TAOGLAS®

Delivering Trusted Technology for a Smarter World



Taoglas RF Connectors
Adaptors and
Receptacles Catalogue

Taoglas RF Connectors, Adaptors and Receptacles Catalogue

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1. Introduction

Taoglas RF Connectors, Adaptors and Receptacles

Taoglas is a leading provider of advanced technology for a smarter world.

Our solutions include advanced components and technologies and help OEMs, enterprises, and communities to resolve the complexities of bringing digital transformation solutions to market quickly and cost effectively.

Focused on best-in-class, high-performance antenna and RF design with advanced positioning, imaging, audio and artificial intelligence technologies, Taoglas understands the importance of high-performance connections.

Taoglas connectors, adaptors and receptacles are designed to provide superior performance. They are thoroughly tested and come in all mounting types including PCB, panel, and cable, providing the most flexibility for your design and we make all our 3D and 2D drawings available to help you with integration. Our portfolio of products include SMA, FAKRA, MMCX and NMO cable mount connectors for a variety of cable types and for PCB mount requirements, we have SMA, MCX and MMCX connectors.

As 5G development continues, the diversity of applications such as high-speed communications, satellite communications, military and aerospace, alongside the ever-changing demands for higher-frequency test systems are driving coaxial cable assemblies and connectors to the next level. Our series of 2.92 connectors and adaptors, which are all cross-mateable to other industry standard connectors, support DC and up to 40GHz frequencies.

For more information or for configurations not listed here, we can provide solutions based on your requirements pending an MOQ, please contact your local customer services department to discuss further.

2. SMA Connectors & Adaptors

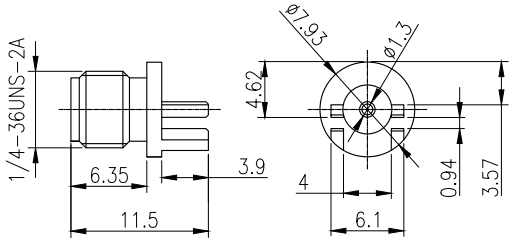
SMA Connectors - PCB Mount

SMA(F)ST for Circular PCB Edge Mount Gold Plating 0.94mm board

Part Number

EMPCB.CSMAFST.A.AU	VSWR	Frequency	Impedance
	≤2	0 - 18GHz	50Ω



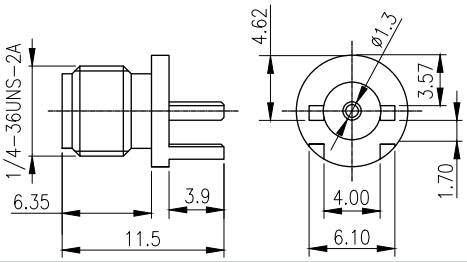


SMA(F)ST for Circular PCB Edge Mount Gold Plating

Part Number

EMPCB.CSMAFSTJ.A	VSWR	Frequency	Impedance
	≤2	0 - 18GHz	50Ω



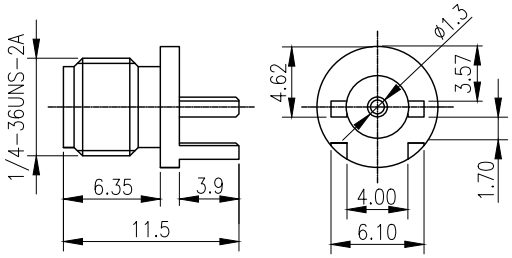


SMA(F)ST for PCB Edge Mount Nickel Plating

Part Number

EMPCB.CSMAFSTJ.NI	VSWR	Frequency	Impedance
	≤2	0 - 18GHz	50Ω



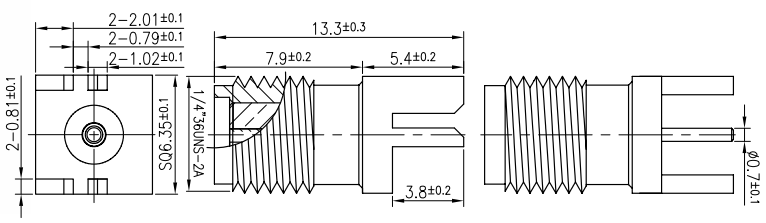


SMA(F)ST for PCB Edge Mount Nickel Plating Connector Solder Attachment

Part Number

EMPCB.SMAFSTJ.C.HT	VSWR	Frequency	Impedance
	≤2	0 - 18GHz	50Ω



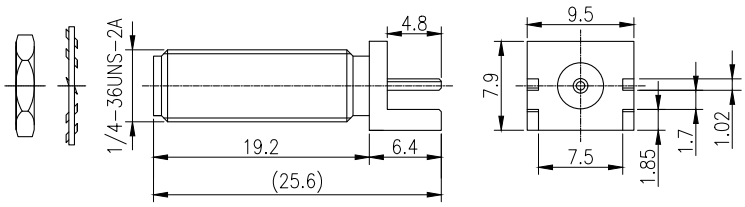


SMA(F)ST for PCB Edge Mount Gold Plating 11.4mm Thread

Part Number

EMPCB.SMAFSTJ.F.HT	VSWR	Frequency	Impedance
	≤2	0 - 18GHz	50Ω



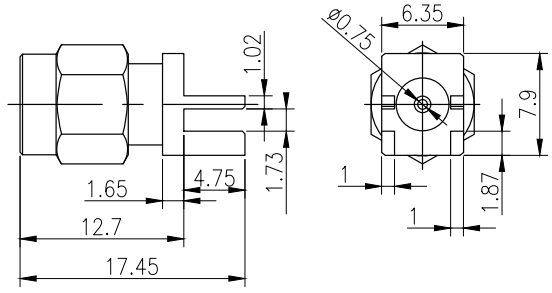


SMA(M)ST for PCB Edge Mount Gold Plating 0.94mm board

Part Number

EMPCB.SMAMST.A	VSWR	Frequency	Impedance
	≤2	0 - 18GHz	50Ω



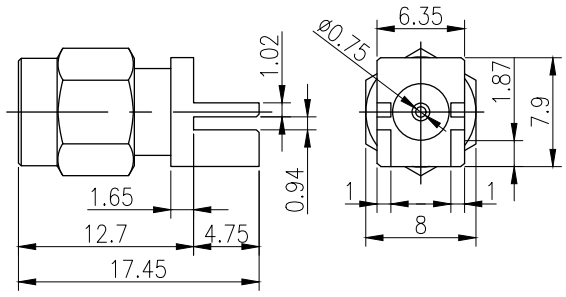


SMA(M)ST for PCB Edge Mount Nickel Plating 0.94mm board

Part Number

EMPCB.SMAMSTP.A.NI	VSWR	Frequency	Impedance
	≤2	0 - 18GHz	50Ω



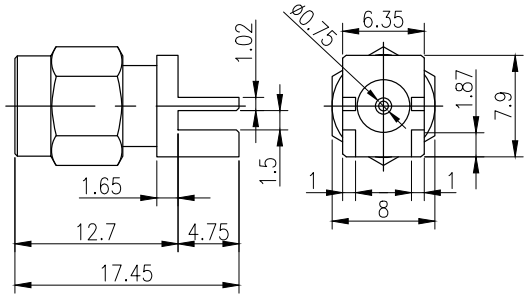


SMA(M)ST for PCB Edge Mount Nickel Plating 1.5mm board

Part Number

EMPCB.SMAMSTP.NI	VSWR	Frequency	Impedance
	≤2	0 - 18GHz	50Ω



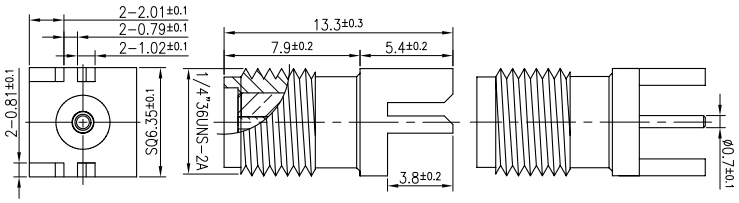


SMA Straight PCB Edge Mount/End Launch, Jack, Gold, 50Ω, Connector Solder Attachment

Part Number

EMPCB.SMAFSTJ.B.HT	VSWR	Frequency	Impedance
	≤2	0 - 18GHz	50Ω



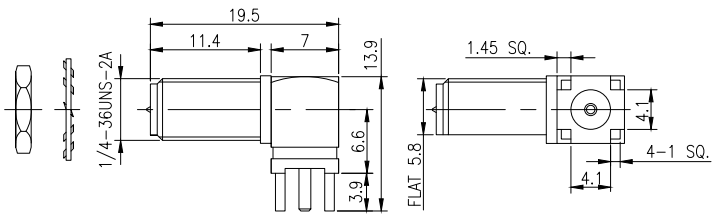


SMA(F)RA for PCB Mount Nickel Plating Leg Length: 3.9mm Extended Thread 11.4mm

Part Number

PCB.114SMAFRA.NI	VSWR	Frequency	Impedance
	≤2	0 - 18GHz	50Ω

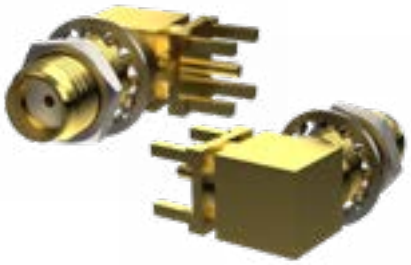


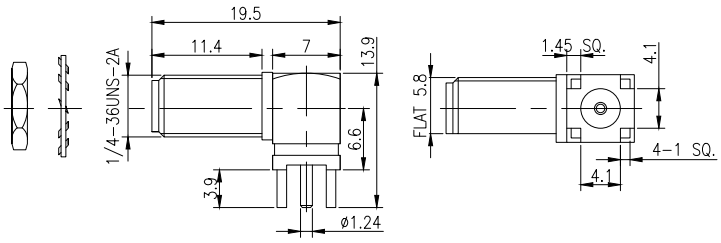


SMA(F)RA for PCB Mount Gold Plating 11.4mm Thread

Part Number

PCB.114SMAFRA.YC	VSWR	Frequency	Impedance
	≤2	0 - 18GHz	50Ω



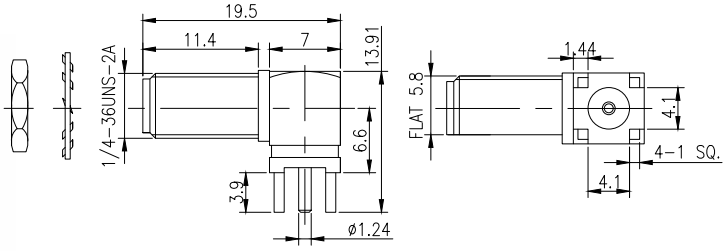


SMA(F)RA for PCB Mount Gold Plating SMD 11.4mm Thread

Part Number

PCB.114SMAFRAJ.A	VSWR	Frequency	Impedance
	≤2	0 - 18GHz	50Ω

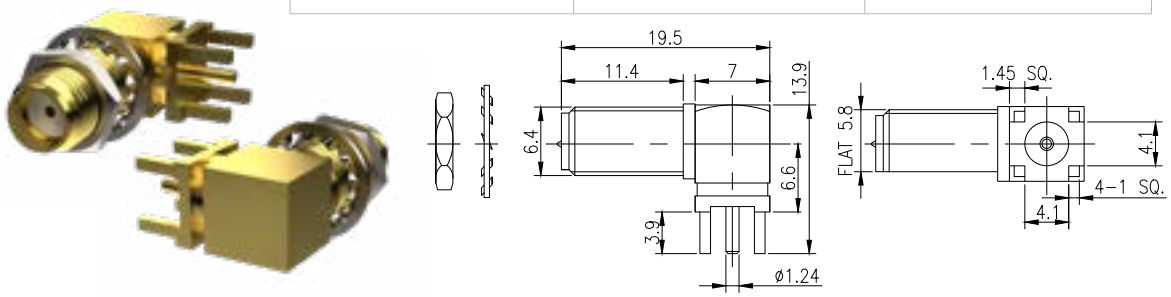




SMA(F)RA RP for PCB Mount Gold Plating SMD 11.4mm Thread 3.9mm Leg Length

Part Number

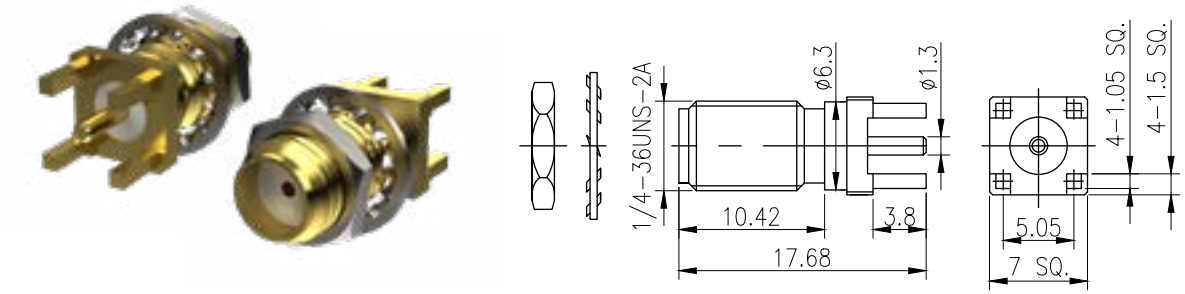
PCB.114SMAFRPRAJ.A	VSWR	Frequency	Impedance
	≤2	0 - 18GHz	50Ω



SMA(F)ST for PCB Mount Gold Plating SMD 11.4mm Thread

Part Number

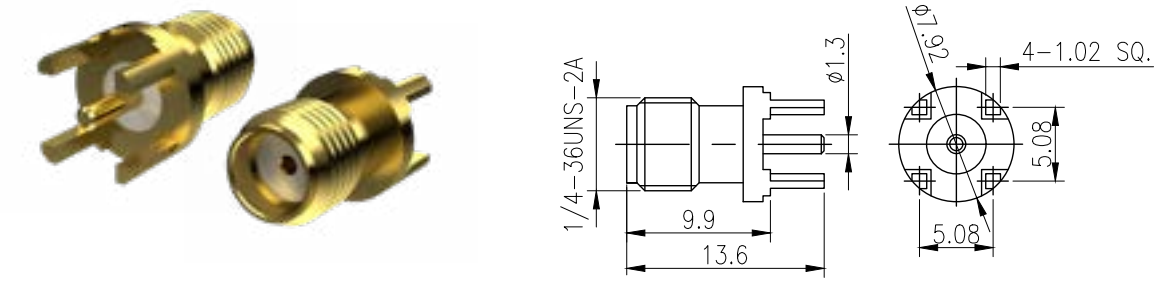
PCB.114SMAFSTJ.A	VSWR	Frequency	Impedance
	≤2	0 - 18GHz	50Ω



SMA(F)ST for Circular PCB Mount Gold Plating

Part Number

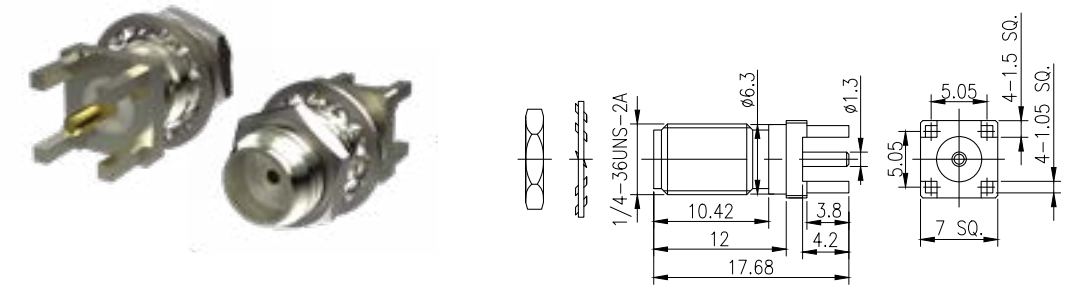
PCB.CSMAFSTJ.A	VSWR	Frequency	Impedance
	≤2	0 - 18GHz	50Ω



SMA(F)ST for Circular PCB Mount Nickel Plating

Part Number

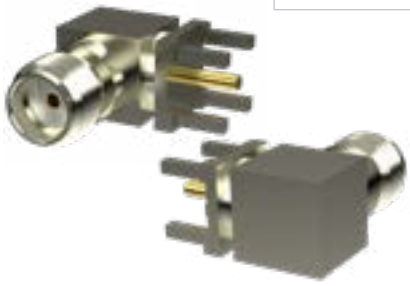
PCB.CSMAFSTJ.A.NI	VSWR	Frequency	Impedance
	≤2	0 - 18GHz	50Ω

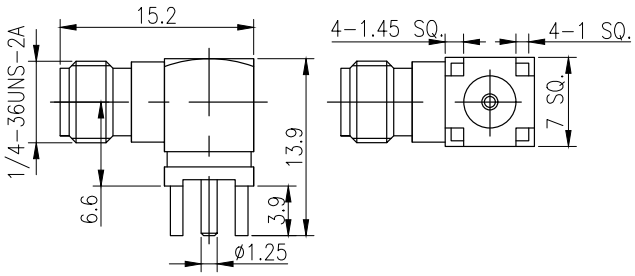


SMA(F)RA for PCB Mount Nickel Plating Through Hole Pin

Part Number

PCB.SMAFRA.NI	VSWR	Frequency	Impedance
	≤2	0 - 18GHz	50Ω



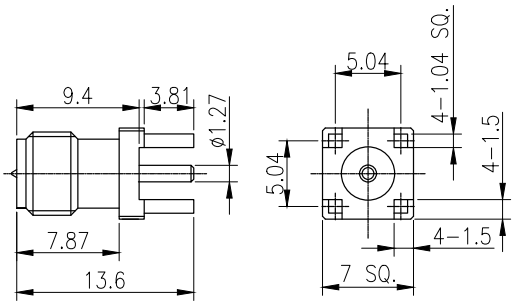


RP-SMA(F)RA for PCB Mount Nickel Plating Through Hole Pin

Part Number

PCB.SMAFRPRA.NI	VSWR	Frequency	Impedance
	≤2	0 - 18GHz	50Ω



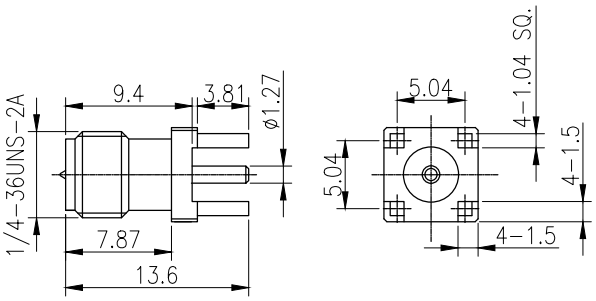


SMA(F)ST RP for PCB Mount Gold Plating

Part Number

PCB.SMAFRPST.HT	VSWR	Frequency	Impedance
	≤2	0 - 18GHz	50Ω



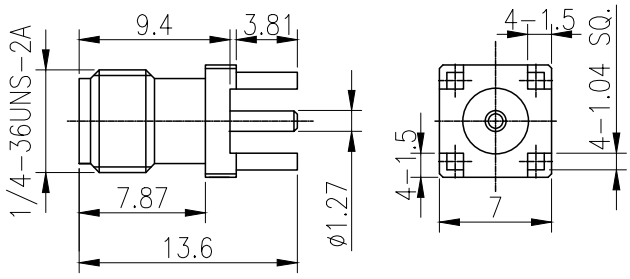


SMA(F)ST for PCB Mount Nickel Plating

Part Number

PCB.SMAFSTJ.NI	VSWR	Frequency	Impedance
	≤2	0 - 18GHz	50Ω



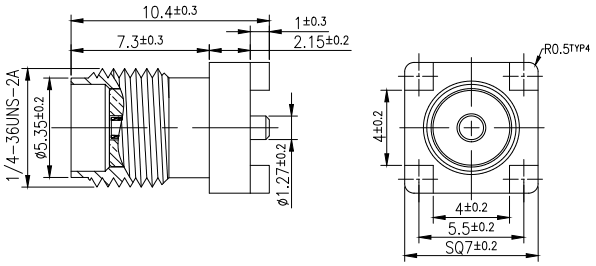


SMA Straight PCB Mount, Jack, Gold, 50Ω, Surface Mount 1MM Leg Length

Part Number

PCB.SMAFSTJ.B.HT	VSWR	Frequency	Impedance
	≤2	0 - 18GHz	50Ω



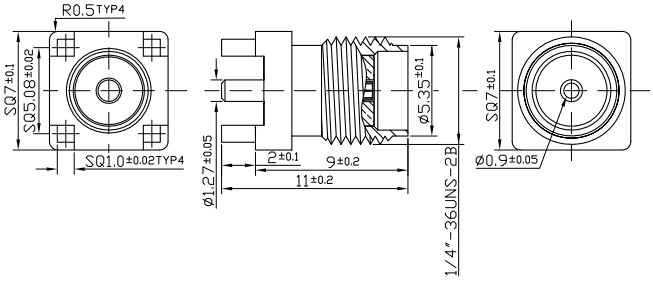


SMA Straight PCB Mount, Jack, Gold, 50Ω, Through Hole Pin

Part Number

PCB.SMAFSTJ.A.HT	VSWR	Frequency	Impedance
	≤2	0 - 18GHz	50Ω



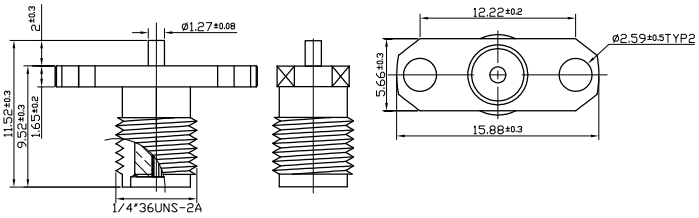


SMA Straight Panel Mount, Jack, Nickel, 50Ω, 2 Mounting Holes, Solder Termination Coaxial

Part Number

PCB.SMAFST.2H.B.HT	VSWR	Frequency	Impedance
	≤2	0 - 18GHz	50Ω



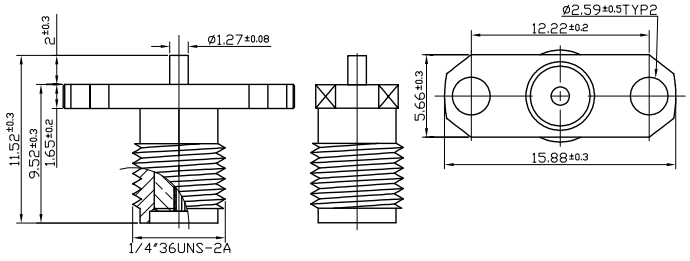


SMA Straight Panel Mount, Jack, Gold, 50Ω, 2 Mounting Holes, Solder Termination Coaxial

Part Number

PCB.SMAFST.2H.A.HT	VSWR	Frequency	Impedance
	≤2	0 - 18GHz	50Ω



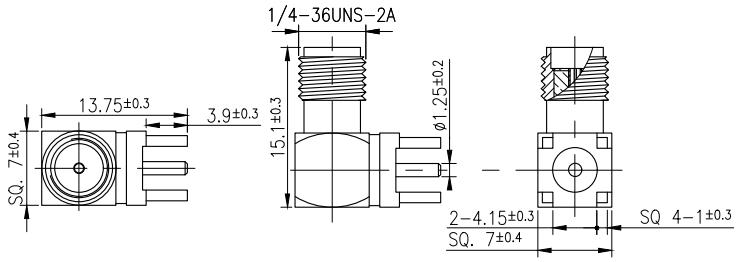


SMA RA PCB Mount, Jack, Gold, 50Ω, Through Hole Pin

Part Number

PCB.SMAFRA.HT	VSWR	Frequency	Impedance
	≤2	0 - 18GHz	50Ω



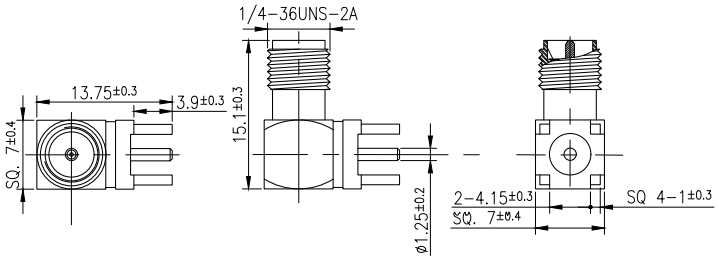


SMA RA Reverse Polarity PCB Mount, Jack, Gold, 50Ω, Through Hole Pin

Part Number

PCB.RPSMAFRA.HT	VSWR	Frequency	Impedance
	≤2	0 - 18GHz	50Ω





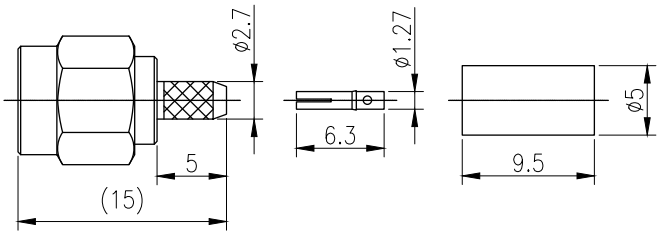
SMA Connectors - Cable Mount

SMA(M)ST RP for RG-176/RG-316 Nickel Plating

Part Number

SMAFRPST.J.DK.HT	VSWR	Frequency	Impedance
	≤1.20	40GHz	50Ω



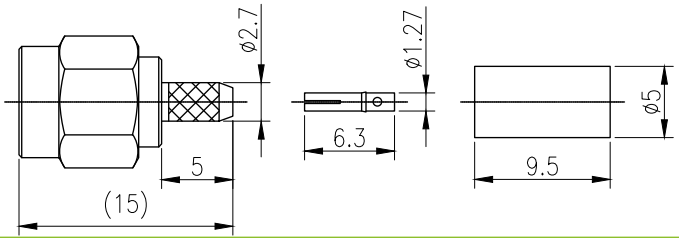


SMA(M)ST RP for RG-58/LMR-195/CFD-200 Nickel Plating

Part Number

SMAFRPST.J.GN.HT	VSWR	Frequency	Impedance
	≤2	0 - 18GHz	50Ω



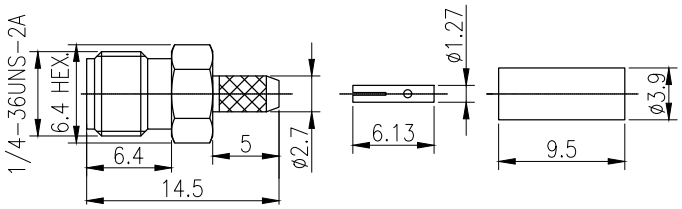


SMA(F)ST for RG-174/RG-316 Gold Plating

Part Number

SMAFST.J.DK.HT	VSWR	Frequency	Impedance
	≤2	0 - 18GHz	50Ω



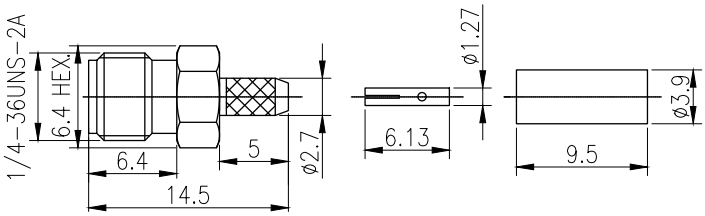


SMA(F)ST for RG--58/TGC-200/CFD-200 Nickel Plating

Part Number

SMAFSTNI.J.G.XX	VSWR	Frequency	Impedance
	≤2	0 - 18GHz	50Ω

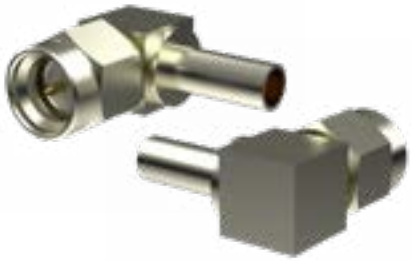


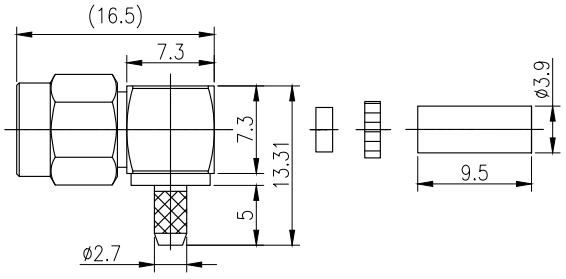


SMA(M)RA for RG-174/RG-316 Nickel Plating

Part Number

SMAMRA.P.DK.HT	VSWR	Frequency	Impedance
	≤2	0 - 18GHz	50Ω

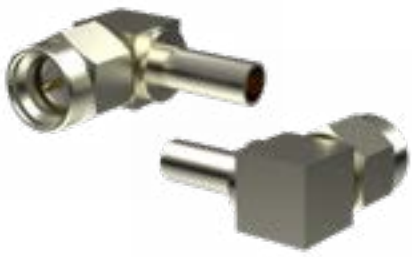


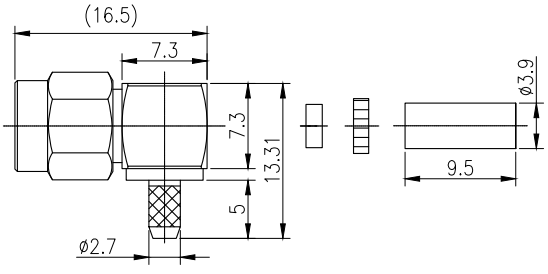


SMA(M)RA for RG-58/CFD-200 Nickel Plating

Part Number

SMAMRA.P.GN.HT	VSWR	Frequency	Impedance
	≤2	0 - 18GHz	50Ω



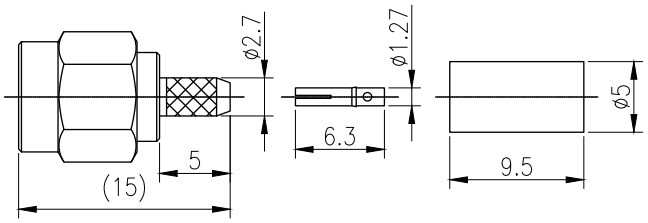


SMA(M)ST RP for RG-174/RG-316 Gold Plating

Part Number

SMAMRPST.P.DK.XX	VSWR	Frequency	Impedance
	≤2	0 - 18GHz	50Ω



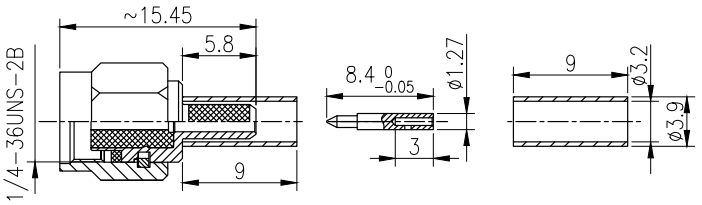


SMA(M)ST for RG-174 Gold Plating

Part Number

SMAMST.P.D.XX	VSWR	Frequency	Impedance
	≤2	0 - 18GHz	50Ω



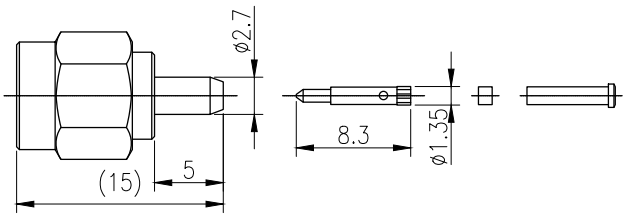


SMA(M)ST for RG-178 Gold Plating

Part Number

SMAMST.P.E.XX	VSWR	Frequency	Impedance
	≤2	0 - 18GHz	50Ω



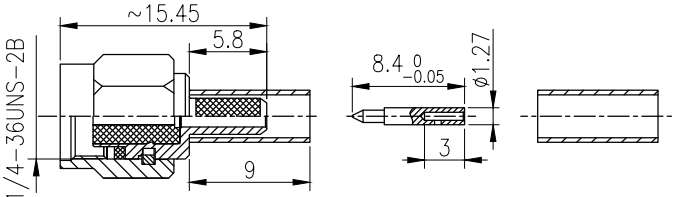


SMA(M)ST for RG-174 Nickel Plating

Part Number

SMAMST.P.NI.D.WY	VSWR	Frequency	Impedance
	≤2	0 - 18GHz	50Ω



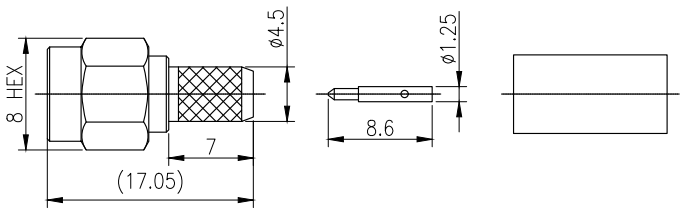


SMA(M)ST for 200 Series cable Nickel Plating

Part Number

SMAMST.P.NI.G.XX	VSWR	Frequency	Impedance
	≤2	0 - 18GHz	50Ω





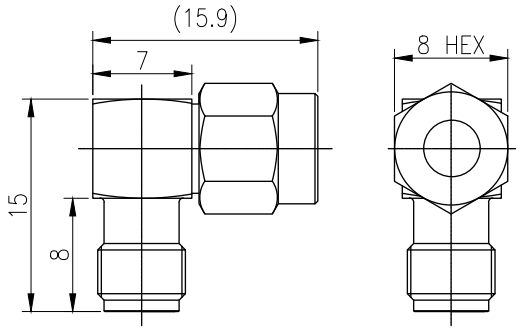
SMA Adapters

SMA(F)ST to SMA(M)RA Adapter

Part Number

SMAFST.SMAMRA.CO	VSWR	Frequency	Impedance
	≤1.20	40GHz	50Ω





3. NMO Connectors

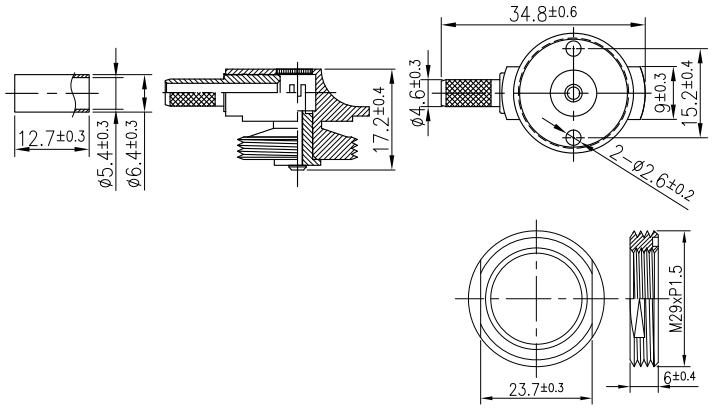
NMO Connectors - Cable Mount

High Performance Direct Mount NMO Connector

Part Number

NMODM.34.N.YN*	VSWR	Frequency	Impedance
	≤2	0 - 6GHz	50Ω





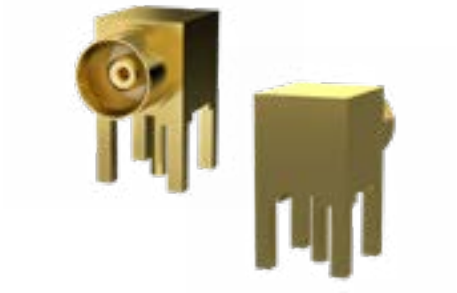
4. MCX Connectors

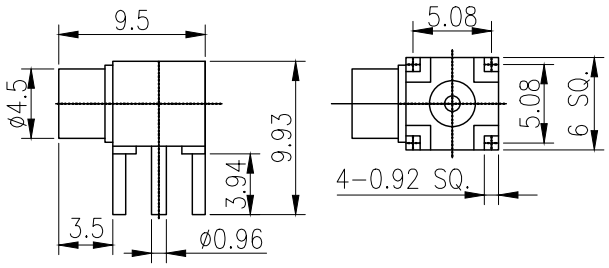
MCX Connectors - PCB Mount

MCX(F)RA for PCB Mount Gold Plating Leg length 4.4mm

Part Number

PCB.MCXFRAJ.A	VSWR	Frequency	Impedance
	≤2	0 - 6GHz	50Ω



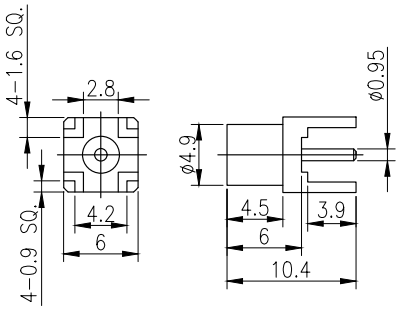


MCX(F)ST for PCB Mount Gold Plating Leg length 3.9mm

Part Number

PCB.MCXFSTJ.A	VSWR	Frequency	Impedance
	≤2	0 - 6GHz	50Ω





5. MMCX Connectors

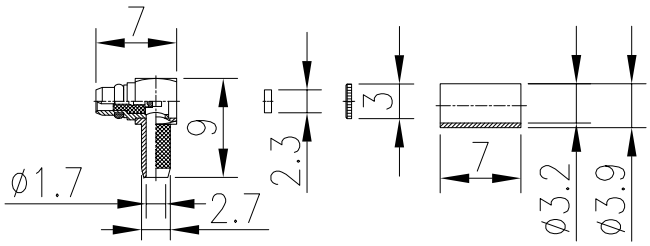
MMCX Connectors - Cable Mount

MMCX(M)RA for RG-174/RG-316 Gold Plating

Part Number

MMCXMRA.P.DK.HT	VSWR	Frequency	Impedance
	≤2	0 - 6GHz	50Ω



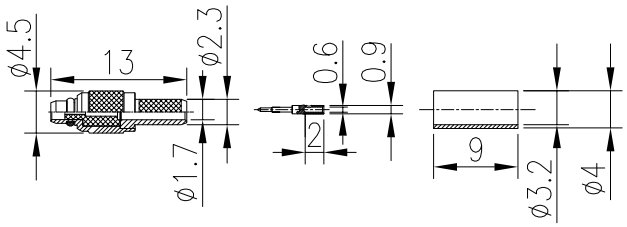


MMCX(M)ST for RG-174/RG-316 Gold Plating

Part Number

MMCXMST.DK.J	VSWR	Frequency	Impedance
	≤2	0 - 6GHz	50Ω





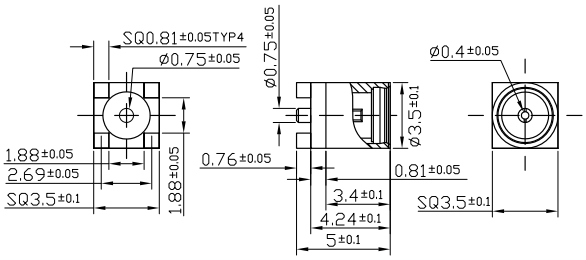
MMCX Connectors - PCB Mount

MMCX Straight PCB Mount, Jack, Gold, 50Ω, Surface Mount

Part Number

PCB.MMCXFSTJ.SMT.HT	VSWR	Frequency	Impedance
	≤2	0 - 6GHz	50Ω



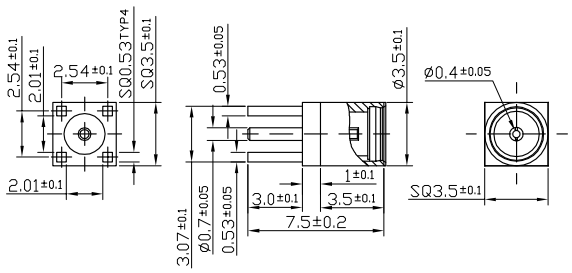


MMCX Straight PCB Mount, Jack, Gold, 50Ω, Through Hole Pin

Part Number

PCB.MMCXFSTJ.HT	VSWR	Frequency	Impedance
	≤2	0 - 6GHz	50Ω



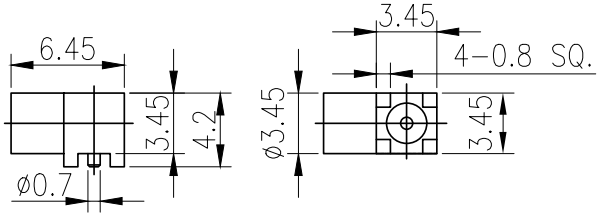


MMCX(F)RA for PCB Mount Gold Plating Leg length 0.7mm

Part Number

PCB.MMCXFRAJ.A	VSWR	Frequency	Impedance
	≤2	0 - 6GHz	50Ω



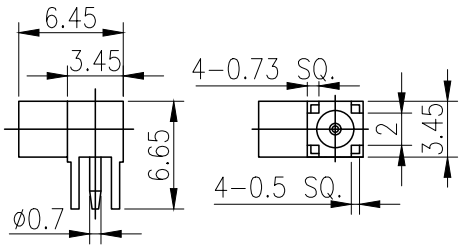


MMCX(F)RA for PCB Mount Gold Plating Total Length 6.9mm

Part Number

PCB.MMCXFRAJ.A.J	VSWR	Frequency	Impedance
	≤2	0 - 6GHz	50Ω



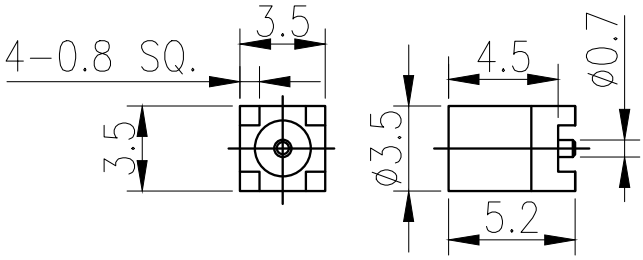


MMCX(F)ST for SMT Gold Plating Short Legs 0.7mm

Part Number

PCB.MMCXFSTJ.C.A	VSWR	Frequency	Impedance
	≤2	0 - 6GHz	50Ω



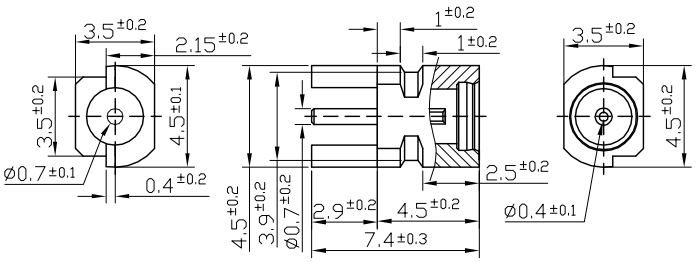


MMCX Straight PCB Edge Mount/End Launch, Jack, Gold, 50Ω, Connector Solder Attachment

Part Number

EMPCB.MMCXFSTJ.A.HT	VSWR	Frequency	Impedance
	≤2	0 - 6GHz	50Ω





6. FAKRA Connectors

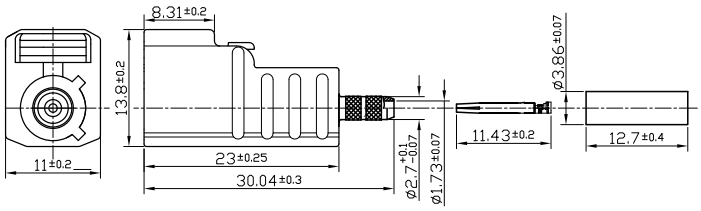
FAKRA Connectors - Cable Mount

FAKRA Generation 3 Code D Claret/Violet Plug Connector for RG--174 & RG--316 Type Cables

Part Number

FK.G3.SMBFST.D.AP	VSWR	Frequency	Impedance
	≤2	0 - 6GHz	50Ω





7. 2.92mm Adaptors & Connectors

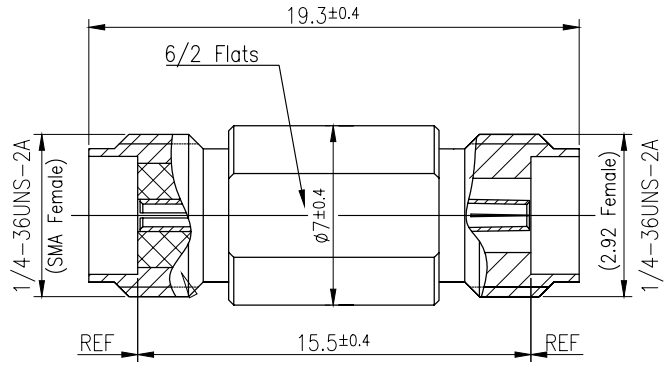
2.92mm 40GHz Rated Adaptors

2.92(F) to SMA(F) mmWave Adaptor

Part Number

292FST.SMAF.N.XS	VSWR	Return Loss	Insertion Loss	Frequency	Impedance
	≤1.15	**> -19.085dB**	**0.32dB**	27GHz	50Ω



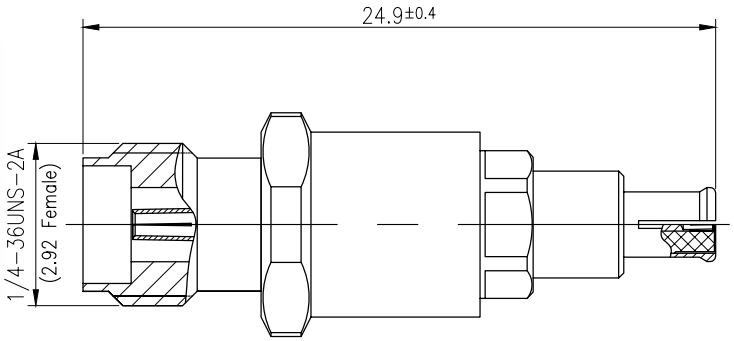


2.92(F) to SMP(F) mmWave Adaptor

Part Number

292FST.SMPF.N.XS	VSWR	Return Loss	Insertion Loss	Frequency	Impedance
	≤1.25	**>-17.692dB**	**0.32dB**	40GHz	50Ω



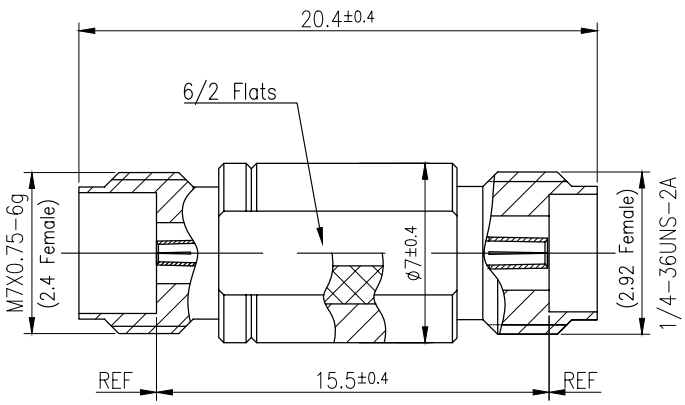


2.92(F) to 2.4(F) mmWave Adaptor

Part Number

292FST.24F.N.XS	VSWR	Return Loss	Insertion Loss	Frequency	Impedance
	≤1.20	**> -20.828dB**	**0.32dB**	40GHz	50Ω



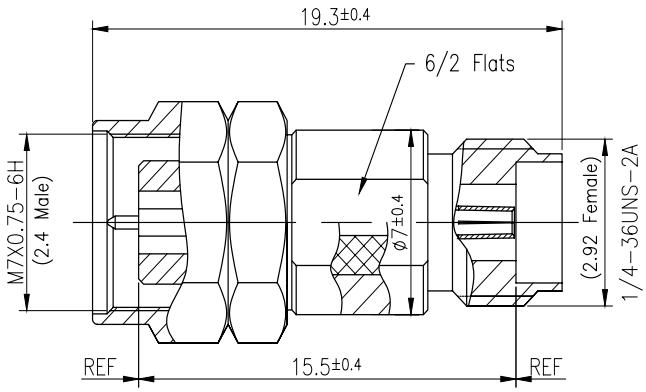


2.92(F) to 2.4(M) mmWave Adaptor

Part Number

292FST.24M.N.XS	VSWR	Return Loss	Insertion Loss	Frequency	Impedance
	≤ 1.20	**> -19.085dB**	**0.32dB**	40GHz	50Ω



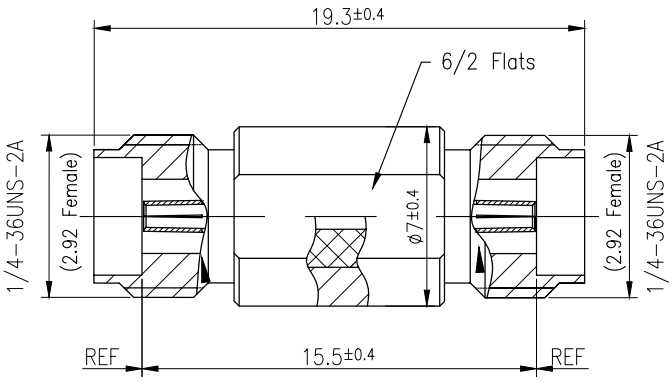


2.92(F) to 2.92(F) mmWave Adaptor

Part Number

292FST.292F.N.XS	VSWR	Return Loss	Insertion Loss	Frequency	Impedance
	≤ 1.20	**> -19.085dB**	**0.32dB**	40GHz	50Ω





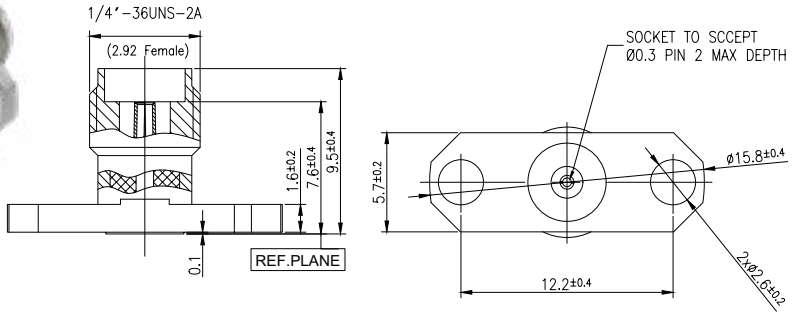
2.92mm 40GHz Connectors - PCB Mount

2.92(F) V Mount 2 Hole Vertical Mount Straight Receptacle (Without Screws)

Part Number

PCB.292FST.2H.XS	VSWR	Return Loss	Insertion Loss	Frequency	Impedance
	≤1.20	**> -17.692dB**	**0.38dB**	40GHz	50Ω



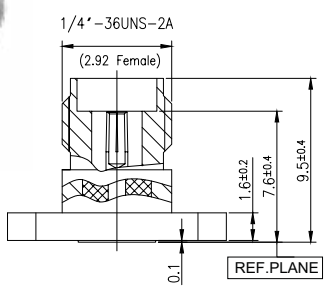


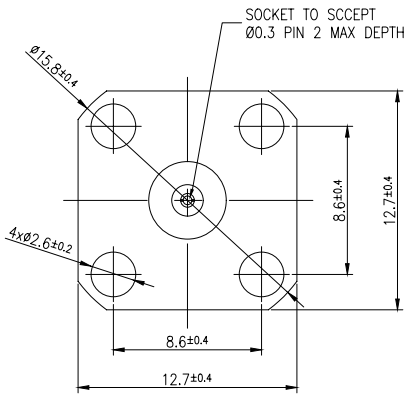
2.92(F) V Mount 4 Hole Vertical Mount Straight Receptacle (Without Screws)

Part Number

PCB.292FST.4H.XS	VSWR	Return Loss	Insertion Loss	Frequency	Impedance
	≤1.20	**> -20.828dB**	**0.38dB**	40GHz	50Ω





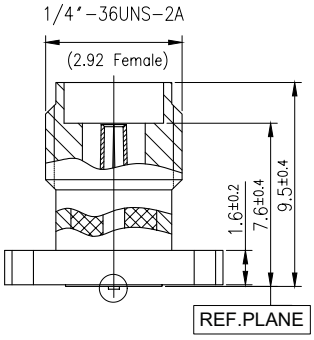


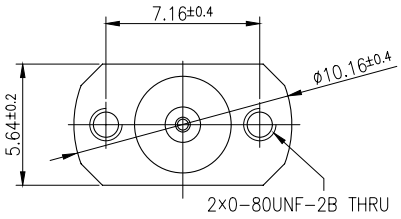
2.92(F) PCB Vertical on board Connector

Part Number

VMPCB.292FST.A.XS	VSWR	Return Loss	Insertion Loss	Frequency	Impedance
	≤1.20	**> -17.692dB**	**0.38dB**	40GHz	50Ω





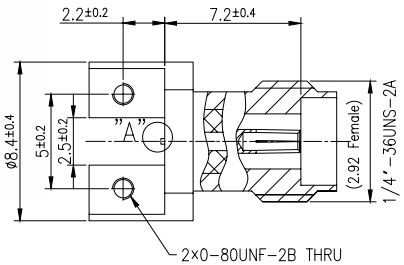


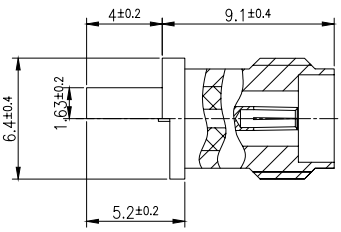
2.92(F) Edge Mount PCB on board Connector

Part Number

EMPCB.292FST.A.XS	VSWR	Return Loss	Insertion Loss	Frequency	Impedance
	≤1.25	**> -15.563dB**	**0.35dB**	40GHz	50Ω







8. Receptacles

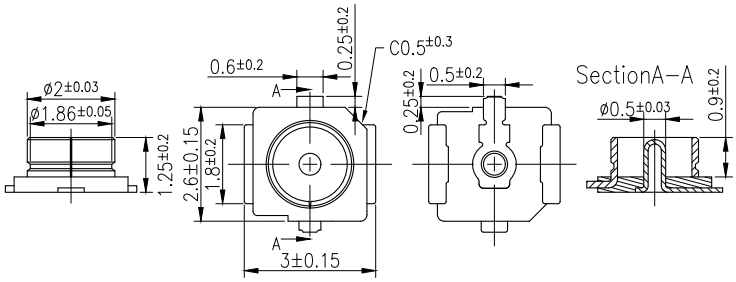
Receptacles

TXR™ 1 SMD U.FL Compatible Receptacle

Part Number

RECE.20279.001E.01	VSWR	Return Loss	Insertion Loss	Frequency	Impedance
	≤1.15	> -19.085dB	>0.5dB	10GHz	50Ω



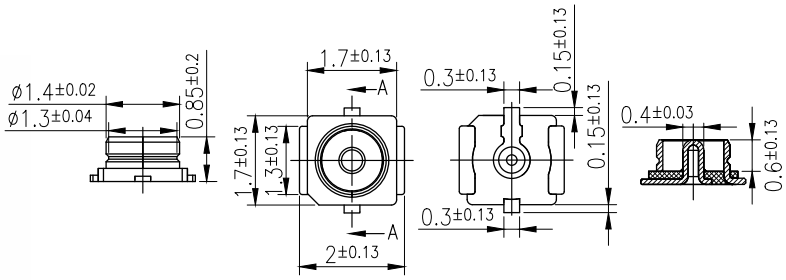


TXR™ 3 SMD W.FL Compatible Receptacle

Part Number

RECE.20369.001E.01	VSWR	Return Loss	Insertion Loss	Frequency	Impedance
	≤1.4	>-17.692dB	>-1dB	6GHz	50Ω



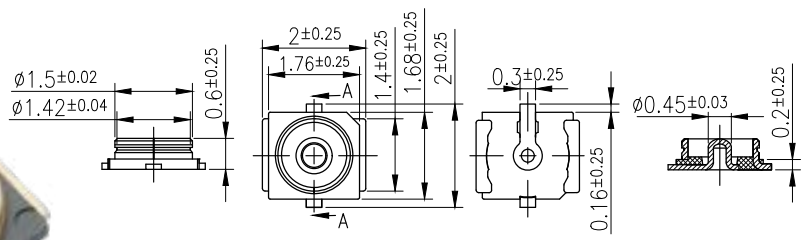


TXR™ 4 Series SMD I-PEX MHF®4 / HSC Compatible Receptacle

Part Number

RECE.20449.001E.01	VSWR	Return Loss	Insertion Loss	Frequency	Impedance
	≤1.4	> -20.828dB	>-1dB	10GHz	50Ω







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