



DEUTSCH HIGH-POWER CONTACTS

MIL-DTL-5015-QUALIFIED CONTACTS DESIGNED
FOR LONG-TERM RELIABILITY

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MIL-DTL-5015-Qualified Contacts for Long-Term Reliability



DEUTSCH MIL-DTL-5015 contacts from TE Connectivity (TE) are designed to meet the demand for high power applications in a variety of markets.

MECHANICAL

Contacts are designed to provide adequate normal force over a range of temperatures to achieve low contact resistance and minimum plating wear.

ELECTRICAL

- **Voltage Rating:** Conforms to SAE AS39029 standards

| Contact Size | Test Current (A) | Maximum Voltage Drop (mV) | | |
|--------------|------------------|---------------------------|--------|--------|
| | | 25 °C | 125 °C | 200 °C |
| 0 | 150 | 53 | 80 | 90 |
| 4 | 80 | 58 | 88 | 100 |
| 8 | 46 | 65 | 98 | 113 |

MATERIALS

Copper base metal, plated with nickel and silver.

The nickel plating provides a diffusion barrier to guard against copper migration. Silver plating minimizes contact resistance and provides corrosion protection.

STANDARDS

- **Application Specification:** MIL-DTL-5015
- **Product Specification:** MIL-DTL-5015 (as applicable to contacts)

LONG-TERM DURABILITY

- Plating engineered to provide a copper diffusion barrier and corrosion resistance
- Swiss screw-machined contacts achieve tight dimensional tolerances

REDUCED PLATING WEAR

- High-temperature stability allows lower contact force

APPLICATIONS

- Military Defense
- Aerospace
- Transportation

Contact Part Numbers

| Contact Size | Wire Range | | Socket | | Pin | |
|--------------|------------|-----------------|---------------|-------------------|---------------|-------------------|
| | AWG | mm ² | TE Part No. | Military Part No. | TE Part No. | Military Part No. |
| 0 | 2-0* | 33.61-53.46 | 0662-207-0082 | AS39029/30-222 | 0660-206-0082 | AS39029/29-216 |
| 4 | 6-4* | 13.29-21.14 | 0662-207-0482 | AS39029/30-221 | 0660-206-0482 | AS39029/29-215 |
| 8 | 10-8* | 5.26-8.36 | 0662-207-0882 | AS39029/30-220 | 0660-206-0882 | AS39029/29-214 |

Wire-Reducing Bushing Part Numbers

| Contact Size | TE Part No. |
|--------------|---------------|
| 0 | 0621-206-0082 |
| 4 | 0621-206-0482 |
| 8 | 0621-206-0882 |

Each contact can accommodate one wire size smaller if wire-reducing bushings are used.

TE Components . . . TE Technology . . . TE Know-how . . .

AMP | Agastat | CII | Hartman | Kilovac | Microdot | Nanonics | Polamco | Raychem | Rochester | DEUTSCH SEACON Phoenix | L.L. Rowe | Phoenix Optix | SEACON

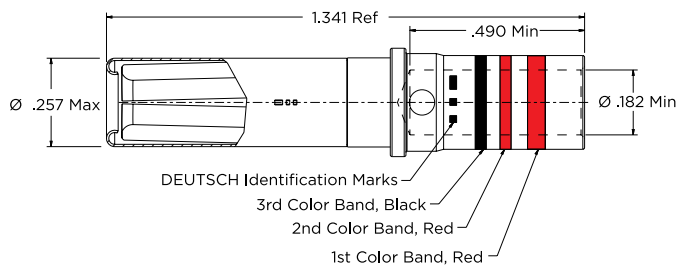
Get your product to market faster with a smarter, better solution.

Tooling Part Numbers

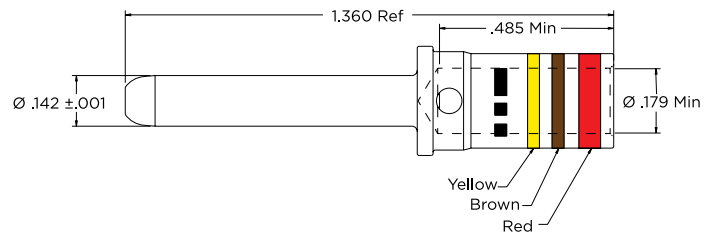
| Contact Size | Military Part No. | | | |
|--------------|-------------------|--------------|--------------|----------------------|
| | Crimping Tool | Die Assembly | Locator | Insertion/Withdrawal |
| 0 | M22520/23-01 | M22520/23-05 | M22520/23-13 | M81969/29-04 |
| 4 | M22520/23-01 | M22520/23-04 | M22520/23-11 | M81969/29-03 |
| 8 | M22520/23-01 | M22520/23-02 | M22520/23-09 | M81969/29-02 |

Pneumatic crimping tool is required for crimping. Military-standard contact insertion/removal tools are recommended by TE.

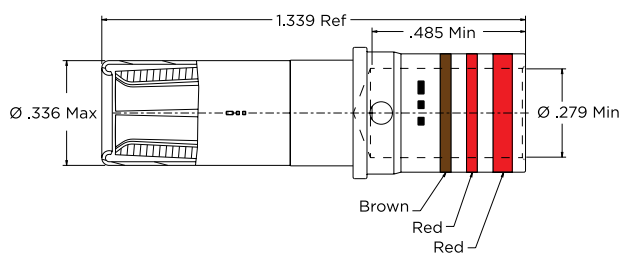
Part No. 0662-207-0882
Contact, Socket
Size 8



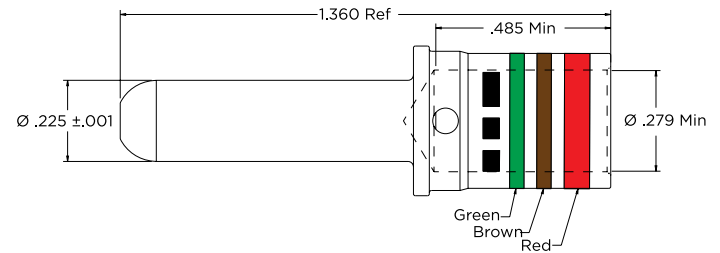
Part No. 0660-206-0882
Contact, Pin
Size 8



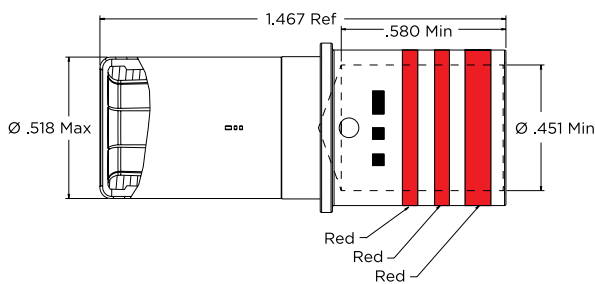
Part No. 0662-207-0482
Contact, Socket
Size 4



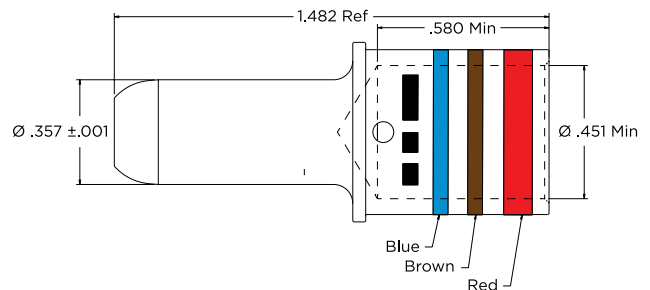
Part No. 0660-206-0482
Contact, Pin
Size 4



Part No. 0662-207-0082
Contact, Socket
Size 0



Part No. 0660-206-0082
Contact, Pin
Size 0



For More Information

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