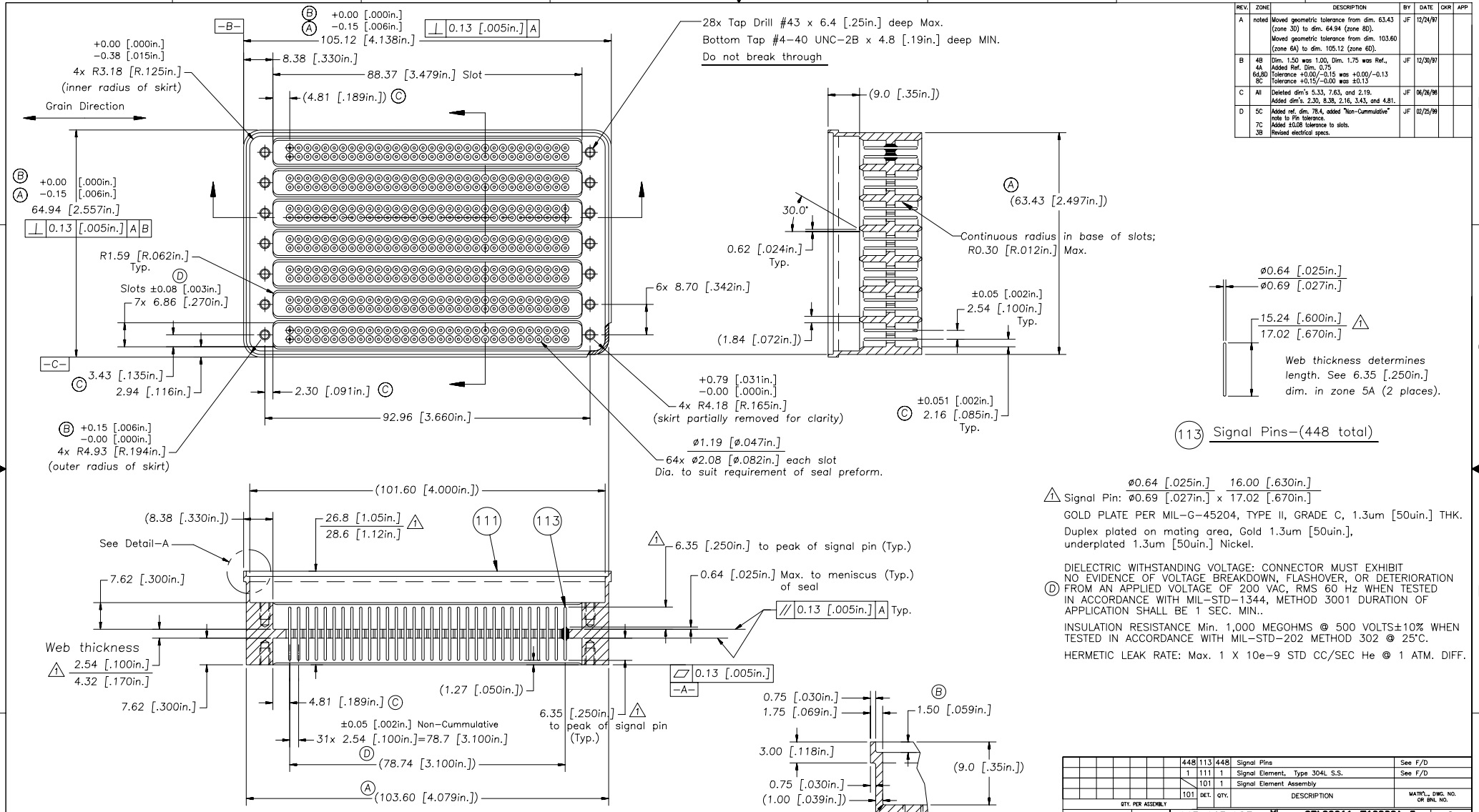
REV.	ZONE	DESCRIPTION	BY	DATE	CKR	APP
A	noted	Moved geometric tolerance from dim. 63.43 (zone 3D) to dim. 64.94 (zone 8D). Moved geometric tolerance from dim. 103.60 (zone 6A) to dim. 105.12 (zone 6D).	JF	12/24/97		
B	4B 4A 6A,8D 8C	Dim. 1.50 was 1.00, Dim. 1.75 was Ref., Added Ref. Dim. 0.75 Tolerance +0.00/−0.15 was +0.00/−0.13 Tolerance +0.15/−0.00 was ±0.13	JF	12/30/97		
C	All	Deleted dim's 5.33, 7.63, and 2.19. Added dim's. 2.30, 8.38, 2.16, 3.43, and 4.81.	JF	06/26/98		
D	5C 7C 3B	Added ref. dim. 78.4, added "Non-Cummulative" note to Pin tolerance. Added ±0.08 tolerance to slots. Revised electrical specs.	JF	02/25/99		



Signal Pin: ø0.64 [.025in.] / ø0.69 [.027in.] x 16.00 [.630in.] / 17.02 [.670in.]

GOLD PLATE PER MIL−G−45204, TYPE II, GRADE C, 1.3um [50uin.] THK.

Duplex plated on mating area, Gold 1.3um [50uin.], underplated 1.3um [50uin.] Nickel.

DIELECTRIC WITHSTANDING VOLTAGE: CONNECTOR MUST EXHIBIT NO EVIDENCE OF VOLTAGE BREAKDOWN, FLASHOVER, OR DETERIORATION FROM AN APPLIED VOLTAGE OF 200 VAC, RMS 60 Hz WHEN TESTED IN ACCORDANCE WITH MIL−STD−1344, METHOD 3001 DURATION OF APPLICATION SHALL BE 1 SEC. MIN..

INSULATION RESISTANCE Min. 1,000 MEGOHMS @ 500 VOLTS±10% WHEN TESTED IN ACCORDANCE WITH MIL−STD−202 METHOD 302 @ 25°C.

HERMETIC LEAK RATE: Max. 1 X 10e−9 STD CC/SEC He @ 1 ATM. DIFF.

Manufacturing method determines Web thickness, Signal Pin length, and overall height based on Mfgr.'s Seal Preform installation.

Notes: Unless otherwise specified:

FILENAME: E:\DWGS\ATLAS\GBL20011\600000.DIR\600147D−4

ALL DIMENSIONS ARE IN MILLIMETERS

DIMENSIONS IN BRACKETS [ ] ARE IN INCHES.

QTY. PER ASSEMBLY			DESCRIPTION	MATR'L., DWG. NO. OR BNL NO.
448	113	448	Signal Pins	See F/D
1	111	1	Signal Element, Type 304L S.S.	See F/D
	101	1	Signal Element Assembly	
	101	DET.		

QA: A−1 ☐ A−2 ☐ A−3 ☐ A−4 ☒ — QA CATEGORY

GBL20011−710002A−5 — USED ON DWG. NO. — 2 NO. PER. ASSY

DRWN: Jesse Farrell 12/19/97 — ENGR: — CHK: — SUPV: — APPVD DATE

BROOKHAVEN NATIONAL LABORATORY, UPTON, N.Y. 11973

UNLESS OTHERWISE SPECIFIED
DIMENSIONS AND TOLERANCES ARE MM [IN]

Decimals X. [X.X]	±.76 [.030]	Fractions 0−20	±1 [1/32]
Decimals X.X [X.XX]	±.38 [.015]	Fractions > 20	±3 [1/8]
Decimals X.XX [X.XXX]	±.13 [.005]	Break Edges Min.	.13 [.005]
Angular	±0.5°	Break Edges Max.	.38 [.015]
Finish ✓	3.2 [125]	Weight (kg) [lbs]	

ATLAS — PROJECT ENGINEER: P. FAULLER 1999-04-20 — FOR INFORMATION — ATLABFS 0013 AA

ATLAS
448 Pin Signal Element

SHEET 1 of 1 — SCALE: 2X

SIZE D — DRAWING NUMBER GBL20011−600147 −4 — REV. D

Date: 04/14/1999 2 — 1 *AUTOCAD