

NOTES:

REFERENCE STANDARD IEC60169-4

I. ELECTRIC PERFORMANCE

- IMPEDANCE (Ω) : 50±2
- FREQUENCY RANGE : DC - 3.7GHz
- VSWR : ≤ 1.06
- INSERTION LOSS(dB)@ (2GHz) : < 0.05
- PIM(dBc) : ≤-160 (2x43 dBm)
- INSULATION RESISTANCE ($M\Omega$) : >10000
- WORKING VOLTAGE (V) : 2700
- CONDUCTOR RESISTANCE ($m\Omega$) : OUTER CONDUCTOR <0.2
INNER CONDUCTOR <0.8

II. MECHANICAL PERFORMANCE

- NUT TORQUE : 25N.m
- (NUT) WHORL PULL : 1000Nm
- TENSILE FORCE (CABLE-CONNECTOR) : 500N
- TORSION (CABLE-CONNECTOR) : 5N.m

III. ENVIRONMENT

- TEMP RANGE : -40 °C ~+85 °C
- THERMAL SHOCK : US MIL-STD 202,Meth.107,Cond.B
- VIBRATION : US MIL-STD 202,Meth.204,Cond.B
- SHOCK : US MIL-STD 202,Meth.213,Cond.I
- WEATHER STANDARD : IEC 68 40 /085/21
- WEATHER PROOFING STANDARD :IP68

IV. ASSEMBLY: INNER AND OUTER CONDUCTOR INSTALLED

V. ROHS COMPLIANT.

272FPH5

DRAWING NO.

THIRD ANGLE PROJ.



REV

NC

A

B

REVISIONS

DESCRIPTION

RELEASE TO MFG.

UPDATED DRAWING

MODIFY ELECTRICAL SPECIFICATIONS,CORRECT BOM

DATE

31-Oct-06

20-Aug-12

25-Mar-13

ECO

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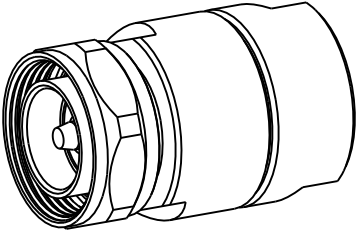
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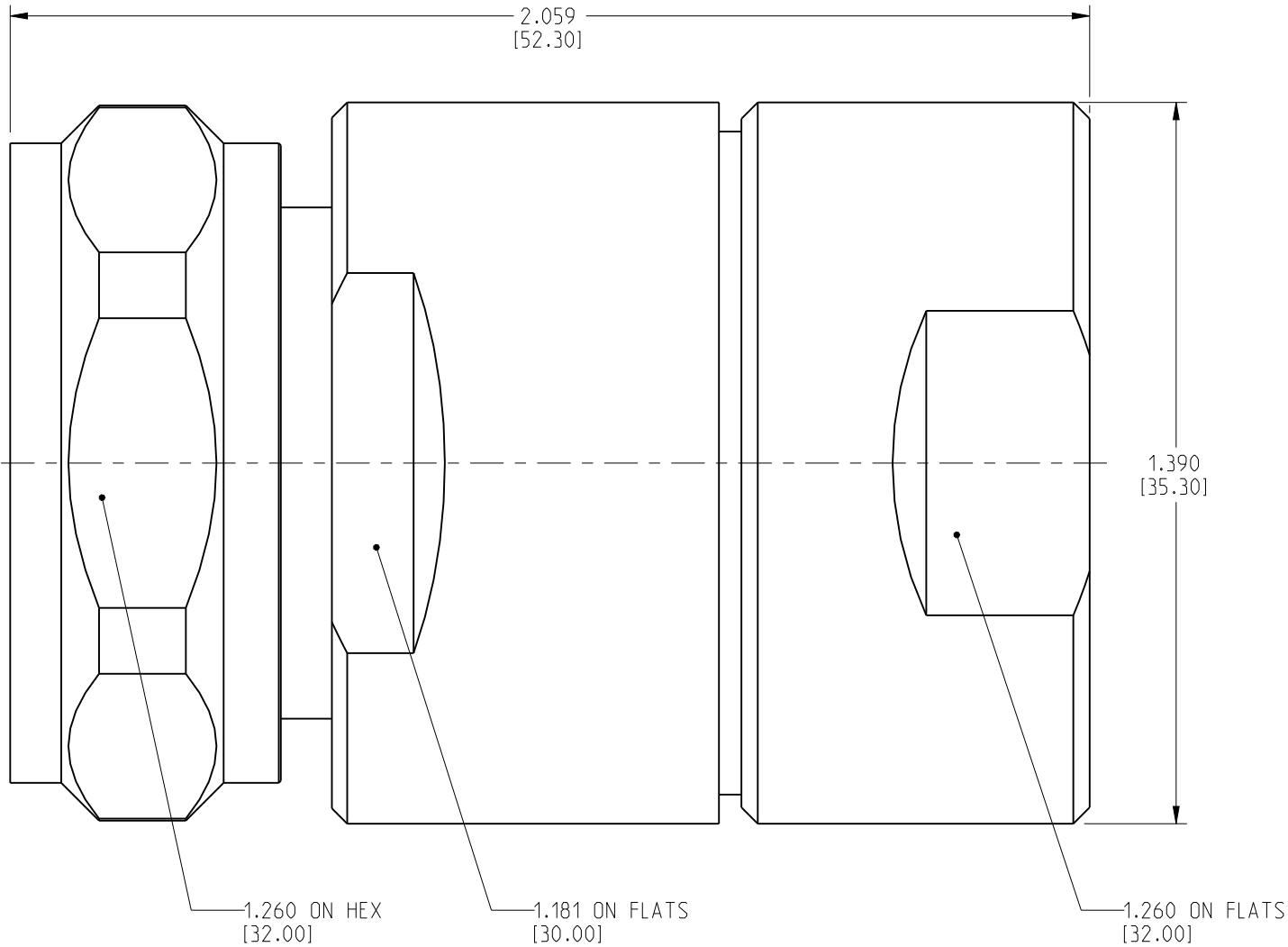
APPR

MG

MB



SCALE 0.750



5	NUT	BRASS	NICKEL
4	INSULATOR	TPX	NATURAL
3	O-RING	SILICONE RUBBER	
2	OUTER CONDUCTOR	BRASS	WHITE BRONZE
1	INNER CONDUCTOR	BRASS	SILVER
S.NO	DESCRIPTION	MATERIAL	FINISH

UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES AND TOLERANCES ARE:
2 PLACE DECIMAL 3 PLACE DECIMAL ANGLES
±.015 (0,381 mm) ±.005 (0,127 mm) ± 1°

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MATERIAL

SEE TABLE

REFERENCE

DRAWN

GOPI M

ENGINEER

GOPI M

APPROVED

CAD FILE

DATE

25-Mar-13

DATE

25-Mar-13

DATE

TITLE

7/16 STRAIGHT PLUG
FOR 7/8" HELICAL
(FSJ) CABLE

Amphenol
Connex

SCALE: 3.0:1

SHEET 1 OF 1

DWG SIZE

B

DRAWING NO.

272FPH5

REV

B