

38999

III

HD

Duallok

II

I

SJT

Accessories

Aquacon

Herm/Seal

PCB

### MIL-DTL-26482, SERIES 2 CRIMP CONTACTS

| Contact Size | Wire Range |                 | Socket Contacts      |                             | Pin Contacts         |                             |
|--------------|------------|-----------------|----------------------|-----------------------------|----------------------|-----------------------------|
|              | AWG        | mm <sup>2</sup> | Military Part Number | Amphenol/Matrix Part Number | Military Part Number | Amphenol/Matrix Part Number |
| 20           | 24-20      | 0.2-0.6         | M39029/5-115         | M5100-001-0020L             | M39029/4-110         | M5000-054-0020L             |
| 16           | 20-16      | 0.5-1.4         | M39029/5-116         | M5100-001-0016L             | M39029/4-111         | M5000-054-0016L             |
| 12           | 14-12      | 2-3             | M39029/5-118         | M5100-001-0012L             | M39029/4-113         | M5000-054-0012L             |

HIGH  
SPEED

Fiber  
Optics

Contacts  
Connectors  
Cables

EMI Filter  
Transient

### CONTACT CURRENT RATING AND RETENTION

| Contact Size* | DC Test Amperage | Contact Retention |       |
|---------------|------------------|-------------------|-------|
|               |                  | Axial Load        |       |
|               |                  | lb.               | N     |
| 20            | 7.5              | 20                | 89.0  |
| 16            | 13.0             | 25                | 111.2 |
| 12            | 23.0             | 30                | 133.4 |

\* Organize individual circuits to maintain heat rise within operating temperature requirements.

### SEALING PLUGS

| Contact Size | Sealing Plugs        |                             |
|--------------|----------------------|-----------------------------|
|              | Military Part Number | Amphenol/Matrix Part Number |
| 20           | MS27488-20-2         | 10-405996-202               |
| 16           | MS27488-16-2         | 10-405996-162               |
| 12           | MS27488-12-2         | 10-405996-122               |

26482  
Matrix 2

83723 III  
Matrix | Pyle

26500  
Pyle

5015  
Crimp Rear  
Release  
Matrix

22992  
Class I

Back-  
Shells

Options  
Others

### CRIMPING TOOLS

| Contact Size | Wire Range |                 | Finished Wire Dia. Range |           | Crimping Tool Part Number  | Turret or Positioner Part Number |
|--------------|------------|-----------------|--------------------------|-----------|----------------------------|----------------------------------|
|              | AWG        | mm <sup>2</sup> | Inch                     | mm        |                            |                                  |
| 20           | 24-20      | 0.2-0.6         | .040-.083                | 1.02-2.11 | M22520/1-01 or M22520/2-01 | M22520/1-02 or M22520/2-02       |
| 16           | 20-16      | 0.5-1.4         | .053-.103                | 1.34-2.62 | M22520/1-01                | M22520/1-02                      |
| 12           | 14-12      | 2-3             | .097-.158                | 2.46-4.01 | M22520/1-01                | M22520/1-02                      |

### INSERTION/REMOVAL TOOLS

| Contact Size | Color Code   | Military Part Number | Amphenol/Matrix Part Number |
|--------------|--------------|----------------------|-----------------------------|
| 20           | Red/White    | M81969/14-11         | 10-538988-201               |
| 16           | Blue/White   | M81969/14-03         | 10-538988-016               |
| 12           | Yellow/White | M81969/14-04         | 10-538988-012               |

Note: Each connector is furnished with contacts. One spare for inserts requiring 1 to 26 of each contact, two spares for inserts with more than 26 contacts, and a minimum of one sealing plug up to 15% of the number of contacts.

### BACKSHELLS

The section of this catalog called "Backshells" covers the backshells for MIL-DTL-26482 that are provided through Amphenol PCD. Please refer to this section for:

- Backshells for Connector Family "J", which includes MIL-DTL-26482 (Series II), MIL-DTL-5015 (MS3400), MIL-DTL-83723 (Series I & III).