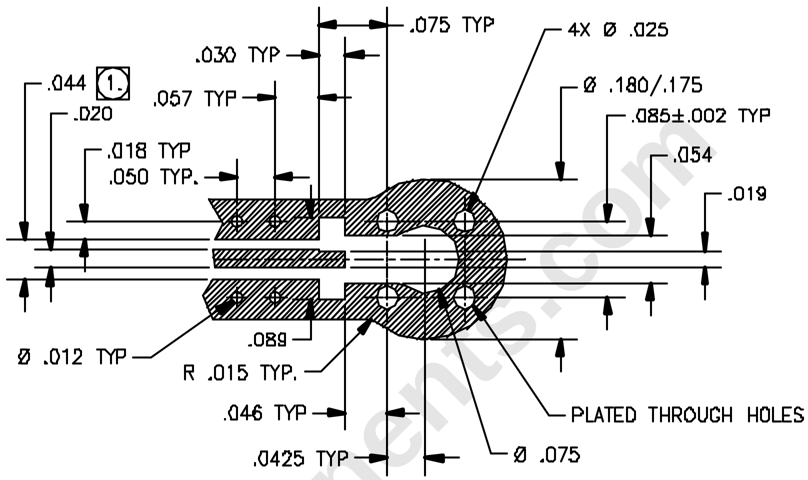
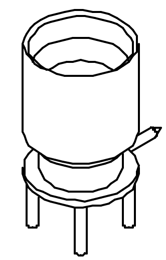
P/N	INTERFACE(S)	(Ø A)	(B)	FIGURE(S)
-1CC	FULL DETENT	(.116)	.075	1
-2CC	LIMITED DETENT	(.120)	.075	1
-3CC	SMOOTH BORE	(.125)	.075	1
-4CC	CATCHER'S MITT	(.125)	.075	2
-5CC	FULL DETENT	(.116)	.140	1
-6CC	LIMITED DETENT	(.120)	.140	1
-7CC	SMOOTH BORE	(.125)	.140	1
-8CC	CATCHER'S MITT	(.125)	.140	2

REVISIONS

REV	DESCRIPTION	DATE	BY
G	ECO 13311	05.10.01	ATV
H	ECO 20084	03.26.07	DKN
J	ECO 25581	04.19.12	DKN



MOUNTING HOLE PATTERN



(1.) DIMENSIONS SHOWN ARE FOR ROGERS 4350 PCB MATERIAL.
THESE DIMENSIONS MAY VARY DEPENDING ON PCB MATERIAL USED.

MATERIAL:

Body:
- BeCu alloy per ASTM B-196.

Center Conductor:
- Brass alloy per ASTM B-16.

Insulator:
- Torlon per AMS 3670 or ASTM D-5204.

ELECTRICAL:

Impedance: 50 Ohms nominal.
Frequency Range: DC to 18 GHz.
VSWR: 1.15:1 max to 18 GHz.
Insertion Loss: .10 dB max to 18 GHz.
Working Voltage: 335 Vrms max @ sea level.
Dielectric Withstanding Voltage: 500 Vrms min.
R.F. HiPot Voltage: 325 Vrms min @ 5MHz.
Corona Level: 125 Vrms @ 70,000 ft.
Insulation Resistance: 5000 MegOhms min.
Contact Resistance:
- Center Contact: 6.0 Milliohm max.
- Outer Contact: 2.0 Milliohm max.

MECHANICAL:

Mating Characteristics:
- Interface per Mil-Std-348.

Force To Engage & Disengage:
- Engage:
  - Full detent: 10.0 lbs max
  - Limited detent: 5.0 max
  - Smooth bore/Catchers mitt: 2.0 lbs max
- Disengage:
  - Full detent: 2.0 lbs min
  - Limited detent: 1.5 lbs min
  - Smooth bore/Catchers mitt: .50 lbs min

Center Contact Retention:
- Axial Force: 1.5 pounds min.
- Radial Torque: NA

Connector Durability:
- Depend on detent

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:

Body & Center Conductor:
- Gold plate per ASTM B-488, over nickel under plate per AMS-QQ-N-290.

APPLICABLE CARLISLE IT DOCUMENTS

WORK STD	PROD INST	ASSY INST
NA	NA	NA

NOTICE

TOLERANCES AND NOTES EXCEPT AS NOTED

DIMENSIONS ARE IN INCHES.
LINEAR .XX ±.010 .XXX ±.005 ANGULAR ± 1/2°
FRACTION ± 1/32

1. MACHINE FINISH: 63/ RMS
2. BREAK ALL SHARP EDGES .005 MAX.
3. MACHINED FILLETS .005 MAX.
4. MACHINED SURFACES SQUARE TO RESPECTIVE AXIS WITHIN .002 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	DKN	08.10.99
CHECKED BY	PNAO	04.19.12
TEST ENGG		
QUALITY		
DESIGN ENGG	JCB	03.26.07
MFG ENGG		
ECO APPRV	PNAO	04.19.12

CARLISLE Interconnect Technologies

TITLE: SMP MALE STRAIGHT PCB SURFACE MOUNT

SCALE: 16:1
DIRECTORY\SUB-DIRECTORY: _OLP\
SHEET 1 OF 2
SIZE: C
CAGE CODE: 30990
DRAWING NO. P797
REV. J

ENG-DWG REV. E

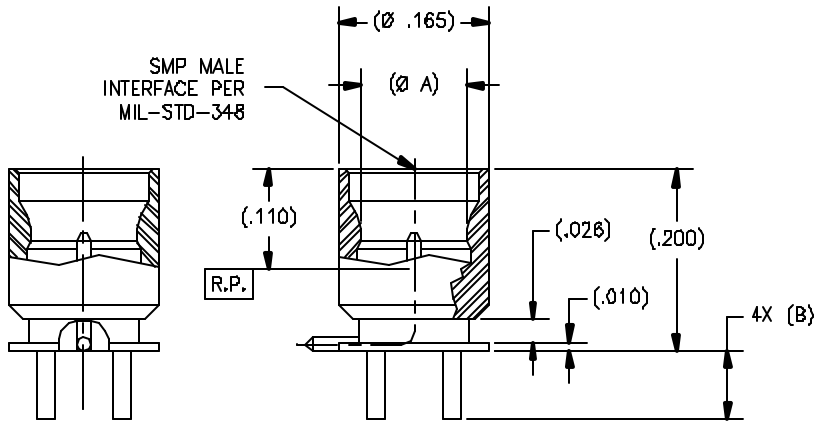
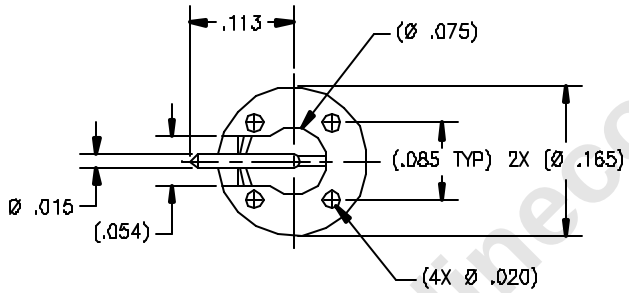


FIG.1



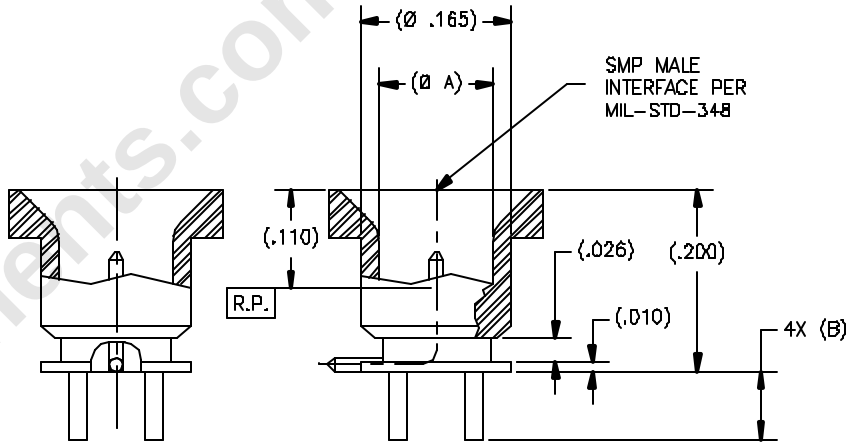
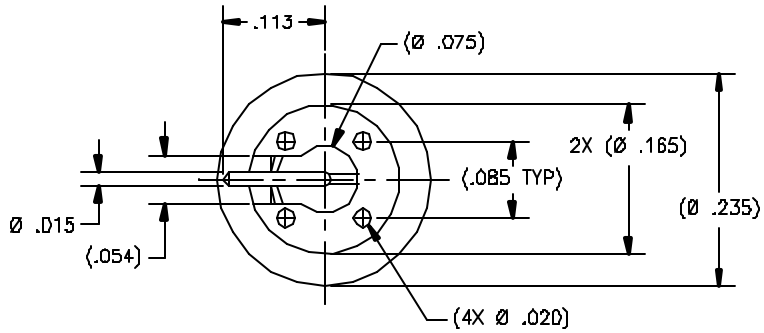


FIG.2



SCALE: NONE	DRAWN BY \ CHECKED BY: _OLP\		SHEET 2 OF 2
SIZE: C	PART/DOC. NO.: 30990	DRAWING NO.: P797	REV.: J

ENG-DWG REV. E