

Amphenol

AC SERIES CHASSIS CONNECTORS

THERMOPLASTIC TYPE - IDC (SOLDERLESS)



The Insulation Displacement Contact (IDC) connector is ideal for Original Equipment Manufacturers and end users alike and offers an alternative to our standard solder connector. Connectors can be quickly and easily assembled without screws or a soldering iron – by hand. Labour savings of up to 60% in termination time can be achieved.

Recommended Cable Specifications: Page 65

Features:

- Thermoplastic Shell.
- Optional “D”, “P” or Dual Housing flange sizes.
- Insulation Displacement Contacts (IDC)
- Stamped contacts.
- Leading first mate last break socket contact.
- Positive latch lock system.
- Coloured housings available as specials.

Options: Gold plated contacts, Bulk Pack, Latching or Non-latching
Part Number Breakdown: Page 64 Specifications: Page 65
Assembly Instructions: Page 67 Panel Cutouts: Page 66

| PRODUCT - FIGURE | DRAWING | Dimensions in mm (inches) | DESCRIPTION | VARIATIONS | PART NUMBER |
|------------------|---------|---------------------------|---|-------------------|----------------|
| | | | XLR 3 pole male, D Flange, IDC contacts, Thermoplastic shell | Standard | AC3MDPI |
| | | | | Bulk Pack | AC3MDPI BULK |
| | | | | Non-Latching | AC3MDPIL |
| | | | | Non-Latching Bulk | AC3MDPIL BULK |
| | | | XLR 3 pole female, D Flange, IDC contacts, Thermoplastic shell | Standard | AC3FDPI |
| | | | | Bulk Pack | AC3FDPI BULK |
| | | | | Non-Latching | AC3FDPIL |
| | | | | Non-Latching Bulk | AC3FDPIL BULK |
| | | | XLR 3 pole male, Wide Flange, IDC contacts, Thermoplastic shell | Standard | AC3MPPI |
| | | | | Bulk Pack | AC3MPPI BULK |
| | | | | Non-Latching | AC3MPPI L |
| | | | | Non-Latching Bulk | AC3MPPI L BULK |
| | | | XLR 3 pole female, Wide Flange, IDC contacts, Thermoplastic shell | Standard | AC3FPPI |
| | | | | Bulk Pack | AC3FPPI BULK |
| | | | | Non-Latching | AC3FPPI L |
| | | | | Non-Latching Bulk | AC3FPPI L BULK |

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| PRODUCT - FIGURE | DRAWING Dimensions in mm (inches) | DESCRIPTION | VARIATIONS | PART NUMBER |
|------------------|--------------------------------------|---|--------------|-------------|
| | | XLR 3 pole male + 3 pole male, Dual Flange, IDC contacts, Thermoplastic shell | Latching | AC3M3MPPI |
| | | | Non-Latching | AC3M3MPPIIL |
| | | XLR 3 pole female + 3 pole male, Dual Flange, IDC contacts, Thermoplastic shell | Latching | AC3F3MPPI |
| | | | Non-Latching | AC3F3MPPIIL |
| | | XLR 3 pole female + 3 pole female, Dual Flange, IDC contacts, Thermoplastic shell | Latching | AC3F3FPPI |
| | | | Non-Latching | AC3F3FPPIIL |
| | | XLR 3 pole male + 3 pole female, Dual Flange, IDC contacts, Thermoplastic shell | Latching | AC3M3FPPI |
| | | | Non-Latching | AC3M3FPPIIL |



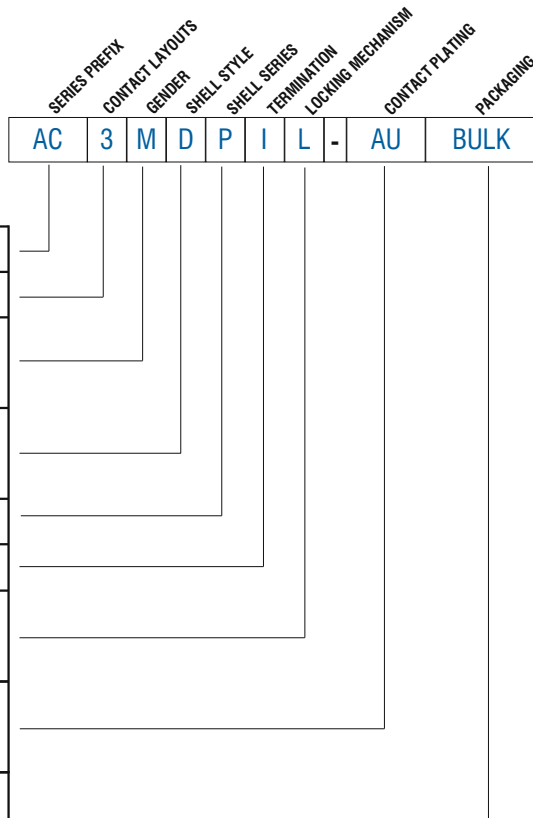
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PART NUMBER BREAKDOWN

IDC D AND P THERMOPLASTIC CHASSIS TYPE

E. G. **AC3MDPIL-AU BULK**
AC (series prefix), **3** contacts, **Male**, **D** Flange, Plastic Shell, IDC, Latchless,
- AU (Gold Plated Contacts), **Bulk** Packaged.

| | | | |
|--------------------------|-------|---|--|
| SERIES PREFIX | AC | = | Series Prefix |
| CONTACT LAYOUT | 3 | = | 3 Contacts only |
| GENDER | F | = | Female Socket Contacts |
| | M | = | Male Pin Contacts |
| SHELL STYLE | D | = | D Flange |
| | P | = | P Flange |
| SHELL SERIES | P | = | Thermoplastic Chassis Series |
| TERMINATION | I | = | IDC Termination |
| LOCKING MECHANISM | Blank | = | Latching |
| | L | = | Latchless |
| CONTACT PLATING | Blank | = | Standard Plating (Silver or Tin - Refer to Standard Data.) |
| | AU | = | Gold Plated Contacts |
| PACKAGING | Blank | = | Individual Bags |
| | BULK | = | Bulk Packed |

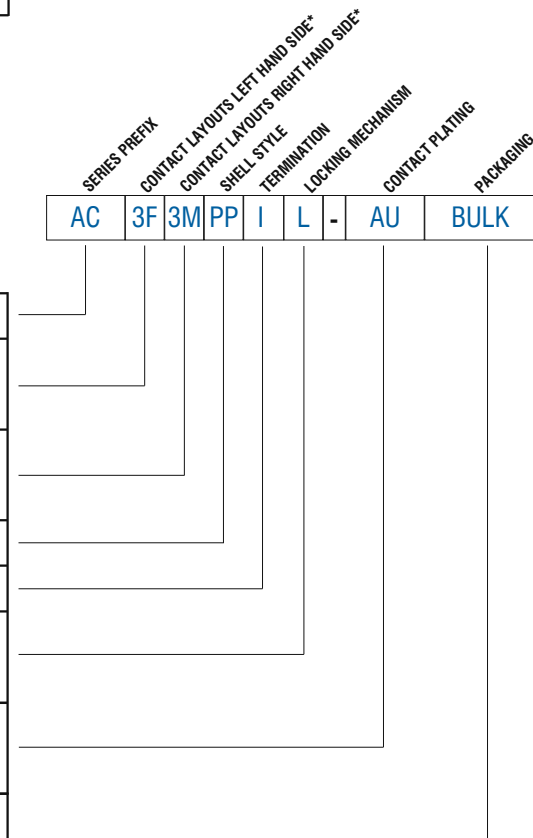


PART NUMBER BREAKDOWN

IDC DUAL THERMOPLASTIC CHASSIS TYPE

E. G. **AC3F3MPPIL-AU BULK**
AC (series prefix), **3F**Female, **3M**Male, **PP** (Dual Thermoplastic Chassis series), IDC,
 Latchless, **- AU** (Gold Plated Contacts), **Bulk** Packaged.

| | | | |
|--|-------|---|--|
| SERIES PREFIX | AC | = | Series Prefix |
| CONTACT LAYOUT LEFT HAND SIDE³⁾ | 3F | = | 3 Female Socket Contacts only |
| | 3M | = | 3 Male Pin Contacts only |
| CONTACT LAYOUT RIGHT HAND SIDE³⁾ | 3F | = | 3 Female Socket Contacts |
| | 3M | = | 3 Male Pin Contacts |
| SHELL STYLE | PP | = | Dual Thermoplastic Chassis Series |
| TERMINATION | I | = | IDC Termination |
| LOCKING MECHANISM | Blank | = | Latching |
| | L | = | Latchless |
| CONTACT PLATING | Blank | = | Standard Plating (Silver or Tin - Refer to Standard Data.) |
| | AU | = | Gold Plated Contacts |
| PACKAGING | Blank | = | Individual Bags |
| | BULK | = | Bulk Packed |



³⁾ Viewed from front of connector.