

DO NOT
SCALE FROM
THIS PRINT

FIG 2
CABLE STRIPPING DIMENSIONS
PER CONFIGURATIONS
(SEE TABLE 1) (SEE NOTE 12,13,14,15)

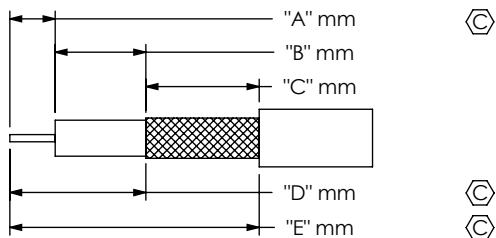


TABLE 1

| STYLE | CABLE CUT LENGTH | | HI POT |
|---------|------------------|------|--------|
| | SUBTRACTOR | DCV | |
| -72SPX | 7.3 [0.29] | 1000 | |
| -72RPX | 2.0 [0.08] | 1000 | |
| -74SPX | 10.3 [0.41] | 1000 | |
| -74BJX | 13.4 [0.53] | 1000 | |
| -77SPX | 7.5 [0.29] | 1000 | |
| -77RPX | 2.9 [0.11] | 1000 | |
| -D4SPX | 10.3 [0.41] | 1000 | |
| -78SPX | 15.7 [0.62] | 1000 | |
| -79SPX | 8.7 [0.34] | 1000 | |
| -79RPX | 5.3 [0.21] | 1000 | |
| *-7GSPX | 5.5 [0.22] | 1000 | |
| *-7GSJX | 4.7 [0.19] | 1000 | |
| *-7VRPX | 1.7 [0.07] | 1000 | |
| *-7VSJX | 4.7 [0.19] | 1000 | |
| -SING | 0.0 [0.00] | 1000 | |
| -XXXXXX | 0.0 [0.00] | 1000 | |

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* = NOT RELEASED FOR PRODUCTION

NOTES:

1. (C) REPRESENTS A CRITICAL DIMENSION
2. CABLE CUT LENGTH:
= (LENGTH: XXXX) - (SUBTRACTOR FOR END 1) - (SUBTRACTOR FOR END 2)
(SEE TABLE 1 FOR SUBTRACTORS)
3. ASSEMBLY TO BE 100% TESTED FOR OPENS & SHORTS
4. ASSEMBLY TO BE 100% HI-POT TESTED PER TABLE 1
5. AFTER FINAL ELECTRICAL TEST, LABEL EACH CABLE ASSEMBLY WITH 1 LABEL-ET
6. CRITICALS ON CONNECTOR PRINTS TO BE CHECKED IN PROCESS.
7. FINISHED ASSEMBLIES TO BE PACKAGED PER PACKAGING STANDARD CO-HD-WI-3040-M.
LOCK WASHERS AND NUTS TO BE SHIPPED UNASSEMBLED. GASKETS TO BE INSTALLED ON CABLE.
8. CABLE STOCKED IN INCHES, 1 INCH = 25.4 MILLIMETERS
9. CABLE LENGTHS LONGER THAN 500 MILLIMETERS ARE NOT SUPPORTED BY S.I. TEST DATA
10. MINIMUM BEND RADIUS FOR RG179 = 10.2 [0.40].
11. FOR SING ENDED OR STRIPPED AND TINNED ASSEMBLIES: MAKE A DOUBLE ENDED ASSEMBLY AT TWICE THE CABLE LENGTH AND TEST BEFORE CUTTING ASSEMBLY IN HALF.
12. DIM "A", "B", AND "C" HAVE A MINIMUM VALUE OF 0.0mm & A MAXIMUM VALUE OF 9.9mm
13. PRODUCTION OF STRIP AND TIN FOR CENTER DIELECTIC USE: A
14. PRODUCTION OF STRIP AND TIN FOR SHIELD USE: D=A+B
15. PRODUCTION OF STRIP AND TIN FOR JACKET USE: E=A+B+C
16. CONNECTORS TO BE ORIENTED ACCORDING TO CO-HD-WI-3048-M.
17. FOR STRIPPED AND TINNED OPTION, ONLY THE CENTER CONDUCTOR IS TINNED.

CABLE CALLOUT
179: CCA-179 (RG-179 COAXIAL CABLE)

END 1 CONNECTOR

- 72SP: MCX7-P-C-XX-ST-CA3 (SEE SHEET 2)
- 72RP: MCX7-P-C-XX-RA-CA3 (SEE SHEET 2)
- 74SP: BNC7T-P-C-XX-ST-CA3 (SEE SHEET 2)
- 74BJ: BNC7T-J-C-XX-ST-BH3 (SEE SHEET 2)
- 77SP: SMB7H-P-C-XX-ST-CA3 (SEE SHEET 2)
- 77RP: SMB7H-P-C-XX-RA-CA3 (SEE SHEET 2)
- D4SP: BNC7T-P-C-XX-ST-CA3D (SEE SHEET 3)
- 78SP: DIN7A-PP-C-XX-ST-CA3 (SEE SHEET 3)
- 79SP: MBNC7-P-C-XX-ST-CA3 (SEE SHEET 3)
- 79RP: MBNC7-P-C-XX-RA-CA3 (SEE SHEET 3)
- *-7GSP: GRF7-P-C-XX-ST-CA3 (SEE SHEET 3)
- *-7GSJ: GRF7-J-C-XX-ST-CA3 (SEE SHEET 4)
- *-7VRP: GRF7V-P-C-XX-RA-CA3 (SEE SHEET 4)
- *-7VSJ: GRF7V-J-C-XX-ST-CA3 (SEE SHEET 4)

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END 1 PLATING OPTION

- 1: GOLD ALL COMPONENTS
- 2: GOLD / NICKEL COMBINATION
- 3: ALTERNATE GOLD / NICKEL
- 4: ALTERNATE GOLD / GOLD FLASH / NICKEL
- 5: ALTERNATE GOLD / GOLD / NICKEL
- 6: ALTERNATE H GOLD / H GOLD / NICKEL
8. ALTERNATE HEAVY GOLD / GOLD FLASH / NICKEL (SEE SHEET 2 AND 3 FOR PLATING SPECIFICS)

T * = NOT RELEASED FOR PRODUCTION

OVERALL CABLE LENGTH
MILLIMETERS OF CABLE
0100 MIN. (SEE NOTE 8 & 9)

END 2 PLATING OPTION

- 1: GOLD ALL COMPONENTS
- 2: GOLD / NICKEL COMBINATION
- 3: ALTERNATE GOLD / NICKEL
- 4: ALTERNATE GOLD / GOLD FLASH / NICKEL
- 5: ALTERNATE GOLD / GOLD / NICKEL
- 6: ALTERNATE H GOLD / H GOLD / NICKEL
8. ALTERNATE HEAVY GOLD / GOLD FLASH / NICKEL (SEE SHEET 2 AND 3 FOR PLATING SPECIFICS)
(LEAVE BLANK FOR -SING OR -XXXXXX END 2 PREPARATION)

END 2 CONNECTOR OR PREPARATION

- 72SP: MCX7-P-C-XX-ST-CA3 (SEE SHEET 2)
- 72RP: MCX7-P-C-XX-RA-CA3 (SEE SHEET 2)
- 74SP: BNC7T-P-C-XX-ST-CA3 (SEE SHEET 2)
- 74BJ: BNC7T-J-C-XX-ST-BH3 (SEE SHEET 2)
- 77SP: SMB7H-P-C-XX-ST-CA3 (SEE SHEET 2)
- 77RP: SMB7H-P-C-XX-RA-CA3 (SEE SHEET 2)
- D4SP: BNC7T-P-C-XX-ST-CA3D (SEE SHEET 3)
- 78SP: DIN7A-PP-C-XX-ST-CA3 (SEE SHEET 3)
- 79SP: MBNC7-P-C-XX-ST-CA3 (SEE SHEET 3)
- 79RP: MBNC7-P-C-XX-RA-CA3 (SEE SHEET 3)
- *-7GSP: GRF7-P-C-XX-ST-CA3 (SEE SHEET 3)
- *-7GSJ: GRF7-J-C-XX-ST-CA3 (SEE SHEET 4)
- *-7VRP: GRF7V-P-C-XX-RA-CA3 (SEE SHEET 4)
- *-7VSJ: GRF7V-J-C-XX-ST-CA3 (SEE SHEET 4)
- SING: SINGLE ENDED (ONE END ONLY, SEE NOTE 11)
- XXXXXX: STRIPPED AND TINNED (THIS END ONLY-
SEE NOTES 11-15 & 17, SHEET 2, FIG. 3)

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TABLE 2: FINAL ASSEMBLY LENGTH TOLERANCE

| LENGTH | TOLERANCE |
|-------------------------|------------------------|
| 0100-0200 [3.92-7.87] | +3.0 [.12]/-0.0 [.00] |
| 0200-0500 [7.87-19.69] | +5.0 [.20]/-0.0 [.00] |
| 0500-1100 [19.69-43.30] | +10.0 [.40]/-0.0 [.00] |
| >1100 [43.30] | ± 1% |

(SEE FIG. 2) "C" FORMAT: X.X
(SEE FIG. 2) "B" FORMAT: X.X
(SEE FIG. 2) "A" FORMAT: X.X

DO NOT LEAVE ANY SPACE BLANK,
EACH MUST CONTAIN A
NUMERIC CHARACTER 0 THRU 9.

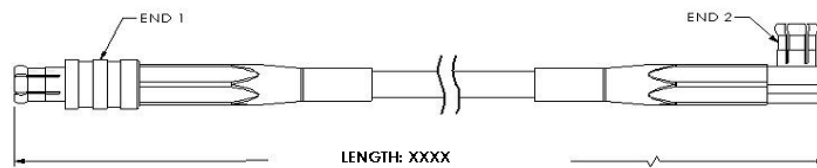


FIG 1

RF179-72SPX-72RPX-XXXX SHOWN
CABLE STRIPPING DIMENSIONS
PER END 1 AND END 2 ASSEMBLY PRINTS
OR STRIPPED AND TINNED
(SEE NOTES 11-15, SHEET 2, FIG. 3)

THIS PRODUCT MANUFACTURED
WITH LEAD-FREE PROCESSING

F:\DWG\MISC\MKTG\RF179-XXXXX-XXXXX-XXXX-MKT.SLDDRW

UNLESS OTHERWISE SPECIFIED,
DIMENSIONS ARE IN
MILLIMETERS [INCHES].
TOLERANCES ARE:
DECIMALS ANGLES
.X: ±0.3 [0.1] 2°
.XX: ±0.13 [0.05]
.XXX: ±0.051 [0.020]

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MATERIAL: DO NOT SCALE DRAWING SHEET SCALE: 2:1
SEE END 1 AND END 2 ASSEMBLY PRINTS

DESCRIPTION: RF179 CABLE ASSEMBLY

DWG. NO. RF179-XXXXX-XXXXXX-XXXX

BY: B. RAY 1-30-2007 SHEET 1 OF 4

REVISION T

-72SP
(STRAIGHT PLUG)

(USE DRAWING No. MCX7-P-C-XX-ST-CA3 FOR ASSEMBLY INSTRUCTIONS)



PLATING OPTIONS

1: 30μ" MIN. GOLD CENTER CONTACT
3μ" MIN. GOLD OUTER CONTACT
3μ" MIN. GOLD REMAINING METAL PARTS
(END CONNECTOR P/N: MCX7-P-C-H-ST-CA3)

2: 30μ" MIN. GOLD CENTER CONTACT
3μ" MIN. GOLD OUTER CONTACT
100μ" MIN. NICKEL REMAINING METAL PARTS
(END CONNECTOR P/N: MCX7-P-C-HN-ST-CA3)

NOTE: ALL CRITICAL DIMENSIONS ON MCX7-P-C-XX-ST-CA3 THAT APPLY MUST BE VERIFIED.

-72RP
(RIGHT ANGLE PLUG)

(USE DRAWING No. MCX7-P-C-XX-RA-CA3 FOR ASSEMBLY INSTRUCTIONS)



PLATING OPTIONS

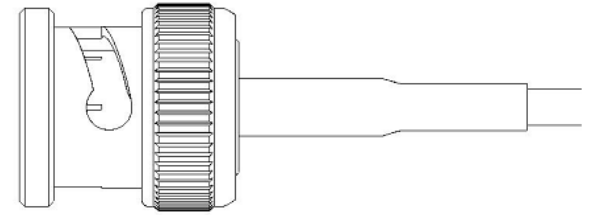
1: 30μ" MIN. GOLD CENTER CONTACT
3μ" MIN. GOLD OUTER CONTACT
3μ" MIN. GOLD REMAINING METAL PARTS
(END CONNECTOR P/N: MCX7-P-C-H-RA-CA3)

2: 30μ" MIN. GOLD CENTER CONTACT
3μ" MIN. GOLD OUTER CONTACT
100μ" MIN. NICKEL REMAINING METAL PARTS
(END CONNECTOR P/N: MCX7-P-C-HN-RA-CA3)

NOTE: ALL CRITICAL DIMENSIONS ON MCX7-P-C-XX-RA-CA3 THAT APPLY MUST BE VERIFIED.

-74SP
(STRAIGHT PLUG)

(USE DRAWING No. BNC7T-P-C-XX-ST-CA3 FOR ASSEMBLY INSTRUCTIONS)



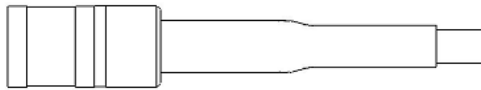
PLATING

3: 10μ" MIN. GOLD CENTER CONTACT
100μ" MIN. NICKEL OUTER CONTACT
100μ" MIN. NICKEL REMAINING METAL PARTS
(END CONNECTOR P/N: BNC7T-P-C-GN-ST-CA3)

NOTE: ALL CRITICAL DIMENSIONS ON BNC7T-P-C-XX-ST-CA3 THAT APPLY MUST BE VERIFIED.

-77SP
(STRAIGHT PLUG)

(USE DRAWING No. SMB7H-P-C-XX-ST-CA3 FOR ASSEMBLY INSTRUCTIONS)



PLATING OPTIONS

1: 30μ" MIN. GOLD CENTER CONTACT
3μ" MIN. GOLD OUTER CONTACT
3μ" MIN. GOLD REMAINING METAL PARTS
(END CONNECTOR P/N: SMB7H-P-C-H-ST-CA3)

2: 30μ" MIN. GOLD CENTER CONTACT
3μ" MIN. GOLD OUTER CONTACT
100μ" MIN. NICKEL REMAINING METAL PARTS
(END CONNECTOR P/N: SMB7H-P-C-HN-ST-CA3)

NOTE: ALL CRITICAL DIMENSIONS ON SMB7H-P-C-XX-ST-CA3 THAT APPLY MUST BE VERIFIED.

-77RP
(RIGHT ANGLE PLUG)

(USE DRAWING No. SMB7H-P-C-XX-RA-CA3 FOR ASSEMBLY INSTRUCTIONS)



PLATING OPTIONS

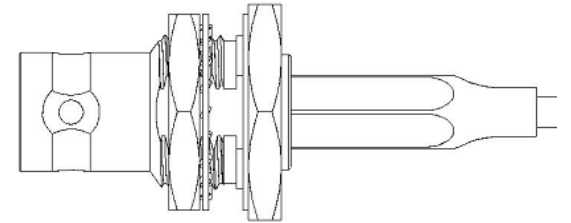
1: 30μ" MIN. GOLD CENTER CONTACT
3μ" MIN. GOLD OUTER CONTACT
3μ" MIN. GOLD REMAINING METAL PARTS
(END CONNECTOR P/N: SMB7H-P-C-H-RA-CA3)

2: 30μ" MIN. GOLD CENTER CONTACT
3μ" MIN. GOLD OUTER CONTACT
100μ" MIN. NICKEL REMAINING METAL PARTS
(END CONNECTOR P/N: SMB7H-P-C-HN-RA-CA3)

NOTE: ALL CRITICAL DIMENSIONS ON SMB7H-P-C-XX-RA-CA3 THAT APPLY MUST BE VERIFIED.

-74BJ
(STRAIGHT BULKHEAD JACK)

(USE DRAWING No. BNC7T-J-C-XX-ST-BH3 FOR ASSEMBLY INSTRUCTIONS)



PLATING OPTIONS

2: 30μ" MIN. GOLD CENTER CONTACT
100μ" MIN. NICKEL OUTER CONTACT
100μ" MIN. NICKEL REMAINING METAL PARTS
(END CONNECTOR P/N: BNC7T-J-C-HN-ST-BH3)

3: 10μ" MIN. GOLD CENTER CONTACT
100μ" MIN. NICKEL OUTER CONTACT
100μ" MIN. NICKEL REMAINING METAL PARTS
(END CONNECTOR P/N: BNC7T-J-C-GN-ST-BH3)

NOTE: ALL CRITICAL DIMENSIONS ON BNC7T-J-C-XX-ST-BH3 THAT APPLY MUST BE VERIFIED.

FIG. 3
RF179-72SPX-102148-XXXX SHOWN

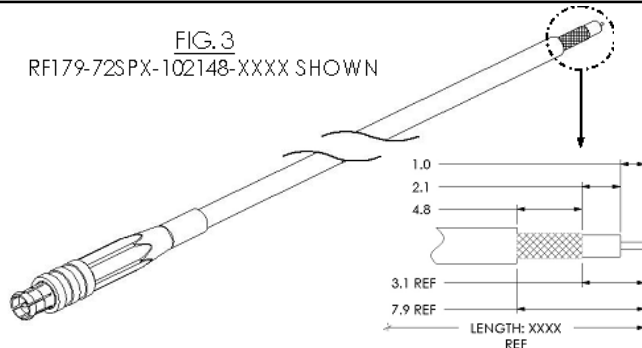
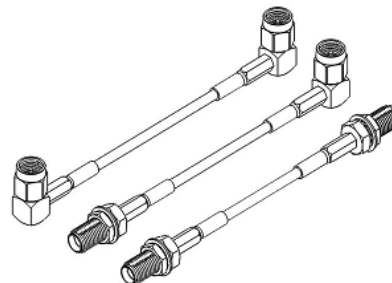


FIG. 4
(SEE NOTE 16)



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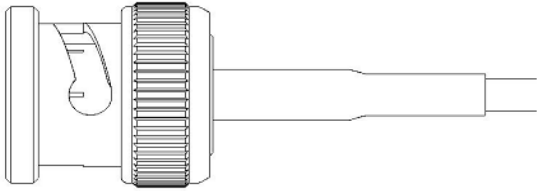
DESCRIPTION:
RF179 CABLE ASSEMBLY

DWG. NO.
RF179-XXXXX-XXXXXX-XXXX

BY: B. RAY 1-30-2007 SHEET 2 OF 4

-D4SP
(DIE CAST STRAIGHT PLUG)

(USE DRAWING No. BNC7T-P-C-XX-ST-CA3D FOR ASSEMBLY INSTRUCTIONS)

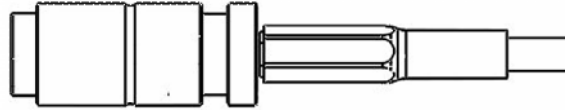


PLATING
3: 10µ" MIN. GOLD CENTER CONTACT
100µ" MIN. NICKEL OUTER CONTACT
100µ" MIN. NICKEL REMAINING METAL PARTS
(END CONNECTOR P/N: BNC7T-P-C-GN-ST-CA3D)

NOTE: ALL CRITICAL DIMENSIONS ON BNC7T-P-C-XX-ST-CA3D THAT APPLY MUST BE VERIFIED.

-78SP
(STRAIGHT PLUG)

(USE DRAWING No. DIN7A-PP-C-XX-ST-CA3 FOR ASSEMBLY INSTRUCTIONS)

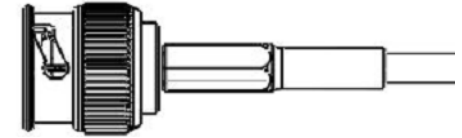


PLATING
4: 10µ" MIN. GOLD CENTER CONTACT
3µ" MIN. GOLD OUTER CONTACT
100µ" MIN. NICKEL REMAINING METAL PARTS
(END CONNECTOR P/N: DIN7A-PP-C-GF-ST-CA3)
5: 10µ" MIN. GOLD CENTER CONTACT
10µ" MIN. GOLD OUTER CONTACT
100µ" MIN. NICKEL REMAINING METAL PARTS
(END CONNECTOR P/N: DIN7A-PP-C-GG-ST-CA3)
6: 30µ" MIN. GOLD CENTER CONTACT
30µ" MIN. GOLD OUTER CONTACT
100µ" MIN. NICKEL REMAINING METAL PARTS
(END CONNECTOR P/N: DIN7A-PP-C-HH-ST-CA3)
8: 30µ" MIN. GOLD CENTER CONTACT
3µ" MIN. GOLD OUTER CONTACT
100µ" MIN. NICKEL REMAINING METAL PARTS
(END CONNECTOR P/N: DIN7A-PP-C-HF-ST-CA3)

NOTE: ALL CRITICAL DIMENSIONS ON DIN7A-PP-C-XX-ST-CA3 THAT APPLY MUST BE VERIFIED.

-79SP
(STRAIGHT PLUG)

(USE DRAWING No. MBNC7-P-C-XX-ST-CA3 FOR ASSEMBLY INSTRUCTIONS)

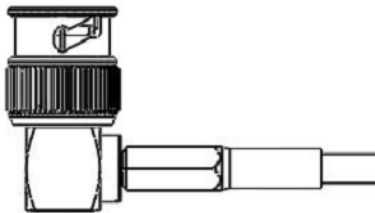


PLATING
2: 30µ" MIN. GOLD CENTER CONTACT
100µ" MIN. NICKEL OUTER CONTACT
100µ" MIN. NICKEL REMAINING METAL PARTS
(END CONNECTOR P/N: MBNC7-P-C-HN-ST-CA3)
3: 10µ" MIN. GOLD CENTER CONTACT
100µ" MIN. NICKEL OUTER CONTACT
100µ" MIN. NICKEL REMAINING METAL PARTS
(END CONNECTOR P/N: MBNC7-P-C-GN-ST-CA3)

NOTE: ALL CRITICAL DIMENSIONS ON MBNC7-P-C-XX-ST-CA3 THAT APPLY MUST BE VERIFIED.

-79RP
(RIGHT ANGLE)

(USE DRAWING No. MBNC7-P-C-XX-RA-CA3 FOR ASSEMBLY INSTRUCTIONS)



PLATING
2: 30µ" MIN. GOLD CENTER CONTACT
100µ" MIN. NICKEL OUTER CONTACT
100µ" MIN. NICKEL REMAINING METAL PARTS
(END CONNECTOR P/N: MBNC7-P-C-HN-RA-CA3)

3: 10µ" MIN. GOLD CENTER CONTACT
100µ" MIN. NICKEL OUTER CONTACT
100µ" MIN. NICKEL REMAINING METAL PARTS
(END CONNECTOR P/N: MBNC7-P-C-GN-RA-CA3)

NOTE: ALL CRITICAL DIMENSIONS ON MBNC7-P-C-XX-RA-CA3 THAT APPLY MUST BE VERIFIED.

*** -7GSP**
(STRAIGHT PLUG)

(USE DRAWING No. GRF7-P-C-XX-ST-CA3 FOR ASSEMBLY INSTRUCTIONS)



PLATING
T: 30µ" MIN. GOLD CENTER CONTACT
3µ" MIN. GOLD OUTER CONTACT
3µ" MIN. GOLD REMAINING METAL PARTS
(END CONNECTOR P/N: GRF7-P-C-HF-ST-CA3)

4: 10µ" MIN. GOLD CENTER CONTACT
3µ" MIN. GOLD OUTER CONTACT
100µ" MIN. NICKEL REMAINING METAL PARTS
(END CONNECTOR P/N: GRF7-P-C-GF-ST-CA3)

NOTE: ALL CRITICAL DIMENSIONS ON GRF7-P-C-XX-ST-CA3 THAT APPLY MUST BE VERIFIED.

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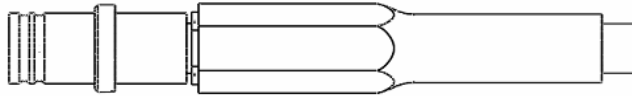
| | |
|--------------------------------------|-----------|
| DESCRIPTION: RF179 CABLE ASSEMBLY | |
| DWG. NO. RF179-XXXXX-XXXXXX-XXXX | |
| BY: B. RAY | 1-30-2007 |
| SHEET 3 OF 4 | |

REVISION T



*** -7GSJ**
(STRAIGHT JACK)

(USE DRAWING No. GRF7-J-C-XX-ST-CA3
FOR ASSEMBLY INSTRUCTIONS)



PLATING

1: 30µ" MIN. GOLD CENTER CONTACT
3µ" MIN. GOLD OUTER CONTACT
3µ" MIN. GOLD REMAINING METAL PARTS
(END CONNECTOR P/N: GRF7-J-C-HF-ST-CA3)

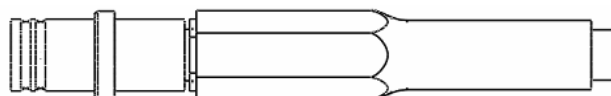
4: 10µ" MIN. GOLD CENTER CONTACT
3µ" MIN. GOLD OUTER CONTACT
100µ" MIN. NICKEL REMAINING METAL PARTS
(END CONNECTOR P/N: GRF7-J-C-GF-ST-CA3)

NOTE: ALL CRITICAL DIMENSIONS ON GRF7-J-C-XX-ST-CA3
THAT APPLY MUST BE VERIFIED.



*** -7VSJ**
(STRAIGHT JACK)

(USE DRAWING No. GRF7V-J-C-XX-ST-CA3
FOR ASSEMBLY INSTRUCTIONS)



PLATING

1: 30µ" MIN. GOLD CENTER CONTACT
3µ" MIN. GOLD OUTER CONTACT
3µ" MIN. GOLD REMAINING METAL PARTS
(END CONNECTOR P/N: GRF7V-J-C-HF-ST-CA3)

4: 10µ" MIN. GOLD CENTER CONTACT
3µ" MIN. GOLD OUTER CONTACT
100µ" MIN. NICKEL REMAINING METAL PARTS
(END CONNECTOR P/N: GRF7V-J-C-GF-ST-CA3)

NOTE: ALL CRITICAL DIMENSIONS ON GRF7V-J-C-XX-ST-CA3
THAT APPLY MUST BE VERIFIED.



*** -7VRP**
(RIGHT ANGLE PLUG)

(USE DRAWING No. GRF7V-P-C-XX-RA-CA3
FOR ASSEMBLY INSTRUCTIONS)



PLATING

1: 30µ" MIN. GOLD CENTER CONTACT
3µ" MIN. GOLD OUTER CONTACT
3µ" MIN. GOLD REMAINING METAL PARTS
(END CONNECTOR P/N: GRF7V-P-C-HF-RA-CA3)

4: 10µ" MIN. GOLD CENTER CONTACT
3µ" MIN. GOLD OUTER CONTACT
100µ" MIN. NICKEL REMAINING METAL PARTS
(END CONNECTOR P/N: GRF7V-P-C-GF-RA-CA3)

NOTE: ALL CRITICAL DIMENSIONS ON GRF7V-P-C-XX-RA-CA3
THAT APPLY MUST BE VERIFIED.

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DESCRIPTION:

RF179 CABLE ASSEMBLY

DWG. NO.

RF179-XXXXX-XXXXXX-XXXX

BY: B. RAY

1-30-2007

SHEET 4 OF 4

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