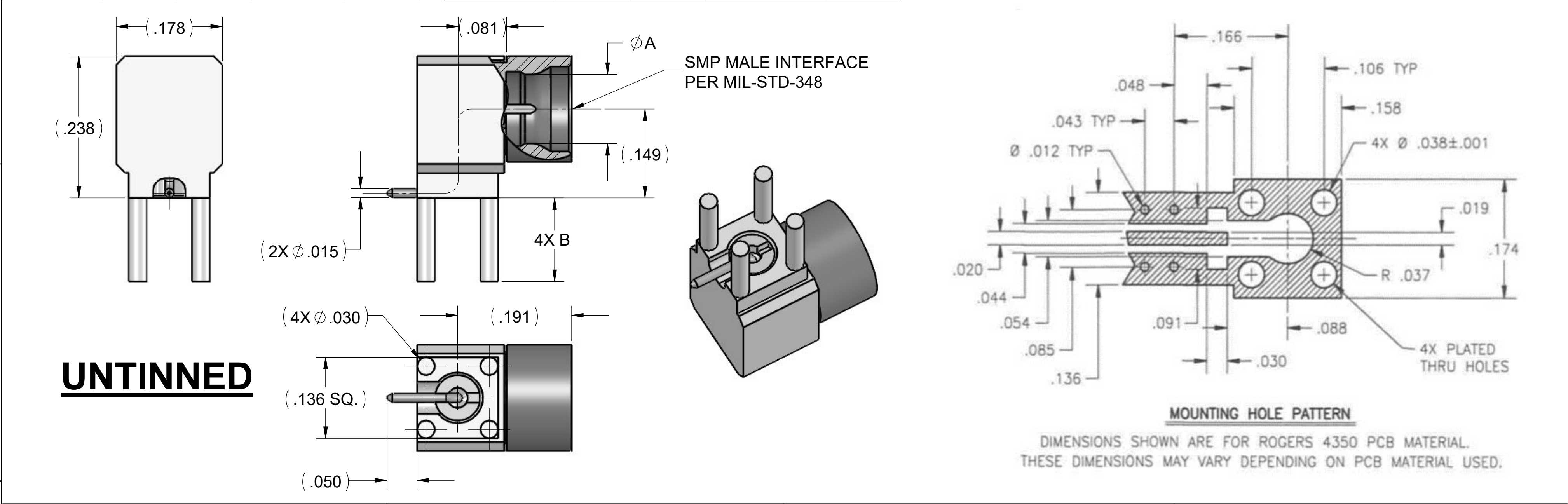
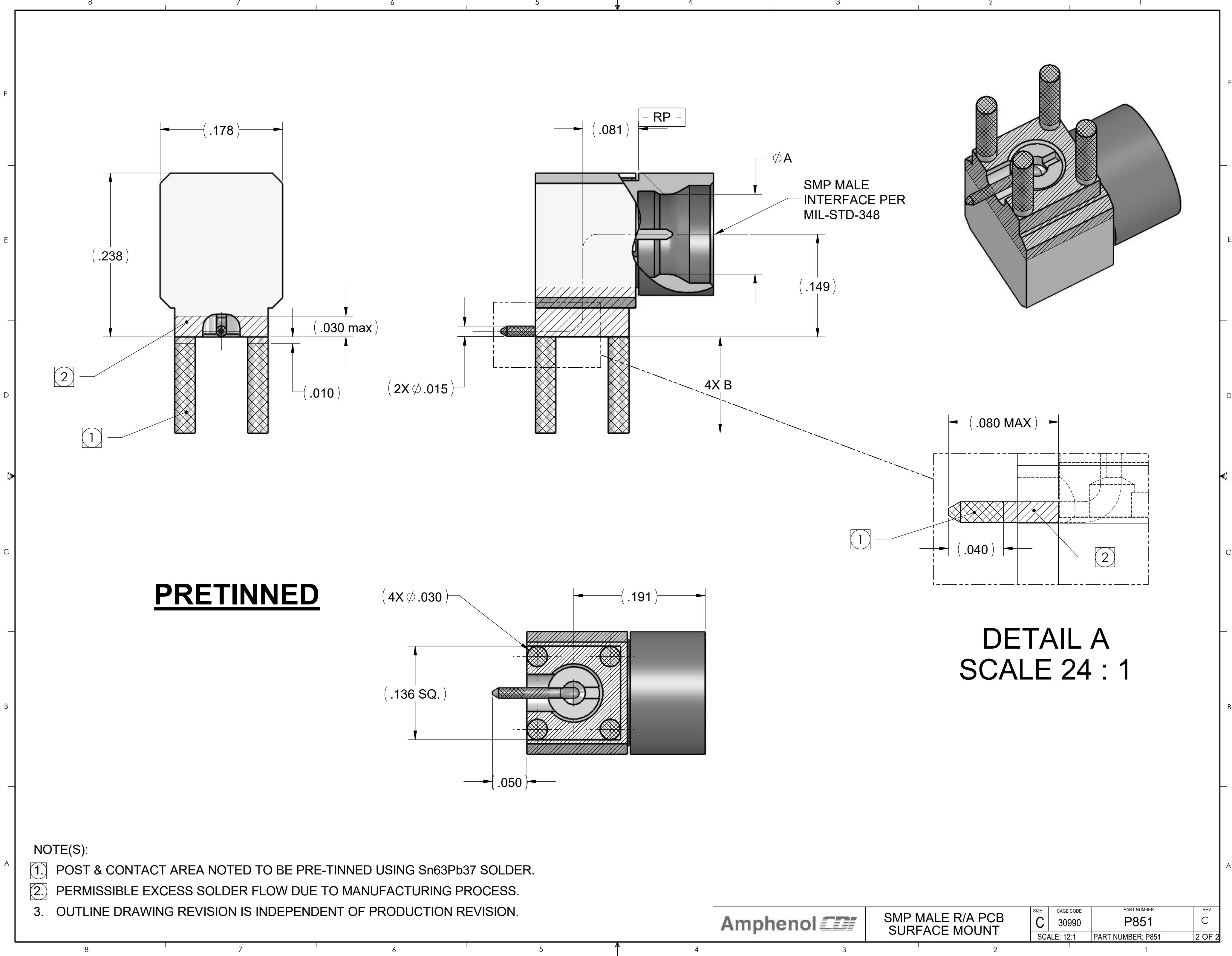


4					3					2					1				
PART NO.	Ø A	B	CONFIG.	SHEET		PART NO.	Ø A	B	CONFIG.	SHEET		REVISION HISTORY							
												ECO	REV.	DESCRIPTION	DRAWN BY	DATE			
												22347	A	-	DKN	07.14.09			
												36326	B	ADD PRE-TINNED, REDRAW IN SW	YP	03.24.21			
												206542	C	UPDATE FORMAT	PAW	09.08.26			
P851-1CCSF	(.116)	(.140)	UNTINNED	1		P851-1CCSFT	(.116)	(.140)	PRETINNED	2									
P851-2CCSF	(.120)	(.140)	UNTINNED	1		P851-2CCSFT	(.120)	(.140)	PRETINNED	2									
P851-3CCSF	(.125)	(.140)	UNTINNED	1		P851-3CCSFT	(.125)	(.140)	PRETINNED	2									



MATERIAL(S):	ELECTRICAL(S):	MECHANICAL(S):	ENVIROMENTAL(S):
BODY: BECU ALLOY PER ASTM B-196 SMP BODY: SST 303 PER ASTM A-582 CENTER CONDUCTOR: BRASS ALLOY PER ASTM B-16 INSULATOR: TORLON PER AMS 3670 OR ASTM D-5204	IMPEDANCE: 50 OHMS NOMINAL FREQUENCY RANGE: DC TO 18 GHZ VSWR: 1.25:1 MAX TO 18 GHZ INSERTION LOSS: .15 DB MAX TO 18 GHZ WORKING VOLTAGE: 335 VRMS MAX@SEA LEVEL DIELECTRIC WITHSTANDING VOLTAGE: 500 VRMS MIN. RF HIPOT VOLTAGE: 325 VRMS MIN. @ 5MHZ CORONA LEVEL: 125 VRMS @ 70,000 FT INSULATION RESISTANCE: 5,000 MEGOHMS MIN. CONTACT RESISTANCE: CENTER CONTACT: 6.0 MILLIOHM MAX OUTER CONTACT: 2.0 MILLIOHM MAX	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 LBS MIN. RADIAL TORQUE: NA CONNECTOR DURABILITY: 100 CYCLES MIN. - FULL DETENT 500 CYCLES MIN. - LIMITED DETENT 1000 CYCLES MIN. - SMOOTH BORE	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(ES):			TOLERANCES AND NOTES EXCEPT AS NOTED DIMENSIONS ARE IN INCHES. LINEAR .XX ±.015 / .XXX ±.005 FRACTION ± 1/32 ANGULAR ± 1/2°												
SMP BODY: PASSIVATE PER ASTM A-967 OR SAE AMS-QQ-P-35 BODY & CENTER CONDUCTOR: GOLD PLATE PER ASTM B-488, OVER NICKEL PLATE PER SAE AMS-QQ-N-290			APPLICABLE Amphenol CDI DOCUMENTS			MATERIAL			SPECIFICATION			PROCUREMENT			
						APPROVAL INITIALS		DATE	Amphenol CDI 12900 Alondra Blvd. Cerritos, CA 90703						
						DRAWN BY		TEN				03/05/02			
						SEE ECO FOR APPROVAL SIGNATURES						TITLE SMP MALE R/A PCB SURFACE MOUNT			
								SCALE 8:1				SHEET 1 OF 2			
								SIZE C		CAGE CODE 30990		DRAWING NO. P851		REV. C	



- NOTE(S):
1. POST & CONTACT AREA NOTED TO BE PRE-TINNED USING Sn63Pb37 SOLDER.
 2. PERMISSIBLE EXCESS SOLDER FLOW DUE TO MANUFACTURING PROCESS.
 3. OUTLINE DRAWING REVISION IS INDEPENDENT OF PRODUCTION REVISION.