INCH-POUND

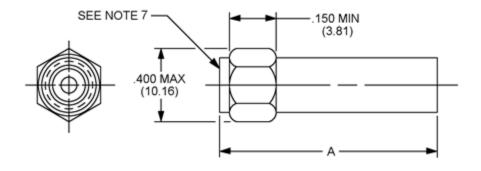
MIL-PRF-39012/55H w/AMENDMENT 2 02 September 2017 SUPERSEDING MIL-PRF-39012/55H w/AMENDMENT 1 10 December 2016

PERFORMANCE SPECIFICATION SHEET

CONNECTORS, PLUGS, ELECTRICAL, COAXIAL, RADIO FREQUENCY (SERIES SMA (CABLED) - PLUG, PIN CONTACT, CLASS 2)

This specification is approved for use by all Departments and Agencies of the Department of Defense.

The requirements for acquiring the product described herein shall consist of this specification sheet and MIL-PRF-39012.



MARKING IMPLEMENTATION DATE, CATEGORY B, SEE TABLE VII

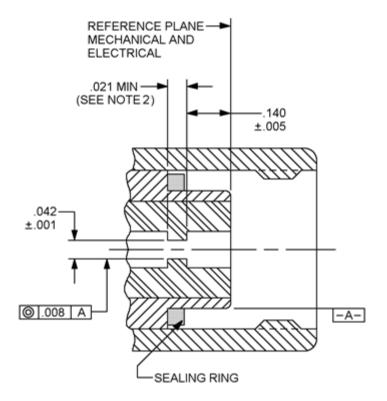
NOTES:

- 1. Dimensions are in inches. Metric equivalents are in parentheses and given for information only.
- 2. For dimension A, see tables I and V.
- 3. Dimension .400 (10.16 mm) is the largest overall diameter of the connector.
- 4. Width across flats are to accommodate wrench, nominal size of .3125 (7.938 mm) minimum in accordance with FED-STD-H28.
- 5. Dimension A defines the overall length of the connector when assembled to the cable.
- 6. All undimensioned pictorial configurations are for reference purposes only.
- 7. Series SMA, pin contact interface in accordance with MIL-STD-348.

FIGURE 1. General configuration.

AMSC N/A FSC 5935





CATEGORY D

Insulator dimensions for category D only

| Inches | mm |
|--------|------|
| .001 | 0.03 |
| .005 | 0.13 |
| .008 | 0.20 |
| .021 | 0.53 |
| .042 | 1.07 |
| .140 | 3.56 |

NOTES:

- 1. Dimensions are in inches. Metric equivalents are given for information only.
- 2. Chamfer is optional, if chamfer is used put chamfer on a 30° maximum.
- 3. Three holes .016 (0.41 mm) minimum diameter, equally spaced, are required for safety wiring after mating. Location on coupling nut optional.

FIGURE 2. Category D captivation detail.

TABLE I. <u>Dash number, cross reference and dimensions</u>.

| Dash number <u>1</u> / <u>2</u> / <u>3</u> / | # Applicable cable group from MIL-PRF-39012, | Dimensions | Inches (millimeters) Maximum 4/ |
|--|--|----------------------------------|---------------------------------|
| | appendix B | | _ |
| | | e (no special tools required) 5/ | |
| 3006 | CABLE GROUP I | | |
| 3106 <u>6</u> / | 07.522 01.001 1 | | |
| 4006 | M17/93-RG178 <u>8</u> / <u>9</u> / | | |
| 4106 6/ | W17/93-KG176 <u>0</u> / <u>9</u> / | | |
| | CABLE GROUP II | | |
| 3007 | CABLE GROUP II | | |
| 3107 <u>6</u> / | | | |
| 4007 | M17/113-RG316 <u>8</u> / <u>9</u> / | | |
| 4107 <u>6</u> / | | | |
| 3008 | CABLE GROUP IV | | |
| 3108 <u>6</u> / | | | |
| 4008 | M17/54-RG122 <u>8</u> / <u>9</u> / | | |
| 4108 <u>6</u> / | | | |
| 3009 | CABLE GROUP VI | | |
| 3109 <u>6</u> / | | Α | 1.030 (26.16) |
| 4009 | M17/60-RG142 10/ | | , , |
| 4109 <u>6</u> / | M17/128-RG400 <u>9</u> / | | |
| 4100 <u>o</u> / | M17/126 105-005 M17/84-RG223 8/ | | |
| 3010 <u>7</u> / | CABLE GROUP VI | | |
| | CABLE GROUP VI | | |
| 3110 <u>6</u> / <u>7</u> / | NA7/444 DO000 0/0/ | | |
| 4010 <u>7</u> / | M17/111-RG303 <u>8</u> / <u>9</u> / | | |
| 4110 <u>6</u> / <u>7</u> / | | | |
| 3030 | CABLE GROUP III | | |
| 3130 <u>6</u> / | | | |
| 4030 | M17/152-00001 <u>8</u> / <u>9</u> / | | |
| 4130 <u>6</u> / | | | |
| (| Category C - Field replaceable | (MIL-DTL-22520 crimp tool) 1: | <u>1</u> / |
| 3025 | CABLE GROUP I 12/ | | |
| 3125 <u>6</u> / | | | |
| 4025 | M17/93-RG178 <u>8</u> / <u>9</u> / | | |
| 4125 6/ | | | |
| 3026 | CABLE GROUP IIa 13/ | | |
| 3126 <u>6</u> / | 3, 1522 3, 1661 114 <u>16</u> 1 | | |
| 4026 | M17/113-RG316 <u>8</u> / <u>9</u> / | | |
| 4126 6/ | WITT/ 110 100010 <u>0</u> / <u>3</u> / | | |
| 3027 | CABLE GROUP IV 14/ | | |
| | CABLE GROUP IV 14/ | А | |
| 3127 <u>6</u> / | M47/54 DC400 0/ 0/ | ^ | 1 250 /21 75) |
| 4027 | M17/54-RG122 <u>8</u> / <u>9</u> / | | 1.250 (31.75) |
| 4127 <u>6</u> / | | | |
| 3028 | CABLE GROUP VIb <u>15</u> / | | |
| 3128 <u>6</u> / | | | |
| 4028 | M17/60-RG142 <u>10</u> / | | |
| 4128 <u>6</u> / | M17/128-RG400 <u>9</u> / | | |
| | M17/84-RG223 <u>8</u> / | | |
| 3029 | CABLE GROUP VIa 15/ | | |
| 3129 <u>6</u> / | 1 | | |
| 4029 | M17/111-RG303 9/ | | |
| 4129 <u>6</u> / | M17/28-RG058 <u>8</u> / | | |
| 7123 <u>U</u> | WITT/20-11G000 <u>0</u> / | | |

See notes at end of table.

TABLE I. Dash number, cross reference and dimensions – Continued.

| Dash number <u>1</u> / <u>2</u> / <u>3</u> / | # Applicable cable group from MIL-PRF- 39012, appendix B | Dimensions | Inches-millimeters maximum <u>4</u> / |
|--|--|-----------------------------|--|
| Ca | tegory D - Filed replaceable | e - Defined piece parts 11/ | <u>16</u> / |
| 3502 | CABLE GROUP VIb | | |
| 3602 <u>6</u> / | | Α | 1.250 (31.75) |
| 4502 | M17/60-RG142 <u>8</u> / <u>10</u> / | | |
| 4602 <u>6</u> / | M17/128-RG400 9/ | | |

- 1/ These connectors have captivated contacts.
- 2/ For logistics purposes, only connectors with safety wire holes will be stocked.
- 3/ Coupling nuts shall be corrosion resistant steel with a passivated finish in accordance with SAE-AMS2700, type 2 (applies only to -3XXX series connectors).
- 4/ Dimensions are in inches, millimeters are in parentheses.
- 5/ All corrosion resistant steel bodied connectors which are designed to be assembled to the cable outer conductor using solder shall be gold plated to a minimum thickness of 50 microinches (1.27 μm) in accordance with ASTM B488, type II, code C, class 1.27 at least in the area of solder attachment.
- 6/ No safety wire holes.
- 7/ These parts are inactive for new design, new designs should procure to dash numbers -*009 and -*109. These dash numbers use the same cable group (VI).
- 8/ Cable to be used when performing tests except in 10/.
- 9/ Preferred cable.
- 10/ Cable to be used for the +200°C temperature cycling test. Connectors mate with connectors of the same material; i.e., "3XXX" series dash numbers mate only with other "3XXX" series connectors and "4XXX" series connectors with other "4XXX" series connectors. This cable may be used for test purposes with the approval of the Qualifying Activity.
- 11/ These connectors are assembled, using the applicable crimp tool, to the specified cables stripped as shown on figure 4.
- 12/ Preferred die M22520/5-33 closure B, alternate die M22520/5-03 closure B.
- 13/ Preferred die M22520/5-35 closure B, alternate die M22520/5-03 closure A.
- 14/ Preferred die M22520/5-41 closure B, alternate die M22520/5-05 closure B, or -09 closure A.
- 15/ Preferred die M22520/5-19 closure B, alternate die M22520/5-05 closure A, or -11, 57, closure A.
- 16/ Complete connector assembly shall consist of a body, center contact, ferrule and assembly instructions.
- # The latest version of each cable shall be applicable.

ENGINEERING DATA:

Nominal impedance: 50 ohms.

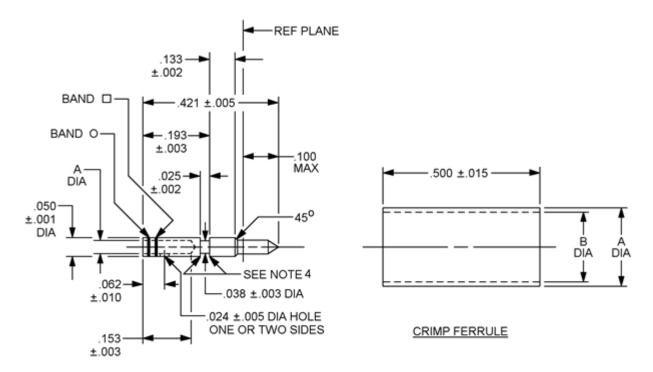
Frequency range: 0 to 12.4 GHz.

Voltage rating: The voltage rating shall be specified in table II.

Temperature range: -65°C to +165°C.

TABLE II. Voltage rating.

| | Voltage max. (at sea level) | Voltage max. (V rms) at 70,000 |
|------------------------------|-----------------------------|--------------------------------|
| Cables | (V rms) | feet (4.437 kPa) |
| Cable group I | 170 | 45 |
| Cable group II, IIa, III, IV | 250 | 65 |
| Cable group VI, VIa, VIb | 335 | 85 |



CENTER CONTACT

| Dash no. | Contact no. <u>1</u> / | A ±.001 | Basic crimp tool <u>2</u> / | Crimp die or positioner | Crimp tensile minimum | Color band | Color band |
|--------------|---------------------------|------------|--------------------------------|----------------------------|-----------------------------|---------------|---------------|
| 3502 4502 | 55-10 | .041 | M22520/1-01 | Solder or M22520/1-15 | 6 pounds | Red | Silver |

| Dash no. | Ferrule no. | A ±.003 | B ±.003 | Basic crimp tool <u>2</u> / | Crimp die or positioner M22520/5- |
|--------------|-------------|------------|------------|--------------------------------|--|
| 3502 4502 | 55-50 | .250 | .220 | M22520/5-01 | -05, -11, -57 Closure A or -19 Closure B |

^{1/} Contact numbers and ferrule numbers are for identification only.
2/ Class 2 tool may be used by OEM (see MIL-DTL-22520).

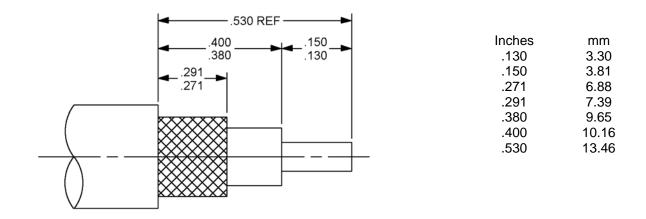
FIGURE 3. Contact and ferrule dimensions for category D only.

| Inches | mm | Inches | mm |
|--------|------|--------|-------|
| .001 | 0.03 | .050 | 1.27 |
| .002 | 0.05 | .062 | 1.57 |
| .003 | 0.08 | .100 | 2.54 |
| .005 | 0.13 | .133 | 3.38 |
| .010 | 0.25 | .153 | 3.89 |
| .015 | 0.38 | .193 | 4.90 |
| .024 | 0.61 | .220 | 5.59 |
| .025 | 0.64 | .250 | 6.35 |
| .038 | 0.97 | .421 | 10.69 |
| .041 | 1.04 | .500 | 12.70 |

NOTES:

- 1. Dimensions are in inches. Metric equivalents are given for information only.
- 2. Crimp tensile test shall be in accordance with SAE-AS39029.
- 3. Copyright notice: All information disclosed in these specification sheets which is or may be copyrighted is reproduced herein with the express permission of the copyright owner.
- 4. .003 inch maximum break.
- 5. Color bands shall be positioned so that no coloring material enters the inspection hole.

FIGURE 3. Contact and ferrule dimensions for category D only – Continued.



NOTES:

1. Dimensions are in inches. Metric equivalents are given for information only.

FIGURE 4. Cable stripping dimensions for field replaceable connectors.

REQUIREMENTS:

Dimensions and configuration: See figures 1, 2, 3, and 4.

Force to engage and disengage:

Longitudinal force: Not applicable. Torque: 2 inch-pounds, maximum.

Coupling proof torque: 15 inch-pounds, minimum.

Inspection conditions: For each test of threaded coupling connectors where the test is performed on

mated pairs, the pairs shall be torqued to 7 to 10 inch-pounds.

Mating characteristics: See MIL-STD-348 for dimensions.

Hermetic seal: Not applicable.

Leakage (pressurized connectors): Not applicable.

Insulation resistance: In accordance with MIL-STD-202-302: 5,000 megohms, minimum.

Center contact retention: 6 pounds minimum axial force. Applicable to captivated center contacts only.

Radial torque: Not applicable.

Corrosion (salt spray): In accordance with MIL-STD-202-101, test condition B.

Voltage standing wave ratio (VSWR): From 0.5 to 12.4GHz, or approximately 80 percent of the cutoff frequency of the test cable, whichever is lower.

| Cable group | <u>VSWR</u> |
|-----------------------|---|
| I II. IIa. III. IV | 1.20 +0.025F (F in GHz) 1.15 +0.02F (F in GHz) |
| VI. Vla. Vlb | 1.15 +0.01F (F in GHz) |

Swept frequency VSWR test setup:

Item 6: VSWR shall be less than 1.025 +.002F (F in GHz).

Item 16: VSWR shall be less than 1.025 +.002F (F in GHz).

Second step of VSWR checkout procedure: VSWR shall be less than 1.080 +.005F (F in GHz).

Group B inspection: Use step 5, long cable method.

Qualification and group C inspection: Use step 5, long cable method.

Connector durability: 500 cycles minimum, at 12 cycles per minute, maximum. The connector shall meet the mating characteristics and force to engage and disengage requirements.

Conductor resistance: In milliohms, maximum.

| | <u>Initial</u> | After environment |
|-------------------|----------------|-------------------|
| Center conductor: | 3.0 | 4.0 |
| Outer contact: | 2.0 | N/A |
| Braid to body: | 0.5 | N/A |

NOTE: 5 milliohms is permissible (braid to body) on passivated steel bodied connectors.

Dielectric withstanding voltage at sea level: MIL-STD-202-301.

| Cable group | <u>V rms</u> |
|-----------------------|--------------|
| I II, IIa, III, IV | 500 750 |
| VI, VIa, VIb | 1,000 |
| , , | , |

Vibration, high frequency: In accordance with MIL-STD-202-204, test condition D.

Shock: In accordance with MIL-STD-202-213, test condition I.

Thermal shock: In accordance with MIL-STD-202-107, test condition B, except high temperature shall be +85°C. High temperature shall be +200°C for connectors using +200°C cables (see tables I and V).

Moisture resistance: In accordance with MIL-STD-202-106.

No measurements at high humidity. Insulation resistance shall be at least 200 mega ohms within 5 minutes after removal from humidity.

Corona level:

Altitude: 70,000 feet.

| Cable group | V rms min. |
|------------------|------------|
| 1 | 125 |
| II, IIa, III, IV | 190 |
| VI. VIa. VIb | 250 |

RF high potential withstanding voltage:

Frequency: 5 to 7.5 MHz.

Leakage current: Not applicable.

| Cable group | V rms min. |
|---|------------|
| I | 335 |
| II, IIa, III, IV | 500 |
| VI, VIa, VIb | 670 |
| able natentian fance about he are an edited in table. III | |

Cable retention force shall be as specified in table III.

TABLE III. Cable retention force.

| Cable dielectric outer | Pounds (min.) | | |
|------------------------|---------------|--------------|--|
| diameter | Single braid | Double braid | |
| Inches (max.) | | | |
| .036 | 10 | N/A | |
| .067 | 20 | N/A | |
| .110 | 30 | N/A | |
| .122 | 40 | 45 | |

Coupling mechanism retention force: 60 pounds minimum.

Safety wire hold pullout: Applicable.

RF leakage: -60 dB minimum tested at a frequency between 2 and 3 GHz.

RF insertion loss: dB maximum = $.06\sqrt{F}$ (GHz). Test frequency, 6 GHz.

Part or Identifying Number (PIN): M39012/55- (dash number from table I or "B" number from table V).

Group qualification: See table IV.

TABLE IV. Group qualification and retention testing.

| Group | Submission and qualification of | Qualifies the following |
|-------|--|-------------------------|
| | any of the following connectors $\underline{1}/\underline{2}/$ | connectors <u>3</u> / |
| | | M39012/55-*006 |
| l | M39012/55-*009 | M39012/55-*007 |
| | | M39012/55-*008 |
| | | M39012/55-*009 |
| | | M39012/55-*010 |
| | | M39012/55-*030 |
| | | M39012/55B*011 |
| II | M39012/55B*015 | M39012/55B*012 |
| | | M39012/55B*013 |
| | | M39012/55B*014 |
| | | M39012/55B*015 |
| | | M39012/55B*016 |
| | | M39012/55B*017 |
| | | M39012/55B*018 |
| III | M39012/55B*022 | M39012/55B*019 |
| | | M39012/55B*020 |
| | | M39012/55B*021 |
| | | M39012/55B*022 |
| | | M39012/55B*023 |
| | | M39012/55B*024 |

See notes at end of table.

TABLE IV. Group qualification and retention testing - Continued.

| Group | Submission and qualification of any of the following connectors 1/2/ | Qualifies the following connectors 3/ |
|-------|--|--|
| IV | M39012/55-*028 | M39012/55-*025 M39012/55-*026 M39012/55-*027 M39012/55-*028 M39012/55-*029 |
| V | M39012/55-*502 | M39012/55-*502 |

^{1/} Individual connectors other than listed in the middle column, are self qualifying. Retention of qualification of connectors of equal or lower frequency is granted by similarity.

NOTES:

- 1. For qualification retention, where more than one part is listed in a group in the middle column, data may be supplied on any of those parts in order to retain qualification for those parts in the corresponding right hand column. The part does not necessarily have to be the part initially qualified. This note does not apply if there is only one port listed in the middle column.
- 2. If a connector manufacturer produces a connector which meets all the requirements for two or more connector PINs (within the same series), the manufacturer may receive qualification approval for two or more connector PINs by qualifying the one connector. It is not necessary that such connectors be in the same group. Each connector, however, must be marked with its own appropriate PIN. For group qualification, the connectors must be of similar design.

^{2/} Qualification of connectors qualifies connectors of the same material only.

^{3/} Connectors qualified with safety wire holes automatically qualifies connectors without safety wire holes.

^{*} Denotes material.

TABLE V. Category B – nonfield replaceable (special tools may be required).

Not for Air Force, Navy or Army Use. For OEM Use Only.

| M39012/55B ^ | Applicable cable # M17/ | Dimensions | Inches 1/ 2/ 3/ 4/ (millimeters) maximum |
|----------------------------|-------------------------|------------|--|
| 3011 <u>5</u> / | | | |
| 3111 <u>5</u> / <u>6</u> / | M17/93-RG178 | | |
| 4011 <u>5</u> / | M17/169-00001∅ | | |
| 4111 <u>5</u> / <u>6</u> / | | | |
| 3012 <u>5</u> / | M17/119-RG174 | | |
| 3112 <u>5</u> / <u>6</u> / | M17/113-RG316 | | |
| 4012 <u>5</u> / | M17/173-00001∅ | | |
| 4112 <u>5</u> / <u>6</u> / | M17/172-00001Ø | | |
| 3013 <u>5</u> / | | | |
| 3113 <u>5</u> / <u>6</u> / | M17/54-RG122* | | |
| 4013 <u>5</u> / | M17/157-00001Ø | | |
| 4113 <u>5</u> / <u>6</u> / | | | |
| 3014 <u>5</u> / | | | 4.050 (04.75) |
| 3114 <u>5</u> / <u>6</u> / | M17/28-RG058* | A | 1.250 (31.75) |
| 4014 <u>5</u> / | M17/155-00001∅ | | |
| 4114 <u>5</u> / <u>6</u> / | | | |
| 3015 <u>5</u> / | | | |
| 3115 <u>5</u> / <u>6</u> / | M17/60-RG142*@ | | |
| 4015 <u>5</u> / | M17/158-00001∅ | | |
| 4115 <u>5</u> / <u>6</u> / | | | |
| 3016 <u>5</u> / | | | |
| 3116 <u>5</u> / <u>6</u> / | M17/84-RG223* | | |
| 4016 <u>5</u> / | M17/167-00001∅ | | |
| 4116 <u>5</u> / <u>6</u> / | | | |
| 3017 <u>5</u> / | | | |
| 3117 <u>5</u> / <u>6</u> / | M17/111-RG303* | | |
| 4017 <u>5</u> / | M17/170-00001∅ | | |
| 4117 <u>5</u> / <u>6</u> / | | | |

See notes at end of table.

TABLE V. Category B - Non-field replaceable (special tools may be required) - Continued.

| M39012/55B ^ | Applicable cable # M17/ | Dimensions | Inches 1/ 2/ 3/ 4/ (millimeters) maximum |
|--|--|------------|--|
| 3018 7/ 3118 6/ 7/ 4018 7/ 4118 6/ 7/ 3019 7/ 3119 6/ 7/ 4019 6/ 7/ 3020 7/ 3120 6/ 7/ | M17/93-RG178 M17/169-00001∅ M17/119-RG174 M17/173-00001∅ M17/113-RG316 M17/172-00001∅ | - | |
| 3020 <u>7</u> / 4020 <u>7</u> / 4120 <u>6</u> / <u>7</u> / 3021 <u>7</u> / 3121 <u>6</u> / <u>7</u> / 4021 <u>7</u> / 4121 <u>6</u> / <u>7</u> / | M17/157-00001∅ M17/28-RG058* M17/155-00001∅ | A | 1.375 (34.93) |
| 3022 <u>7/</u> 3122 <u>6/</u> 7 <u>/</u> 4022 <u>7/</u> 4122 <u>6/</u> <u>7/</u> | M17/60-RG142*@ M17/158-00001∅ | | |
| 3023 <u>7/</u> 3123 <u>6/</u> <u>7/</u> 4023 <u>7/</u> 4123 <u>6/</u> <u>7/</u> | M17/84-RG223* M17/167-00001∅ | | |
| 3024 <u>7/</u> 3124 <u>6/ 7/</u> 4024 <u>7/</u> 4124 <u>6/ 7/</u> | M17/111-RG303 M17/170-00001∅ | | |

- 1/ Dimensions are in inches, millimeters are in parentheses.
- 2/ Coupling nuts shall be corrosion resistant steel with a passivated finish in accordance with SAE-AMS2700 type 2 (applies only to "-3XXX" series connectors).
- 3/ For logistics purposes, only connectors with safety wire holes will be stocked.
- 4/ All corrosion resistant steel bodied connectors which are designed to be assembled to the cable outer conductor using solder shall be gold plated to a minimum thickness of 50 microinches (1.27 μ m) in accordance with ASTM B488, type II, code C, class 1.27 at least in the area of solder attachment.
- 5/ Inactive for new design.
- 6/ No safety wire holes.
- 7/ These connectors have captivated center contacts.
- ^ Connectors mate with connectors of the same material; i.e., M39012/59-3001 mates with M39012/55-3001, and M39012/59-4001 mates with M39012/55-4001.
- # The latest version of each cable shall be applicable,
- Caution is directed to the application of this cable above 400 MHz. Attenuation is tested only at 400 MHz. SRL and power handling capabilities are not stipulated herein.
- * Cable to be used when performing tests requiring cable except as in note @.
- @ Cable to be used for the +200°C temperature cycling test and may be used for testing purposes with the approval of the Qualifying Activity.

Maintenance replacements for category B: See table VI.

TABLE VI. Maintenance replacements for category B.

| Category B Dash number * | Category C Dash number | Category A Dash number | Category D Dash number |
|--------------------------|---------------------------|---------------------------|---------------------------|
| | | | |
| B^011 | ^025 | ^006 | |
| B^012 | ^026 | ^007 | |
| B^013 | ^027 | ^008 | |
| B^014 | ^029 | ^009 | |
| B^015 | ^028 | ^009 | ^502 |
| B^016 | ^028 | ^009 | |
| B^017 | ^029 | ^010 | |
| B^018 | ^025 | ^006 | |
| B^019 | ^026 | ^007 | |
| B^020 | ^027 | ^008 | |
| B^021 | ^029 | ^009 | |
| B^022 | ^028 | ^009 | ^502 |
| B^023 | ^028 | ^009 | |
| B^024 | ^029 | ^010 | |
| | | | |

^{*} Category B connectors are for original installation only. They will not be stocked or acquired by the Government.

Cross reference of PIN's: See table VII.

TABLE VII. Supersession data.

| Preferred PIN | Superseded PIN | Preferred PIN | Superseded PIN |
|-----------------------|----------------|-----------------------|----------------|
| M39012/55B <u>1</u> / | M39012/55- | M39012/55B <u>1</u> / | M39012/55- |
| | | | |
| ^011 | ^011 | ^018 | ^018 |
| ^111 | ^111 | ^118 | ^118 |
| ^012 | ^012 | ^019 | ^019 |
| ^112 | ^112 | ^119 | ^119 |
| ^013 | ^013 | ^020 | ^020 |
| ^113 | ^113 | ^120 | ^120 |
| ^014 | ^014 | ^021 | ^021 |
| ^114 | ^114 | ^121 | ^121 |
| ^015 | ^015 | ^022 | ^022 |
| ^115 | ^115 | ^122 | ^122 |
| ^016 | ^016 | ^023 | ^023 |
| ^116 | ^116 | ^123 | ^123 |
| ^017 | ^017 | ^024 | ^024 |
| ^117 | ^117 | ^124 | ^124 |

^{1/} The "B" PIN is required marking. The connectors manufactured prior to 3 April 1987 that are in stock or distribution and were previously qualified and marked with the old PIN shall also be considered acceptable for Government use until stock is purged.

[^] The material of the item shall be the same material as the item being replaced. Example: 55B3011 (corrosion resistant steel) replaces 55-3025.

[^] The material of the item shall be the same material as the item being replaced. Example: 55B3011 replaces 55-3011.

<u>Amendment notations</u>. The margins of this specification are marked with vertical lines to indicate modifications generated by this amendment. This was done as a convenience only and the Government assumes no liability whatsoever for any inaccuracies in these notations. Bidders and contractors are cautioned to evaluate the requirements of this document based on the entire content irrespective of the marginal notations.

Referenced documents. In addition to MIL-PRF-39012, this document references the following:

ASTM B488
MIL-STD-202-101
MIL-STD-202-106
MIL-STD-202-107
MIL-STD-202-204
MIL-STD-202-213
MIL-STD-202-301
MIL-STD-348
SAE-AMS2700
SAE-AS39029
MIL-DTL-22520
FED-STD-H28

CONCLUDING MATERIAL

Custodians: Army - CR Navy - EC Air Force - 85 DLA - CC Preparing activity: DLA - CC

(Project 5935-2017-110)

Review activities:

Army - AR, AT, EA, MI Navy - AS, MC, OS, SH

Air Force - 99

NOTE: The activities listed above were interested in this document as of the date of this document. Since organizations and responsibilities can change, you should verify the currency of the information above using the ASSIST Online database at https://assist.dla.mil.