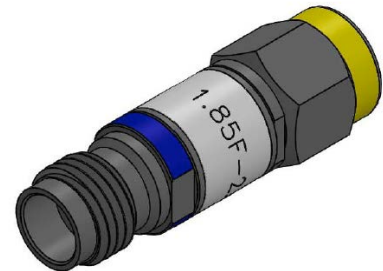




65 Years
of Innovation



Delta Color Coded 2.92 mm, 2.4 mm, 1.85 mm and 1.0 mm Adapters



- ▶ AS 9100 REV D Certified
- ▶ ISO 9001:2015 Compliant Company
- ▶ DFARS - (Defense Federal Acquisition Regulation Supplement) - Specialty Metal
- ▶ SAM (System for Award Management)
- ▶ ITAR Registered thru DDTC
- ▶ Joint Certification Program (JCP) Registered
- ▶ RoHS / Reach Compliant
- ▶ Conflict Metals Compliant
- ▶ Counterfeit Materials Compliant
- ▶ J-STD-001 Soldering - Instructor Category Training & Certification
- ▶ IPC-A-620 Soldering - Instructor Category Training & Certification

USA Headquarters: Beverly MA



AS9100

CERTIFIED

ISO 9001:2015

REGISTERED

DFARS

COMPLIANT

RoHS

COMPLIANT

REACH

COMPLIANT

ITAR

COMPLIANT

JCP

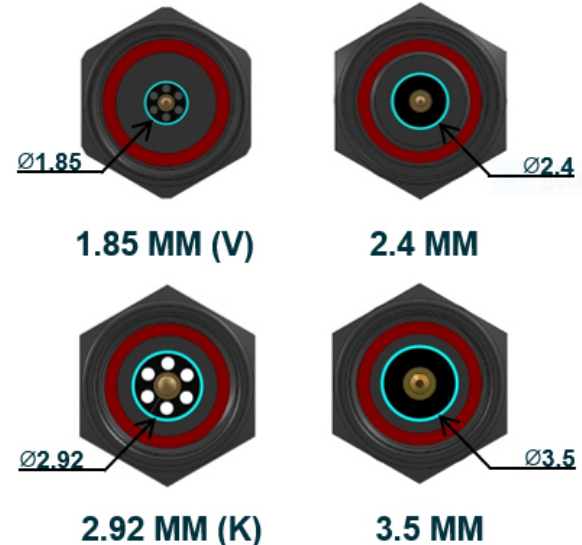
REGISTERED



Delta Precision RF Connectors – Background Information

Precision interfaces can be identified by measuring the inside diameter of the outer conductor!

- ▶ The 1.85 MM Connector, also known as a V connector, operates mode free up to 65 GHz and is mechanically compatible with a 2.4 MM connector which operates up to 50 GHz. Neither of these interfaces will mate with a 2.92 MM, 3.5 MM or an SMA connector.
- ▶ The 2.92 MM, also known as a K connector, operates up to 40 GHz and is mechanically compatible with both a 3.5 mm and an SMA. The 3.5 MM connector operates up to 34 GHz while Delta's optimized SMA's operate up to 27 GHz.
- ▶ Delta offers precision RF cable assembly solutions with both flexible and semi-rigid cables operating up to 65 GHz.
- ▶ The connectors are precision machined from corrosion resistant steel and are plated with Gold or Passivated.



**Delta Electronics High Frequency
Threaded Connectors**











Delta Precision RF Connectors – Within Series Adapters

- ▶ **Coaxial adapters** are critical components used to make reliable transitions from one connector interface to another.
- ▶ Delta's adapters are designed in accordance with IEC 61169-35 (2.92mm), IEC 61169-40 (2.4mm), IEC 61169-32 (1.85mm) & IEC 61169-31 (1.0mm).
- ▶ Each adapter has a critical visual indicator, a color code, which matches the IEEE working group color scheme.
- ▶ The color code promotes proper mating and quick identification.
- ▶ Delta's color-coded adapters will prevent damage and save both cost and time.
- ▶ Delta's franchised distributors stock 2.92 mm, 2.4 mm and 1.85 mm within series adapters.

Within Series Adapters		
7927000K001-805-C	2.92mm MALE To 2.92mm MALE	
7928000K001-803-C	2.92mm FEMALE To 2.92mm FEMALE	
7934000K001-802-C	2.92mm MALE To 2.92mm FEMALE	
8027000K001-803-C	2.4mm MALE To 2.4mm MALE	
8028000K001-803-C	2.4mm FEMALE To 2.4mm FEMALE	
8034000K001-803-C	2.4mm MALE To 2.4mm FEMALE	
8127000K001-803-C	1.85mm MALE To 1.85mm MALE	
8128000K001-803-C	1.85mm FEMALE To 1.85mm FEMALE	
8134000K001-802-C	1.85mm MALE To 1.85mm FEMALE	


Delta Precision RF Connectors – Between Series Adapters

- ▶ **Between series adapters** allow for interconnecting two devices or systems with different RF interfaces.
- ▶ Each adapter has a critical visual indicator, a color code, which matches the IEEE working group color scheme.

		Frequency	Connector Type
	Black	DC-18 GHz	Type N
	Brown	DC-18 GHz	SMA
	Red	DC-20 GHz	Precision N
	Orange	DC-26.5 GHz	3.5mm
	Yellow	DC-40 GHz	2.9mm(SMK)
	Green	DC-50 GHz	2.4mm
	Blue	DC-67 GHz	1.85mm (V)
	Violet	DC-18 GHz	GPC-7
	Gray	Reserved for Future	
	White	DC-110 GHz	1.0mm (W)

- ▶ Delta's franchised distributors stock 2.92 mm, 1.85 mm and 1.0 mm between series adapters.

Between Series Adapters 2.92 mm to 1.85 mm

2227000K001-815-C	2.92mm MALE To 1.85mm MALE	
2228000K001-820-C	2.92mm FEMALE TO 1.85mm FEMALE	
2234000K001-833-C	1.85mm FEMALE TO 2.92mm MALE	
2234000K001-834-C	1.85mm MALE TO 2.92mm FEMALE	

Between Series Adapters 1.0 mm to 1.85 mm

2234000K001-835-C	1.0mm MALE TO 1.85mm FEMALE	
2234000K001-836-C	1.0mm FEMALE TO 1.85mm MALE	

Functional Equivalent X-REF Adapter List

Within Series Adapters			Southwest	SV Micro	Fairview	Pasternack	Huber Suhner
7927000K001-805-C	2.92mm MALE To 2.92mm MALE		1031-00SF	SF1593-6000	SM3235	PE9436	32_SK-50-0-1/199_NE
7928000K001-803-C	2.92mm FEMALE To 2.92mm FEMALE		1032-00SF	SF1590-6000	SM3230	PE91510	31_SK-50-0-1/199_NE
7934000K001-802-C	2.92mm MALE To 2.92mm FEMALE		1030-00SF	SF1597-6003	SM3240	PE9437	33_SK-50-0-1/199_NE
Within Series Adapters			Southwest	SV Micro	Fairview	Pasternack	Huber Suhner
8027000K001-803-C	2.4mm MALE To 2.4mm MALE		1431-00SF	SF1116-6039	N/A	PE9451	N/A
8028000K001-803-C	2.4mm FEMALE To 2.4mm FEMALE		1432-00SF	SF1116-6053	SM3010	PE9453	
8034000K001-803-C	2.4mm MALE To 2.4mm FEMALE		1430-00SF	SF1116-6040	SM3030	PE9452	
Within Series Adapters			Southwest	SV Micro	Fairview	Pasternack	Huber Suhner
8127000K001-803-C	1.85mm MALE To 1.85mm MALE		1831-00SF	SF1133-6009	SM3938	PE91085	32_PC185-50-0-1/199_NE
8128000K001-803-C	1.85mm FEMALE To 1.85mm FEMALE		1832-00SF	SF1133-6008	SM3929	PE91084	31_PC185-50-0-1/199_NE
8134000K001-802-C	1.85mm MALE To 1.85mm FEMALE		1830-00SF	SF1133-6010	SM3937	PE91086	33_PC185-50-0-1/199_NE
Between Series Adapters - 2.92 mm to 1.85 mm			Southwest	SV Micro	Fairview	Pasternack	Huber Suhner
2227000K001-815-C	2.92mm MALE To 1.85mm MALE		101840-00SF	SF1133-6022	SM3970	PE9667	N/A
2228000K001-820-C	2.92mm FEMALE To 1.85mm FEMALE		101810-00SF	SF1133-6021	SM3955	PE9668	
2234000K001-833-C	1.85mm FEMALE To 2.92mm MALE		101830-00SF	SF1133-6019	SM3965	PE9666	
2234000K001-834-C	1.85mm MALE To 2.92mm FEMALE		101820-00SF	SF1133-6020	SM3960	PE9665	
Between Series Adapters - 1.0 mm to 1.85 mm			Southwest	SV Micro	Fairview	Pasternack	Huber Suhner
2234000K001-835-C	1.0mm MALE To 1.85mm FEMALE		182420-00SF	N/A	SM3978	PE91108	N/A
2234000K001-836-C	1.0mm FEMALE To 1.85mm MALE		182430-00SF		SM3974	PE91119	



Thanks for Listening!

Prepared for

**Our Valued
Customers**
