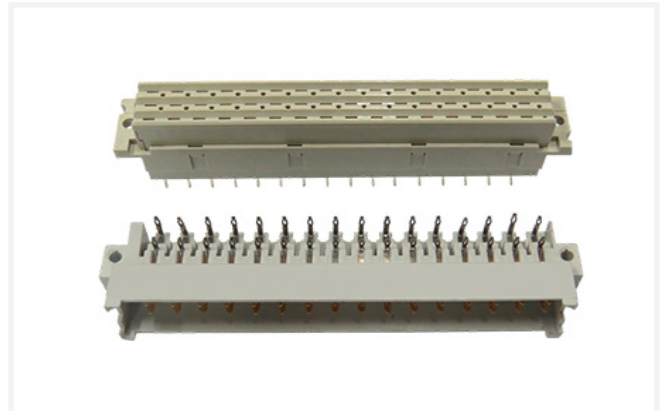


## DIN Power

### DIN 41612 CONNECTORS WITH MEDIUM AND HIGH POWER CONTACTS

Amphenol has consolidated the Din 41612 series manufacturing adding DIN Power range there by offering Power connectors along with the wide range of standard DIN connectors. The DIN Power connectors are preferred in applications that require particularly robust connectors or higher currents up to 15A.

- High reliability
- Flexibility in grounding and termination options
- Power rating up to 15A
- Includes combo (24+7) version which can meet both signal and power requirements
- Ideal for I&I and Railway segment



#### TARGET MARKETS



#### FEATURES

- 5.08mm pitch
- Different styles – D, F, H & F+H
- FMLB and LMEB contacts
- Various termination types available
- Sturdy and robust design
- Refined contact surfaces
- Combo (24+7) version
- Follows DIN 41612 / IEC 606032 specifications dimensional standards

#### BENEFITS

- Adequate spacing for routing PCB trace
- More contact arrangement options
- Grounding option
- Flexible PCB mounting options
- Ideal for I&I and Railway segment
- Low contact resistance
- Can meet both signal and power requirements
- Intermateable with other makes

## TECHNICAL INFORMATION

### MATERIAL

- Insulator: PBT / PC / PA
- Contact: Copper alloy

### ELECTRICAL PERFORMANCE

- Maximum Current Rating: 5.5A (15A for style H)
- Contact Resistance:  $\leq 15\text{m}\Omega$  ( $\leq 8\text{m}\Omega$  for style H)
- Test Voltage: 1550 V/50 Hz (3100 V/50 Hz for style H)

### MECHANICAL PERFORMANCE

- Insertion force per contact:  $\leq 1.55\text{ N}$  ( $\leq 6\text{ N}$  for style H)
- Extraction force per contact:  $\geq 0.2\text{ N}$
- Insulation Resistance:  $\geq 10^6\text{m}\Omega$
- Creepage distance:  $\geq 1.6\text{mm}$  ( $\geq 4.5\text{mm}$  for style H)

### ENVIRONMENTAL

- Operating Temp. Range:  $-55^\circ\text{C}$  to  $+125^\circ\text{C}$

### APPROVALS AND CERTIFICATIONS

- UL Approval: Available

### SPECIFICATIONS

- Class 1: Durability 500+ mating cycles
- Class 2: Durability 400+ mating cycles
- Class 3: Durability 50 mating cycles

### PACKAGING

- Box

### TARGET MARKETS/APPLICATIONS



Railway Signaling



Industrial Process Automation  
Test Equipment



Medical

## PART NUMBERS

| Description  | Part Numbers       |
|--|--------------------|
| 32 pin style D male Right Angle                              | 515903532635411LF  |
| 32 pin style D female Straight spill                         | 515903532189311LF  |
| 48 pin style F male Right Angle (contact height 7.3mm)       | 5159009486394AAKLF |
| 48 pin style F male Right Angle (contact height 6.0mm)       | 5159009486394111LF |
| 32 pin style F male Right Angle (first & last rows loaded)   | 5159009326394101LF |
| 32 pin style F male Right Angle (first & second rows loaded) | 5159009326394110LF |
| 32 pin style F male Right Angle (termination pitch: 5.08mm)  | 5159009326394130LF |
| 48 pin style F female Hand solder                            | 5159909481194111LF |
| 15 pin high power style H male Right Angle (Silver plated)   | 51590291523660LF   |
| 15 pin high power style H male Right Angle (Tin plated)      | 51590291523440LF   |
| 15 pin high power style H female Faston terminal             | 51590291519620LF   |
| 31 pin (24+7) combo style F+H male Right Angle               | 5159002312394111LF |
| 31 pin (24+7) combo style F+H female hand solder             | 5159002311194111LF |

# Mouser Electronics

Authorized Distributor

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

[FCI / Amphenol:](#)

[5159909481194111LF](#) [5159009326394110LF](#) [5159909321194110LF](#) [515903532129311LF](#) [515903532635411LF](#)  
[515903532189311LF](#) [5159009486354AAKLF](#)