | 114-5206                  |

## Questions that will help you better select the product that you need:

### What are the current and voltage requirements for your applications?

The Dynamic series connector family has different series that can handle between 3 and 65 amps as well as 125 volts up to 630 volts depending on the series

### What is the operating temperature range for your applications?

The Dynamic Series connectors all have an operating range of -55 °C to +105 °C

### Will you need additional keying configurations?

The Dynamic series are available in x,y,z,xx,yy,xy keying configurations to suit your needs.

### Do you need the ability to move equipment for inspection or line changes?

The Dynamic series connectors all feature quick attach and detach housings that produce an audible click when mated. This allows for equipment to be quickly changed and removed for inspection.

### Would you prefer to install wires directly into the housing instead of using crimping tools?

The Dynamic series offers both the 1900 and 3900 series which are both spring clamp versions. These versions negate the need for crimp tooling and operations. In development now are the 5900 and 2900 respective spring clamp versions of 5000 and 2000 series. Also in development is the 3950, which is the new version of the 3900 spring clamp parts.

### Do you need a connection that is rugged and vibration resistant?

The Dynamic series is an extremely rugged connector family and features full box contacts with 3 points of contact for high electrical reliability.

## FOR MORE INFORMATION

### TE Technical Support Center

|                 |                   |              |                    |                 |                     |
|-----------------|-------------------|--------------|--------------------|-----------------|---------------------|
| Internet:       | te.com/help       | Holland:     | +31 73-6246999     | Poland:         | +48 22-4576750      |
| Australia:      | +86 400-820-6015  | Hungary:     | +36 1-2892040      | Portugal:       | +34 91-6630420      |
| Austria:        | +43 1-9056-0      | India:       | +86 400-820-6015   | Russia:         | +74 95-790-790-2200 |
| Belgium:        | +31 73-6246999    | Ireland:     | +1 800-882-391     | Slovakia:       | +42 02-720-11102    |
| Brazil:         | +55 11-2103-6000  | Italy:       | +39 011-4012632    | Slovenia:       | +38 615-602-132     |
| Canada:         | +1 905-475-6222   | Japan:       | +044-844-8052      | South Africa:   | +97 150-457-0806    |
| China:          | +86 400-820-6015  | Korea:       | +02-3415-4607      | Spain:          | +34 932-910-330     |
| Czech Republic: | +42 02-7201-1103  | Latvia:      | +37 2-6778-673     | Sweden:         | +46 8-5072-5000     |
| Denmark:        | +46 8-5072-5000   | Lithuania:   | +37 037426900      | Switzerland:    | +41 71-447-0447     |
| Estonia:        | +37 2677-8673     | Luxembourg:  | +31 73-6246999     | Taiwan:         | +86 400-820-6015    |
| Finland:        | +46 8-5072-5000   | Mexico:      | +52 0 55-1106-0800 | Turkey:         | +90 212-282-6053    |
| France:         | +33 1-34-20-8686  | Netherlands: | +31 73-6246999     | United Kingdom: | +44 0800-267666     |
| Germany:        | +49 6151-607-1999 | New Zealand: | +86 400-820-6015   | USA:            | +1 800-522-6752     |
| Greece:         | +97 1-4-347-0226  | Norway:      | +46 8-5072-5000    |                 |                     |

Part numbers in this brochure are RoHS Compliant\*, unless marked otherwise.

\*as defined [www.te.com/leadfree](http://www.te.com/leadfree)

### [te.com](http://te.com)

© 2014 Tyco Electronics Corporation, a TE Connectivity Ltd. Company. All Rights Reserved.

1-1773721-5 IND WR 09/2014

TE Connectivity and TE connectivity (logo) are trademarks. Other logos, product and/or company names might be trademarks of their respective owners.

While TE has made every reasonable effort to ensure the accuracy of the information in this document, TE does not guarantee that it is error-free, nor does TE make any other representation, warranty or guarantee that the information is accurate, correct, reliable or current. TE reserves the right to make any adjustments to the information contained herein at any time without notice. TE expressly disclaims all implied warranties regarding the information contained herein, including, but not limited to, any implied warranties of merchantability or fitness for a particular purpose. The dimensions in this document are for reference purposes only and are subject to change without notice. Specifications are subject to change without notice. Consult TE for the latest dimensions and design specifications.



# Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[TE Connectivity:](#)

[1-177665-2](#)