

CONTROL DRAWING

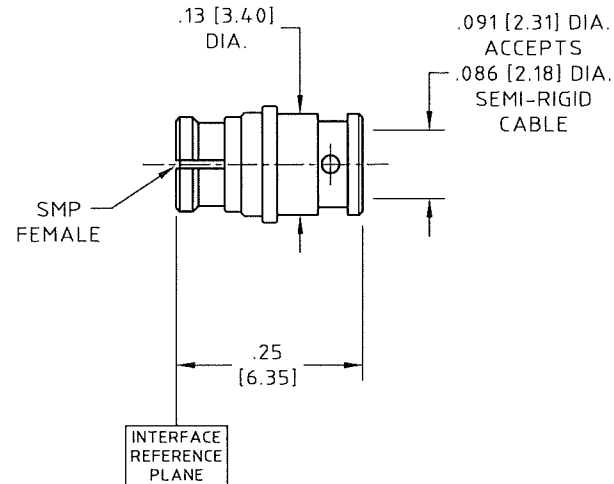
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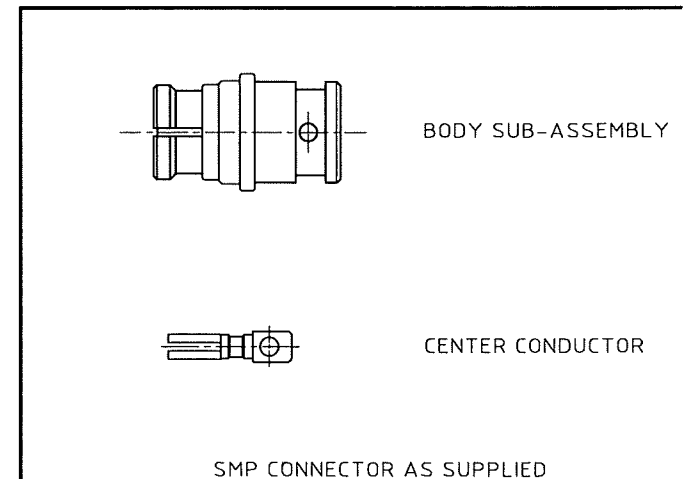
RoHS 6 COMPLIANT

NOTES:

- DESCRIPTION
CONNECTOR, SMP FEMALE FOR
.086 DIA. SEMI-RIGID CABLE.
- MATERIALS AND FINISHES
CENTER CONDUCTOR, SMP BODY AND EMI RING
BERYLLIUM COPPER ALLOY PER ASTM B-196,
UNS No. C17300, TEMPER TD04(H),
GOLD PLATED 4 μ N. [0.1 μ M] MIN. THK.
PER ASTM B-488, CODE C, TYPE I, CLASS 0.25,
OVER
NICKEL PLATE, 80 μ N. [2.0 μ M] MIN. THK.
PER ASTM B-733, TYPE V, CLASS 3,
OVER
COPPER FLASH, 4 μ N. [0.1 μ M] MIN. THK.
PER SAE-AMS-2418.
DIELECTRIC,
POLYTETRAFLUOROETHYLENE (PTFE) PER
ASTM D-1710, OR ASTM D-4894,
TYPE I, GRADE 1.
- ELECTRICAL CHARACTERISTICS:
IMPEDANCE
50.0 Ohms NOMINAL.
FREQUENCY
40.0 GHz MAX.
- CONNECTOR MEETS MIL-STD-348 AND
DSCC SPECIFICATION 94008.
- OPERATING TEMPERATURE RANGE
-55° C TO +125° C
- ATTACHMENT METHOD,
CENTER CONDUCTOR,
SOLDERED
OUTER CONDUCTOR,
SOLDERED.



METRIC TOLERANCE			
DIMENSION		TOLERANCE	
INCHES	MM	INCHES	MM
.X	[X.]	±.015	[±0.5]
.XX	[X.X]	±.010	[±0.3]
.XXX	[X.XX]	±.002	[±0.05]
.XXXX	[X.XXX]	±.0005	[±0.013]



SAP ID: 80377838

UNLESS OTHERWISE SPECIFIED
CONCENTRICITY .004 T.I.R.
CORNERS AND FILLETS .005
MAX. RADIUS OR CHAMFER.
SURFACE FINISH 63 RMS
MICROINCHES OR BETTER.

FRACTIONS	± 1/16
X	± .030
XX	± .015
XXX	± .005
ANGLES	± 1°

DO NOT SCALE DRAWING

NAME	DATE		
PREP. SO <i>ENG 07</i>	02/16/16		
ELEC. <i>M.G.</i>	02/17/16		
MECH. <i>LBH</i>	02/18/16		
Q.C.			
TITLE		THIS DRAWING CONTAINS PATENTABLE AND PROPRIETARY INFORMATION. THE DESIGN CANNOT BE USED WITHOUT WRITTEN PERMISSION OF HUBER + SUHRNER ASTROLAB.	
CONNECTOR, SMP FEMALE, .086 DIA. CABLE			
THDS. TO BE IN ACCORD WITH U.S. DEPT. OF COMM. SCREW THD. STDS. FOR FEDERAL SERVICES 1950 SUPPL. TO HANDBOOK H 28.	SCALE 4:1	CODE IDENT. 16301	DWG NO. 21_SMP-50-2-1/111_NE

REV.	DESCRIPTION	DATE	BY	APPROVED
A	ECN No. 17879	02/16/16	<i>SO</i>	<i>LBH</i>

Mouser Electronics

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