



Built and qualified to MIL-T-81714 (Series I) DME's Terminal Junction Modules make up a simple and reliable environmental resistant Terminal Junction System. Recently adopted as SAE-Aerospace Standards under the AS81714 part numbers, these parts are also currently active for new design and replacement purposes. Complimented by DME's MIL-T-81714 In-Line Junctions (Splices) these Terminal Modules provide users with a broad range of Terminal Junction System Components to select from.

PERFORMANCE SPECIFICATIONS

DIELECTRIC WITHSTANDING VOLTAGE:

Sea Level: 1,500 Volts AC (RMS)
At 70,000 ft: 200 Volts AC (RMS)

INSULATION RESISTANCE
5,000 megohms at 25 C.

TEMPERATURE:
Operative at -65 C to +200 C.

FLUID COMPATIBILITY:
Method 1016 of MIL-STD-1344.

CORROSION:
Per MIL-STD-1344 Test Method 1001,
Test Condition C.

CURRENT RATING:
Contact size 22-5 amps, size 20-7.5
amps, size 16-13 amps, size 12-23 amps.

MOISTURE RESISTANCE:
Method 1002, Type II of MIL-STD-1344.

THERMAL SHOCK
Per MIL-STD-1344 Test Condition A.

CONTACT RETENTION:

| Contact Size | Axial Load |
|--------------|-------------|
| 22 | 12 lbs. min |
| 20 | 20 lbs. min |
| 16 | 25 lbs. min |
| 12 | 30 lbs. min |

GROMMET SEALING RANGE:
(MIL-T-81714, Table I)

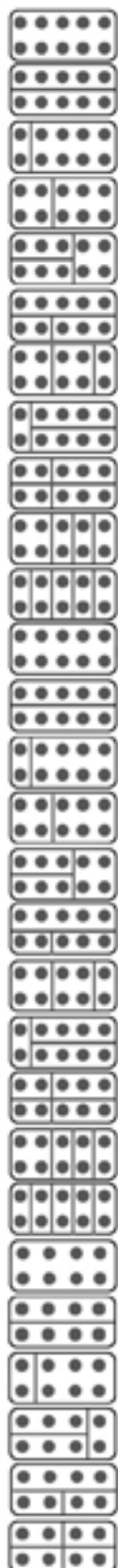
| Contact size | Max. Wire O.D. | Min. Wire O.D. |
|--------------|----------------|----------------|
| 22 | .060 | .030 |
| 20 | .083 | .040 |
| 16 | .109 | .065 |
| 12 | .142 | .097 |

OTHER TESTS PERFORMED:
Vibration, Mechanical Shock, Altitude Immersion,
Temperature Life, all per MIL-T-81714E.



Terminal Modules

BUSSING CONFIGURATION



| | FEEDBACK | | | CONTACT | |
|--|-------------------|---------------|--------------|---------|------------|
| | MILITARY PART NO. | SAE PART NO. | DME PART NO. | SIZE | P/N M39029 |
| | M81714/2-DA1 | AS81714/2-DA1 | DME/2-DA1 | /20 | 1-101 |
| | M81714/2-DB1 | AS81714/2-DB1 | DME/2-DB1 | /20 | 1-101 |
| | M81714/2-DB2 | AS81714/2-DB2 | DME/2-DB2 | /20 | 1-101 |
| | M81714/2-DB3 | AS81714/2-DB3 | DME/2-DB3 | /20 | 1-101 |
| | M81714/2-DC1 | AS81714/2-DC1 | DME/2-DC1 | /20 | 1-101 |
| | M81714/2-DC2 | AS81714/2-DC2 | DME/2-DC2 | /20 | 1-101 |
| | M81714/2-DC3 | AS81714/2-DC3 | DME/2-DC3 | /20 | 1-101 |
| | M81714/2-DC4 | AS81714/2-DC4 | DME/2-DC4 | /20 | 1-101 |
| | M81714/2-DD1 | AS81714/2-DD1 | DME/2-DD1 | /20 | 1-101 |
| | M81714/2-DD2 | AS81714/2-DD2 | DME/2-DD2 | /20 | 1-101 |
| | M81714/2-DE1 | AS81714/2-DE1 | DME/2-DE1 | /20 | 1-101 |
| | M81714/1-DA1 | AS81714/1-DA1 | DME/1-DA1 | /22 | 1-100 |
| | M81714/1-DB1 | AS81714/1-DB1 | DME/1-DA1 | /22 | 1-100 |
| | M81714/1-DB2 | AS81714/1-DB2 | DME/1-DA1 | /22 | 1-100 |
| | M81714/1-DB3 | AS81714/1-DB3 | DME/1-DA1 | /22 | 1-100 |
| | M81714/1-DC1 | AS81714/1-DC1 | DME/1-DA1 | /22 | 1-100 |
| | M81714/1-DC2 | AS81714/1-DC2 | DME/1-DA1 | /22 | 1-100 |
| | M81714/1-DC3 | AS81714/1-DC3 | DME/1-DA1 | /22 | 1-100 |
| | M81714/1-DC4 | AS81714/1-DC4 | DME/1-DA1 | /22 | 1-100 |
| | M81714/1-DD1 | AS81714/1-DD1 | DME/1-DA1 | /22 | 1-100 |
| | M81714/1-DD2 | AS81714/1-DD2 | DME/1-DA1 | /22 | 1-100 |
| | M81714/1-DE1 | AS81714/1-DE1 | DME/1-DA1 | /22 | 1-100 |
| | M81714/3-DA1 | AS81714/3-DA1 | DME/3-DA1 | /16 | 1-102 |
| | M81714/3-DB1 | AS81714/3-DB1 | DME/3-DB1 | /16 | 1-102 |
| | M81714/3-DB2 | AS81714/3-DB2 | DME/3-DB2 | /16 | 1-102 |
| | M81714/3-DC1 | AS81714/3-DC1 | DME/3-DC1 | /16 | 1-102 |
| | M81714/3-DC2 | AS81714/3-DC2 | DME/3-DC2 | /16 | 1-102 |
| | M81714/3-DD1 | AS81714/3-DD1 | DME/3-DD1 | /16 | 1-102 |