

#### Superior Electrical Performance in a Right-Priced Package Doesn't Just Happen.

It results from the disciplined application of the BEST DESIGN practices, PRECISION CONSTRUCTION techniques, SKILLFUL ASSEMBLY work, and STRINGENT QUALITY CONTROL — backed up by RIGOROUS TESTING. These fundamentals combine to give you what we call...

### The Test Essentials<sup>™</sup> Advantage.

# *Test Essentials*<sup>™</sup>*Lab Adapters*

Test Essentials™ Lab Adapters have been designed for daily use in microwave/RF labs and production facilities and offer one of the industry's best price/performance ratios. Test Essentials™ Lab Adapters feature excellent electrical performance, rugged construction for durability, repeatable mating and high reliability. Test Essentials<sup>™</sup> Lab Adapters are available in N Type, SMA, 3.5mm, 2.92mm, 2.4mm and 1.85mm in-series and between-series.

## **ColorConnect<sup>™</sup> Precision Adapters**

ColorConnect<sup>™</sup> Precision Adapters have been designed for lab and field use where quality, performance, ease-of-identification and ease-of-use are critical. New manufacturing techniques have given ColorConnect<sup>™</sup> Precision Adapters improved VSWR specifications bridging the gap between calibrationgrade metrology adapters and daily-use lab adapters. Following the proposed IEEE high-frequency connector/adapter color convention, ColorConnect™ Precision Adapters are the first commercially available products to offer clear indications of compatibility and intermatability. ColorConnect™ makes it a simple matter to avoid and eliminate damaged equipment, degraded equipment reliability, degraded performance and lengthy maintenance times due to improper mating (and attempted mating) of incompatible adapters. ColorConnect<sup>™</sup> Precision Adapters are available in N Type, SMA, 3.5mm, 2.92mm, 2.4mm and 1.85mm in-series and between-series.

#### **Compensated Female Contacts** are Designed to Maintain Function • 1.85mm CONFIGURATIONS Coupling Nuts with Mating Surface for >500 Matings .85mm • 2.4mm 2.4mm .92m Standard Hex Wrench Flatness/Finish • 2.92mm Flats Facilitate Proper Minimizes Torquing for Best • 3.5mm Signal Loss SMA Repeatability SMA 3.5mm 2.92mm Type N **Compensated Beads** 2.4mm Maintain an Accurate 1.85mm 50 Ohm Transmission Line ColorConnect<sup>™</sup> Precision Adapters Are Available For: For Best VSWR • 1.85mm CONFIGURATIONS **Orbital Consistency &** 85mr 2.4mm • 2.4mm 2.92m 3.5mn SMA **Concentricity Ensure** • 2.92mm Proper Alignment & Critical Pin Depth/Position Tolerance • 3.5mm Best Repeatability SMA Prevents Performance Degradation 3 5mm Type N (Due to "Gap-Fit") or Component 2.92mm Damage (Due to "Interference-Fit") 2.4mm 1.85mm Inner & Outer Conductors Finish & Materials

Ensure Hiah Conductivity with Reduced Signal Loss

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#### Test Essentials<sup>™</sup> Lab Adapters Are Available For:

1.85mm	3.5		SMA	
2.4mm		Type N		
2.92mm		Col	orConnect™ In-Se	
	ColorConn	ect™ Precisi		elles Adapters
Model	Connector 1	Connector 2	Frequency	VSWR
CC-A-SMA-FF	SMA Female	SMA Female	DC - 18.0	1.15
CC-A-SMA-MF	SMA Male	SMA Female	DC – 18.0	1.15
CC-A-SMA-MM	SMA Male	SMA Male	DC – 18.0	1.15
CC-A-N-FF	N Female	N Female	DC – 18.0	1.15
CC-A-N-MM	N Male	N Male	DC – 18.0	1.15
CC-A-N-MF	N Male	N Female	DC – 18.0	1.15
CC-A-35N-FF	3.5mm Female	N Female	DC – 18.0	1.14
CC-A-35N-MM	3.5mm Male	N Male	DC – 18.0	1.14
CC-A-35N-FM	3.5mm Female	N Male	DC – 18.0	1.14
CC-A-35N-MF	3.5mm Male	N Female	DC – 18.0	1.14
CC-A-35-FF	3.5mm Female	3.5mm Female	DC – 26.5	1.12
CC-A-35-MM	3.5mm Male	3.5mm Male	DC – 26.5	1.12
CC-A-35-MF	3.5mm Male	3.5mm Female	DC – 26.5	1.12
CC-A-2435-FF	2,4mm Female	3.5mm Female	DC – 26.5	1.10
CC-A-2435-MM	2.4mm Male	3.5mm Male	DC – 26.5	1.10
CC-A-2435-FM	2.4mm Female	3.5mm Male	DC – 26.5	1.10
CC-A-2435-MF	2.4mm Male	3.5mm Fem	DC – 26.5	1.10
CC-A-292-FF	2.92mm Female	2.92mm Female	DC – 40.0	1.14
CC-A-292-MM	2.92mm Male	2.92mm Male	DC – 40.0	1.14
CC-A-292-MF	2.92mm Male	2.92mm Female	DC – 40.0	1.14
CC-A-24292-FF	2.4mm Female	2.92mm Female	DC – 40.0	1.14
CC-A-24292-MM	2.4mm Male	2.92mm Male	DC – 40.0	1.14
CC-A-24292-FM	2.4mm Female	2.92mm Male	DC – 40.0	1.14
CC-A-24292-MF	2.4mm Male	2.92mm Female	DC – 40.0	1.14
CC-A-24-FF	2,4mm Female	2,4mm Female	DC – 50.0	1.17
CC-A-24-MM	2.4mm Male	2.4mm Male	DC - 50.0	1.17
CC-A-24-MF	2.4mm Male	2.4mm Female	DC - 50.0	1.17
CC-A-185-FF	1.85mm Female	1.85mm Female	DC - 65.0	1.20
CC-A-185-MM	1.85mm Male	1.85mm Male	DC - 65.0	1.20
	1.85mm Male	1.85mm Female	DC - 65.0	1.20

# Proposed IEEE High-Frequency Connector/Adapter Color Convention Available with Maury ColorConnect<sup>TM</sup> Precision Adapters





Test Essentials<sup>TM</sup> In-Series Adapters

Test Essentials™ Lab Adapters   Model Connector 1 Connector 2 Frequency VS						
			Frequency	VSWR		
TE-A-SMA-FF	SMA Female	SMA Female	DC - 18.0	1.15		
TE-A-SMA-MM	SMA Male	SMA Male	DC - 18.0	1.15		
TE-A-SMA-MF	SMA Male	SMA Female	DC - 18.0	1.15		
E-A-SMAN-FF	SMA Female	N Female	DC - 18.0	1.15		
E-A-SMAN-MM	SMA Male	N Male	DC - 18.0	1.15		
E-A-SMAN-FM	SMA Female	N Male	DC - 18.0	1.15		
E-A-SMAN-MF	SMA Male	N Female	DC - 18.0	1.15		
E-A-N-FF	N Female	N Female	DC – 18.0	1.20		
re-a-n-mm	N Male	N Male	DC - 18.0	1.20		
TE-A-N-MF	N Male	N Female	DC – 18.0	1.20		
TE-A-35N-FF	3.5mm Female	N Female	DC - 18.0	1.15		
re-a-35N-MM	3.5mm Male	N Male	DC - 18.0	1.15		
TE-A-35N-FM	3.5mm Female	N Male	DC - 18.0	1.15		
re-a-35N-MF	3.5mm Male	N Female	DC - 18.0	1.15		
TE-A-35-FF	3.5mm Female	3.5mm Female	DC - 26.5	1.20		
TE-A-35-MM	3.5mm Male	3.5mm Male	DC – 26.5	1.20		
re-A-35-MF	3.5mm Male	3.5mm Female	DC – 26.5	1.20		
E-A-2435-FF	2.4mm Female	3.5mm Female	DC – 26.5	1.15		
E-A-2435-MM	2.4mm Male	3.5mm Male	DC – 26.5	1.15		
E-A-2435-FM	2.4mm Female	3.5mm Male	DC – 26.5	1.15		
E-A-2435-MF	2.4mm Male	3.5mm Female	DC – 26.5	1.15		
re-A-292-FF	2.92mm Female	2.92mm Female	DC - 40.0	1.17		
re-a-292-MM	2.92mm Male	2.92mm Male	DC - 40.0	1.17		
E-A-292-MF	2.92mm Male	2.92mm Female	DC - 40.0	1.17		
TE-A-24292-FF	2.4mm Female	2.92mm Female	DC - 40.0	1.17		
E-A-24292-MM	2.4mm Male	2.92mm Male	DC - 40.0	1.17		
E-A-24292-FM	2.4mm Female	2.92mm Male	DC - 40.0	1.17		
E-A-24292-MF	2.4mm Male	2.92mm Female	DC - 40.0	1.17		
E-A-24-FF	2,4mm Female	2.4mm Female	DC - 50.0	1.22		
re-a-24-MM	2.4mm Male	2.4mm Male	DC - 50.0	1.22		
TE-A-24-MF	2.4mm Male	2.4mm Female	DC - 50.0	1.22		
TE-A-185-FF	1.85mm Female	1.85mm Female	DC - 65.0	1.30		
TE-A-185-MM	1.85mm Male	1.85mm Male	DC - 65.0	1.30		
TE-A-185-MF	1.85mm Male	1.85mm Female	DC - 65.0	1.30		