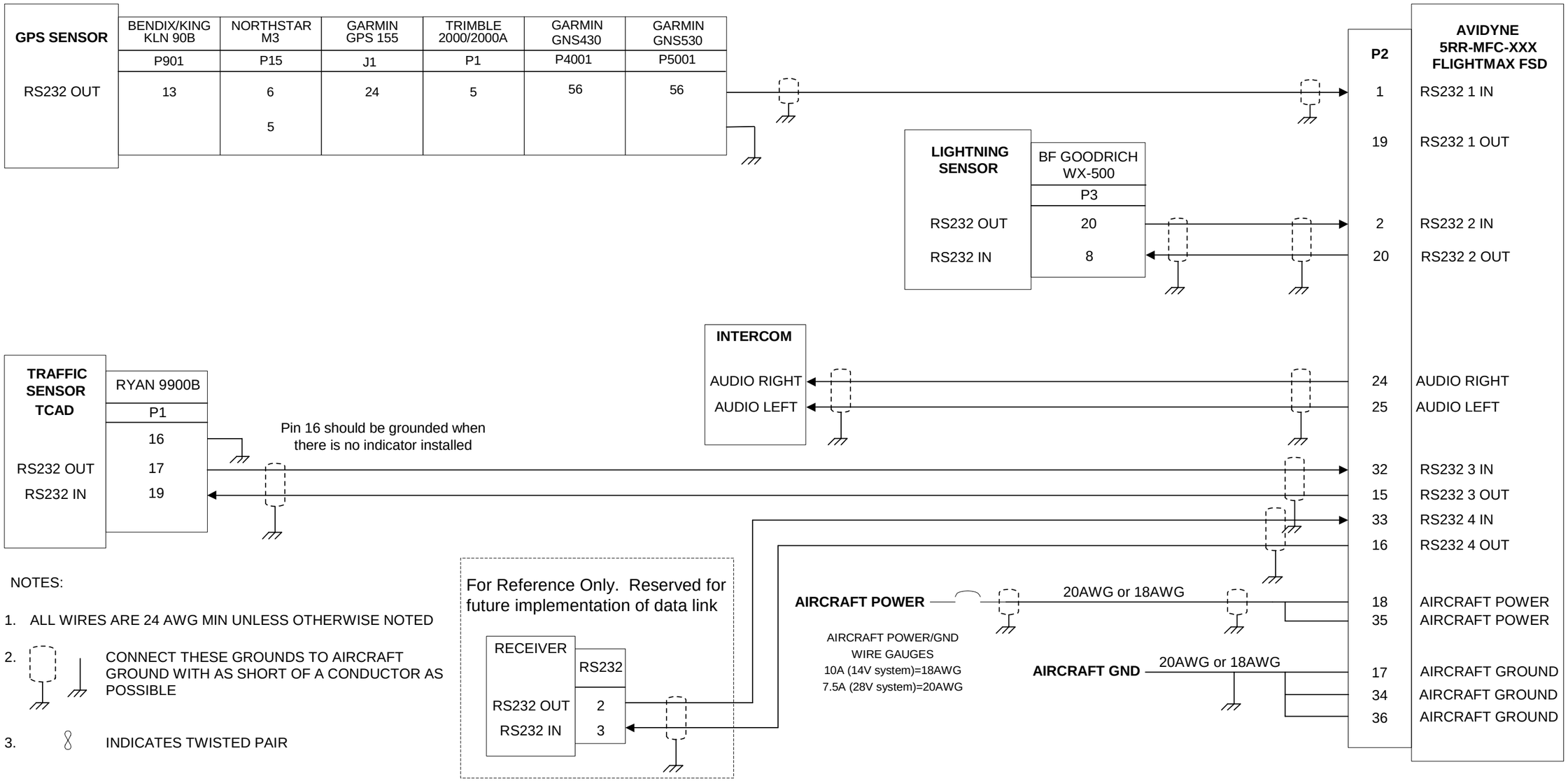
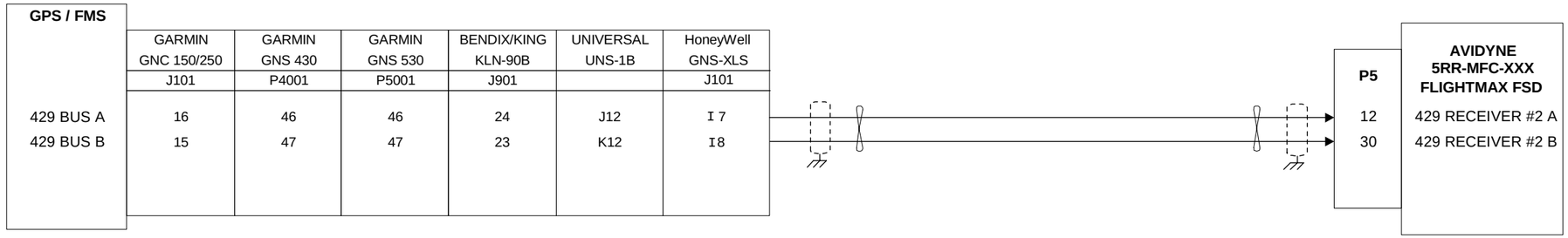
APPENDIX J - Wiring Diagram, FSD



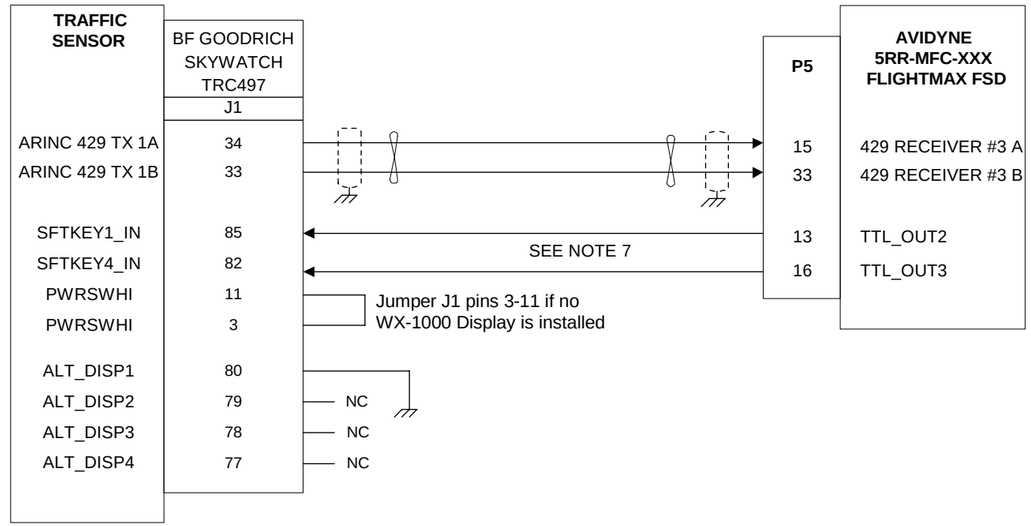
NOTES:

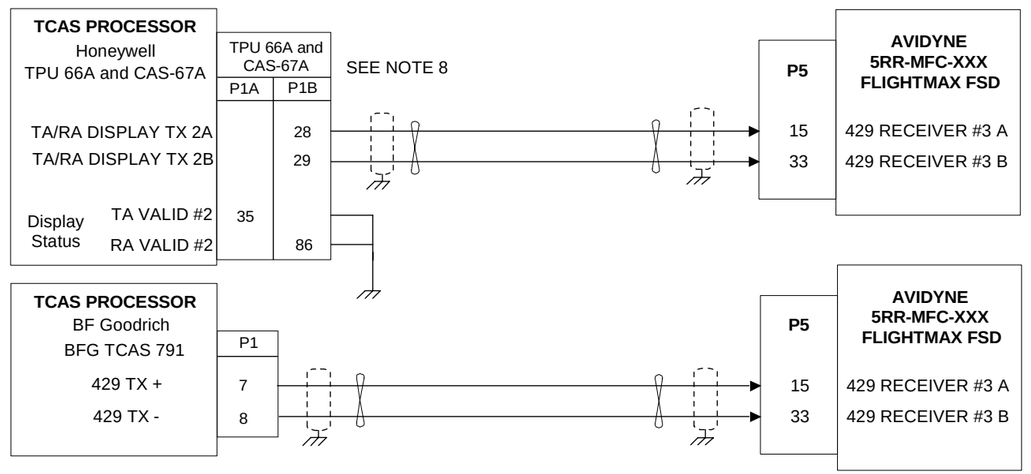
1. ALL WIRES ARE 24 AWG MIN UNLESS OTHERWISE NOTED
2. CONNECT THESE GROUNDS TO AIRCRAFT GROUND WITH AS SHORT OF A CONDUCTOR AS POSSIBLE
3. INDICATES TWISTED PAIR
4. REFER TO SENSOR INSTALLATION INSTRUCTIONS FOR SPECIFIC CONNECTION REQUIREMENTS

APPENDIX K - Wiring Diagram, FSD, ARINC 429 Interface



Note: This Diagram is to be used if the FSD is configured with the ARINC 429 interface (J5 present).

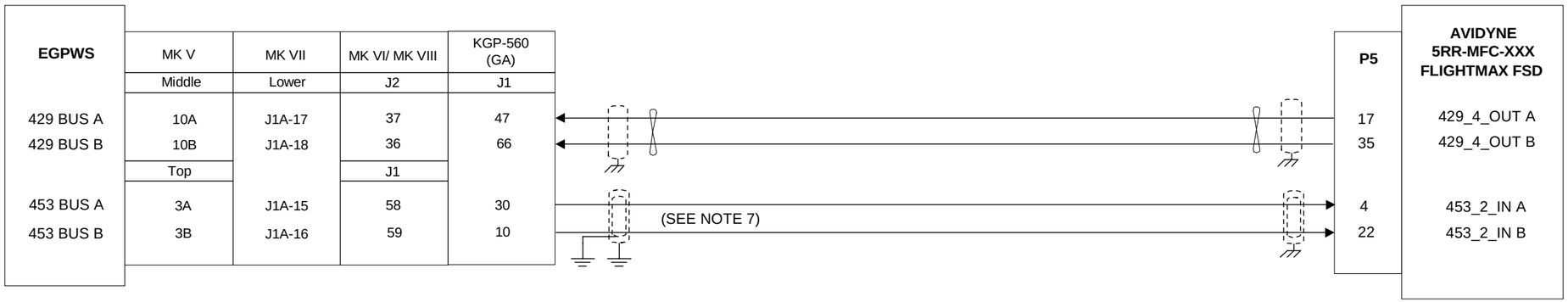


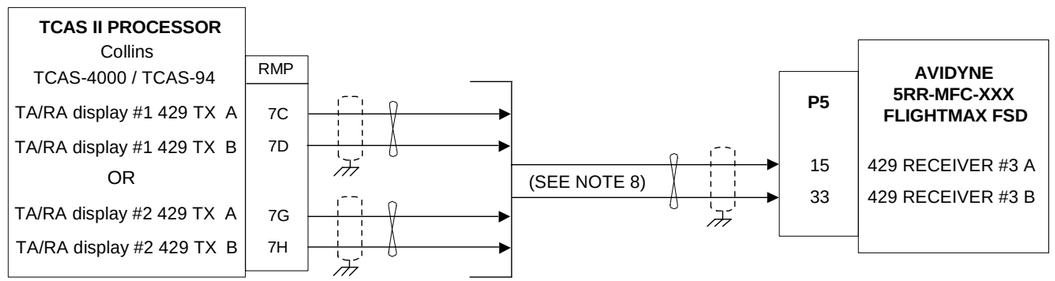


NOTES:

1. ALL WIRES ARE 22 AWG MIN UNLESS OTHERWISE NOTED
2. CONNECT THESE GROUNDS TO AIRCRAFT GROUND WITH AS SHORT OF A CONDUCTOR AS POSSIBLE
3. INDICATES TWISTED PAIR
4. A LOWER CASE LETTER IS DENOTED BY AN UNDERLINED UPPER CASE LETTER.
5. CONNECT THESE SHIELD GROUNDS TO UNIT BACKSHELL GROUND.
6. REFER TO SPECIFIC SENSOR MANUFACTURERS INSTALLATION INSTRUCTIONS FOR SPECIFIC CONNECTION REQUIREMENTS
7. SFTKEYS ONLY TO BE CONNECTED IN INSTALLATIONS WHERE NO WX-1000 DISPLAY IS CONNECTED AND FSD IS USED TO CONTROL TRC497 TRAFFIC SENSOR
8. THE WIRING FOR THE TPU-66A AND THE CAS-67A IS THE SAME THE FLIGHTMAX FSD SHOULD ONLY BE USED AS A SUPPLEMENTAL DISPLAY

APPENDIX L - Wiring Diagram, FSD, ARINC 429 Interface, Continued

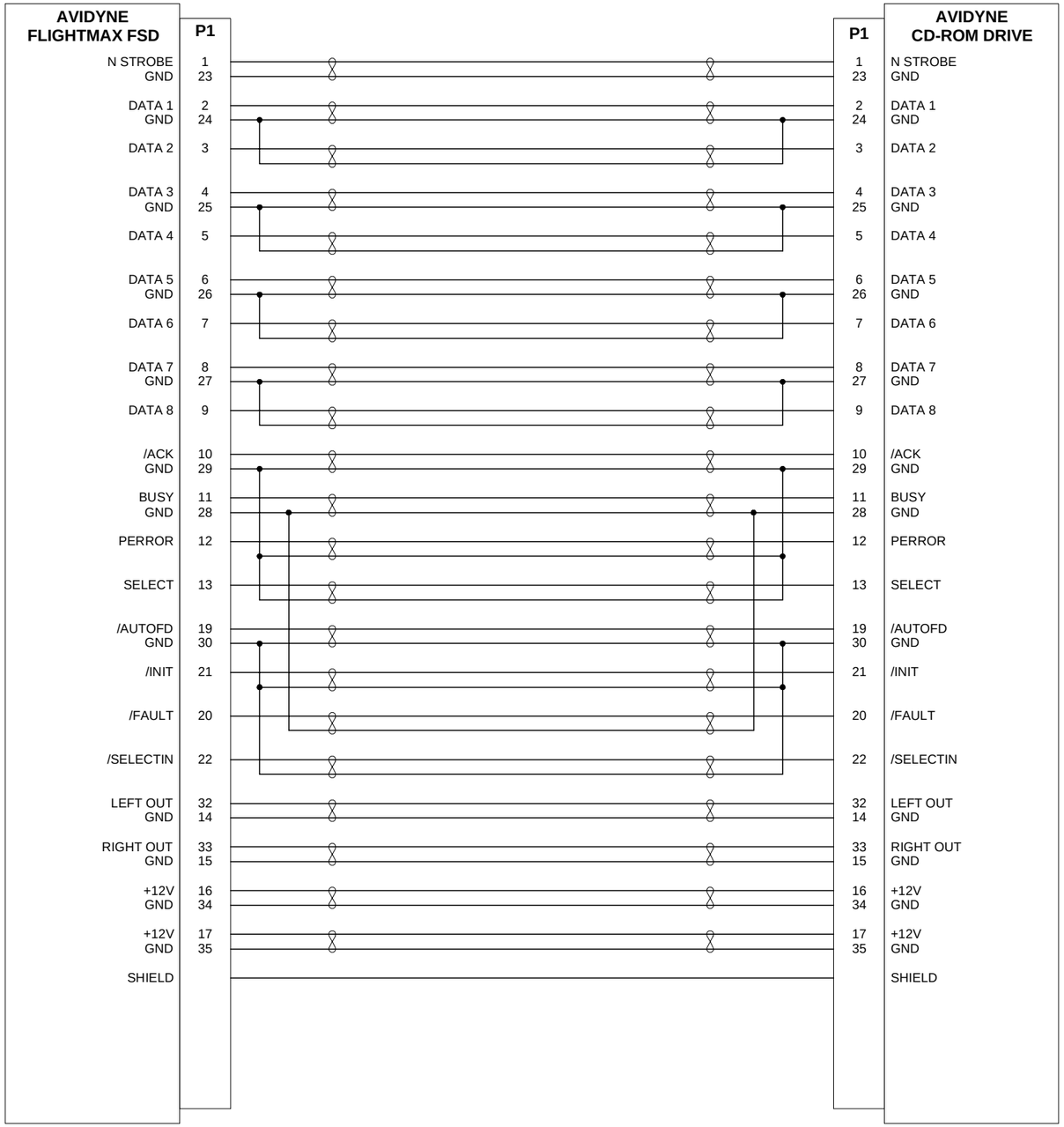




NOTES:

1. ALL WIRES ARE 22 AWG MIN UNLESS OTHERWISE NOTED
2. CONNECT THESE GROUNDS TO AIRCRAFT GROUND WITH AS SHORT OF A CONDUCTOR AS POSSIBLE
3. INDICATES TWISTED PAIR
4. A LOWER CASE LETTER IS DENOTED BY AN UNDERLINED UPPER CASE LETTER.
5. CONNECT THESE SHIELD GROUNDS TO UNIT BACKSHELL GROUND.
6. REFER TO SPECIFIC SENSOR MANUFACTURERS INSTALLATION INSTRUCTIONS FOR SPECIFIC CONNECTION REQUIREMENTS
7. 453 DATA BUS: AT ART, BOTH SHIELDS ARE GROUNDED TO CONNECTOR SHELL. AT INDICATOR, OUTER SHIELD ONLY IS GROUNDED TO AIRCRAFT GROUND AS SHOWN. USE QUADRAX CABLE - NON PVC JACKET BENDIX KING P/N 024-00064-0000 OR EQUIVALENT.
8. USE THE OUTPUT FROM EITHER DISPLAY #1 OR DISPLAY #2 . THE FLIGHTMAX FSD SHOULD ONLY BE USED AS A SUPPLEMENTAL DISPLAY.

APPENDIX M - Wiring Diagram, CD Data Loader



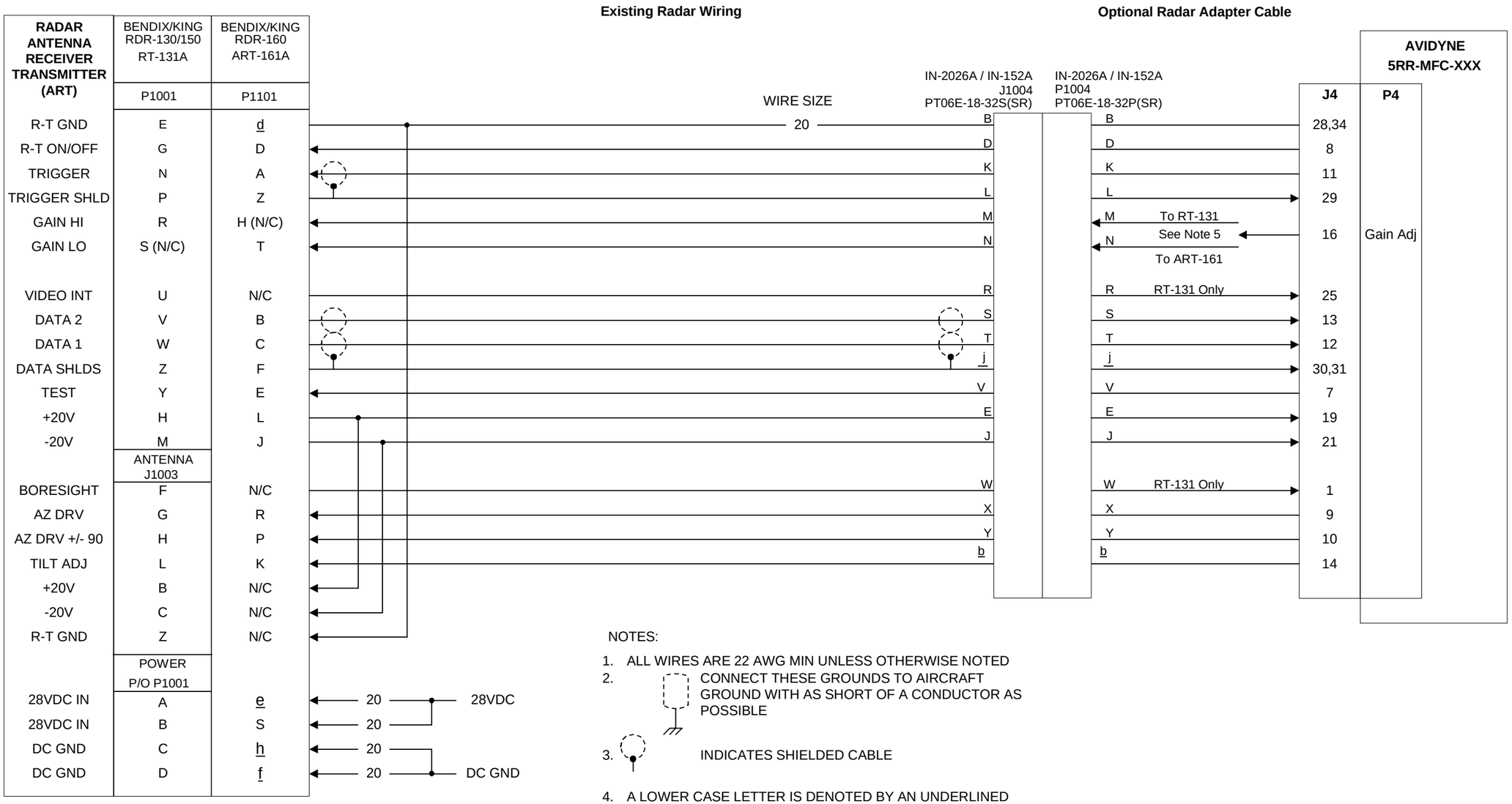
NOTES:

1. ALL WIRES ARE 28 AWG MIN UNLESS OTHERWISE NOTED
2. THE COMPLETED CABLE SHALL BE SHIELDED WITH SHIELD ATTACHED TO THE CONNECTOR BACKSHELL USING A 360 DEGREE CONCENTRIC METHOD.
3. INDICATES TWISTED PAIR

THIS CABLE IS AVAILABLE PRE-MADE FROM AVIDYNE UNDER PART NUMBER:

100-0003-018 (18 INCH)
100-0003-060 (60 INCH)

APPENDIX N - RT-131A (with AT-133A or DA-144A), ART-161A Wiring Diagram, Using Avidyne Adapter Cable

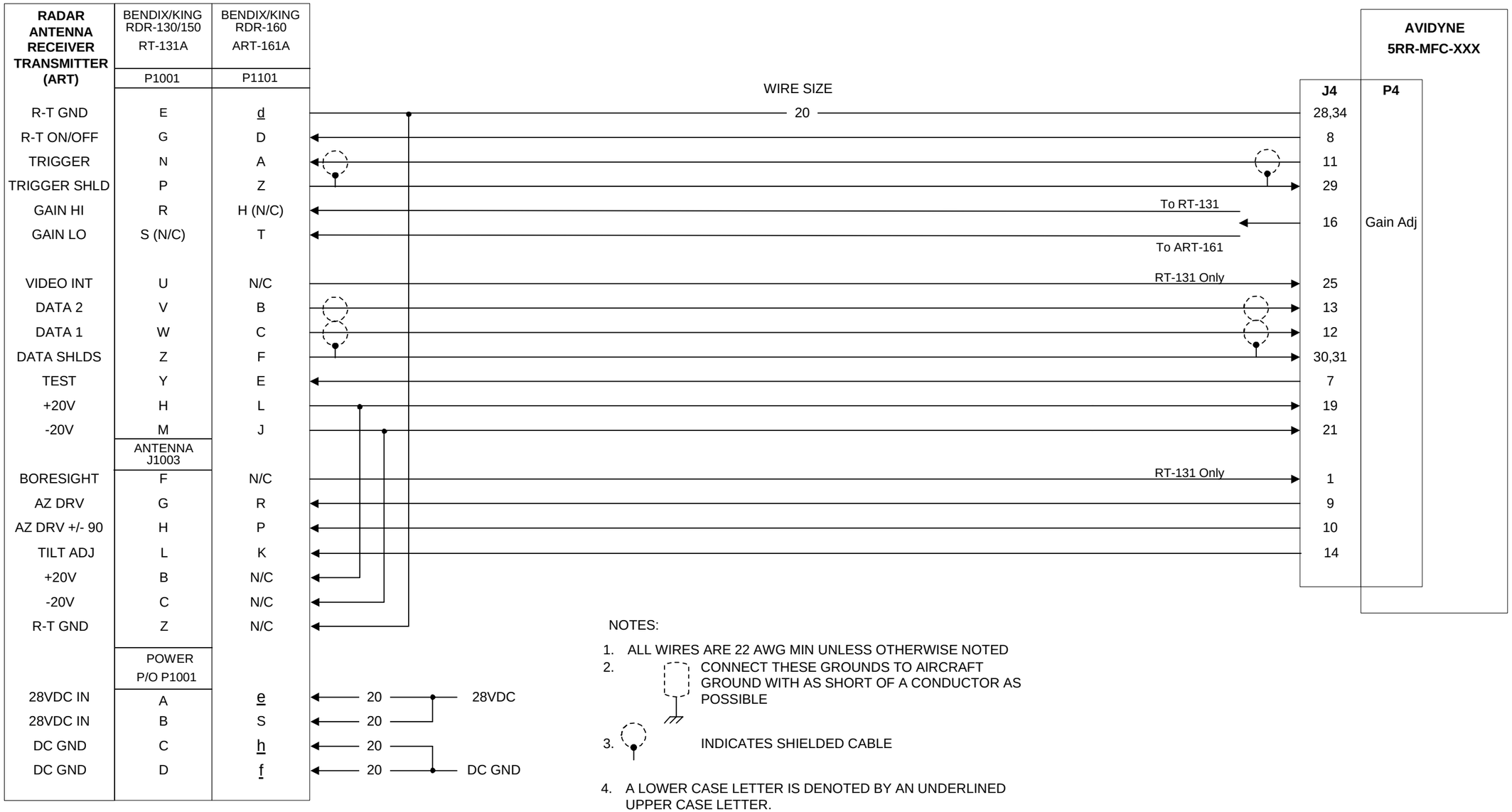


NOTES:

1. ALL WIRES ARE 22 AWG MIN UNLESS OTHERWISE NOTED
2. CONNECT THESE GROUNDS TO AIRCRAFT GROUND WITH AS SHORT OF A CONDUCTOR AS POSSIBLE
3. INDICATES SHIELDED CABLE
4. A LOWER CASE LETTER IS DENOTED BY AN UNDERLINED UPPER CASE LETTER.
5. GAIN-ADJUST FROM FSD IS CONNECTED TO GAIN-HI ON RT-131A AND GAIN-LO ON ART-161A. THIS IS ACCOMPLISHED BY USING THE APPROPRIATE ADAPTER CABLE.

   FOR RT-131A USE 100-00017-000
   FOR RT-161A USE 100-00017-001

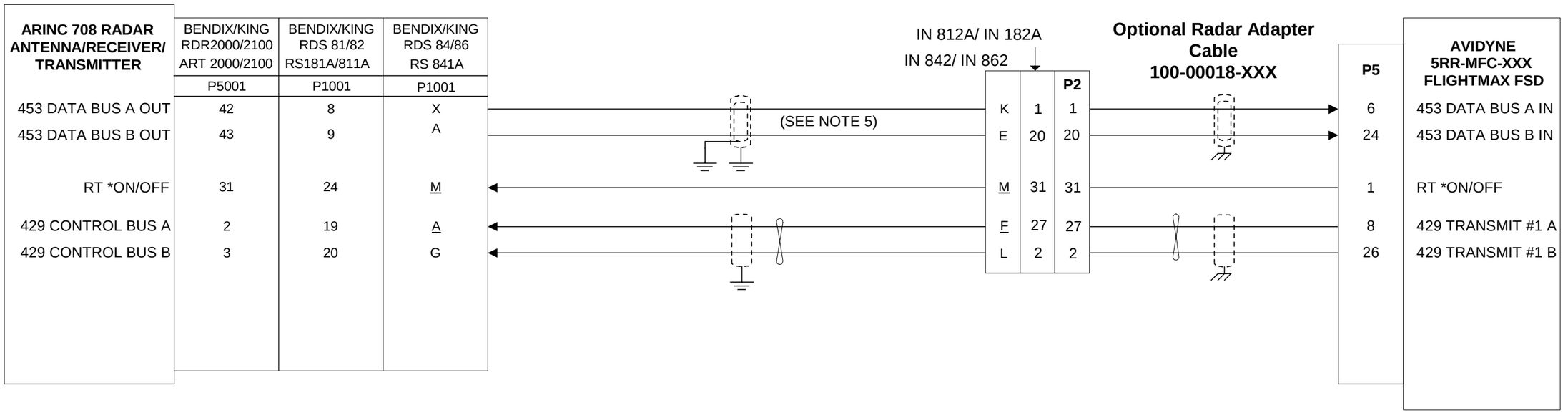
APPENDIX O - RT-131A (with AT-133A or DA-144A), ART-161A Wiring Diagram, Direct Connection to R/T



NOTES:

1. ALL WIRES ARE 22 AWG MIN UNLESS OTHERWISE NOTED
2. CONNECT THESE GROUNDS TO AIRCRAFT GROUND WITH AS SHORT OF A CONDUCTOR AS POSSIBLE
3. INDICATES SHIELDED CABLE
4. A LOWER CASE LETTER IS DENOTED BY AN UNDERLINED UPPER CASE LETTER.

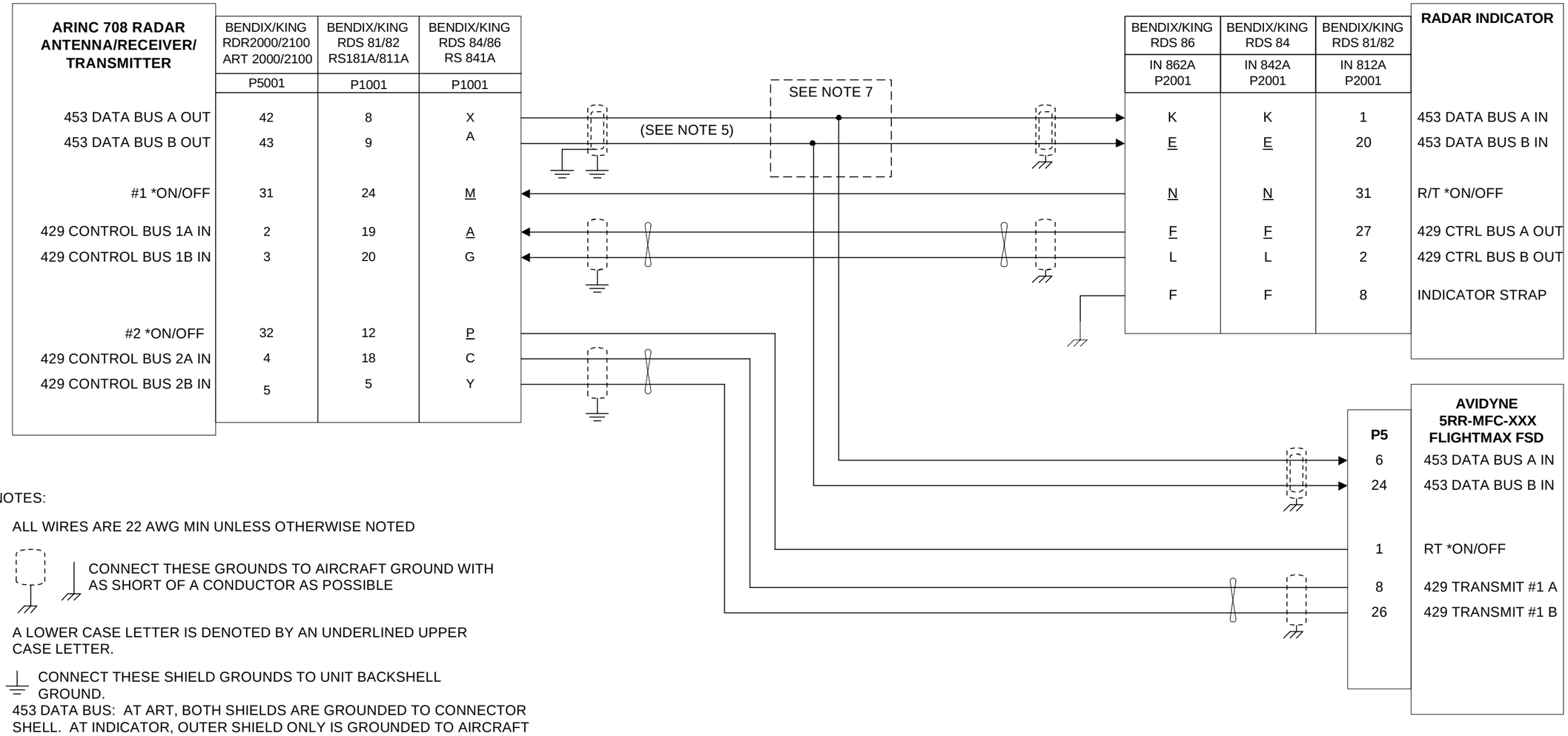
APPENDIX P - Digital Radar Wiring Diagram, Using FSD as Sole Radar Indicator



NOTES:

1. ALL WIRES ARE 22 AWG MIN UNLESS OTHERWISE NOTED
2. CONNECT THESE GROUNDS TO AIRCRAFT GROUND WITH AS SHORT OF A CONDUCTOR AS POSSIBLE
3. A LOWER CASE LETTER IS DENOTED BY AN UNDERLINED UPPER CASE LETTER.
4. CONNECT THESE SHIELD GROUNDS TO UNIT BACKSHELL GROUND.
5. 453 DATA BUS: AT ART, BOTH SHIELDS ARE GROUNDED TO CONNECTOR SHELL. AT INDICATOR, OUTER SHIELD ONLY IS GROUNDED TO AIRCRAFT GROUND AS SHOWN. USE QUADRAX CABLE - NON PVC JACKET BENDIX KING P/N 024-00064-0000 OR EQUIVALENT.
6. INTERFACE SHOWN IS CONNECTION TO AVIDYNE FSD ONLY. REFER TO RADAR MANUFACTURER'S SPECIFIC INSTALLATION INSTRUCTIONS FOR COMPLETE INTERCONNECTION OF RADAR SYSTEM.
7. DENOTES TWISTED PAIR

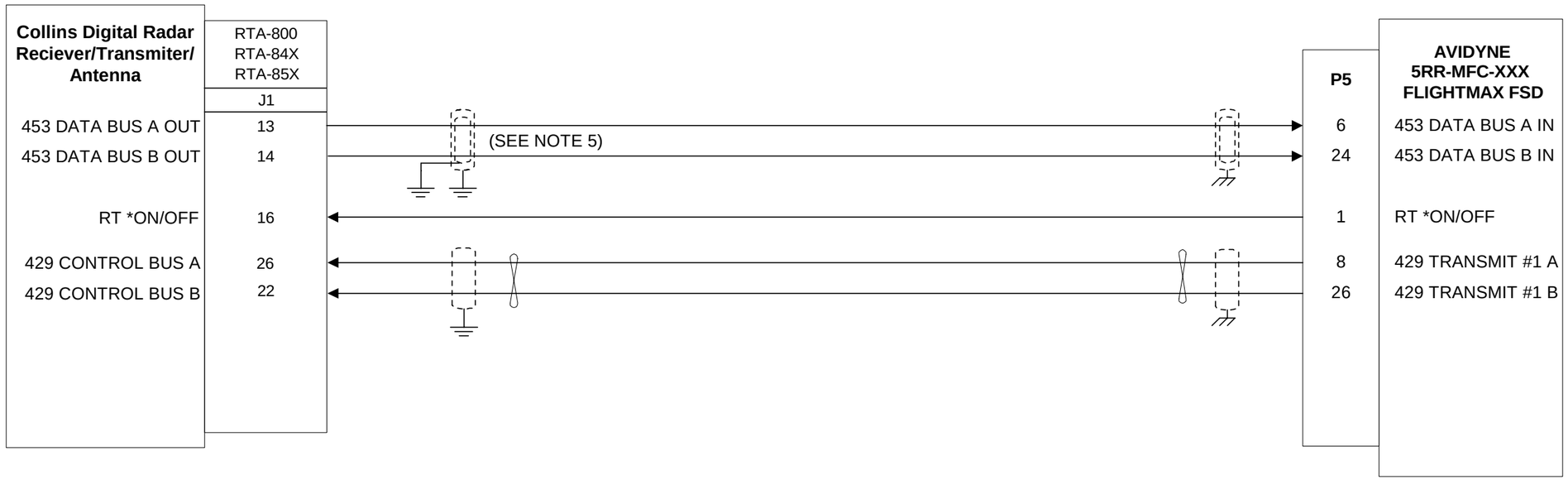
APPENDIX Q - Digital Radar Wiring Diagram, Using FSD as Secondary Indicator



NOTES:

1. ALL WIRES ARE 22 AWG MIN UNLESS OTHERWISE NOTED
2. CONNECT THESE GROUNDS TO AIRCRAFT GROUND WITH AS SHORT OF A CONDUCTOR AS POSSIBLE
3. A LOWER CASE LETTER IS DENOTED BY AN UNDERLINED UPPER CASE LETTER.
4. CONNECT THESE SHIELD GROUNDS TO UNIT BACKSHELL GROUND.
5. 453 DATA BUS: AT ART, BOTH SHIELDS ARE GROUNDED TO CONNECTOR SHELL. AT INDICATOR, OUTER SHIELD ONLY IS GROUNDED TO AIRCRAFT GROUND AS SHOWN. USE QUADRAX CABLE - NON PVC JACKET BENDIX KING P/N 024-00064-0000 OR EQUIVALENT.
6. INTERFACE SHOWN IS CONNECTION TO AVIDYNE FSD ONLY. REFER TO RADAR MANUFACTURER'S SPECIFIC INSTALLATION INSTRUCTIONS FOR COMPLETE INTERCONNECTION OF RADAR SYSTEM.
7. THESE CONNECTIONS TO BE MADE WITHIN A UNIT BACKSHELL.
8. DENOTES TWISTED PAIR

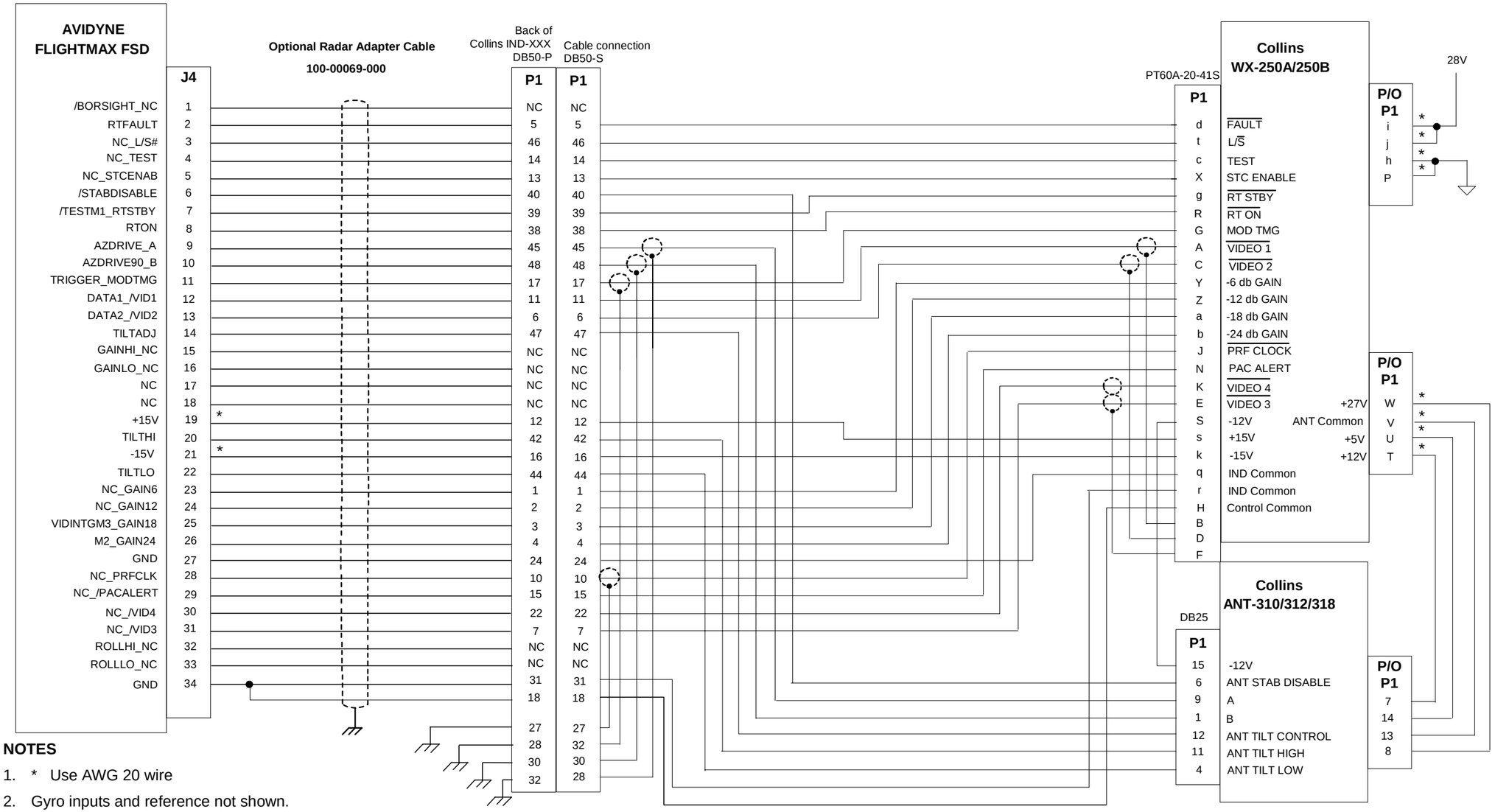
APPENDIX R - Collins Digital Radar Wiring Diagram



NOTES:

1. ALL WIRES ARE 22 AWG MIN UNLESS OTHERWISE NOTED
2. CONNECT THESE GROUNDS TO AIRCRAFT GROUND WITH AS SHORT OF A CONDUCTOR AS POSSIBLE
3. A LOWER CASE LETTER IS DENOTED BY AN UNDERLINED UPPER CASE LETTER.
4. CONNECT THESE SHIELD GROUNDS TO UNIT BACKSHELL GROUND.
5. 453 DATA BUS: AT ART, BOTH SHIELDS ARE GROUNDED TO CONNECTOR SHELL. AT INDICATOR, OUTER SHIELD ONLY IS GROUNDED TO AIRCRAFT GROUND AS SHOWN. USE QUADRAX CABLE - NON PVC JACKET BENDIX KING P/N 024-00064-0000 OR EQUIVALENT.
6. INTERFACE SHOWN IS CONNECTION TO AVIDYNE FSD ONLY. REFER TO RADAR MANUFACTURER'S SPECIFIC INSTALLATION INSTRUCTIONS FOR COMPLETE INTERCONNECTION OF RADAR SYSTEM.
7. DENOTES TWISTED PAIR

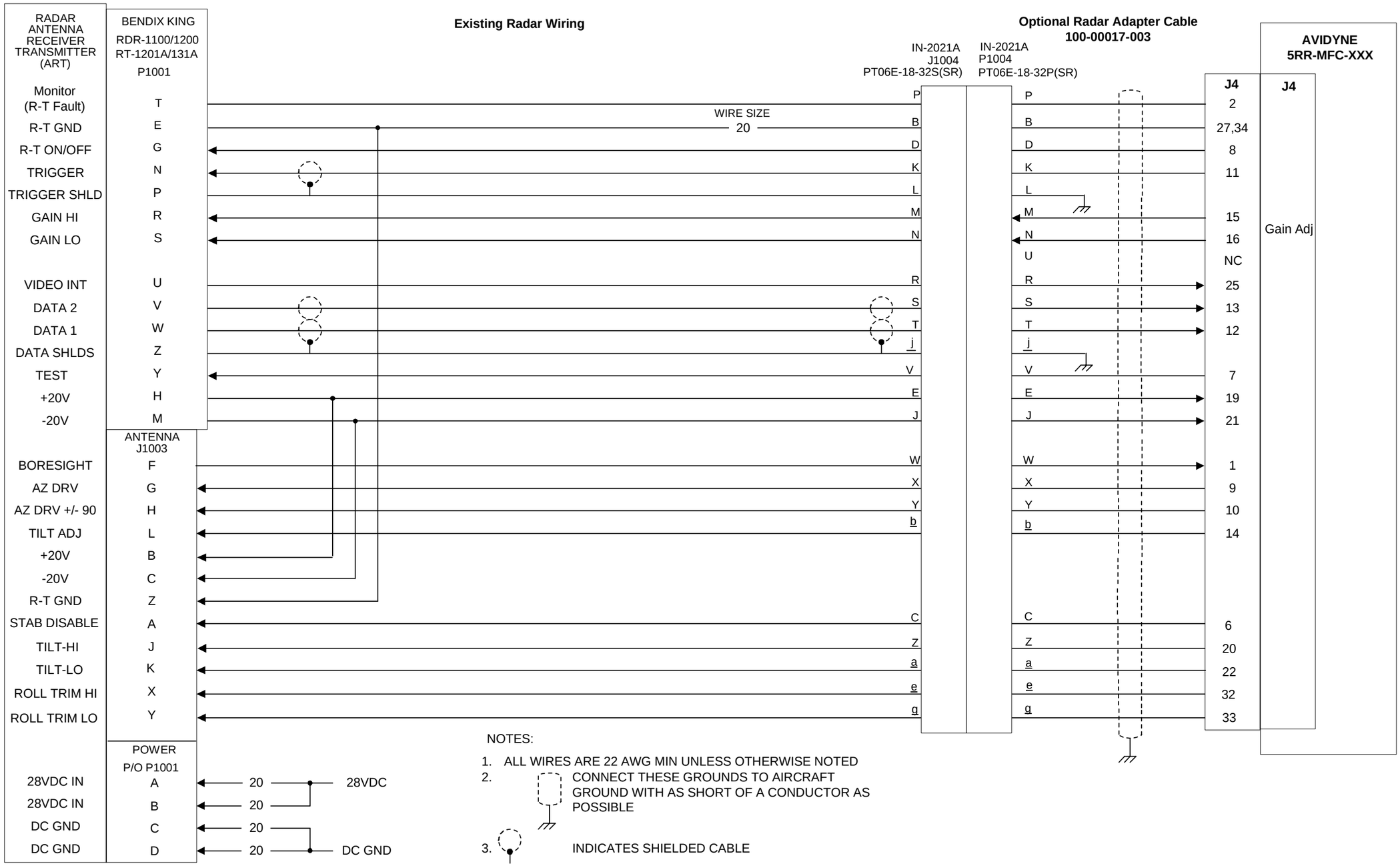
APPENDIX S - Collins Radar Interface



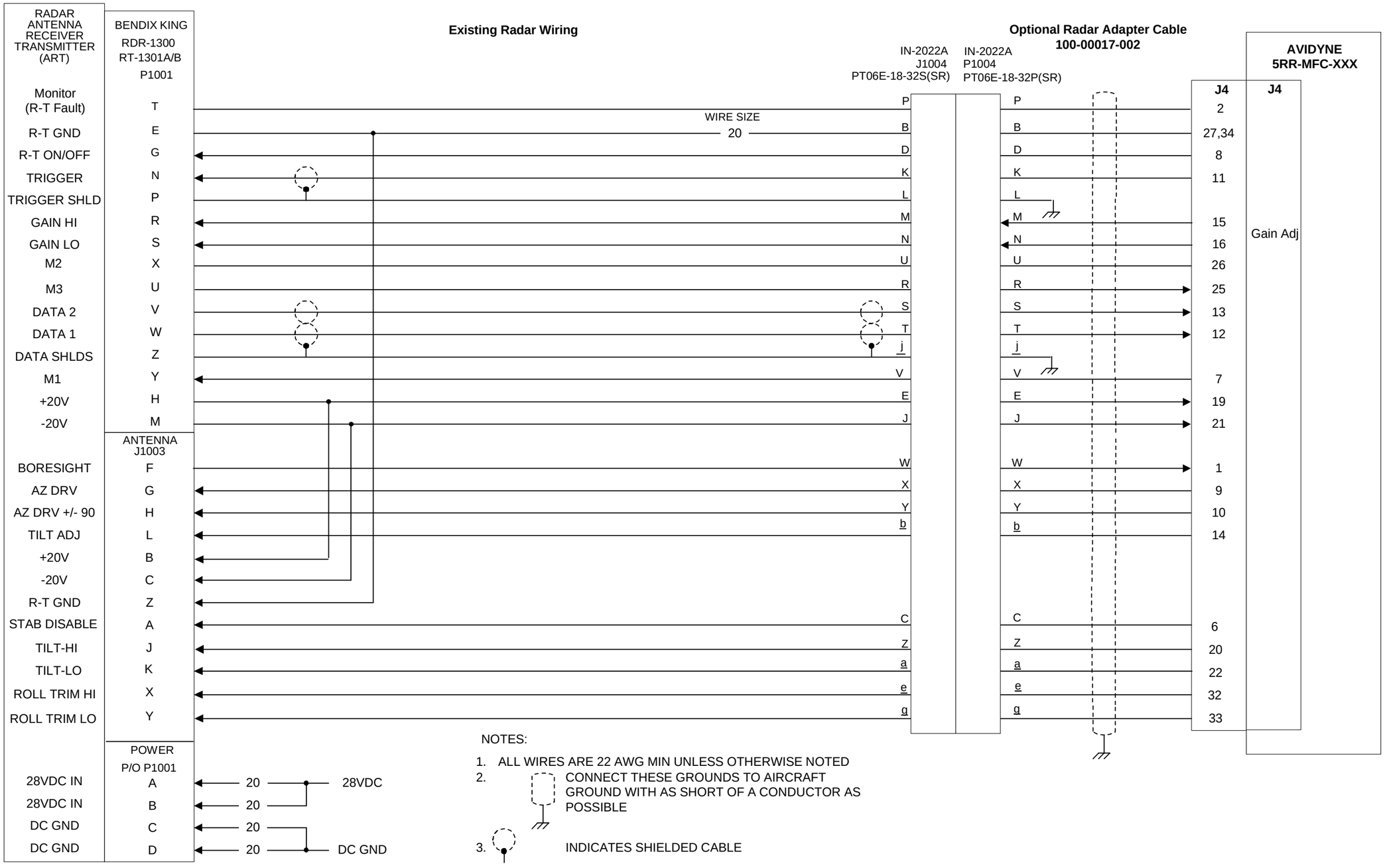
NOTES

1. * Use AWG 20 wire
2. Gyro inputs and reference not shown.
3. If junction box is used for interconnect wiring, all cable shields must be isolated from each other and from aircraft ground.
4. Recommended cable length is 6 meters (20 ft.) or less.
5. Refer to R/T manufactures manual to verify R/T wiring.

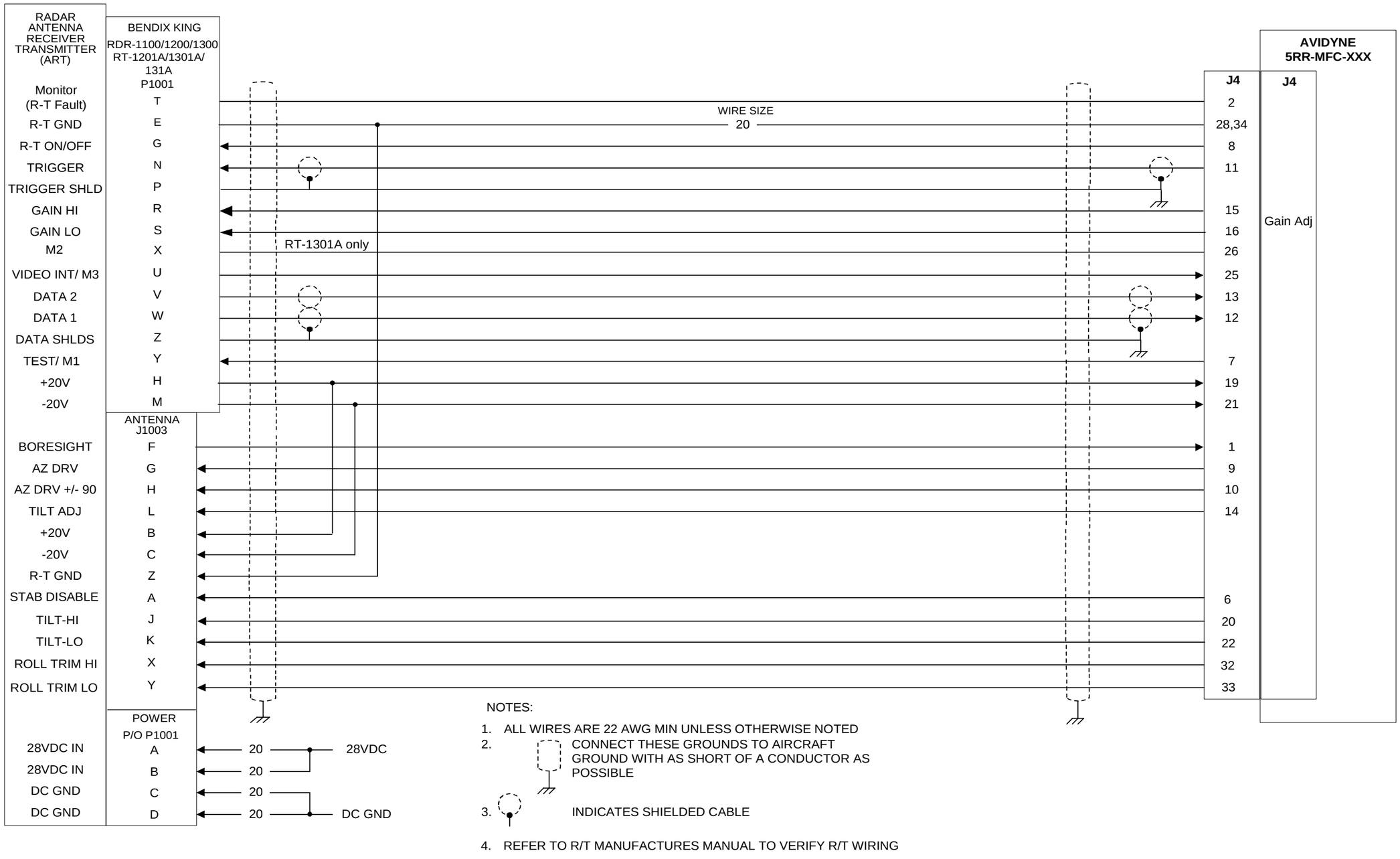
APPENDIX T - RT-1201A/131A (with DA-1203A) Wiring Diagram, Using Avidyne Adapter Cable



APPENDIX U - RT-1301A/B Wiring Diagram, Using Avidyne Adapter Cable



APPENDIX V - RT-1201A/131A and RT-1301A/B Wiring Diagram, Direct Connection to R/T



NOTES:

1. ALL WIRES ARE 22 AWG MIN UNLESS OTHERWISE NOTED
2. CONNECT THESE GROUNDS TO AIRCRAFT GROUND WITH AS SHORT OF A CONDUCTOR AS POSSIBLE
3. INDICATES SHIELDED CABLE
4. REFER TO R/T MANUFACTURES MANUAL TO VERIFY R/T WIRING