P/N	CABLE TYPE(S)	INTERFACE	FIGURE
-1CC	Ø .047 S/R	CATCHER'S MITT	1
-2CC	Ø .085 S/R	CATCHER'S MITT	1
-3CC	Ø .047 L/L	CATCHER'S MITT	1
-4CC	Ø .085 L/L	CATCHER'S MITT	1
-5CC	Ø .047 S/R	FULL DETENT	2
-6CC	Ø .085 S/R	FULL DETENT	2
-7CC	Ø .047 L/L	FULL DETENT	2
-8CC	Ø .085 L/L	FULL DETENT	2
-9CC	Ø .047 S/R	LIMITED DETENT	2
-10CC	Ø .085 S/R	LIMITED DETENT	2
-11CC	Ø .047 L/L	LIMITED DETENT	2
-12CC	Ø .085 L/L	LIMITED DETENT	2
-13CC	Ø .085 S/R	LIMITED DETENT/ CATCHER'S MITT	3

REVISIONS			
REV	DESCRIPTION	DATE	BY
H	ECO 13797	10.11.01	AGS
J	ECO 19067	03.02.06	DKN
K	ECO 202352 (ADD NEW NAME)	11.25.24	DKN

NOTE:
MOUNT, CENTER CONDUCTOR & DIELECTRIC STOP TO BE PACKAGED AND SHIPPED UNASSEMBLED.

MATERIAL:

Body:
303 sst per ASTM A-582 or
BeCu alloy per ASTM B-196.
Center Conductor:
BeCu alloy per ASTM B-196.
Mount:
303 sst per ASTM A-582.
Dielectric:
PTFE per ASTM D-1710.
Dielectric Stop:
Polyetherekeytone (PEEK)

ELECTRICAL:

Impedance: 50 Ohms nominal.
Frequency Range: DC to 18.0 GHz.
VSWR: 1.15:1 max to 18GHz
Insertion Loss: .10 dB max to 18GHz
Working Voltage: 335 Vrms max @ sea level.
Dielectric Withstanding Voltage: 500 Vrms min.
R.F. HiPot Voltage: 325 Vrms min @ 5MHz.
Corona Level: 190 Vrms @ 70,000 ft.
Insulation Resistance: 5000 MegOhms min.
Contact Resistance:
Center Contact: 4.0 Milliohm max.
R.F. Leakage: -80 dB max to 3GHz
-65 dB max to 18GHz

MECHANICAL:

Mating Characteristics:
Interface per Mil-Std-348.
Force To Engage:
Full Detent: 15 lbs max
Limited Detent: 10 lbs max
Catchers Mitt: 2 lbs max
Force To Disengage:
Full Detent: 5 lbs min
Limited Detent: 2 lbs min
Catchers Mitt: .5 lbs min
Connector Durability:
Full Detent: 100 cycles
Limited Detent: 500 cycles
Catchers Mitt: 1000 cycles

ENVIRONMENTAL:

Temperature Range: -65°C to +165°C.
Thermal Shock:
Mil-Std-202, Method 107, Test Cond. B.
Moisture Resistance:
Mil-Std-202, Method 106, except step 7b shall be omitted. Insulation resistance at least 1000 MegOhms within 5 minutes after removal from humidity.
Corrosion:
Mil-Std-202, Method 101, Test Cond. B.
Vibration:
Mil-Std-202, Method 204, Test Cond. D.
Shock:
Mil-Std-202, Method 213, Test Cond. I.

FINISH:

Mount:
Passivate per ASTM A-967.
Body & Center Conductor:
Gold plate per ASTM B-488, Type II, Code C or D, Class 1.25; over nickel under plate per SAE-AMS-QQ-N-290, Class 1.

APPLICABLE Amphenol CDI DOCUMENTS

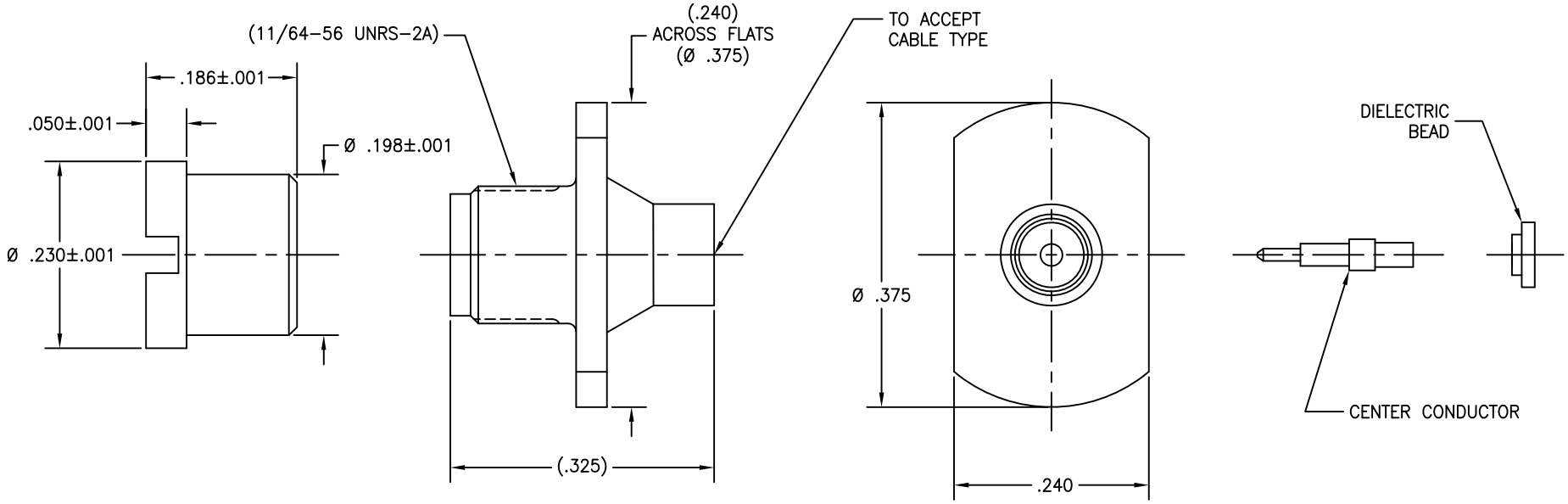
WORK STD	PROD INST	ASSY INST
NA	NA	AI-313
		AI-314

TOLERANCES AND NOTES EXCEPT AS NOTED
INTERPRET DRAWING PER ASME Y14.5-2018
DIMENSIONS ARE IN INCHES:
LINEAR .XX ±.015 .XXX ±.005 ANGULAR ± 1/2°
FRACTION ± 1/32

1. MACHINE FINISH: 63 RMS
2. BREAK ALL SHARP EDGES .003 MAX.
3. MACHINED FILLETS .005 MAX.
4. MACHINED SURFACES SQUARE TO RESPECTIVE AXIS WITHIN .005 INCHES PER INCH.
5. MACHINED DIAMETERS CONCENTRIC WITHIN .002 T.I.R.
6. DIMENSIONS TO BE MET BEFORE PLATING.
7. CHAMFER ALL THREADS 45°.
8. THREADS PER H-28.
9. REMOVE FRAYED EDGES ON TEFLON.
10. REMOVE ALL BURRS.

–		–	–		–
MATERIAL			SPECIFICATION		PROCUREMENT
APPROVAL	INITIALS	DATE			
DRAWN BY	P.MAO	8/14/97	Amphenol CDI	12900 Alondra Blvd. Cerritos, CA 90703	
CHECKED BY			TITLE	SMP MALE BULKHEAD PANEL MOUNT TO SEMI-RIGID CABLE	
TEST ENGG					
QUALITY			SCALE 10/1	DIRECTORY\SUB-DIRECTORY _OUTLINE\	SHEET 1 OF 3
DESIGN ENGG	DNg	03/02/06			
MFG ENGG			SIZE C	CAGE CODE 30990	DRAWING NO. P662 REV. K
ECO APPRV	DNg	11.25.24			

ENG-DWG REV. H



SCALE	DIRECTORY\SUB-DIRECTORY	SHEET
10/1	_OUTLINE\	2 OF 3

SIZE	CAGE CODE	DRAWING NO.	REV.
C	30990	P662	K

ENG-DWG REV. H

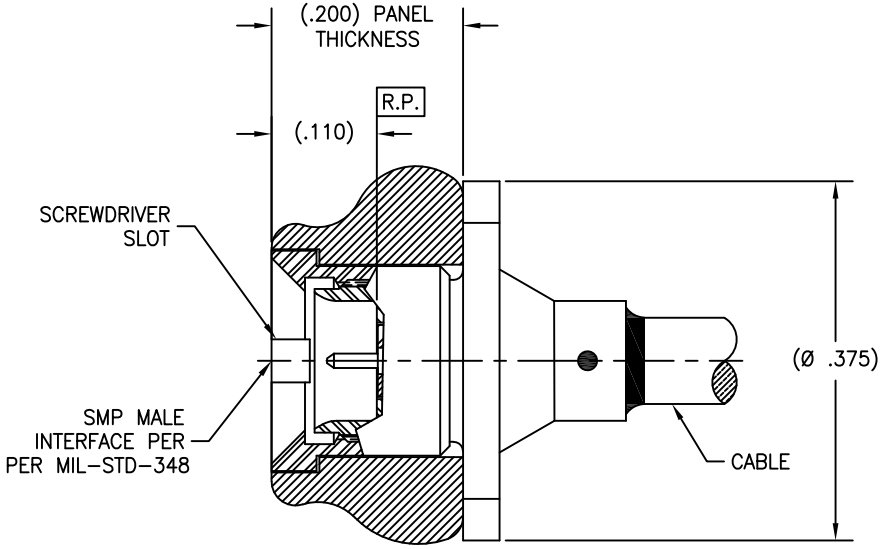


FIGURE 1

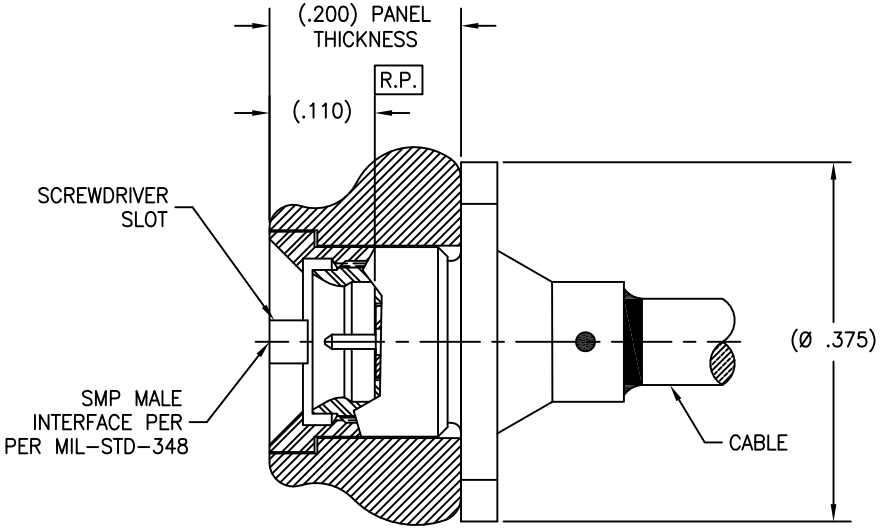


FIGURE 3

INSTALLED VIEW

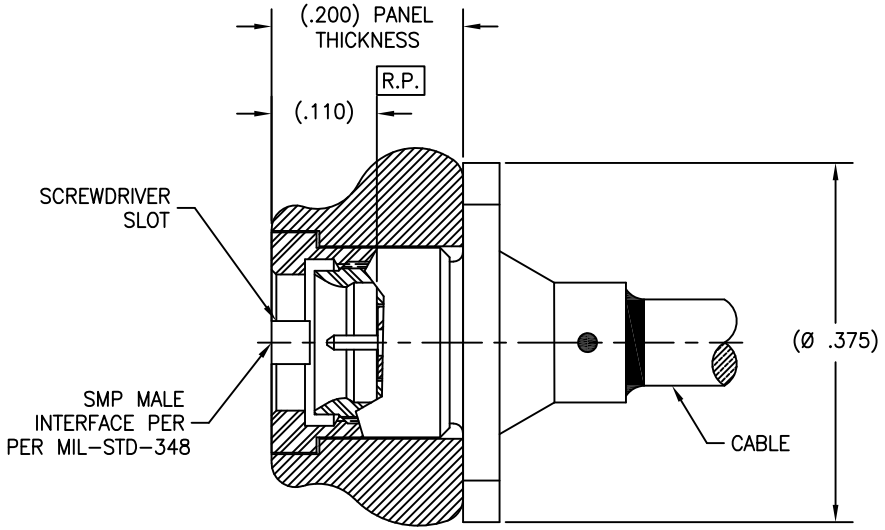
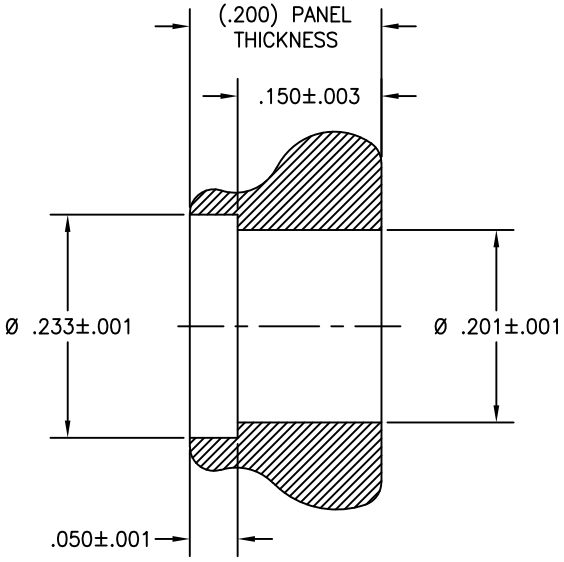


FIGURE 2

INSTALLED VIEW



RECOMMENDED PANEL HOLE

SCALE	DIRECTORY\SUB-DIRECTORY	SHEET	OF
10/1	_OUTLINE\	3	3
SIZE	CAGE CODE	DRAWING NO.	REV.
C	30990	P662	K

ENG-DWG REV. H