

INCH-POUND

MIL-C-28754D  
SUPPLEMENT 1  
21 APRIL 1989

MILITARY SPECIFICATION  
CONNECTORS, ELECTRICAL, MODULAR,  
AND COMPONENT PARTS  
GENERAL SPECIFICATION FOR

This supplement forms a part of MIL-C-28754D, dated 21 April 1989.

SPECIFICATION SHEETS

- MIL-C-28754/6 - Connectors, Electrical, Modular, Type IV, 40 Pin, Straight Through.
- MIL-C-28754/7 - Connectors, Electrical, Modular, Type IV, Single Span, Connector Assembly.
- MIL-C-28754/8 - Connectors, Electrical, Modular, Type IV, 40 Pin, Right Angle (For Die Cast Frame).
- MIL-C-28754/9 - Connectors, Electrical, Modular, Type IV, Double Span, Connector Assembly, (Dip Frame).
- MIL-C-28754/10 - Connectors, Electrical, Modular, Connector, Type IV, 40 Pin Contact Tails On 0.050 Centers.

AMSC N/A

FSC 5935

DISTRIBUTION STATEMENT A. Approved for public release; distribution is unlimited.

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- MIL-C-28754/11 - Connectors, Electrical, Modular, Type IV, 40 Pin, Right Angle, (For Solid or Dip Frame).
- MIL-C-28754/12 - Connectors, Electrical, Modular, Connector Assembly, Type IV, Single Span (For Solid or Dip Frame).
- MIL-C-28754/13 - Connectors, Electrical, Modular, Connector Assembly, Type IV, Single Span (Without Guide Ribs).
- MIL-C-28754/14 - Connectors, Electrical, Modular, Connector, Type IV, 20 Pin, Right Angle (For Die Cast Frame).
- MIL-C-28754/15 - Connectors, Electrical, Modular, Crimp Contact, Type V.
- MIL-C-28754/16 - Connectors, Electrical, Modular, Block, 40 Pin, Type V, Straight Through.
- MIL-C-28754/17 - Connectors, Electrical, Modular, Connector Assembly, Type V, Style I, Contact Tails On .100 Centers.
- MIL-C-28754/18 - Connectors, Electrical, Modular, Spacer, Pin, Type IV, Single Span.
- MIL-C-28754/19 - Connectors, Electrical, Modular, Spacer, Pin, Type IV, Single Span.
- MIL-C-28754/20 - Connectors, Electrical, Modular, Spacer, Pin, Type IV, Double Span.
- MIL-C-28754/21 - Connectors, Electrical, Modular, Frame, Casting, Type IV, Double Span.
- MIL-C-28754/22 - Connectors, Electrical, Modular, Frame, Casting, Type IV, Single Span.
- MIL-C-28754/23 - Connectors, Electrical, Modular, Connector Assembly, Type IV, Single Span.

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- MIL-C-28754/24 - Connectors, Electrical, Modular, Pin, Keying.
- \*MIL-C-28754/25 - Connectors, Electrical, Modular, Guide, Retaining.
- \*MIL-C-28754/26 - Connectors, Electrical, Modular, Extractor, Module, Single Span, Styles I and II.
- \*MIL-C-28754/27 - Connectors, Electrical, Modular, Extractor, Module, Double Span, Style I.
- \*MIL-C-28754/28 - Connectors, Electrical, Modular Interface, and Component Parts (Holder, Module Extractor).
- MIL-C-28754/31 - Connectors, Electrical, Modular, Connector Assembly, Type V, 40-Pin, Two Piece Insert, and 20-Pin, One Half, One Piece Insert.
- MIL-C-28754/32 - Connectors, Electrical, Modular, Connector Assembly, Type V, Style I, Slip Lock Cover Plate.
- MIL-C-28754/33 - Connectors, Electrical, Modular, Connector Assembly, Type V, Style II, Slip Lock Cover Plate.
- MIL-C-28754/34 - Connectors, Electrical, Modular, Connector Type III, Female Contact and Insulator Bushing Set, Removable Wire Wrappost Terminal.
- MIL-C-28754/35 - Connectors, Electrical, Modular, Connector Type III, Male Contact and Insulator Bushing Set, Removable Wire Wrappost Terminal.
- MIL-C-28754/36 - Connectors, Electrical, Modular, Connector, Type III, Female Contact and Grounding Bushing Set, Removable Wire Wrappost Terminal.

\* Inactive for new design.

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- MIL-C-28754/37 - Connectors, Electrical, Modular, Connector, Type III, Female Contact and Polarizing Bushing Set, Removable Wire Wrappost Terminal.
- MIL-C-28754/38 - Connectors, Electrical, Modular, Connector, Type III, Wrappost Contact Grounding.
- MIL-C-28754/39 - Connectors, Electrical, Modular, Connector, Type III, Keying Pegs.
- MIL-C-28754/40 - Connectors, Electrical, Modular, Type IV, Connector Assembly, Screw.
- MIL-C-28754/41 - Connectors, Electrical, Modular, Type IV, Connector Assembly, Screw, Insert.
- MIL-C-28754/42 - Connectors, Electrical, Modular, Type IV, Connector, 100 Pin, Contact Tails, On .050 Centers.
- MIL-C-28754/43 - Connectors, Electrical, Modular, Connector Assembly, Type IV, 100 Pin, Double Span, Contact Tails On .050 Centers.
- MIL-C-28754/44 - Connectors, Electrical, Modular, Type IV, 100 Pin, Straight Through, Contact Tails On .100 Centers.
- MIL-C-28754/45 - Connectors, Electrical, Modular, Connector Frame, Type IV, Double-Span.
- MIL-C-28754/46 - Connectors, Electrical, Modular, Connector Assembly, Type IV, 100 Pin, Double-Span.
- MIL-C-28754/47 - Connectors, Electrical, Modular, Connector Assembly, Type IV, 100 Pin, Contact Tails, Right Angle, .050 Centers.

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- MIL-C-28754/48 - Connectors, Electrical, Modular, Type IV, Connector Assembly, Single Span.
- MIL-C-28754/49 - Connectors, Electrical, Modular, Housing.
- MIL-C-28754/50 - Connectors, Electrical, Modular, Insert, Top.
- MIL-C-28754/51 - Connectors, Electrical, Modular, Insert, Bottom.
- MIL-C-28754/52 - Connectors, Electrical, Modular, Housing, Connector Assembly, Style I.
- MIL-C-28754/53 - Connectors, Electrical, Modular, Housing, Connector Assembly, Style II.
- MIL-C-28754/54 - Connectors, Electrical, Modular, Extractor, Module, Styles I and II, Single and Double Span.
- MIL-C-28754/55 - Connectors, Electrical, Modular, Connector Assembly, Type V, Cable Connector, 100 Pin, Contacts On .100 Centers.
- MIL-C-28754/56 - Connectors, Electrical, Modular, Type IV, Connector, 100 Pin, Offset Contact Tails On .050 Centers (Ceramic Compatible).
- MIL-C-28754/57 - Connectors, Electrical, Modular, Type IV, Connector, 100 Pin, Offset Contact Tails On .050 Centers (Modified Frame, Ceramic Compatible).
- MIL-C-28754/58 - Connectors, Electrical, Modular, Type IV, Connector, 100 Pin, Offset Contact Tails On .050 Centers (Modified Frame.)
- MIL-C-28754/59 - Connectors, Electrical, Modular, Type IV, Connector, 100 Pin, Center Contact Tails On .100 Centers (Ceramic Compatible).

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- MIL-C-28754/60 - Connectors, Electrical, Modular, Type IV, Connector, 100 Pin, Center Contact Tails On .100 Centers.
- MIL-C-28754/61 - Connectors, Electrical, Modular, Type IV, Connector, 100 Pin, Center, Crossover, Contact Tails On .050 Centers (Ceramic Compatible).
- MIL-C-28754/62 - Connectors, Electrical, Modular, Type IV, Connector, 100 Pin, Center Crossover, Contact Tails On .050 Centers.
- MIL-C-28754/63 - Connectors, Electrical, Modular, Type IV, Connector, 40 Pin, Offset, Contact Tails On .050 Centers (Ceramic Compatible).
- MIL-C-28754/64 - Connectors, Electrical, Modular, Type IV, Connector, 40 Pin, Offset, Contact Tails On .050 Centers (Modified Frame, Ceramic Compatible).
- MIL-C-28754/65 - Connectors, Electrical, Modular, Type IV, Connector, 40 Pin, Center Contact Tails On .100 Centers (Ceramic Compatible)
- MIL-C-28754/66 - Connectors, Electrical, Modular, Type IV, Connector, 40 Pin Crossover, Contact Tails On .050 Centers (Ceramic Compatible).
- MIL-C-28754/67 - Connectors, Electrical, Modular, Connector Frame, Type IV, Double Span, Center.
- MIL-C-28754/68 - Connectors, Electrical, Modular, Connector Frame, Type IV, Double Span, T-Dip.
- MIL-C-28754/69 - Connectors, Electrical, Modular, Connector Frame, Type IV, Double Span, Offset.
- MIL-C-28754/70 - Connectors, Electrical, Modular, Connector Frame, Type IV, Single Span, Center.

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- MIL-C-28754/71 - Connectors, Electrical, Modular, Connector Frame, Type IV, Single Span, Offset.
- MIL-C-28754/72 - Connectors, Electrical, Modular, Connector Frame, Type IV, Single Span, T-Dip.
- MIL-C-28754/73 - Connectors, Electrical, Modular, Connector Assembly, Type IV, 100 Pin, Double Span, Dip.
- MIL-C-28754/74 - Connectors, Electrical, Modular, Connector Assembly, Type IV, 100 Pin, Double Span, Center.
- MIL-C-28754/75 - Connectors, Electrical, Modular, Connector Assembly, Type IV, 100 Pin, Double Span, Offset.
- MIL-C-28754/76 - Connectors, Electrical, Modular, Connector Assembly, Type IV, 40 Pin, Single Span, Center.
- MIL-C-28754/77 - Connectors, Electrical, Modular, Connector Assembly, Type IV, 40 Pin, Single Span, Offset.
- MIL-C-28754/78 - Connectors, Electrical, Modular, Connector Assembly, Type IV, 40 Pin, Single Span, Dip.
- MIL-C-28754/79 - Connectors, Electrical, Modular, Type III, Female Contact and Insulator Bushing Set, Low Insertion Force (LIF), Removable Wire Wrappost Terminal.
- MIL-C-28754/80 - Connectors, Electrical, Modular, Type III, Female Contact and Grounding Bushing Set, Low Insertion Force (LIF), Removable Wire Wrappost Terminal.
- MIL-C-28754/81 - Connectors, Electrical, Modular, Type III, Female Contact and Polarizing Bushing Set, Low Insertion Force (LIF), Removable Wire Wrappost Terminal.
- MIL-C-28754/82 - Connectors, Electrical, Modular, Type IV, Connector Assembly, Fastener.

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- MIL-C-28754/83 - Connectors, Electrical, Modular, Type IV, Connector, 0.6 Pitch, 250 Contact, Center.
- MIL-C-28754/84 - Connectors, Electrical, Modular, Type IV, Connector, 0.3 Pitch, 100 Contact, Offset.
- MIL-C-28754/85 - Connectors, Electrical, Modular, Type IV, Connector, 0.3 Pitch, 100 Contact, Dip.
- MIL-C-28754/86 - Connectors, Electrical, Modular, Connector Frame, Type IV, Dip.
- MIL-C-28754/87 - Connectors, Electrical, Modular, Connector Frame, Type IV, Center.
- MIL-C-28754/88 - Connectors, Electrical, Modular, Connector Frame, Type IV, Offset, (0.050 Thickness).
- MIL-C-28754/89 - Connectors, Electrical, Modular, Connector Frame, Type IV, Offset, (0.071 Thickness).



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## SUPPLEMENT 1

## CROSS REFERENCE

## TYPE III CONNECTOR:

|         |                                     |                |
|---------|-------------------------------------|----------------|
| Contact | Female and Insulator Bushing        | MIL-C-28754/34 |
| Contact | Female and Grounding Bushing        | MIL-C-28754/36 |
| Contact | Female and Polarizing Bushing       | MIL-C-28754/37 |
| Contact | Male and Insulator Bushing          | MIL-C-28754/35 |
| Contact | Wrappost and Grounding Bushing      | MIL-C-28754/38 |
|         | Keying Pegs                         | MIL-C-28754/39 |
| Contact | Female and Insulator Bushing (LIF)  | MIL-C-28754/79 |
| Contact | Female and Grounding Bushing (LIF)  | MIL-C-28754/80 |
| Contact | Female and Polarizing Bushing (LIF) | MIL-C-28754/81 |

## TYPE IV CONNECTOR ASSEMBLIES

|             |                              |                |
|-------------|------------------------------|----------------|
| Single Span | Dip or Solid Frame           | MIL-C-28754/12 |
| Single Span | without Guide Ribs           | MIL-C-28754/13 |
| Single Span | ---                          | MIL-C-28754/23 |
| Single Span | ---                          | MIL-C-28754/7  |
| Single Span | ---                          | MIL-C-28754/48 |
| Single Span | Screw                        | MIL-C-28754/40 |
| Single Span | Screw Insert                 | MIL-C-28754/41 |
| Single Span | 40 Pin, Center               | MIL-C-28754/76 |
| Single Span | 40 Pin, Offset               | MIL-C-28754/77 |
| Single Span | 40 Pin, Dip                  | MIL-C-28754/78 |
| Double Span | Dip Frame, 80 Pin            | MIL-C-28754/9  |
| Double Span | Solid, 100 Pin, .050 Centers | MIL-C-28754/43 |
| Double Span | Solid, 100 Pin               | MIL-C-28754/46 |
| Double Span | 100 Pin, Right Angle         | MIL-C-28754/47 |
| Double Span | 100 Pin, Dip                 | MIL-C-28754/73 |
| Double Span | 100 Pin, Center              | MIL-C-28754/74 |
| Double Span | 100 Pin, Offset              | MIL-C-28754/75 |

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## CROSS REFERENCE (CONTINUED)

## TYPE IV CONNECTOR:

|         |   |                |
|---------|---|----------------|
| 40 Pin  | Straight through 0.100 on Center                              | MIL-C-28754/6  |
| 40 Pin  | Right Angle for Die Cast Frame                                | MIL-C-28754/8  |
| 40 Pin  | Straight, 0.050 Center  | MIL-C-28754/10 |
| 40 Pin  | Right Angle (For Solid or Dip Frame)                          | MIL-C-28754/11 |
| 20 Pin  | Right Angle For Die Cast Frames                               | MIL-C-28754/14 |
| 100 Pin | Straight, 0.050 Centers                                       | MIL-C-28754/42 |
| 100 Pin | Straight, 0.100 Centers                                       |                |
| 40 Pin  | Offset, On 0.050 Centers (Ceramic Compatible)                 | MIL-C-28754/63 |
| 40 Pin  | Offset, On 0.050 Centers (Modified Frame, Ceramic Compatible) | MIL-C-28754/64 |
| 40 Pin  | Center, On 0.100 Centers (Ceramic Compatible)                 | MIL-C-28754/65 |
| 40 Pin  | Crossover, On 0.050 Centers (Ceramic Compatible)              | MIL-C-28754/66 |
| 100 Pin | Offset, On 0.050 Centers (Ceramic Compatible)                 | MIL-C-28754/56 |
| 100 Pin | Offset, On 0.050 Centers (Modified Frame, Ceramic Compatible) | MIL-C-28754/57 |
| 100 Pin | Offset, On 0.050 Centers (Modified Frame)                     | MIL-C-28754/58 |
| 100 Pin | Offset  | MIL-C-28754/84 |
| 100 Pin | Dip   | MIL-C-28754/85 |
| 100 Pin | Center, On 0.100 Centers (Ceramic Compatible)                 | MIL-C-28754/59 |
| 100 Pin | Center, On 0.100 Centers                                      | MIL-C-28754/60 |
| 100 Pin | Center, Crossover, On 0.050 Centers (Ceramic Compatible)      | MIL-C-28754/61 |
| 100 Pin | Center, Crossover, On 0.050 Centers                           | MIL-C-28754/62 |
| 250 Pin | Center  | MIL-C-28754/83 |

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## CROSS REFERENCE (CONTINUED)

## TYPE IV FRAMES:

|             |                      |                |
|-------------|----------------------|----------------|
| Single Span | Casting              | MIL-C-28754/22 |
| Single Span | Center               | MIL-C-28754/70 |
| Single Span | Offset               | MIL-C-28754/71 |
| Single Span | T-Dip                | MIL-C-28754/72 |
| Double Span | ---                  | MIL-C-28754/45 |
| Double Span | Casting              | MIL-C-28754/21 |
| Double Span | Center               | MIL-C-28754/67 |
| Double Span | T-Dip                | MIL-C-28754/68 |
| Double Span | Offset               | MIL-C-28754/69 |
| Format D    | Dip                  | MIL-C-28754/86 |
| Format D    | Center               | MIL-C-28754/87 |
| Format D    | Offset (0.050 Thick) | MIL-C-28754/88 |
| Format D    | Offset (0.071)       | MIL-C-28754/89 |

## TYPE IV SPACER PIN:

|             |     |                |
|-------------|-----|----------------|
| Single Span | --- | MIL-C-28754/18 |
| Single Span | --- | MIL-C-28754/19 |
| Double Span | --- | MIL-C-28754/20 |
| Keying Pin  | --- | MIL-C-28754/24 |

## TYPE V CONNECTOR ASSEMBLIES:

|          |   |                |
|----------|---|----------------|
| Style I  | 0.100 Centers   | MIL-C-28754/17 |
| ---      | 40 Pin 2 piece insert                                 | MIL-C-28754/31 |
|          | 20 Pin 1 piece insert                                 |                |
| Style I  | Slip lock cover plate                                 | MIL-C-28754/32 |
| Style II | Slip lock cover plate                                 | MIL-C-28754/33 |
| ---      | 100 Pin Cable Connector, Contacts On<br>0.100 Centers | MIL-C-28754/55 |

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## CROSS REFERENCE (CONTINUED)

## TYPE V:

|         |                 |                |
|---------|-----------------|----------------|
| Block   | 40 Pin Straight | MIL-C-28754/16 |
| Contact | Crimp           | MIL-C-28754/15 |
| Insert  | Top             | MIL-C-28754/50 |
| Insert  | Bottom          | MIL-C-28754/51 |
| Housing | Style I         | MIL-C-28754/52 |
| Housing | Style II        | MIL-C-28754/53 |

Preparing activity:  
Navy - SH

Agent:  
NWSC, Crane