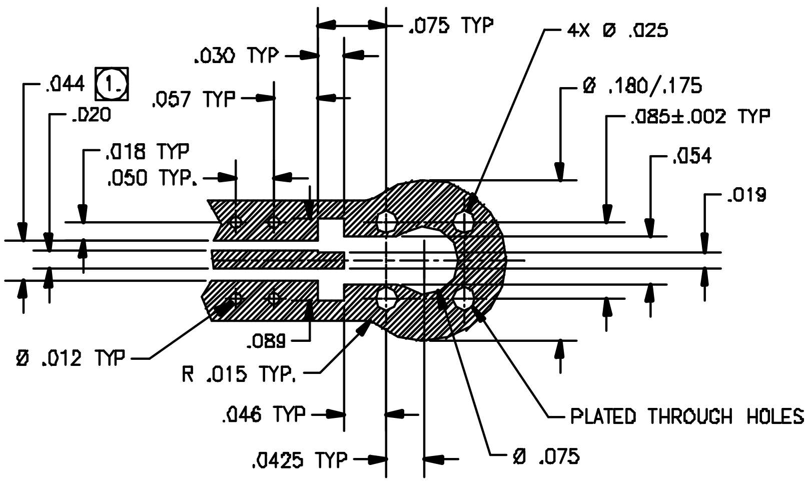
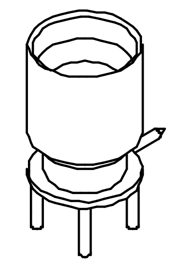
P/N	INTERFACE(S)	(Ø A)	(B)	FIGURE(S)
-1CC	FULL DETENT	(.116)	.075	1
-2CC	LIMITED DETENT	(.120)	.075	1
-3CC	SMOOTH BORE	(.125)	.075	1
-4CC	CATCHER'S MITT	(.125)	.075	2
-5CC	FULL DETENT	(.116)	.140	1
-6CC	LIMITED DETENT	(.120)	.140	1
-7CC	SMOOTH BORE	(.125)	.140	1
-8CC	CATCHER'S MITT	(.125)	.140	2

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

ANGULAR ± 1/2

1. MACHINE FINISH
2. BREAK ALL SHARP EDGES .005 MAX.

MATERIAL	SPECIFICATION		PROCUREMENT
-	-	-	-

APPROVAL	INITIALS	DATE
DRAWN BY	DKN	08.10.88
CHECKED BY	PNAO	04.19.12
TEST ENGR		
QUALITY		
DESIGN ENGR	JCB	03.26.07
MFG ENGR		
CCB APPRV	PNAO	04.19.12

CARLISLE Interconnect Technologies

TITLE: SMP MALE STRAIGHT PCB SURFACE MOUNT

SCALE: 15:1 — DIRECTORY\SUB-DIRECTORY: _0LP\ — SHEET 1 OF 2

SIZE: C — CAGE CODE: 30990 — DRAWING NO. P797 — REV. J

ENG-DWG REV. E

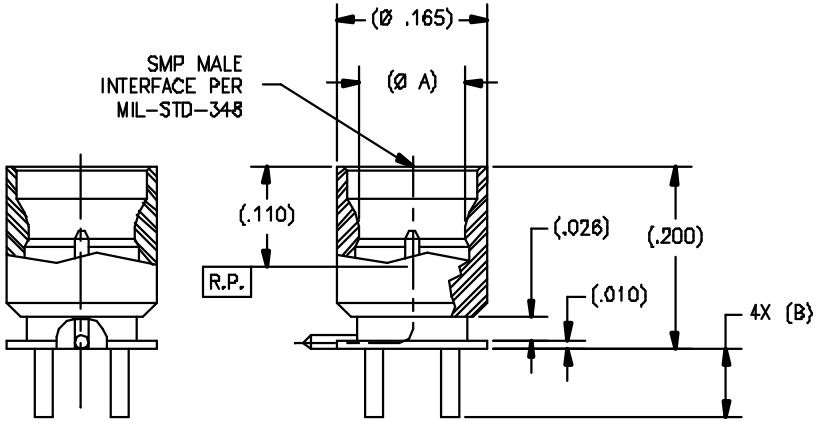
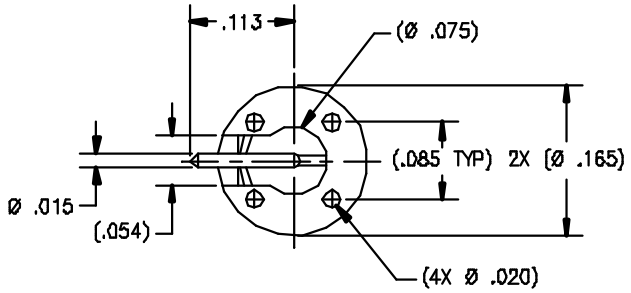


FIG.1



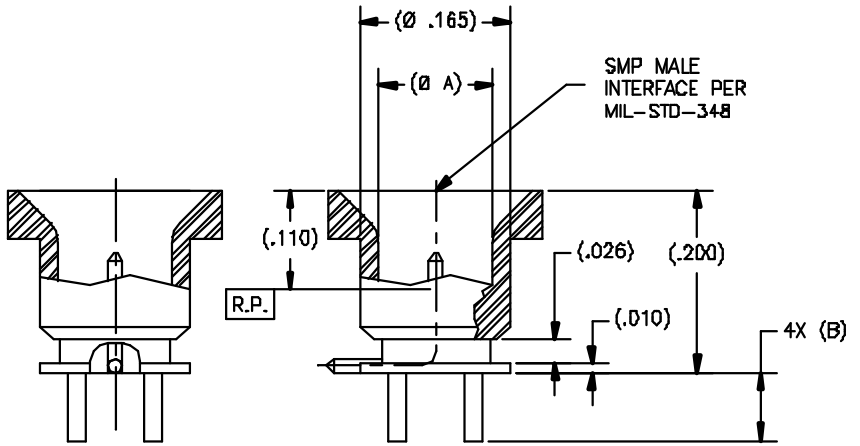
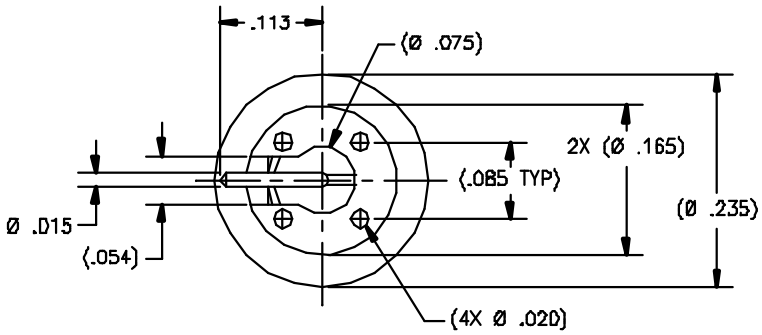


FIG.2



NONE	_OLP\	SHEET 2 OF 2	
SIZE C	CAGE CODE 30990	DRAWING NO. P797	REV. J

ENG-DWG REV. E