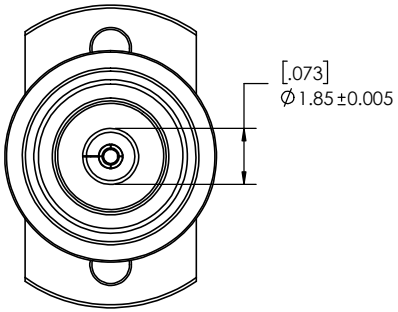
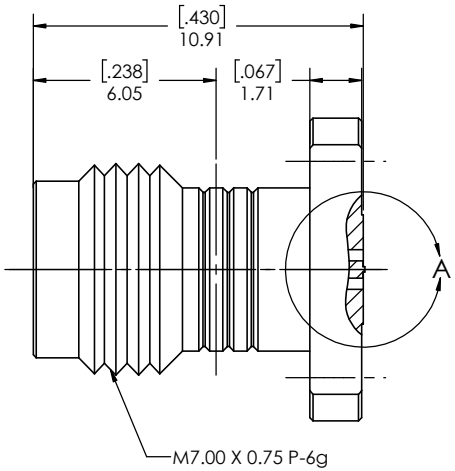
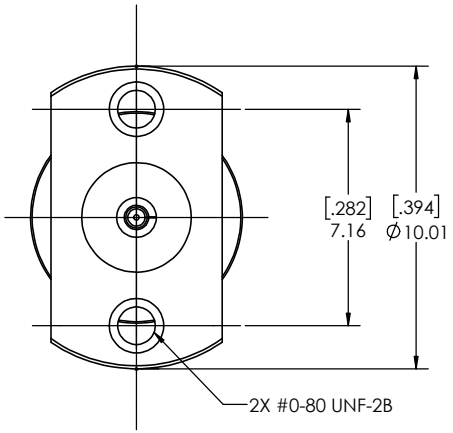
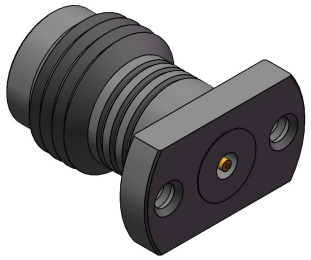
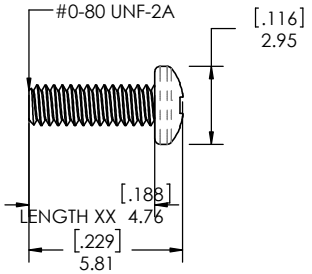
REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
-	INITIAL RELEASE	11/21/2018	DL
1	ADDED SHEET 2 PCB DEFINITION	2/20/2019	PV
2	UPD PCB (COMMON SL AND CPW)	5/13/2019	PV
4	CHANGED PN, WAS: TMB-V8F2-1L1	1/9/2020	PV
4	CHANGED DIM	1/21/2020	PV
5	UPD TO SHOW VERSIONE DESIGN	7/27/2020	FY
6	ADD MOUTING SREWS INFO TO TABLE	9/15/2021	JZ



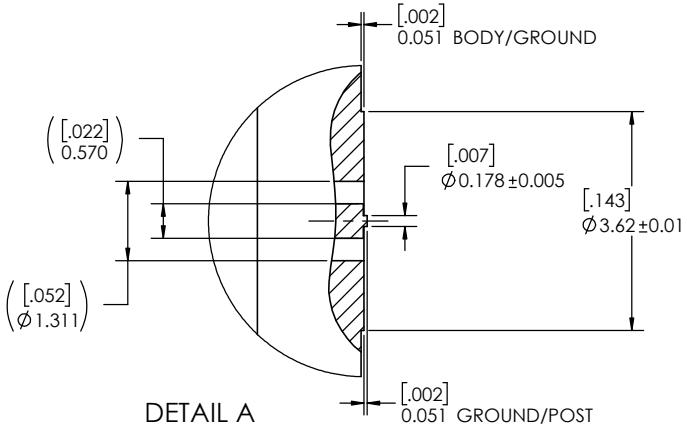




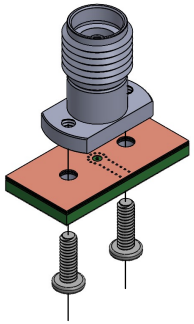


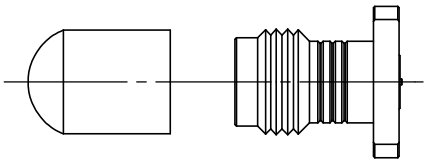


SCREW



DETAIL A
SCALE 16 : 1





PROTECTION CAP

NOTE(S):
1. These characteristics are typical and for reference.
2. See sheet 2 for PCB interface definition.
3. For questions please contact sales@amphenolcdi.com

MATERIAL(S):

Body:
Stainless Steel
Center Conductor:
Beryllium Copper
Insulator:
PCTFE, white
RoHS Compliant
Protective Cap:
Soft PVC
Color: Green
Mouting Srews:
Stainless Steel

FINISH(ES):

Body:
Passivated
Center Conductor:
Gold Plating
Mouting Srews:
Passivated

ELECTRICAL(S):

Impedence: 50 Ohms Nominal
Frequency Range: DC to 67 GHz
VSWR: 1.30 max at 67 GHz
Working Voltage: 500 V RMS max @ Sea Level
Dielectric Withstand Voltage: 500 V RMS max.
Insulation Resistance: 5000 megaohms min.
Contact Resistance:
Initial:
Center Contact: 3 Milliohms max
Outer Contact: 2.5 Milliohms max
Insertion Loss: <0.49 db @ 67 GHz

MECHANICAL(S):

Mating Characteristics:
Interface per MIL-STD-348
Force to Engage & Disengage:
Torque: 2 inch-pounds max
Longitudinal Force: NA
Connector Durability:
500 Cycles min.
Permeability: Less than 2.0 mu.
Center Contact Retention:
Axial Force: 6 pounds min.
Radial Force: NA

ENVIRONMENTAL(S):

Temperature Range: -55°C to +85°C
Moisture Resistance:
MIL-STD-202, Method 103, Test Condition B
Corrosion:
MIL-STD-202, Method 101, Test Condition B
Vibration:
MIL-STD-202, Method 204, Test Condition A
Shock:
MIL-STD-202, Method 213, Test Condition 1

RoHS 3 Compliant
EU 2015/863

DIMENSIONS ARE IN MILLIMETERS [INCHES]
± TOLERANCES UNLESS OTHERWISE NOTED

.X	.XX	.XXX	.XXXX	ANGLE
0.3mm [.012"]	0.15mm [.006"]	0.050mm [.002"]	0.010mm [.0004"]	0.5

NEXT ASSY. | USED ON
APPLICATION

THIRD ANGLE PROJECTION

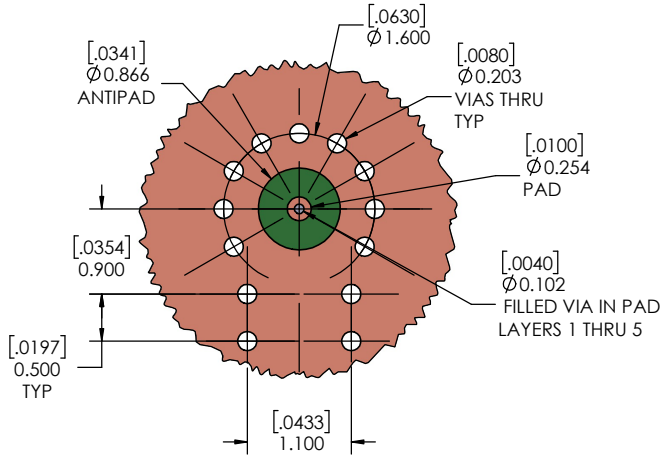
DESIGN ENGR: X XXXXXX XX/XX/XXXX
DESIGNED BY: X XXXXX XX/XX/XXXX
PRODUCT:
QUALITY:
MFG:

Amphenol CDI

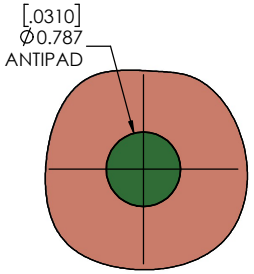
TITLE: 1.85mm FEMALE 2 HOLE FLANGE POST CONTACT

SIZE	CAGE CODE	PART NUMBER	REV
C	7M294	TMB-V8F2-3L1	6

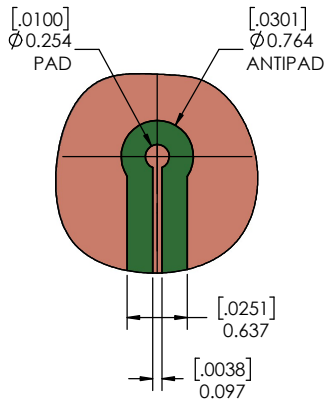
SCALE: 12:1 | DO NOT SCALE DRAWING | 1 OF 2



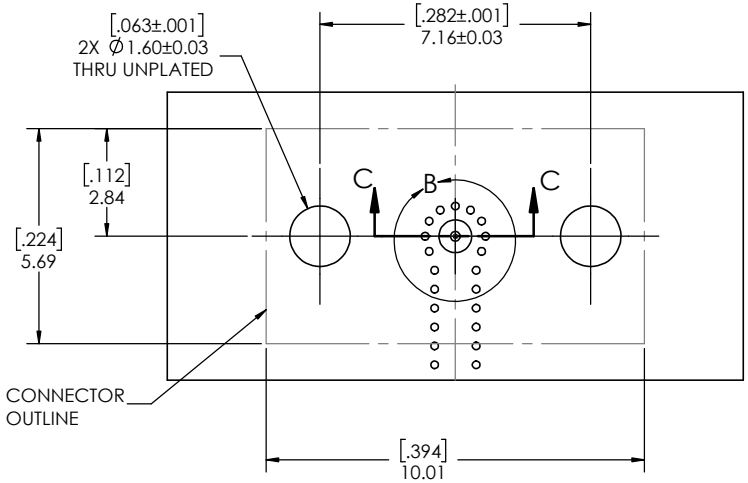
DETAIL B
SCALE 25 : 1
LAYER 1 (Cu)

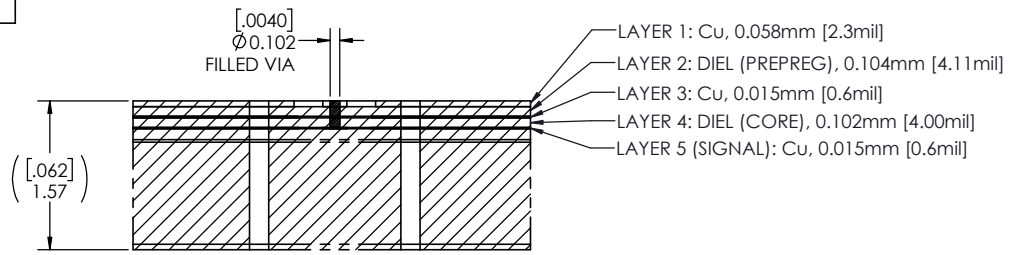


DETAIL B
SCALE 25:1
LAYER 3 (Cu)
VIAS NOT SHOWN FOR CLARITY



DETAIL B
SCALE 25:1
LAYER 5 (Cu)
VIAS NOT SHOWN FOR CLARITY





SECTION C-C
SCALE 25 : 1
PCB LAYER DEFINITION

PCB LAYOUT
(FOR REFERENCE ONLY)

Amphenol CDI	1.85mm FEMALE 2 HOLE FLANGE POST CONTACT	SIZE C	CAGE CODE 7M294	PART NUMBER TMB-V8F2-3L1	REV 6
		SCALE: 10:1		PART NUMBER:TMB-V8F2-3L1	2 OF 2