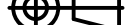

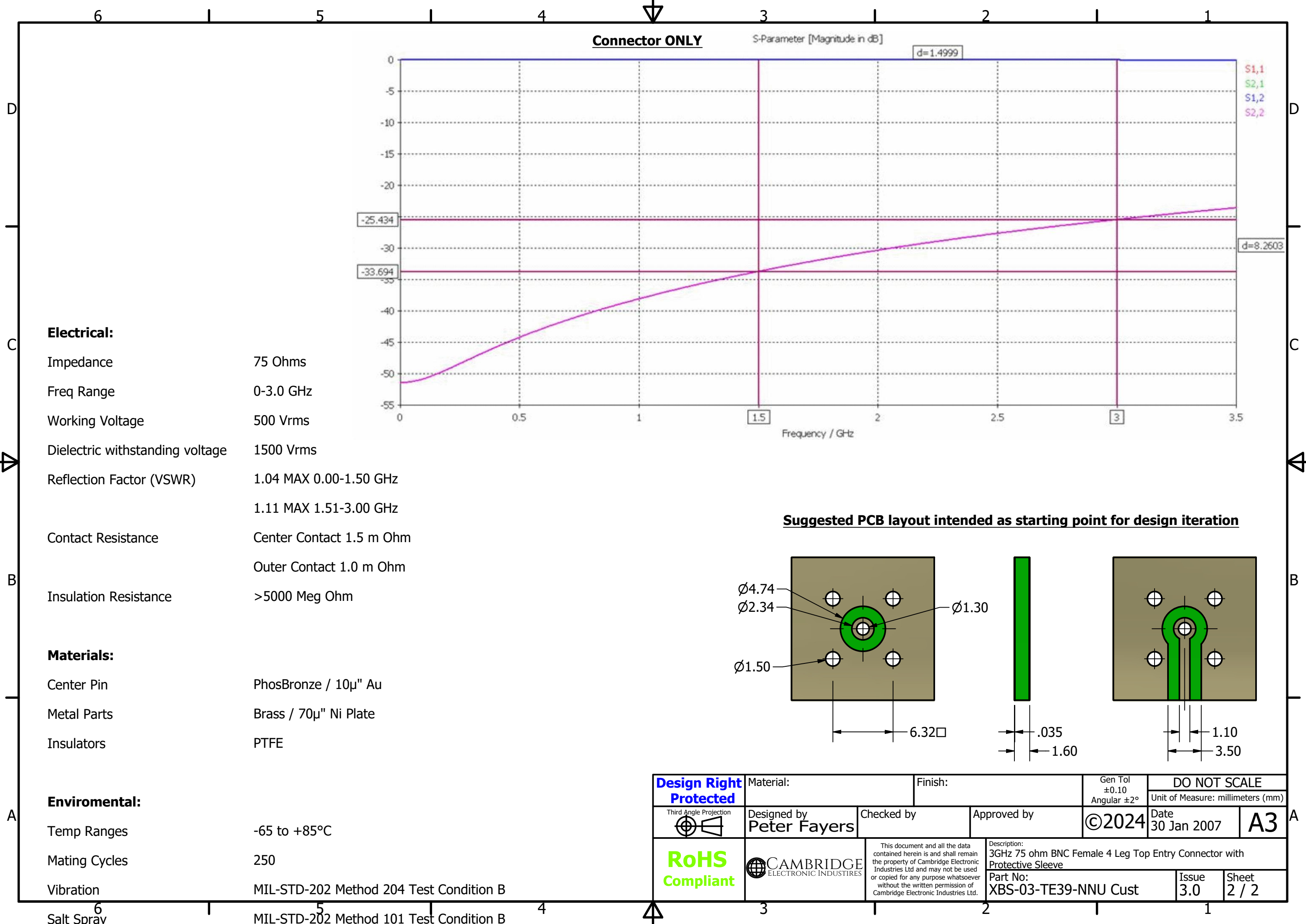


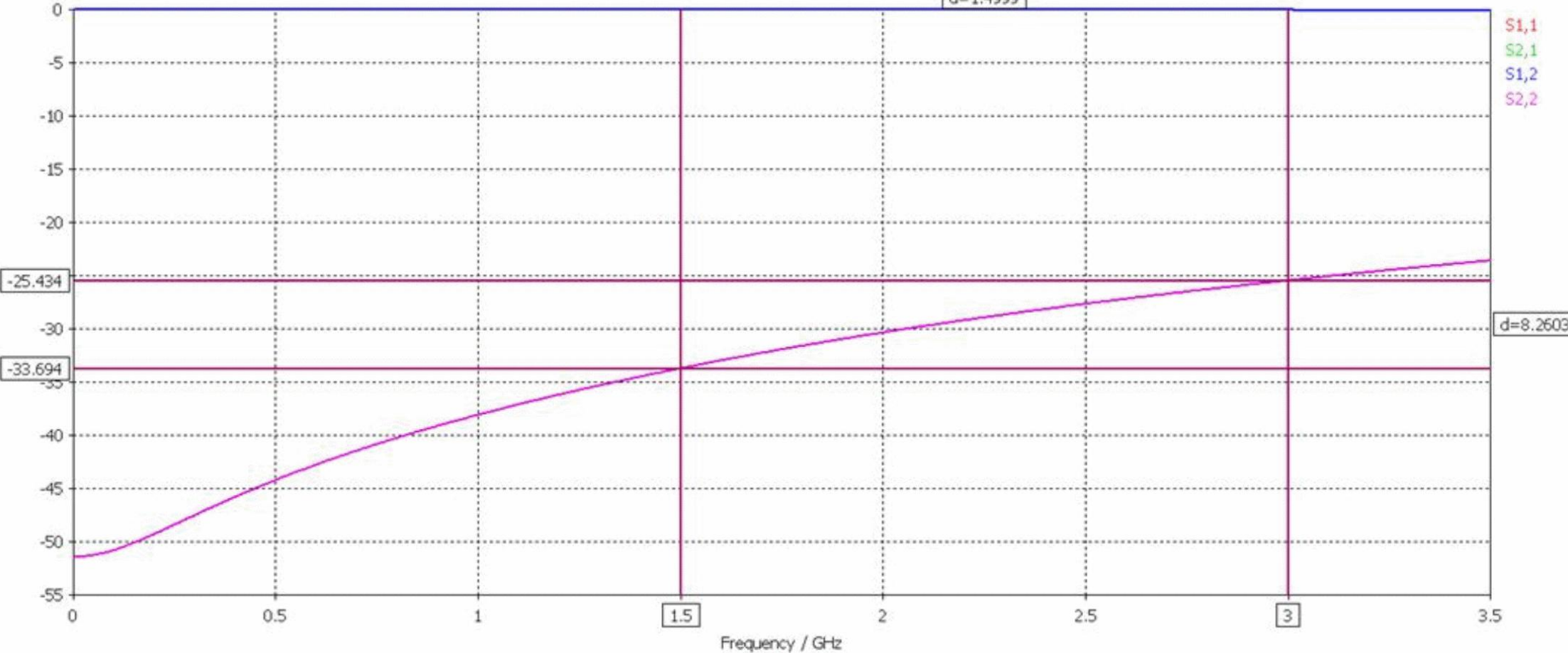
| REVISION HISTORY | | | | |
|------------------|--------------------|----------|-------------|---------------|
| REV | DESCRIPTION | CHG REF | DATE | DESIGNER |
| 1.0 | Origin | - | 08/08/2012 | Peter Fayers |
| 1.1 | Part Number Issued | - | 28/11/2012 | Peter Fayers |
| 3.0 | Updated P/N | FB / INT | 16 Jan 2025 | Peter Millard |

| | | | | | | | | | |
|-----------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------|--|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--------------------------------------------------------------------------------------------|--|-----------------------------------|---------------------|-----------|
| Design Right Protected | Material: | | Finish: | | Gen Tol ±0.10 Angular ±2° | | DO NOT SCALE | | |
| | | | | | | | Unit of Measure: millimeters (mm) | | |
| Third Angle Projection  | Designed by Peter Fayers | | Checked by | | Approved by | | ©2024 | Date 30 Jan 2007 | A3 |
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| | | | | | Part No: XBS-03-TE39-NNU Cust | | Issue 3.0 | Sheet 1 / 2 | |



Connector ONLY

S-Parameter [Magnitude in dB]



Electrical:

| | |
|---------------------------------|-----------------------------------------------------|
| Impedance | 75 Ohms |
| Freq Range | 0-3.0 GHz |
| Working Voltage | 500 Vrms |
| Dielectric withstanding voltage | 1500 Vrms |
| Reflection Factor (VSWR) | 1.04 MAX 0.00-1.50 GHz 1.11 MAX 1.51-3.00 GHz |
| Contact Resistance | Center Contact 1.5 m Ohm Outer Contact 1.0 m Ohm |
| Insulation Resistance | >5000 Meg Ohm |

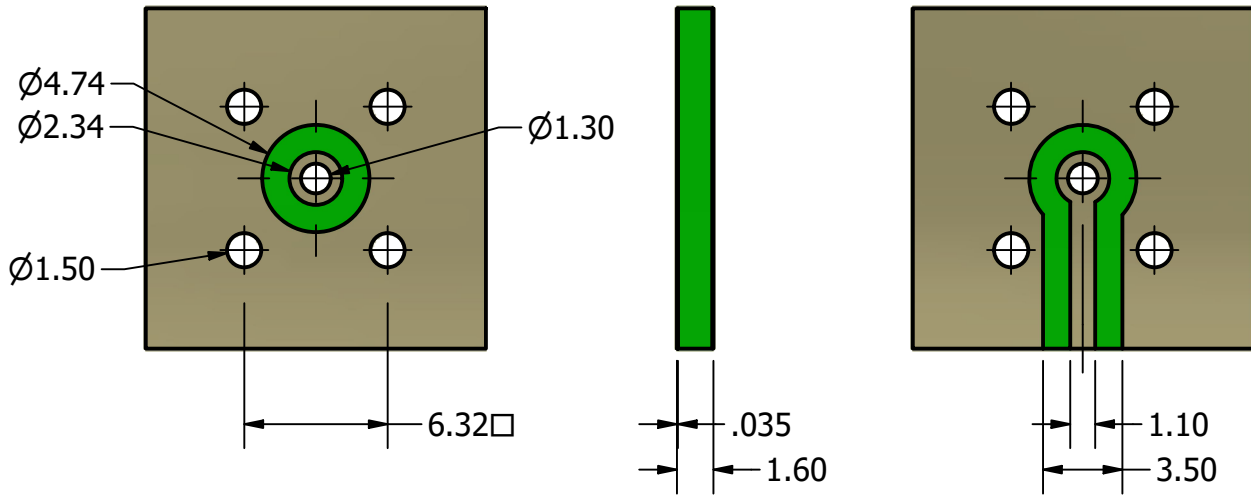
Materials:



| | |
|-------------|-----------------------|
| Center Pin | PhosBronze / 10μ" Au |
| Metal Parts | Brass / 70μ" Ni Plate |
| Insulators | PTFE |

Enviromental:

| | |
|---------------|-----------------------------------------|
| Temp Ranges | -65 to +85°C |
| Mating Cycles | 250 |
| Vibration | MIL-STD-202 Method 204 Test Condition B |
| Salt Spray | MIL-STD-202 Method 101 Test Condition B |

Suggested PCB layout intended as starting point for design iteration



| | | | | | | | | | |
|-----------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------|--|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--------------------------------------------------------------------------------------------|--|-----------------------------------|---------------------|----|
| Design Right Protected | Material: | | Finish: | | Gen Tol ±0.10 Angular ±2° | | DO NOT SCALE | | |
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| | | | | | Part No: XBS-03-TE39-NNU Cust | | Issue 3.0 | Sheet 2 / 2 | |