High-Speed/High Frequency Contact Design Form
For Connectors and Cables

The following check list is provided to help you specify a high frequency contact and cable system, and it will help our design team to meet your requirements. You may copy this page and fax it to Amphenol Aerospace 607-563-5157, attention Contact Design. Or call 607-563-5011 or 800-678-0141 for assistance.

Date_____

Amphenol _____

Salesperson_____

CUSTOMER INFORMATION

Customer Company Name_____

Engineer Name_____

Program_____

Forecast_____

CABLE INFORMATION

Cable Part Number*_____

Cable Manufacturer _____

Cable Type: Coaxial ☐   Twinax ☐   Triax ☐   Quadrax ☐

Cable Impedance _____

CONNECTOR INFORMATION

Connector Family: TV-R ☐   LJT-R ☐   JT-R ☐

Other _____

Insert Arrangement Desired_____

Shell Style_____

Shell Plating_____

CONTACT INFORMATION

Type: Coaxial ☐   Concentric Twinax ☐   Triax ☐

   Differential Twinax* ☐   Quadrax* ☐

Size*: 8 ☐   12 ☐   16 ☐

Contact Impedance Matched?   Yes ☐   No ☐

50 Ohm ☐   75 Ohm ☐   100 Ohm ☐   150 Ohm ☐

Other_____
* Quadrax and Differential Twinax currently available in size 8 only.

* if not an RG-Number complete below information:

O.D. of Inner Wire_____   AWG of Inner Wires_____

No. of Inner Wire Strands_____   Material of Inner Wires _____

O.D. of Inner Insulation_____   Material of Inner Insulation_____

O.D. of First Braid_____   Braid Type_____   Braid AWG _____
                                                        (flat, round, wrap)

O.D. of First Jacket_____   Jacket Material_____

O.D. of Second Braid_____   Braid Type_____   Braid AWG _____
                                                          (flat, round, wrap)

O.D. of Second Jacket_____   Jacket Material_____

It is essential that a 3 foot sample of the cable be supplied for performance and crimp tool development.

PERFORMANCE INFORMATION

Electrical Protocol _____

VSWR Requirement 1. to 1._____   Cross Talk_____db

Operating Frequency_____   Attenuation_____ Insertion Loss _____

Operating Voltage _____   VAC (RMS) _____DC

Current Outer Contact_____Amp   Current Inner Contacts_____Amp

Application Temperature_____   Environmental Requirement_____