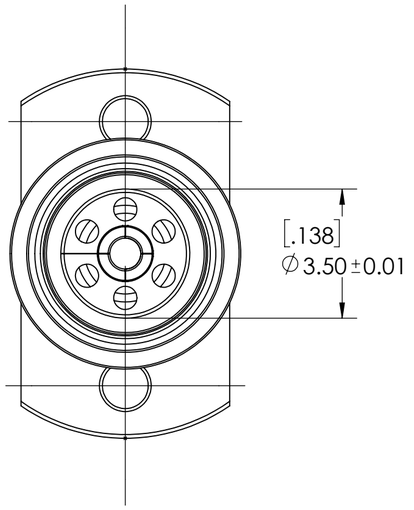
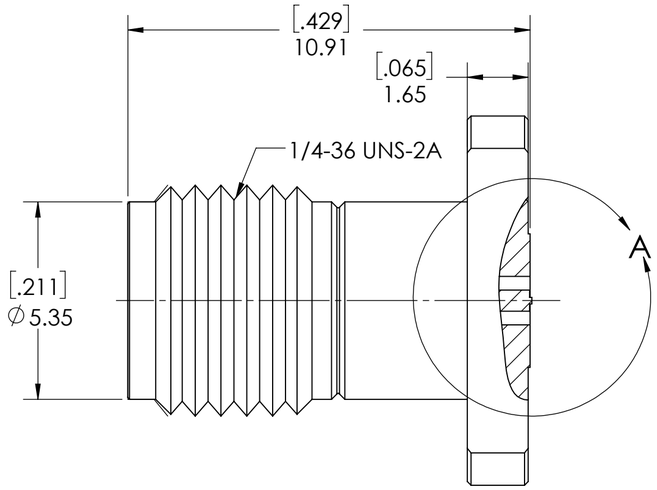
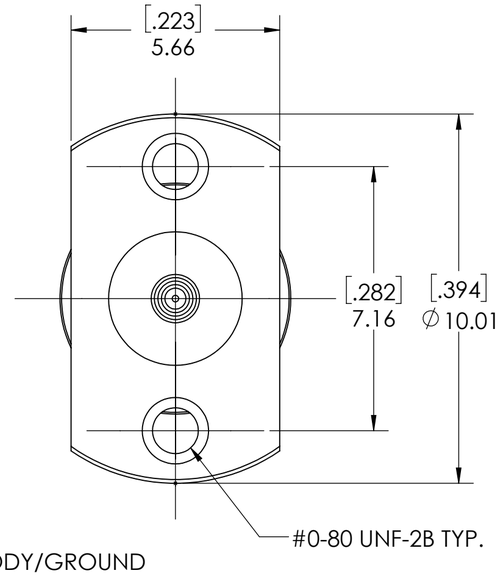
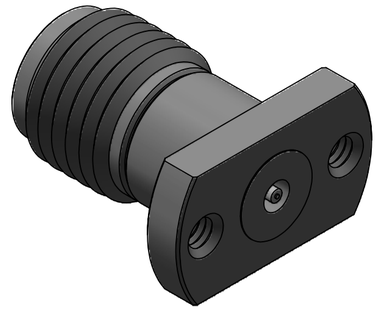
REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
-	INITIAL RELEASE	11/21/2018	DL
1	ADDED SHEET 2 PCB DEFINITION	2/15/2019	PV
2	UPD PCB (COMMON SL AND CPW)	5/13/2019	PV
3	CHANGED PN, WAS: TMB-V5F2-1L1	1/9/2020	PV
4	UPADTE TO SHIOW VERSION G DESIGN	2020/7/24	FY
5	SCREW DIMENSION CHANGE TO REF	2021/9/06	FY
6	ADD MOUNTING SCREWS INFO TO TABLE	2021/9/15	JZ

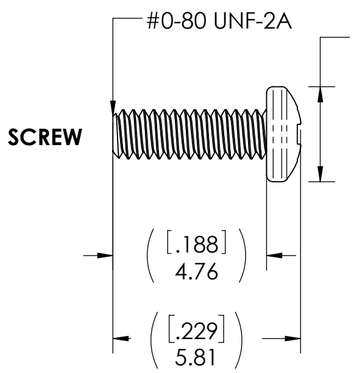


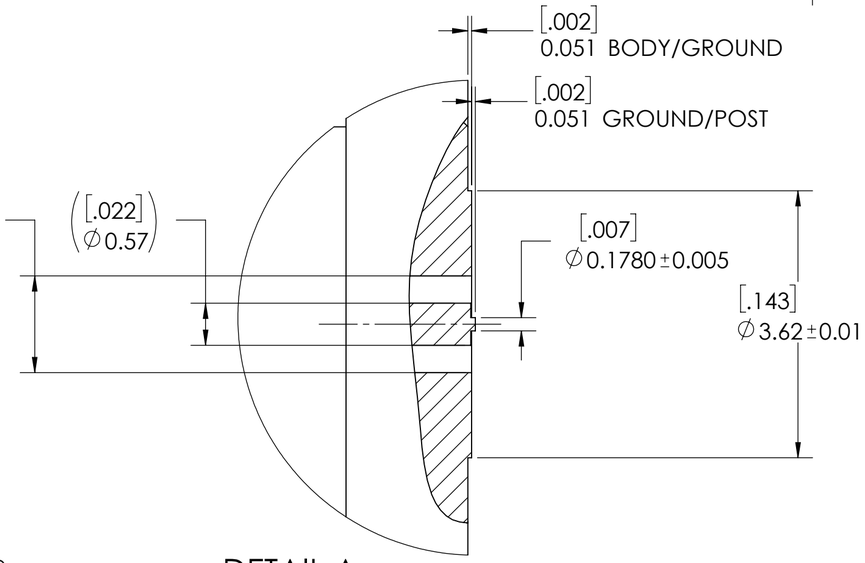




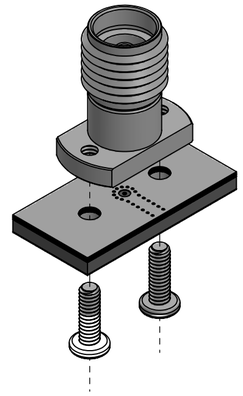


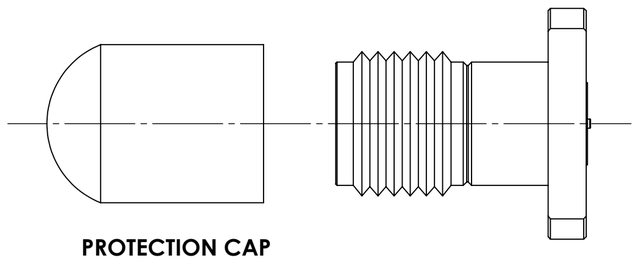
RoHS Compliant





DETAIL A
SCALE 16 : 1





PROTECTION CAP

NOTE(S):
1. These characteristics are typical and for reference.
2. 4759981010
3. DYH: 58-20002-44050G
4. See sheet 2 for PCB interface definition.

MATERIAL(S):

Body:
Stainless Steel
Mounting Screws:
Stainless Steel
Center Conductor:
Beryllium Copper
Insulator:
PCTFE, white
RoHS Compliant
Protective Cap:
Soft PVC
Color: White

ELECTRICAL(S):

Impedence: 50 Ohms Nominal
Frequency Range: DC to 34 GHz
VSWR: 1.25 max at 34 GHz
Working Voltage: 500 V RMS max @ Sea Level
Dielectric Withstand Voltage: 1000 V RMS max.
Insulation Resistance: 5000 Megaohms min.
Contact Resistance:
Initial:
Center Contact: 3 Milliohms max
Outer Contact: 2 Milliohms max
Insertion Loss: <0.35 db @ 34 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: -65˚C to +165˚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

FINISH(ES):

Body:
Passivated
Center Conductor:
Gold Plating
Mounting Screws:
Passivated

APPLICABLE CARLISLE IT DOCUMENTS

WORK STANDARD	PROD INSTRUC	ASSY INSTRUC
NA	NA	NA
-		

TOLERANCES AND NOTES
EXCEPT AS NOTED

THIRD ANGLE PROJECTION

SCALE 8:1

DIMENSIONS ARE IN [INCHES] MM

ANGLES ±2°

.XX DECIMALS ±.063
.XXX DECIMALS ±.01

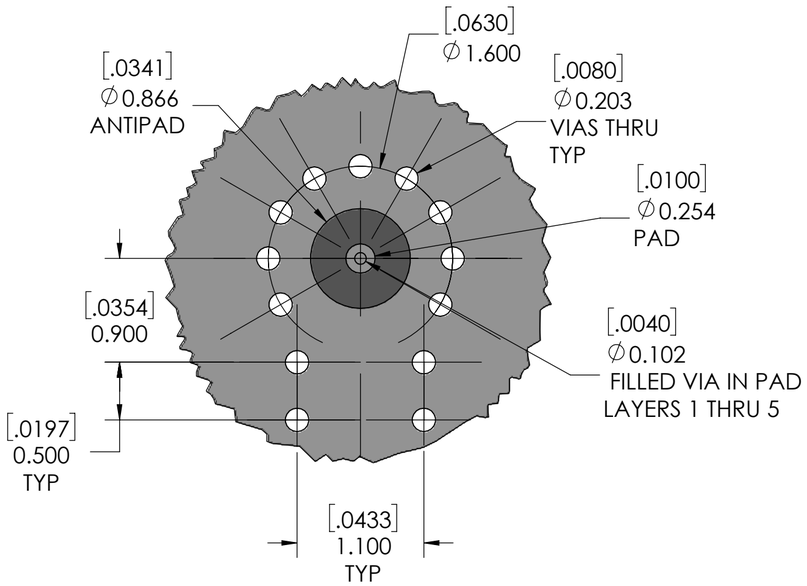
APPROVAL	INITIALS	DATE
DRAWN BY	DL	11/21/18
CHECKED BY	KM	11/21/18
DESIGN ENG		
APPR BY		

CARLISLE INTERCONNECT TECHNOLOGIES
Dongguan City, Guangdong P.R. China 523533

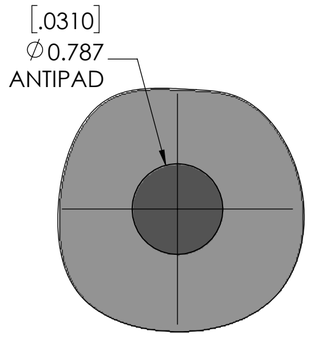
TITLE: 3.50mm FEMALE 2 HOLE FLANGE POST CONTACT

SCALE 8:1 | SUB-DIRECTORY/ OUTLINE/ | SHEET 1 OF 2

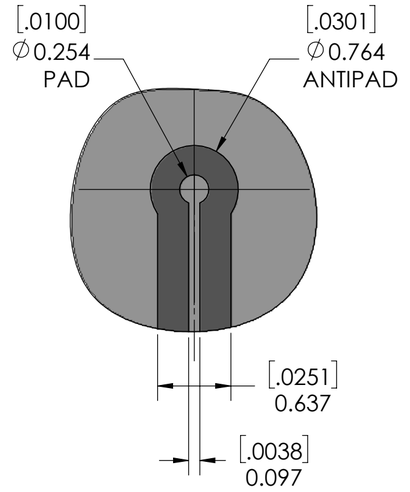
SIZE C | DRAWING NO. 3 TMB-V5F2-XL1 | REV. 6



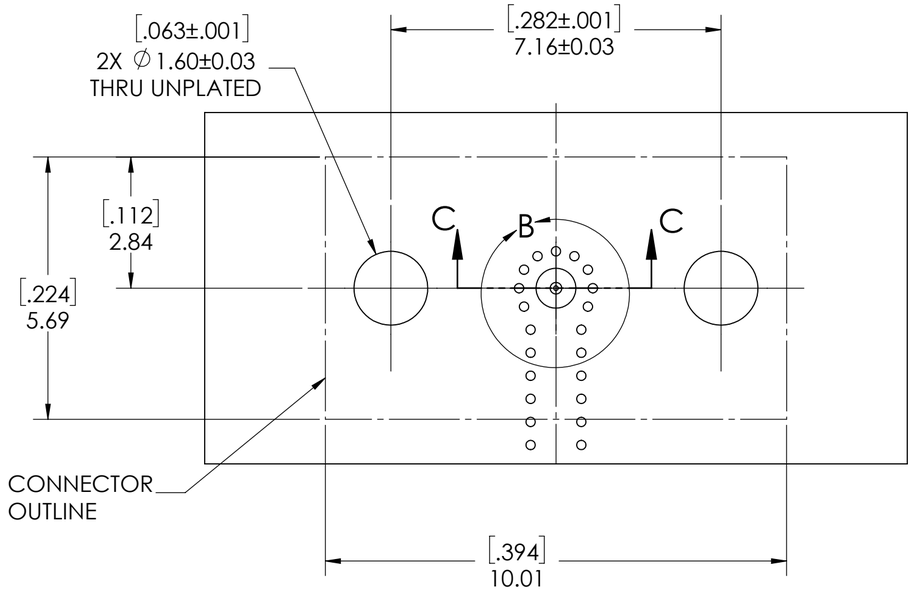
DETAIL B
SCALE 25 : 1
LAYER 1 (Cu)
2



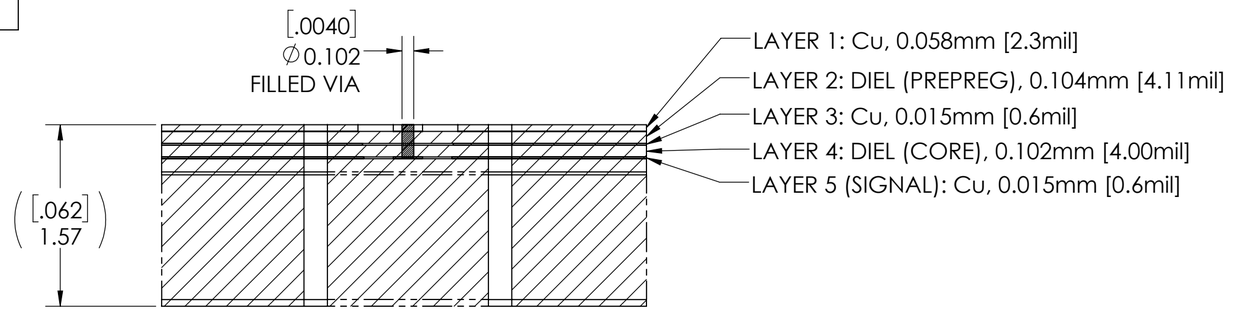
DETAIL B
SCALE 25:1
LAYER 3 (Cu)
VIAS NOT SHOWN FOR CLARITY



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



PCB LAYOUT
(FOR REFERENCE ONLY)



SECTION C-C
SCALE 25 : 1
PCB LAYER DEFINITION
2

SCALE 10:1	SUB-DIRECTORY/		SHEET 2 OF 2
SIZE C	CAGE CODE	DRAWING NO. TMB-V5F2-XL1	REV. 6

ENG–SW REV. E