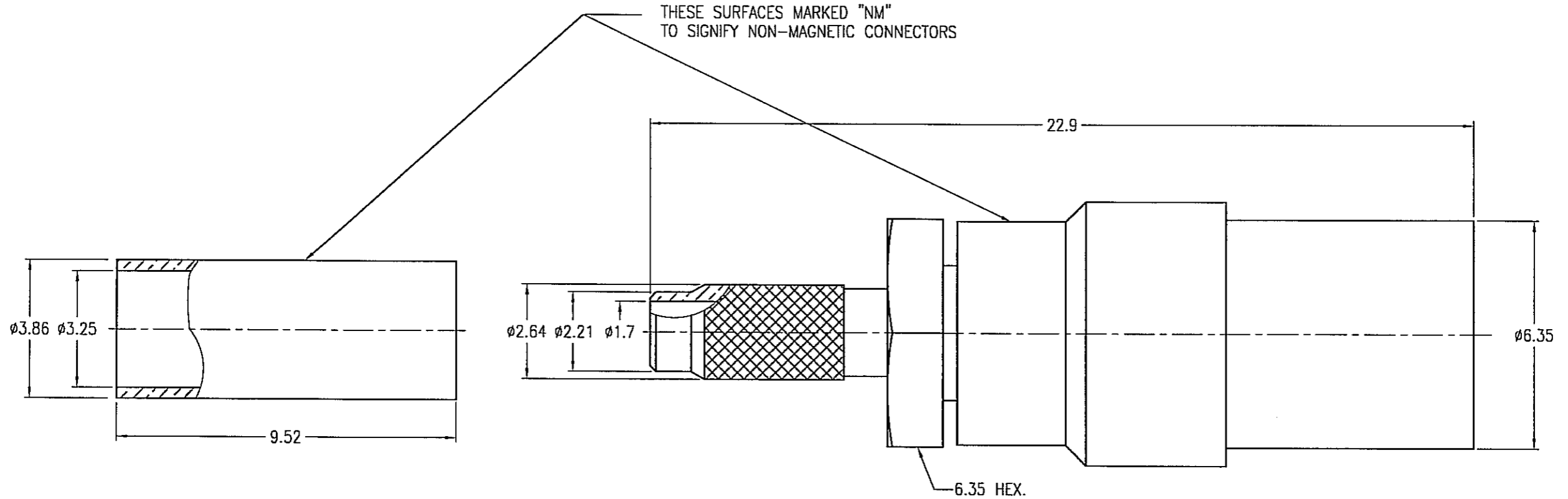


NOTES:

1. MATERIALS AND FINISHES (PLATING THICKNESS IN MICRO-INCHES):  
 BODY - BERYLLIUM COPPER, WHITE BRONZE PLATING (COPPER-TIN-ZINC)  
 CONTACT - BERYLLIUM COPPER, GOLD PLATING  
 INSULATOR - PTFE
2. ELECTRICAL:  
 A. IMPEDANCE: 50 OHM  
 B. FREQUENCY RANGE: DC 0-4 GHz  
 C. VSWR (RETURN LOSS): 1.3 MAX.  
 D. DIELECTRIC WITHSTANDING VOLTAGE: 1000 VRMS, MIN.
3. MECHANICAL:  
 A. DURABILITY: 500 CYCLES MIN.  
 B. TEMPERATURE RANGE: - 40°C to +155°C
4. OTHER  
 A. CRIMPED FERRULE: HEX CRIMP SIZE .128"  
 B. SOLDER CONTACT CONDUCTOR

|                   |     |                 |        |       |       |
|-------------------|-----|-----------------|--------|-------|-------|
| 903-NM285P-51S    |     | REVISIONS       |        |       |       |
| PART NO.          | REV | DESCRIPTION     | DATE   | ECO   | APPR  |
| THIRD ANGLE PROJ. | A   | RELEASE TO MFG. | 8/8/06 | 46108 | CISSY |



**CUSTOMER OUTLINE DRAWING**  
ALL OTHER SHEETS ARE FOR INTERNAL USE ONLY

UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN METRIC AND TOLERANCES ARE:  
 0.5 - 6mm ±0.1mm    6 - 30mm ±0.2mm    30 - 120mm ± 0.3mm    ANGLES ±1°

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|                           |                                          |                   |                                                                                |                                                                                    |                         |
|---------------------------|------------------------------------------|-------------------|--------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-------------------------|
| MATERIAL                  | DRAWN<br>CISSY                           | DATE<br>29-Jul-06 | TITLE<br>SMB 50 OHM PLUG,<br>CRIMP FOR RG-174,<br>RG-188,316/U<br>NON MAGNETIC | Amphenol RF<br>Danbury CT USA, Tainan Taiwan, Shenzhen China<br>www.amphenolrf.com |                         |
| REFERENCE<br>903-285P-51S | ENGINEER<br>Geffery                      | DATE<br>29-Jul-06 | SCALE: 6/1                                                                     | SHEET 1 OF 1                                                                       | DRAWING NO.             |
| FINISH                    | APPROVED<br><i>B. Geffery</i>            | DATE<br>8-8-06    | DWG SIZE<br>B                                                                  | CODE ID<br>74868                                                                   | ITEM NO.                |
|                           | CAD FILE<br>F:\DWG\CNPD\903\NM285P\51SSZ |                   | REV<br>A                                                                       |                                                                                    | PART NO. 903-NM285P-51S |