

| REVISIONS | | | | | |
|-----------|-----|---------------|-----------|-----|------|
| P | LTR | DESCRIPTION | DATE | DWN | APVD |
| | B1 | ECN-24-284011 | 12SEP2024 | TP | WH |

NOTES:

ALL DIMENSIONS ARE NOMINAL FOR REFERENCE ONLY UNLESS OTHERWISE STATED.

RoHS: COMPLIANT.

SPECIFICATIONS:

IMPEDANCE: 50Ω

FREQUENCY: DC to 300MHz

CONTACT RESISTANCE:
CENTER: <2.0 milliohms.
OUTER: <1.5 milliohms.

VOLTAGE RATING: 1665 V (rms)

DIELECTRIC WITHSTANDING VOLTAGE: >1000V

INSULATION RESISTANCE: >5000mΩ

MECHANICAL CHARACTERISTICS

COUPLING NUT RETENTION FORCE: >60 lbs

DURABILITY: >500 CYCLES.

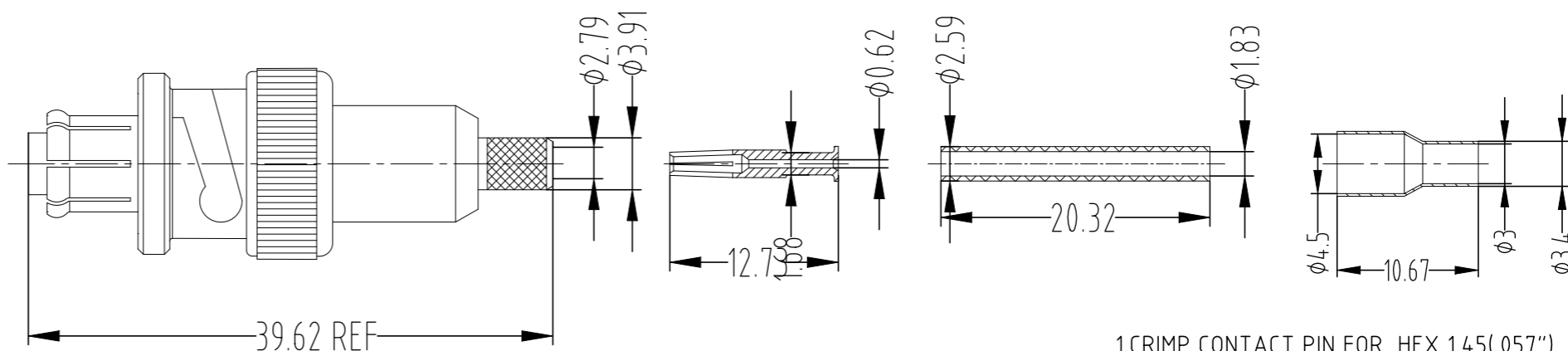
ENVIRONMENTAL PARAMETER

TEMPERATURE RANGE: -40°C TO +125°C

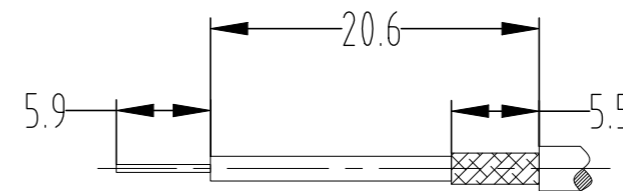
CORROSION: MIL-STD 202,METH.101,COND.B

VIBRATION: MIL-STD 202,METH.204,COND.A

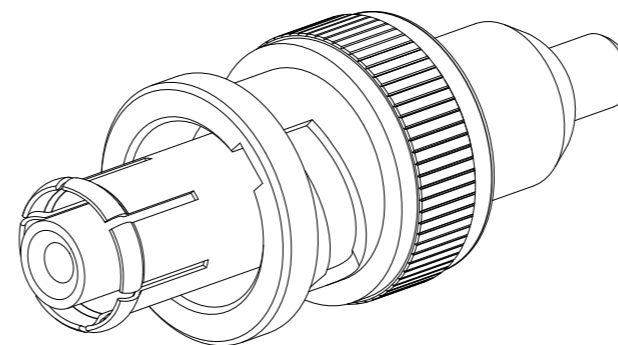
SHOCK: MIL-STD 202,METH.213,COND.I



- 1.CRIMP CONTACT PIN FOR HEX 1.45(.057")
- 2.CRIMP FERRULE FOR HEX 4.24(.167")



RECOMMENDED STRIP LENGTH



NOTES:

FINISH (PLATING THICKNESS IN MICRO-INCHES)

- 1 NICKEL PL.100u"/COPPER PL 50u"
- 2 GOLD PL. 50u"/NICKEL PL.100u"
- 3 NICKEL PL.200u"/COPPER PL 100u"

| QUANTITY PER ASSY | PARTS LIST | DESCRIPTION | ITEM | |
|-------------------|----------------|---------------------|-------------|------|
| 1 | NOTE 4 | BRASS | SHELL | 5 |
| 1 | NOTE 1 | BRASS | FERRULE | 4 |
| 1 | NOTE 2 | Be-Cu C17300 | CONTACT PIN | 3 |
| 1 | NATURAL | PTFE ASTM-D-1710 | INSULATOR | 2 |
| 1 | NOTE 1 | BRASS | BODY | 1 |
| 5051426-8 | FINISH/PLATING | MATERIAL | DESCRIPTION | ITEM |

| CABLE SIZE | WEIGHT (OZ) | CRIMP TOOL | ④ BUSHING QTY=1 | ③ FERRULE QTY=1 | ② CONTACT QTY=1 | ① PLUG ASSY QTY=1 | PART NUMBER |
|--|-------------|------------|-----------------|-----------------|-----------------|-------------------|-------------|
| RG-174/U & RG-188/U | - | 220009-1 | 21427-5 | 9-328666-0 | 225418-3 | 51437-6 | 5051426-8 |
| RG-59/U, 59A/U, 59B/U, 62/U, 62A/U & 62B/U | .496 | 220022-2 | - | 9-50428-0 | 51475-3 | 51437-4 | 5051426-5 |
| RG-58A/U & RG-58C/U | .512 | 220022-1 | - | 9-50427-1 | 51427-3 | 51437-3 | 5051426-4 |
| RG-59/U, 59A/U, 59B/U, 62/U, 62A/U & 62B/U | - | 220022-2 | - | 9-50428-4 | 51475-3 | 51437-2 | 5051426-2 |
| RG-58A/U & RG-58C/U | .458 | 220022-1 | - | 9-50427-3 | 51427-3 | 51437-1 | 5051426-1 |

THIS DRAWING IS A CONTROLLED DOCUMENT.

DWN: J. HAVENER 24JAN2005
CHK: J. HAVENER 24JAN2005
APVD: J. LIPPERT 24JAN2005

TE Connectivity

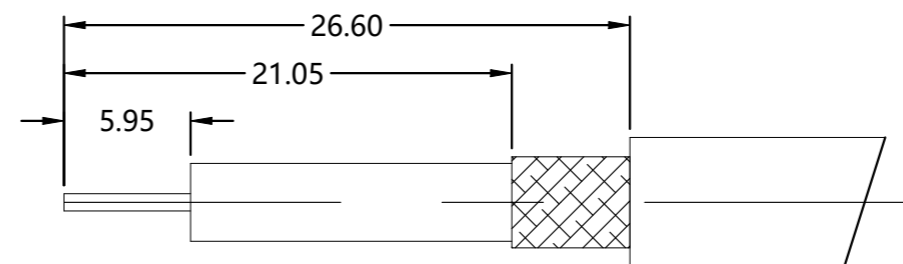
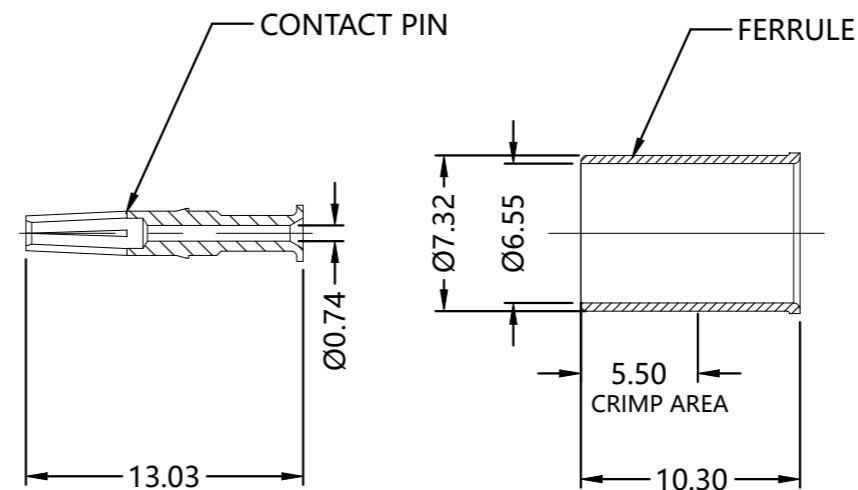
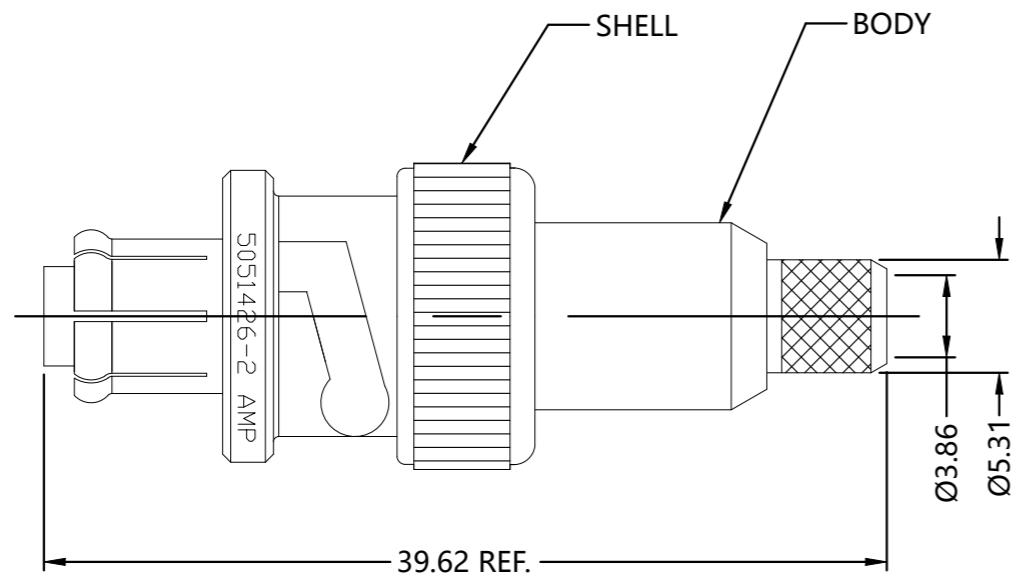
CONNECTOR, COAXIAL, PLUG, SERIES SHV

SIZE: A2 CAGE CODE: 00779 DRAWING NO: 5051426 RESTRICTED TO: -

WEIGHT: 0.000000

CUSTOMER DRAWING SCALE: 4:1 SHEET: 1 of 4 REV: B1

| REVISIONS | | | | |
|-----------|-----|-------------|------|------|
| P | LTR | DESCRIPTION | DATE | APVD |
| - | - | SEE SHEET 1 | - | - |



RECOMMENDED CABLE STRIPPING DIM'S

NOTES

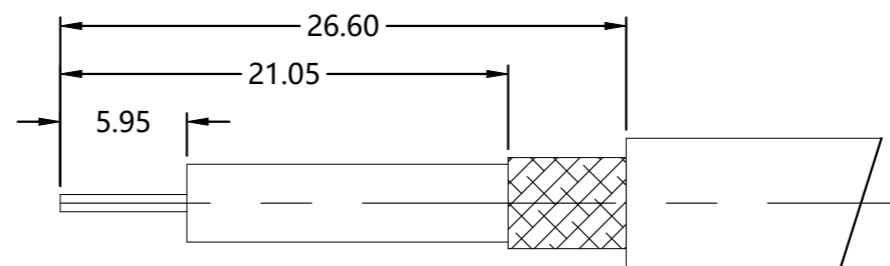
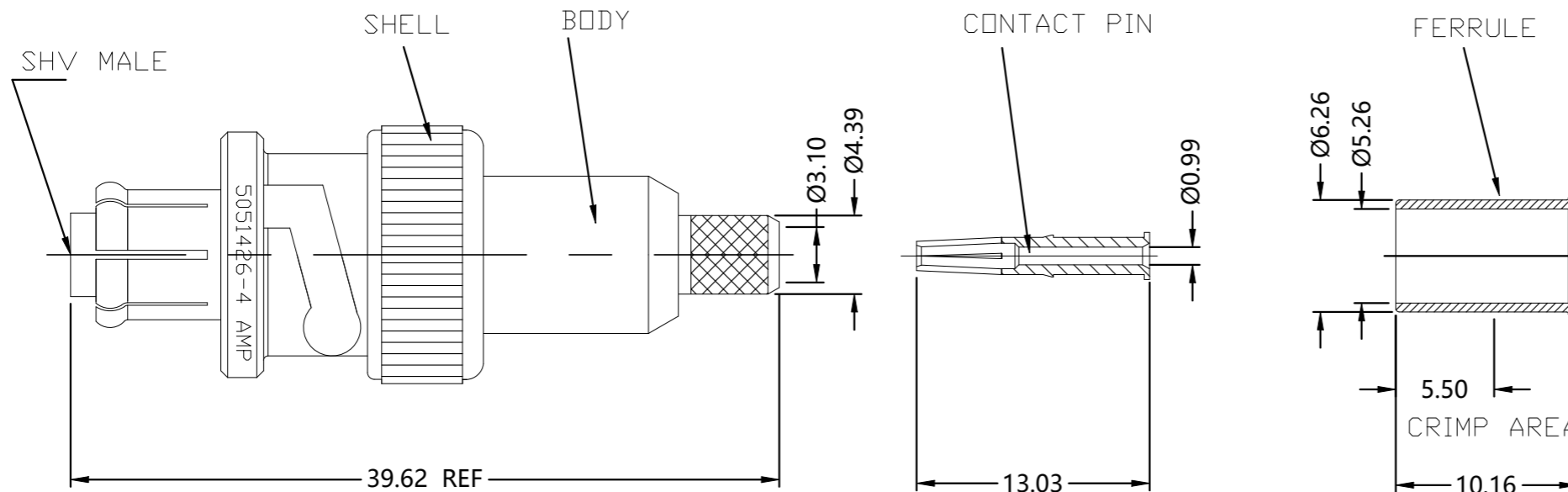
- 1 PACK IN ACCORDANCE WITH TE SPEC 107-3275;
- 2 ALL DIMENSIONS ARE NOMINAL FOR REFERENCE ONLY UNLESS OTHERWISE STATED;
- 3 ELECTRICAL CHARACTERISTICS :
 - FREQUENCY RANGE : DC-300MHz
 - NOMINAL IMPEDANCE : 50 OHMS
 - INSULATION RESISTANCE : 5000 MOHMS
 - WORKING VOLTAGE : 3500 VOLTS MAX
 - DIELECTRIC WITHSTANDING VOLTAGE : 4500 VOLTS MAX
 - INSERTION LOSS : ACCORDING TO THE CABLE
 - CONTACT RESISTANCE :
 - CENTER CONTACT : 2.0 mOHMS MAX
 - OUTER CONTACT : 1.5 mOHMS MAX
- 4 ENVIRONMENTAL :
 - OPERATING TEMPERATURE : -40°C TO +125°C
 - CORROSION:MIL- STD 202, Meth. 101,Cond. B
 - VIBRATION:MIL- STD 202, Meth. 204,Cond. A
 - SHOCK:MIL- STD 202, Meth. 213,Cond. I
 - CLIMATIC CATEGORY-IEC 55 /155/21
- 5 DURABILITY : 500 CYCLES MIN
- 6 RoHS : COMPLIANT
- 7 FERRULE TO CRIMPED THE HEX. SIZE .248".
USE WITH HAND TOOL 2087631-1 AND DIE SET 2087632-3.
CONTACT PIN TO SOLDER OR CRIMP.

| QUANTITY PER ASSY | ITEM | DESCRIPTION | MATERIAL | PLATING | 5051426-2 |
|-------------------|-------------|-------------|----------|---------------------------|-----------|
| 5 | FERRULE | | BRASS | SILVER 200 u"/COPPER | 1 |
| 4 | INSULATOR | | PTFE | / | 1 |
| 3 | CONTACT PIN | | Becu | GOLD 50 u"/NICKEL /COPPER | 1 |
| 2 | SHELL | | BRASS | SILVER 200 u"/COPPER | 1 |
| 1 | BODY | | BRASS | SILVER 200 u"/COPPER | 1 |
| | | | | | |
| | | | | | |

PARTS LIST

| | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---------------------------------|------------|--------------------|-------|---|---|-------|---|---|-------|---|---|-------|---|---|--------|---|---|--------|---|---|--------------|--|
| THIS DRAWING IS A CONTROLLED DOCUMENT. | | DWN J. HAVENER 24JAN2005 | | | | | | | | | | | | | | | | | | | | | | |
| DIMENSIONS: mm | | CHK J. HAVENER 24JAN2005 | | | | | | | | | | | | | | | | | | | | | | |
| TOLERANCES UNLESS OTHERWISE SPECIFIED: | | APVD J. LIPPERT 24JAN2005 | NAME | | | | | | | | | | | | | | | | | | | | | |
| <table border="1"> <tr><td>0 PLC</td><td>±</td><td>-</td></tr> <tr><td>1 PLC</td><td>±</td><td>-</td></tr> <tr><td>2 PLC</td><td>±</td><td>-</td></tr> <tr><td>3 PLC</td><td>±</td><td>-</td></tr> <tr><td>4 PLC</td><td>±</td><td>-</td></tr> <tr><td>ANGLES</td><td>±</td><td>-</td></tr> <tr><td>FINISH</td><td>-</td><td>-</td></tr> </table> | | 0 PLC | ± | - | 1 PLC | ± | - | 2 PLC | ± | - | 3 PLC | ± | - | 4 PLC | ± | - | ANGLES | ± | - | FINISH | - | - | PRODUCT SPEC | |
| 0 PLC | ± | - | | | | | | | | | | | | | | | | | | | | | | |
| 1 PLC | ± | - | | | | | | | | | | | | | | | | | | | | | | |
| 2 PLC | ± | - | | | | | | | | | | | | | | | | | | | | | | |
| 3 PLC | ± | - | | | | | | | | | | | | | | | | | | | | | | |
| 4 PLC | ± | - | | | | | | | | | | | | | | | | | | | | | | |
| ANGLES | ± | - | | | | | | | | | | | | | | | | | | | | | | |
| FINISH | - | - | | | | | | | | | | | | | | | | | | | | | | |
| MATERIAL | | APPLICATION SPEC | | | | | | | | | | | | | | | | | | | | | | |
| | | WEIGHT 0.000000 | SIZE A2 | CAGE CODE 00779 | | | | | | | | | | | | | | | | | | | | |
| | | DRAWING NO C-5051426 | | RESTRICTED TO | | | | | | | | | | | | | | | | | | | | |
| | | CUSTOMER DRAWING | | SCALE 4:1 | | | | | | | | | | | | | | | | | | | | |
| | | SHEET 2 of 4 | | REV B1 | | | | | | | | | | | | | | | | | | | | |

| REVISIONS | | | | |
|-----------|-----|-------------|------|------|
| P | LTR | DESCRIPTION | DATE | APVD |
| - | - | SEE SHEET 1 | - | - |



RECOMMENDED CABLE STRIPPING DIM'S

NOTES

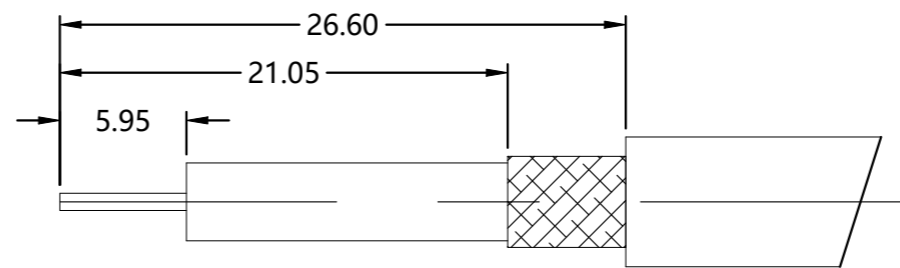
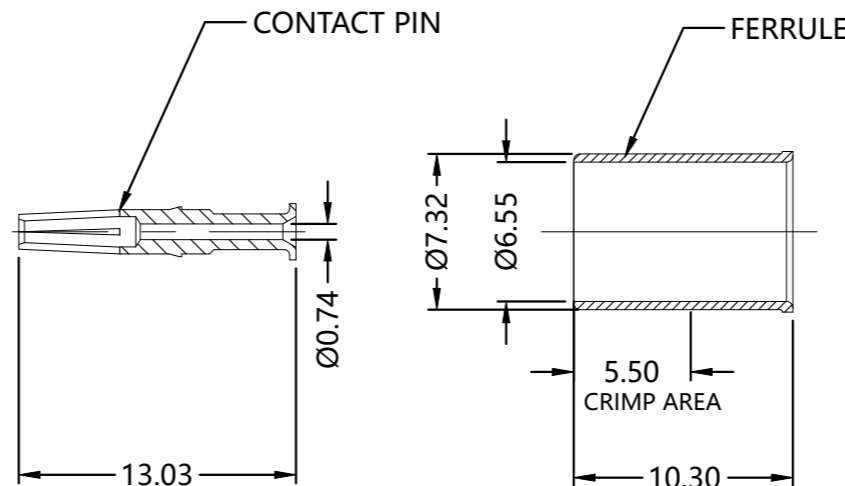
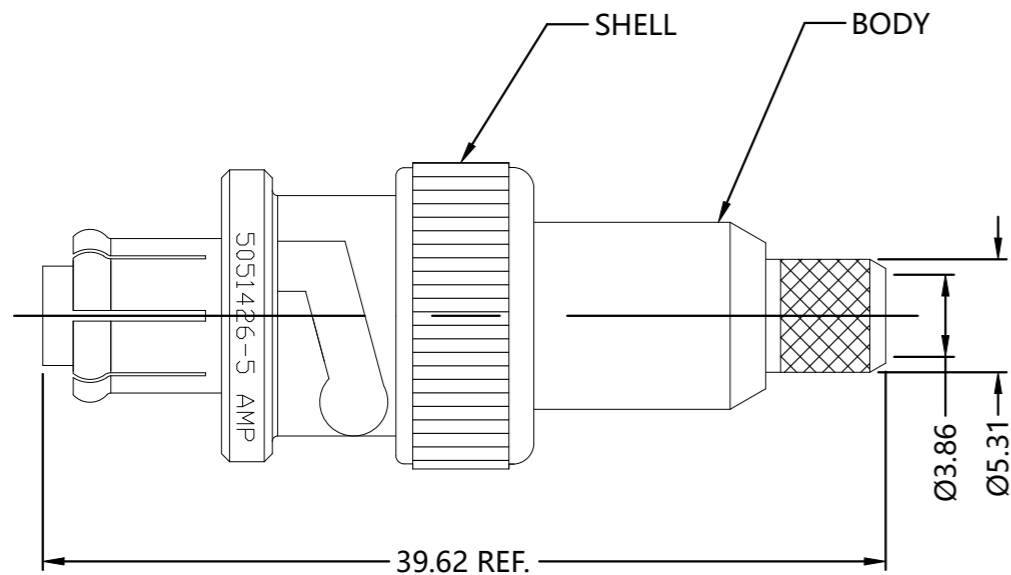
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 CORROSION:MIL- STD 202, Meth. 101,Cond. B
 VIBRATION:MIL- STD 202, Meth. 204,Cond. A
 SHOCK:MIL- STD 202, Meth. 213,Cond. I
 CLIMATIC CATEGORY-IEC 55 /155/21
- 5 DURABILITY : 500 CYCLES MIN
- 6 RoHS : COMPLIANT
- 7 FERRULE TO CRIMPED THE HEX. SIZE .213".
 USE WITH HAND TOOL 2087631-1 AND DIE SET 2087632-4.
 CONTACT PIN TO SOLDER OR CRIMP.

| QUANTITY PER ASSY | 5051426-4 | PLATING | MATERIAL | DESCRIPTION | ITEM |
|-------------------|-----------|----------------------------|----------|-------------|------|
| 1 | | MATTE TIN 100 u"/COPPER | BRASS | FERRULE | 5 |
| 1 | | / | PTFE | INSULATOR | 4 |
| 1 | | GOLD 50 u"/NICKEL /COPPER | Becu | CONTACT PIN | 3 |
| 1 | | BRIGHT NICKEL 175u"/COPPER | BRASS | SHELL | 2 |
| 1 | | NICKEL 100 u"/COPPER | BRASS | BODY | 1 |

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| | | | | |
|---------------------------------|----------|--------------------------------------|-------------------------------|------------|
| DWN J. HAVENER 24JAN2005 | | NAME | | |
| CHK J. HAVENER 24JAN2005 | | CONNECTOR, COAXIAL, PLUG, SERIES SHV | | |
| APVD J. LIPPERT 24JAN2005 | | SIZE | CAGE CODE | DRAWING NO |
| PRODUCT SPEC | | A2 | 00779 | C-5051426 |
| APPLICATION SPEC | WEIGHT | RESTRICTED TO | | |
| | 0.000000 | - | | |
| MATERIAL | FINISH | CUSTOMER DRAWING | SCALE 4:1 SHEET 3 of 4 REV B1 | |
| | | | | |

| REVISIONS | | | | | |
|-----------|-----|-------------|------|-----|------|
| P | LTR | DESCRIPTION | DATE | DWN | APVD |
| - | - | SEE SHEET 1 | - | - | - |



RECOMMENDED CABLE STRIPPING DIM'S

NOTES

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 SHOCK:MIL- STD 202, Meth. 213,Cond. I
 CLIMATIC CATEGROY-IEC 55 /155/21
- 5 DURABILITY : 500 CYCLES MIN
- 6 RoHS : COMPLIANT
- 7 FERRULE TO CRIMPED THE HEX. SIZE .248".
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 CONTACT PIN TO SOLDER OR CRIMP.

| QUANTITY PER ASSY | 5051426-5 | PLATING | MATERIAL | DESCRIPTION | ITEM |
|-------------------|-----------|---------------------------|----------|-------------|------|
| 1 | | MATTE TIN 100 u"/COPPER | BRASS | FERRULE | 5 |
| 1 | | / | PTFE | INSULATOR | 4 |
| 1 | | GOLD 50 u"/NICKEL /COPPER | Becu | CONTACT PIN | 3 |
| 1 | | NICKEL 175u"/COPPER | BRASS | SHELL | 2 |
| 1 | | NICKEL 100 u"/COPPER | BRASS | BODY | 1 |

THIS DRAWING IS A CONTROLLED DOCUMENT.

| | | | |
|---------------------------------|--------|--------------------------------------|-----------|
| DWN J. HAVENER 24JAN2005 | | TE Connectivity | |
| CHK J. HAVENER 24JAN2005 | | NAME | |
| APVD J. LIPPERT 24JAN2005 | | CONNECTOR, COAXIAL, PLUG, SERIES SHV | |
| PRODUCT SPEC | | SIZE | CAGE CODE |
| APPLICATION SPEC | WEIGHT | RESTRICTED TO | |
| MATERIAL | FINISH | SCALE | SHEET |
| | | 4:1 | 4 of 4 |
| | | CUSTOMER DRAWING | REV B1 |