

NOTES:

1. THIS DRAWING FILED IN CCD.
2. UNSHIELDED WIRE SHALL BE PER M81044/12-XX-9. ONE CONDUCTOR SHIELDED WIRE PER M27500-XXML1108. TWO CONDUCTOR SHIELDED WIRE PER M27500-XXML2108. (XX = 22AWG, EXCEPT AS NOTED).
3. FOR GND/BLOCK STUD LOCATIONS, REFER TO GND/BLOCK STUD INSTL DWG CALLED OUT ON AVIONICS INSTL KIT.
4. AN ASTERISK PRECEDING A LETTER INDICATES LOWER CASE.
5. PERMISSIBLE TO DEVIATE FROM SHIELD GROUNDING REQUIREMENTS IN CSAM012.
6. LOCATE SPLICE APPROX. 6" FROM PA527 CONN.
7. LOCATE SPLICE WITHIN 3" OF RACK CONNECTOR.
8. IF TELELINK IS INSTALLED, ADDITIONAL DIODE ISOLATION IS ADDED TO 74PN384-5KPN819. REFER TO TELELINK DRAWING FOR MODIFICATION.

9. PART OF ECS HARDWARE KIT, 970HQ1-900-108 (REF). REFER TO P/L NOTE 1 FOR TCAS HARDWARE KIT P/N BREAKDOWN.
10. PART OF ECS TCAS RF COAX KIT 999LE-503-102 (REF). REFER TO P/L NOTE 1 FOR TCAS COAX KIT P/N BREAKDOWN.
11. ANNUNCIATOR OUTPUT CAPABLE OF SINKING AT LEAST 20MA.
12. RADIO ALTIMETER TYPE PROGRAMMING IS DETERMINED BY STRAPPING OF PROGRAM PINS (P1E-12B, 12K, 12J, 12H).

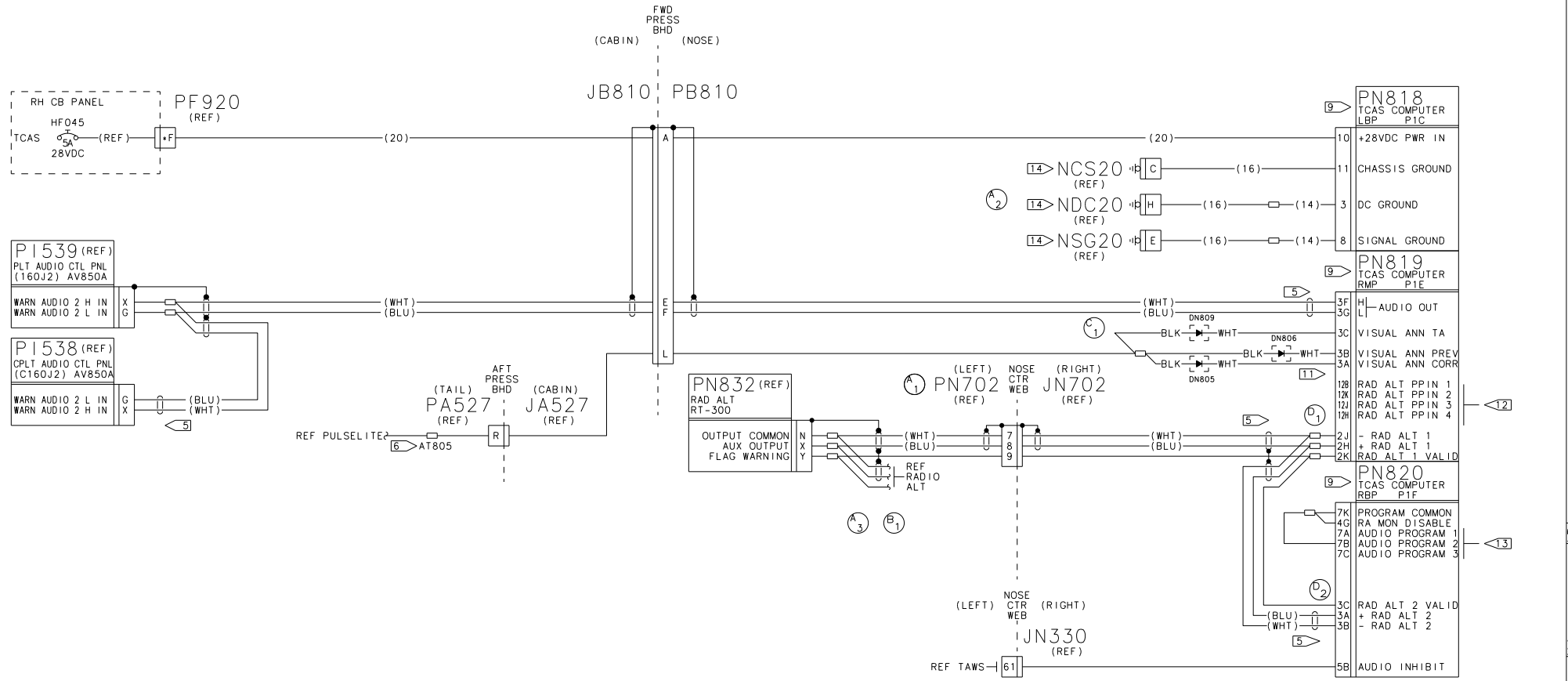
PIN (P1E-)				ALTITUDE TYPE
12B	12K	12J	12H	
OPEN	OPEN	OPEN	OPEN	ARINC 552/552A
GROUND	OPEN	OPEN	OPEN	COLLINS BCA
OPEN	OPEN	OPEN	GROUND	METRIC ALT #1
OPEN	OPEN	GROUND	OPEN	METRIC ALT #2
OPEN	OPEN	GROUND	GROUND	METRIC ALT #3
OPEN	GROUND	OPEN	OPEN	METRIC ALT #4

13. AUDIO LEVEL PROGRAM PINS CONTROL THE OUTPUT LEVELS OF BOTH SYNTHESIZED VOICE OUTPUTS (P1F-2F, 2G, 3F, 3G).

PIN (P1F-)		LOW LEVEL OUTPUT		HIGH LEVEL OUTPUT	
7A	7B	7C	dBm	mW	dBw
OPEN	OPEN	OPEN	16	40	6
OPEN	OPEN	GROUND	13	20	3
OPEN	GROUND	OPEN	10	10	0
OPEN	GROUND	GROUND	7	5	-3
GROUND	OPEN	OPEN	4	2.5	-6
GROUND	OPEN	GROUND	1	1.25	-9
GROUND	GROUND	OPEN	-2	0.625	-12
GROUND	GROUND	GROUND	19	80	9

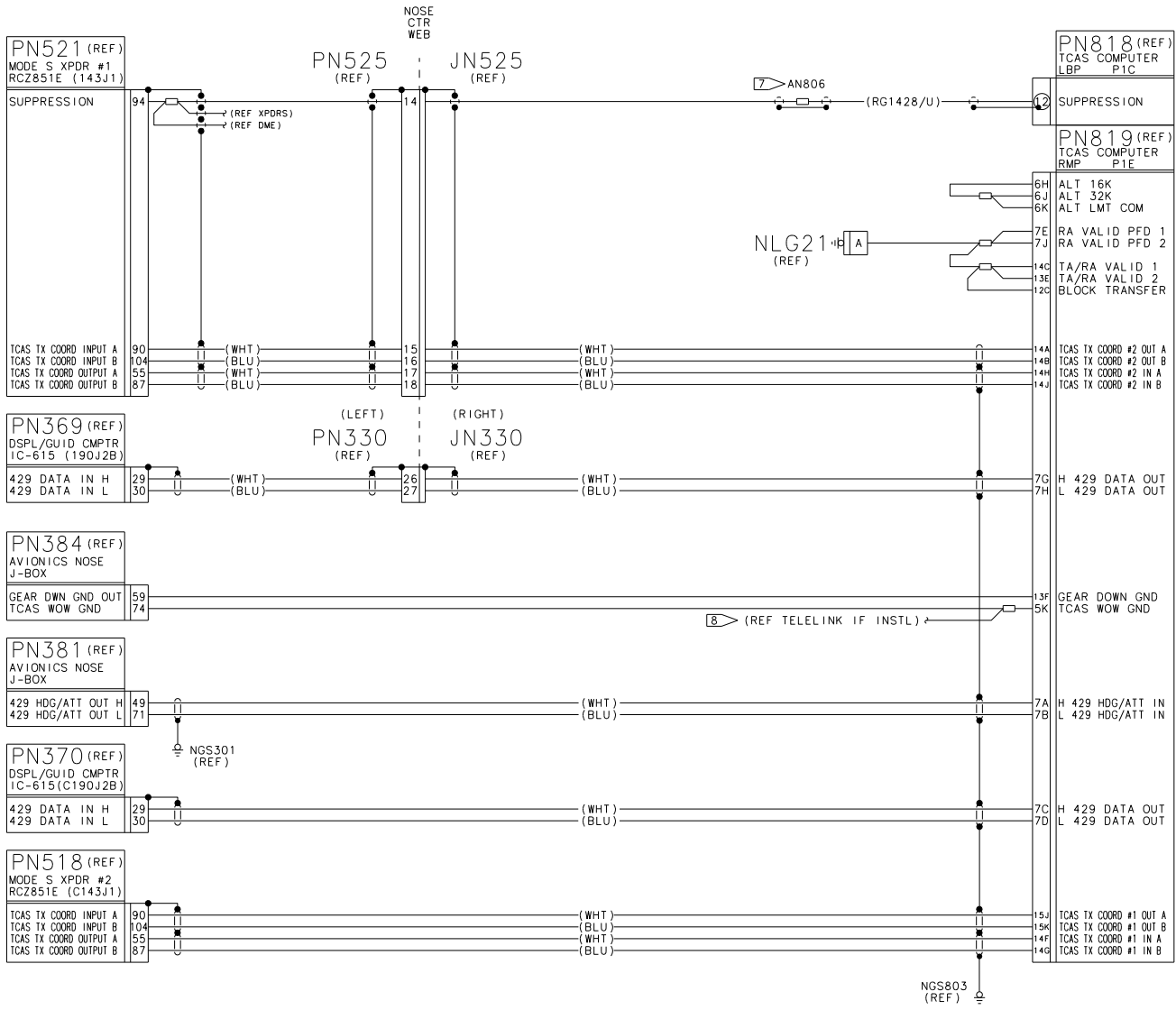
14. USE 16 GAUGE CRIMP CONTACTS AS DEFINED ON THE PARTS LIST.

REVISIONS					
SHEET	REV	DESCRIPTION	DATE	APPROVED	
1	A	BY REVISION: 1)ADDED CONNECTOR P/JN702 (REF). 2)ADDED FLAGNOTE 14. 3)GROUND STUD NGS504 WAS NGS303. EFF:EC 53544	02/09/04 AJJ		
1	B	BY REVISION: 1)MOVED SHIELD WIRE FROM NGS504 TO PN832 BACKSHELL. EFF:EC 53544	04/05/04 MAM		
1	C	BY REVISION: 1)ADDED DN809 AND ASSOCIATED WIRES. 2)CHANGED (NOSE) TOP ANTENNA COAXIAL COLOR CODES TO AGREE WITH CABIN SIDE. EFF:EC 53544	04/20/04 AJJ		
1	D	BY REVISION: 1)SWAPPED PINS 2H & 2J AT PN819 CONN. 2)SWAPPED PINS 3A & 3B AT PN820 CONN. EFF:EC 53544	6/3/04 GSS		



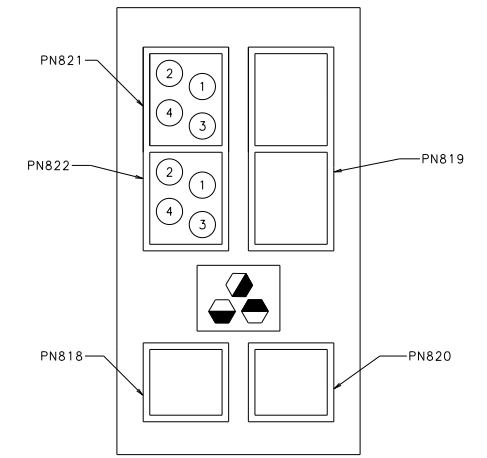
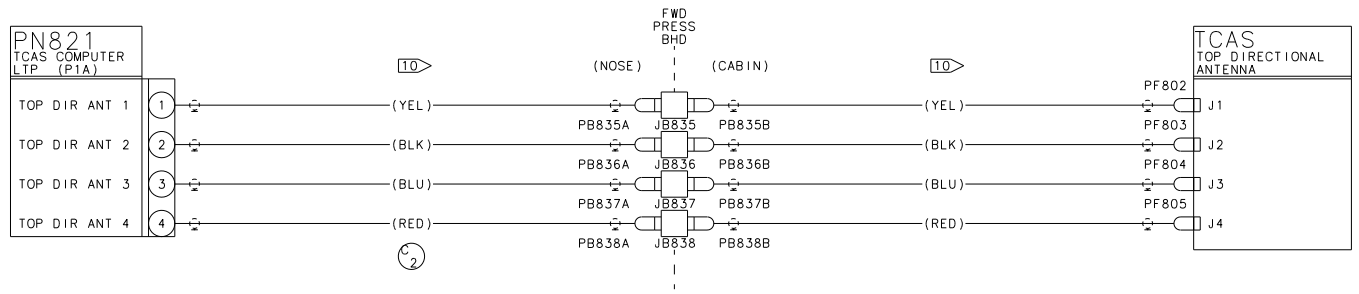
DATE	11/18/03	CESSNA AIRCRAFT COMPANY
DRAWN	M. MILLS	AIRCRAFT DIVISION
GROUP		P.O. BOX 7704
CHECK		WICHITA, KANSAS 67277
SECT		
PROJ.		
M.E.		
OTHER		
FABRICATE PER CSAM005		SIZE (FSM NO.)
PROCESS PER XXXXXXXXXXXXX		ENG NO.
WIRE TERMINATION PER 5252716		F 71379 8608138
SCALE: NONE		PARENT: NONE
SHEET 1 OF 3		

8608138

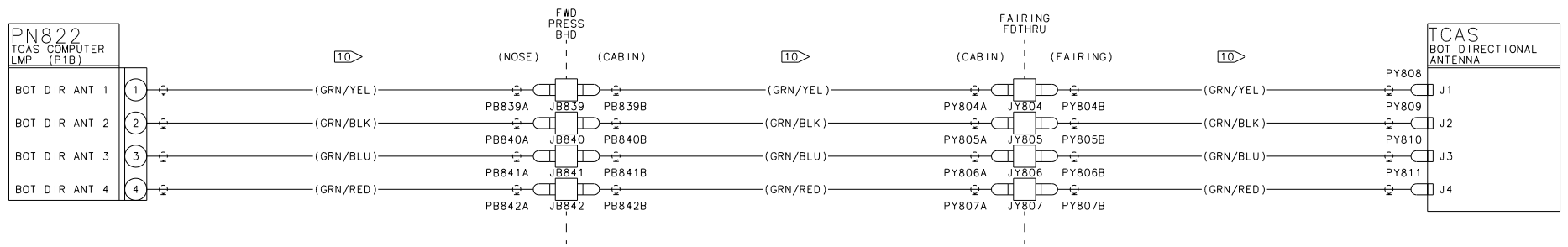


DATE	11/18/03	CESSNA AIRCRAFT COMPANY
DRAWN	M. MILLS	AIRCRAFT DIVISION
GROUP		P. O. BOX 7704
CHECK		WICHITA, KANSAS 67277
SECT		
PROJ		
M.E.		
OTHER		
FABRICATE PER CSAM005		SIZE FSCM NO.
PROCESS PER 3455/3455/3455		DWG NO.
WIRE TERMINATION PER 3552/16		F71379 8608138
SCALE:		SHEET 2 OF 3

8608138



CONNECTOR KEYING AND CONN LOCATION
(AFT VIEW OF RACK CONNECTOR)



8608138