

SELECTION GUIDE

2.4mm
RF Connectors

DC to 50 GHz precision interconnect solutions for panel interfaces, feedthrough transitions, threaded input structures and board-level launch applications.

50 GHz
SERIES CAPABILITY

50 Ω
PRECISION INTERFACE

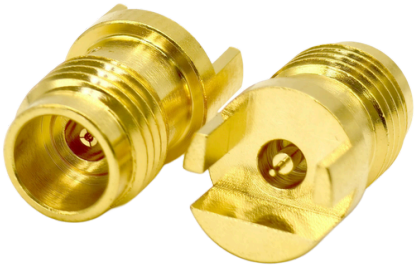
Panel to PCB
APPLICATION RANGE

INTRODUCTION

What Is a 2.4mm Connector?

DEFINITION

A 2.4mm connector is a precision 50 Ω RF interface designed for high-frequency interconnect applications through 50 GHz. It is commonly used where stable interface geometry, controlled transition structures and repeatable RF connection quality are required in panel, enclosure, fixture and PCB-related RF work.



WHY ENGINEERS USE IT

- Supports applications through 50 GHz
- Precision interface for high-frequency RF interconnect paths
- Suitable for panel, enclosure and PCB transition structures
- Useful where controlled mating and dimensional stability matter

TYPICAL APPLICATIONS

- Microwave test and measurement systems
- Precision panel interfaces
- Feedthrough and enclosure transitions
- PCB launch and board-edge transitions
- Engineering fixtures and evaluation platforms

WHY THIS CATALOG

- Organized by structure and transition logic
- Built for first-round family and model filtering
- Intended for drawing-based review after initial selection
- Structured for practical engineering comparison

REFERENCE

Core Electrical & Mechanical Reference

Series-level reference information for first-round evaluation of 2.4mm connector electrical capability, interface characteristics and key mechanical constraints.

ELECTRICAL OVERVIEW

Frequency Range	Up to 50 GHz
Impedance	50 ohms
VSWR	Model dependent; confirm by latest test data
Durability	Model dependent mating-cycle rating
Contact Resistance	Center / outer conductor values are model dependent
Insulation Resistance	Model dependent; confirm by drawing

MECHANICAL OVERVIEW

Interface Type	2.4mm precision RF interface
Styles	Removable flange, feedthrough, threaded input, vertical mount and end launch
Materials	Material set is model dependent; confirm by latest drawing
Mounting Logic	Panel, enclosure, threaded and PCB-related transitions
Temperature Range	According to series specification
Selection Basis	Geometry, mounting pattern and final mating condition

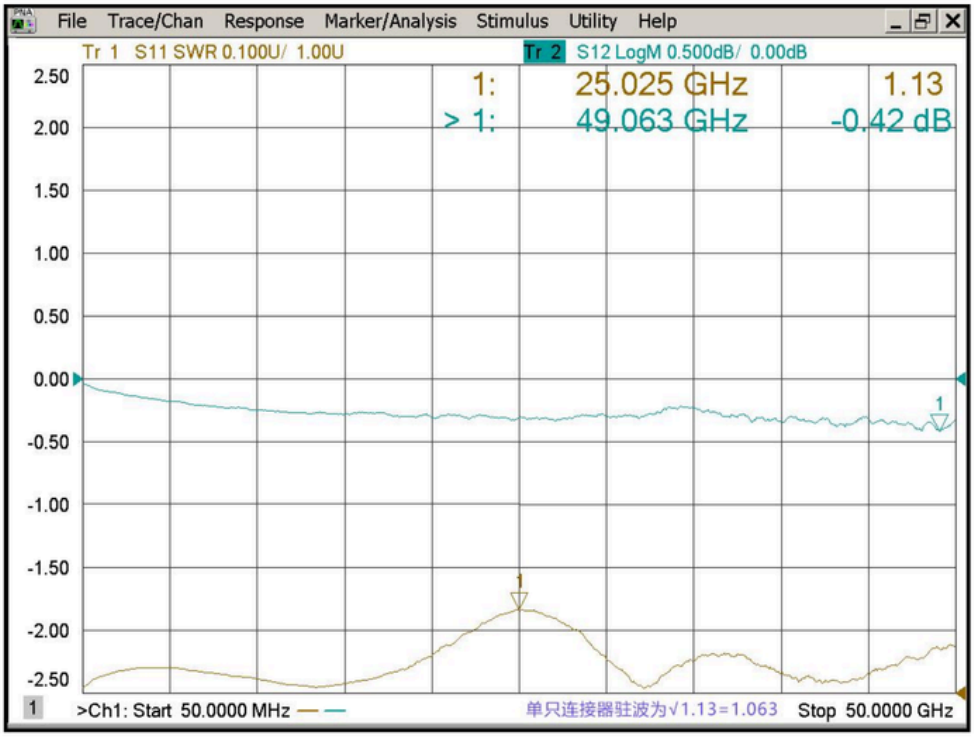
FINAL NOTE

Final RF and mechanical suitability depend on connector structure, mating condition, tolerance control and actual end-use configuration. Confirm against the latest drawing before final approval.

TECHNICAL REFERENCE

Representative Performance Reference

Representative RF test data for first-round evaluation of 2.4mm connector performance through 50 GHz.



ENGINEERING TAKEAWAYS

- Representative performance supports first-round evaluation through 50 GHz
- RF results are sensitive to connector structure, mating condition and installation geometry
- Final-use configuration should be considered before confirming model suitability

TECHNICAL NOTE

Representative data is for selection reference only. Final RF performance depends on structure, mating condition, assembly quality and actual transition geometry.
Representative connector-level reference data through 50 GHz should be reviewed together with the latest verified drawing and actual mating configuration.

PORTFOLIO MAP

Product Family Overview

The 2.4mm portfolio in this catalog is organized by installation and transition structure, covering removable flange-mount, feedthrough, threaded input, vertical mount and end launch formats.

FAMILY 01

Removable Flange-Mount Connectors

For precision panel and fixture interfaces in replaceable flange-mounted formats.

FAMILY 02

Feedthrough Connectors

For through-panel and enclosure RF transitions, including air, dielectric and metal feedthrough structures.

FAMILY 03

Threaded Input Connectors

For compact panel input structures requiring rear-thread retention or threaded installation.

FAMILY 04

Vertical Mount Adapter Connectors

For compact vertical RF transition configurations between interface and mounted geometry.

FAMILY 05

End Launch Connectors

For controlled board-edge and PCB launch transitions.

NEXT STEP

Use the quick selection guide on the next page to move directly into the most relevant family.

SELECTION ENTRY

Quick Selection Guide

Start from the required mounting or transition structure, then confirm the connector family with drawing dimensions.

IF YOU NEED	RECOMMENDED FAMILY	BEST FOR	CHECK FIRST
A replaceable panel or fixture interface	Removable Flange-Mount Connectors	Panel and fixture RF interfaces	Gender, flange pattern, mounting geometry
A through-panel or enclosure RF transition	Feedthrough Connectors	Wall, enclosure and bulkhead transitions	Air / dielectric / metal structure, critical diameters and length
A compact rear-thread input structure	Threaded Input Connectors	Threaded panel input and compact rear retention	Bore or pin dimensions, rear diameter, thread specification
A compact vertical transition structure	Vertical Mount Adapter Connectors	Vertical interface mounting transitions	Mounting pattern, contact geometry, mechanical fit
A board-edge RF launch	End Launch Connectors	PCB and board-edge launch structures	Launch geometry, board interface dimensions, contact profile

METHOD

How to Choose the Right 2.4mm Connector

The correct 2.4mm connector is determined by interface gender, mounting or transition structure, critical dimensions and final mating conditions.

STEP 1

Define the interface gender

Start with male or female based on the mating side of your system.

STEP 2

Define the mounting or transition structure

Confirm whether the connector is used on a panel, feedthrough wall, threaded input structure, vertical transition or board-edge launch.

STEP 3

Define the structural format

Choose the flange pattern, rear-thread format or launch structure that matches the installation logic.

STEP 4

Confirm critical dimensions

Check bore, pin, flange size, rear diameter, feedthrough dimensions, dielectric or metal section dimensions, or launch-related dimensions as required.

STEP 5 — VERIFY FINAL MATING CONDITIONS

Confirm final mating interface, tolerance limits, assembly quality and actual RF transition conditions before final selection.

Before requesting a drawing or quote

- Interface gender
- Structural family
- Key mounting or transition format
- Critical dimensions
- Frequency target
- Final mating condition

Also confirm

- Available installation space
- Panel / enclosure / PCB structure
- Need for 2D drawing or 3D file
- Tolerance sensitivity

DETAILED SELECTION

Removable Flange-Mount Connectors

Removable flange-mount 2.4mm connectors are used where a fixed RF interface is required on a panel or fixture, while still allowing replacement, maintenance and configuration flexibility.

WHY CHOOSE THIS FAMILY

- Suitable for panel and fixture interfaces requiring flange-fixed integration
- Replaceable connector format for maintenance and configuration flexibility
- Available in female and male interface variants
- Applicable to precision front-side RF access structures

4-HOLE FEMALE VS 2-HOLE FEMALE VS MALE

- 4-hole female for broader square flange support
- 2-hole female for narrower installation width
- Male for plug-side mating structures

SELECTION CHECKPOINTS

- Interface gender
- Flange pattern
- Socket bore or pin-related dimensions
- Installation footprint and final mating condition

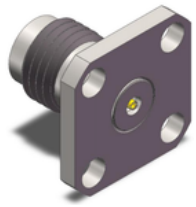
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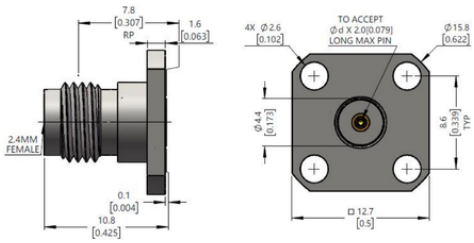
- 4-hole female removable flange models
- 2-hole female removable flange models
- Male removable flange models

REMOVABLE FLANGE-MOUNT

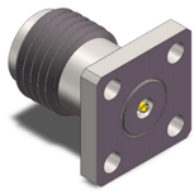
2.4mm 4-Hole Female Removable Flange Connectors

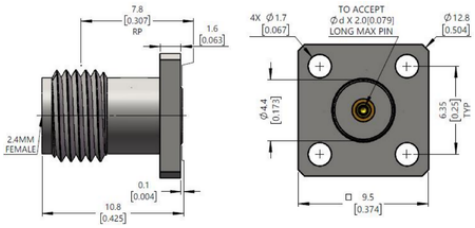
Best for panel and fixture interfaces requiring a female RF connection in square 4-hole flange-mounted formats.



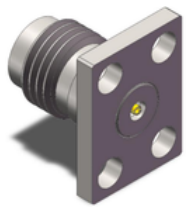


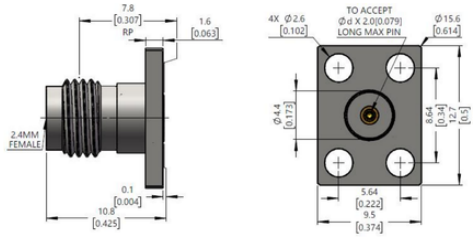
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VST-CPS24F30-F01	0.30 [0.012]
VST-CPS24F38-F01	0.38 [0.015]
VST-CPS24F51-F01	0.51 [0.020]



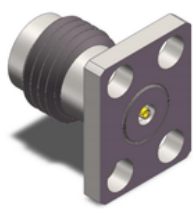


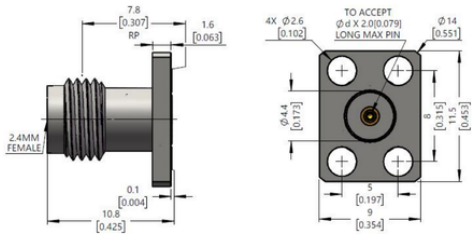
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VST-CPS24F38-F02	0.38 [0.015]
VST-CPS24F51-F02	0.51 [0.020]





PRODUCT MODEL	SOCKET BORE ØD
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VST-CPS24F30-F03	0.30 [0.012]
VST-CPS24F38-F03	0.38 [0.015]
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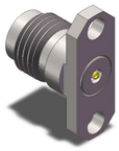


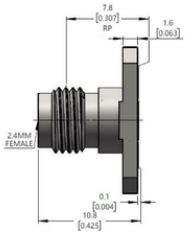
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VST-CPS24F38-F13	0.38 [0.015]
VST-CPS24F51-F13	0.51 [0.020]

REMOVABLE FLANGE-MOUNT

2.4mm 2-Hole Female Removable Flange Connectors

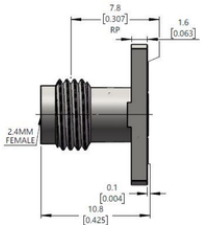
Best for panel and fixture interfaces requiring a female RF connection in narrow 2-hole flange-mounted formats.



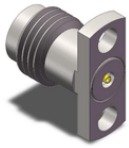


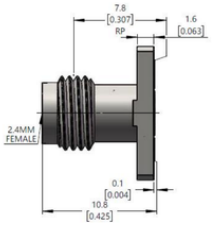
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VST-CPS24F51-F04	0.51 [0.020]



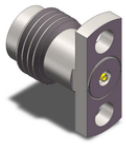


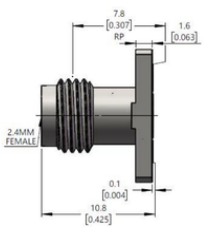
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VST-CPS24F38-F05	0.38 [0.015]
VST-CPS24F51-F05	0.51 [0.020]





PRODUCT MODEL	SOCKET BORE ØD
VST-CPS24F23-F06	0.23 [0.009]
VST-CPS24F30-F06	0.30 [0.012]
VST-CPS24F38-F06	0.38 [0.015]
VST-CPS24F51-F06	0.51 [0.020]



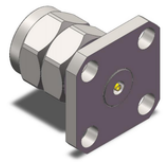
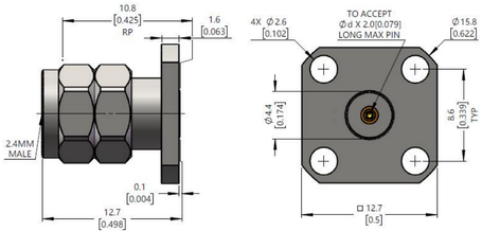


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VST-CPS24F38-F07	0.38 [0.015]
VST-CPS24F51-F07	0.51 [0.020]

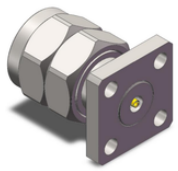
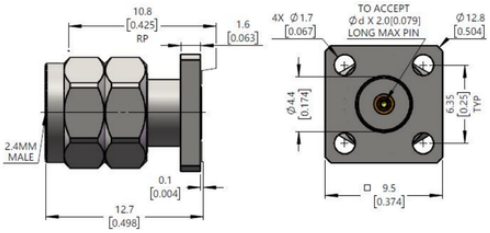
REMOVABLE FLANGE-MOUNT

2.4mm Male Removable Flange Connectors

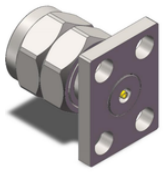
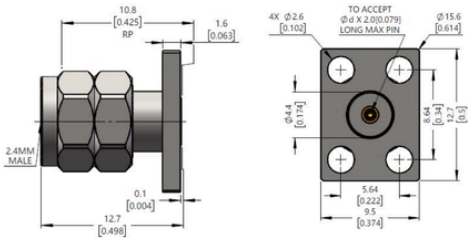
Best for panel and fixture interfaces requiring a male RF connection in replaceable flange-mounted formats.

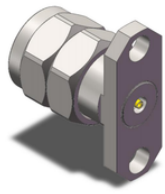
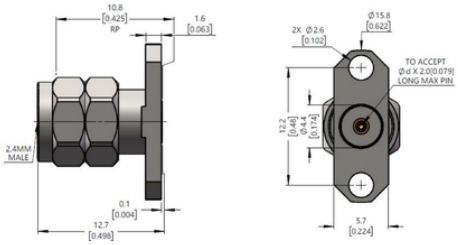
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VST-CPS24M38-F01	0.38 [0.015]
VST-CPS24M51-F01	0.51 [0.020]

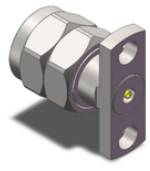
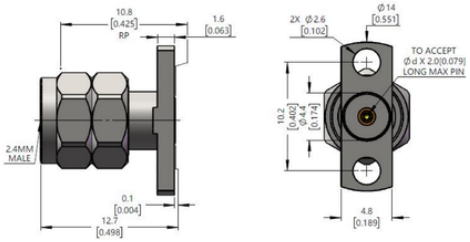
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VST-CPS24M38-F02	0.38 [0.015]
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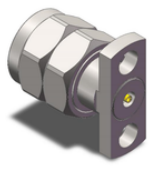
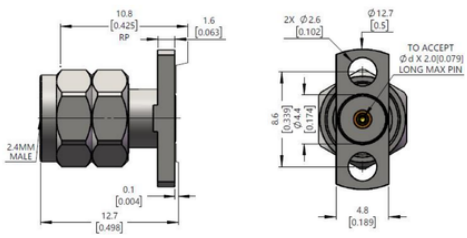
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VST-CPS24M38-F03	0.38 [0.015]
VST-CPS24M51-F03	0.51 [0.020]

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VST-CPS24M38-F04	0.38 [0.015]
VST-CPS24M51-F04	0.51 [0.020]

PRODUCT MODEL	SOCKET BORE ØD
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PRODUCT MODEL	SOCKET BORE ØD
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VST-CPS24M30-F07	0.30 [0.012]
VST-CPS24M38-F07	0.38 [0.015]
VST-CPS24M51-F07	0.51 [0.020]

DETAILED SELECTION

Feedthrough Connectors

2.4mm feedthrough connectors are used where a controlled RF path must pass through a panel or enclosure boundary, with structure options including air, dielectric and metal-supported feedthrough formats.

WHY CHOOSE FEEDTHROUGH CONNECTORS

- For wall, panel and enclosure transitions
- Preserve RF path continuity across a mechanical boundary
- Multiple structural approaches for different dimensional and support requirements

AIR VS DIELECTRIC VS METAL

- Air feedthrough for open air transition geometry
- Dielectric feedthrough for dielectric-supported center-contact geometry
- Metal feedthrough for compact metal-supported transition structures

SELECTION CHECKPOINTS

- Choose the structural type first
- Confirm key diameters and section lengths
- Verify panel thickness or enclosure condition
- Confirm final mating configuration

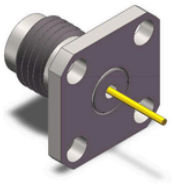
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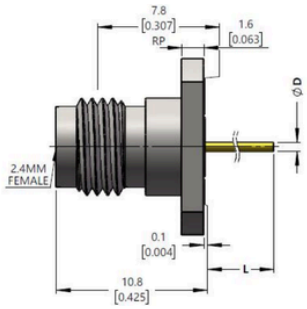
- Air feedthrough connectors
- Dielectric feedthrough connectors
- Metal feedthrough connectors

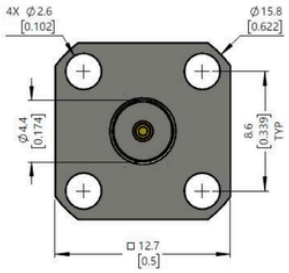
FEEDTHROUGH

2.4mm Female Air Feedthrough Connectors

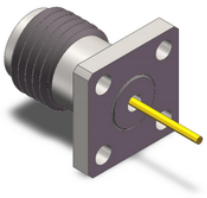
Best for wall, enclosure and bulkhead RF transitions requiring a controlled through-panel signal path.

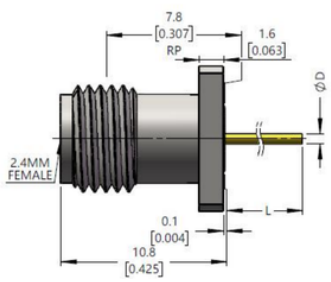


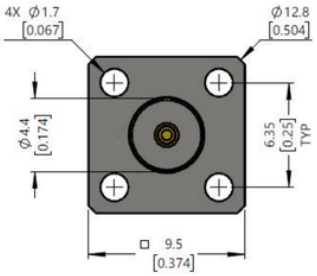




NO.	PRODUCT MODEL	ØD	LENGTH (L)	NO.	PRODUCT MODEL	ØD	LENGTH (L)
1	VST-CPD24F12-F01-276	0.30 [0.012]	7 [0.276]	6	VST-CPD24F39-F01-216	1.00 [0.039]	5.5 [0.216]
2	VST-CPD24F25-F01-269	0.64 [0.025]	6.83 [0.269]	7	VST-CPD24F41-F01-250	1.04 [0.041]	6.34 [0.250]
3	VST-CPD24F25-F01-394	0.64 [0.025]	10 [0.394]	8	VST-CPD24F41-F01-314	1.04 [0.041]	8 [0.314]
4	VST-CPD24F29-F01-354	0.75 [0.029]	9 [0.354]	9	VST-CPD24F47-F01-118	1.20 [0.047]	3 [0.118]
5	VST-CPD24F34-F01-344	0.86 [0.034]	8.75 [0.344]				





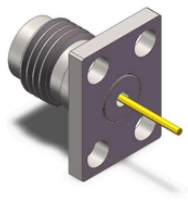


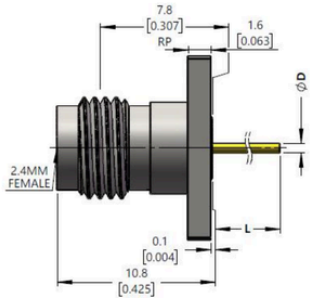
NO.	PRODUCT MODEL	ØD	LENGTH (L)	NO.	PRODUCT MODEL	ØD	LENGTH (L)
1	VST-CPD24F12-F02-276	0.30 [0.012]	7 [0.276]	6	VST-CPD24F39-F02-216	1.00 [0.039]	5.5 [0.216]
2	VST-CPD24F25-F02-269	0.64 [0.025]	6.83 [0.269]	7	VST-CPD24F41-F02-250	1.04 [0.041]	6.34 [0.250]
3	VST-CPD24F25-F02-394	0.64 [0.025]	10 [0.394]	8	VST-CPD24F41-F02-314	1.04 [0.041]	8 [0.314]
4	VST-CPD24F29-F02-354	0.75 [0.029]	9 [0.354]	9	VST-CPD24F47-F02-118	1.20 [0.047]	3 [0.118]
5	VST-CPD24F34-F02-344	0.86 [0.034]	8.75 [0.344]				

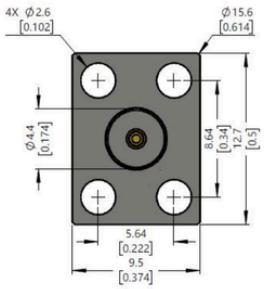
FEEDTHROUGH

2.4mm Female Air Feedthrough Connectors

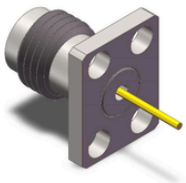
Best for wall, enclosure and bulkhead RF transitions requiring a controlled through-panel signal path.

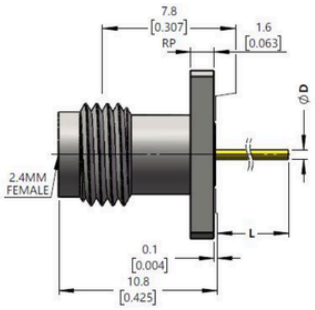


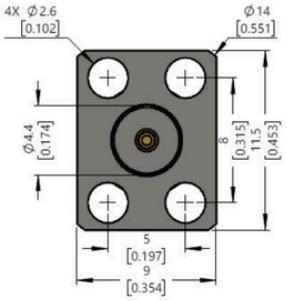




NO.	PRODUCT MODEL	ØD	LENGTH (L)	NO.	PRODUCT MODEL	ØD	LENGTH (L)
1	VST-CPD24F12-F03-276	0.30 [0.012]	7 [0.276]	6	VST-CPD24F39-F03-216	1.00 [0.039]	5.5 [0.216]
2	VST-CPD24F25-F03-269	0.64 [0.025]	6.83 [0.269]	7	VST-CPD24F41-F03-250	1.04 [0.041]	6.34 [0.250]
3	VST-CPD24F25-F03-394	0.64 [0.025]	10 [0.394]	8	VST-CPD24F41-F03-314	1.04 [0.041]	8 [0.314]
4	VST-CPD24F29-F03-354	0.75 [0.029]	9 [0.354]	9	VST-CPD24F47-F03-118	1.20 [0.047]	3 [0.118]
5	VST-CPD24F34-F03-344	0.86 [0.034]	8.75 [0.344]				





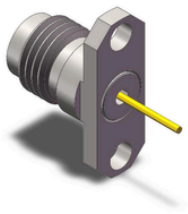


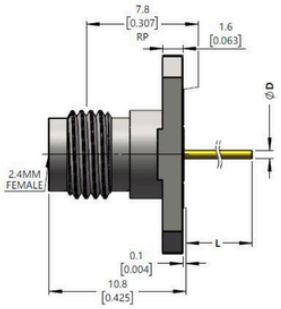
NO.	PRODUCT MODEL	ØD	LENGTH (L)	NO.	PRODUCT MODEL	ØD	LENGTH (L)
1	VST-CPD24F12-F13-276	0.30 [0.012]	7 [0.276]	6	VST-CPD24F39-F13-216	1.00 [0.039]	5.5 [0.216]
2	VST-CPD24F25-F13-269	0.64 [0.025]	6.83 [0.269]	7	VST-CPD24F41-F13-250	1.04 [0.041]	6.34 [0.250]
3	VST-CPD24F25-F13-394	0.64 [0.025]	10 [0.394]	8	VST-CPD24F41-F13-314	1.04 [0.041]	8 [0.314]
4	VST-CPD24F29-F13-354	0.75 [0.029]	9 [0.354]	9	VST-CPD24F47-F13-118	1.20 [0.047]	3 [0.118]
5	VST-CPD24F34-F13-344	0.86 [0.034]	8.75 [0.344]				

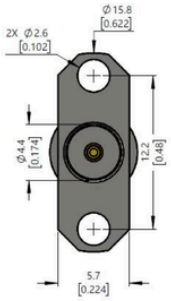
FEEDTHROUGH

2.4mm Female Air Feedthrough Connectors

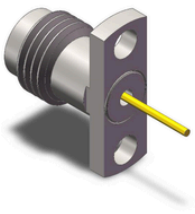
Best for wall, enclosure and bulkhead RF transitions requiring a controlled through-panel signal path.

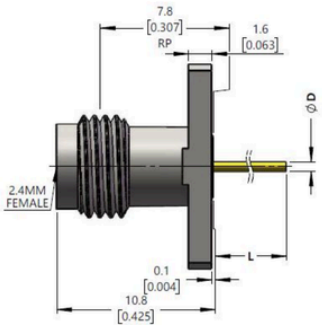


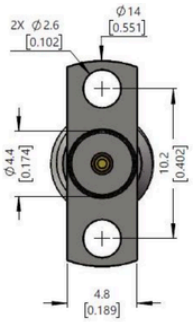




NO.	PRODUCT MODEL	ØD	LENGTH (L)	NO.	PRODUCT MODEL	ØD	LENGTH (L)
1	VST-CPD24F12-F04-276	0.30 [0.012]	7 [0.276]	6	VST-CPD24F39-F04-216	1.00 [0.039]	5.5 [0.216]
2	VST-CPD24F25-F04-269	0.64 [0.025]	6.83 [0.269]	7	VST-CPD24F41-F04-250	1.04 [0.041]	6.34 [0.250]
3	VST-CPD24F25-F04-394	0.64 [0.025]	10 [0.394]	8	VST-CPD24F41-F04-314	1.04 [0.041]	8 [0.314]
4	VST-CPD24F29-F04-354	0.75 [0.029]	9 [0.354]	9	VST-CPD24F47-F04-118	1.20 [0.047]	3 [0.118]
5	VST-CPD24F34-F04-344	0.86 [0.034]	8.75 [0.344]				





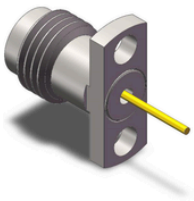


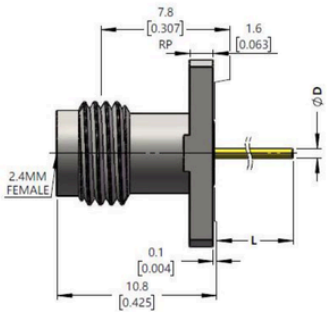
NO.	PRODUCT MODEL	ØD	LENGTH (L)	NO.	PRODUCT MODEL	ØD	LENGTH (L)
1	VST-CPD24F12-F05-276	0.30 [0.012]	7 [0.276]	6	VST-CPD24F39-F05-216	1.00 [0.039]	5.5 [0.216]
2	VST-CPD24F25-F05-269	0.64 [0.025]	6.83 [0.269]	7	VST-CPD24F41-F05-250	1.04 [0.041]	6.34 [0.250]
3	VST-CPD24F25-F05-394	0.64 [0.025]	10 [0.394]	8	VST-CPD24F41-F05-314	1.04 [0.041]	8 [0.314]
4	VST-CPD24F29-F05-354	0.75 [0.029]	9 [0.354]	9	VST-CPD24F47-F05-118	1.20 [0.047]	3 [0.118]
5	VST-CPD24F34-F05-344	0.86 [0.034]	8.75 [0.344]				

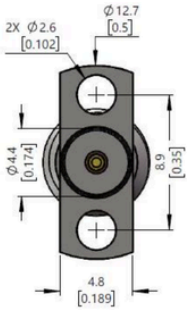
FEEDTHROUGH

2.4mm Female Air Feedthrough Connectors

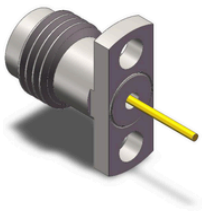
Best for wall, enclosure and bulkhead RF transitions requiring a controlled through-panel signal path.

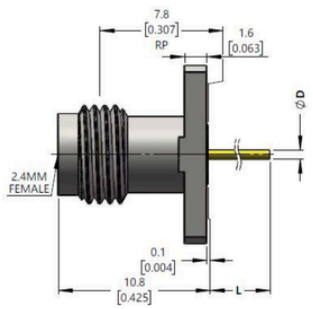


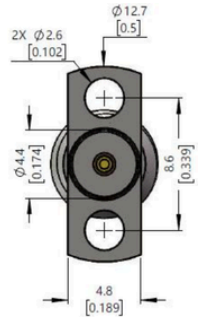




NO.	PRODUCT MODEL	ØD	LENGTH (L)	NO.	PRODUCT MODEL	ØD	LENGTH (L)
1	VST-CPD24F12-F06-276	0.30 [0.012]	7 [0.276]	6	VST-CPD24F39-F06-216	1.00 [0.039]	5.5 [0.216]
2	VST-CPD24F25-F06-269	0.64 [0.025]	6.83 [0.269]	7	VST-CPD24F41-F06-250	1.04 [0.041]	6.34 [0.250]
3	VST-CPD24F25-F06-394	0.64 [0.025]	10 [0.394]	8	VST-CPD24F41-F06-314	1.04 [0.041]	8 [0.314]
4	VST-CPD24F29-F06-354	0.75 [0.029]	9 [0.354]	9	VST-CPD24F47-F06-118	1.20 [0.047]	3 [0.118]
5	VST-CPD24F34-F06-344	0.86 [0.034]	8.75 [0.344]				





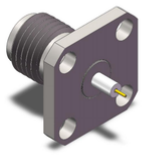


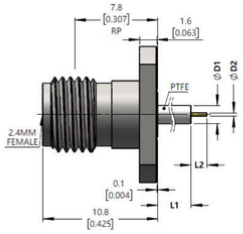
NO.	PRODUCT MODEL	ØD	LENGTH (L)	NO.	PRODUCT MODEL	ØD	LENGTH (L)
1	VST-CPD24F12-F07-276	0.30 [0.012]	7 [0.276]	6	VST-CPD24F39-F07-216	1.00 [0.039]	5.5 [0.216]
2	VST-CPD24F25-F07-269	0.64 [0.025]	6.83 [0.269]	7	VST-CPD24F41-F07-250	1.04 [0.041]	6.34 [0.250]
3	VST-CPD24F25-F07-394	0.64 [0.025]	10 [0.394]	8	VST-CPD24F41-F07-314	1.04 [0.041]	8 [0.314]
4	VST-CPD24F29-F07-354	0.75 [0.029]	9 [0.354]	9	VST-CPD24F47-F07-118	1.20 [0.047]	3 [0.118]
5	VST-CPD24F34-F07-344	0.86 [0.034]	8.75 [0.344]				

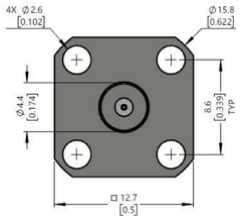
FEEDTHROUGH

2.4mm Female Dielectric Feedthrough Connectors

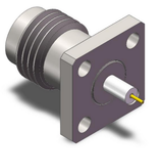
Best for panel transitions requiring dielectric-supported center-contact geometry and controlled feedthrough dimensions.

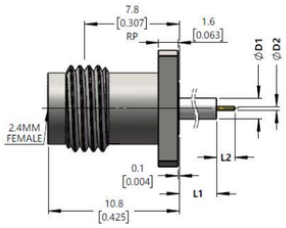


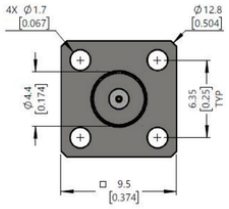




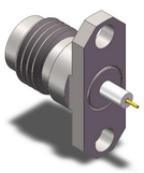
NO.	PRODUCT MODEL	DIELECTRIC DIAMETER (ØD1)	PIN DIAMETER (ØD2)	DIELECTRIC LENGTH (L1)	PIN LENGTH (L2)
1	VST-CPP24F0403-F01	1.67 [0.066]	0.30 [0.012]	1.4 [0.055]	1.5 [0.059]
2	VST-CPP24F0503-F01	1.67 [0.066]	0.30 [0.012]	3 [0.118]	1.5 [0.059]
3	VST-CPP24F0605-F01	2.00 [0.079]	0.60 [0.024]	6.35 [0.250]	1.27 [0.050]
4	VST-CPP24F1221-F01	2.00 [0.079]	0.60 [0.024]	5.1 [0.200]	1.9 [0.075]
5	VST-CPP24F3534-F01	2.00 [0.079]	0.60 [0.024]	3.5 [0.138]	3.4 [0.134]
6	VST-CPP24F4029-F01	2.00 [0.079]	0.60 [0.024]	4 [0.157]	2.9 [0.114]

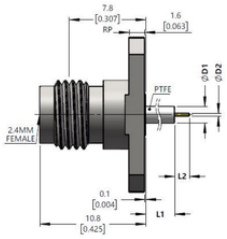


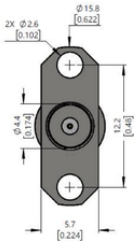




NO.	PRODUCT MODEL	DIELECTRIC DIAMETER (ØD1)	PIN DIAMETER (ØD2)	DIELECTRIC LENGTH (L1)	PIN LENGTH (L2)
1	VST-CPP24F0403-F02	1.67 [0.066]	0.30 [0.012]	1.4 [0.055]	1.5 [0.059]
2	VST-CPP24F0503-F02	1.67 [0.066]	0.30 [0.012]	3 [0.118]	1.5 [0.059]
3	VST-CPP24F0605-F02	2.00 [0.079]	0.60 [0.024]	6.35 [0.250]	1.27 [0.050]
4	VST-CPP24F1221-F02	2.00 [0.079]	0.60 [0.024]	5.1 [0.200]	1.9 [0.075]
5	VST-CPP24F3534-F02	2.00 [0.079]	0.60 [0.024]	3.5 [0.138]	3.4 [0.134]
6	VST-CPP24F4029-F02	2.00 [0.079]	0.60 [0.024]	4 [0.157]	2.9 [0.114]





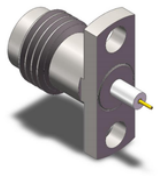


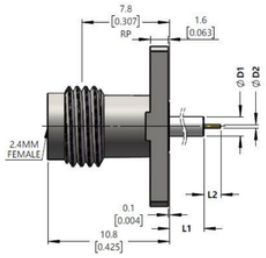
NO.	PRODUCT MODEL	DIELECTRIC DIAMETER (ØD1)	PIN DIAMETER (ØD2)	DIELECTRIC LENGTH (L1)	PIN LENGTH (L2)
1	VST-CPP24F0403-F04	1.67 [0.066]	0.30 [0.012]	1.4 [0.055]	1.5 [0.059]
2	VST-CPP24F0503-F04	1.67 [0.066]	0.30 [0.012]	3 [0.118]	1.5 [0.059]
3	VST-CPP24F0605-F04	2.00 [0.079]	0.60 [0.024]	6.35 [0.250]	1.27 [0.050]
4	VST-CPP24F1221-F04	2.00 [0.079]	0.60 [0.024]	5.1 [0.200]	1.9 [0.075]
5	VST-CPP24F3534-F04	2.00 [0.079]	0.60 [0.024]	3.5 [0.138]	3.4 [0.134]
6	VST-CPP24F4029-F04	2.00 [0.079]	0.60 [0.024]	4 [0.157]	2.9 [0.114]

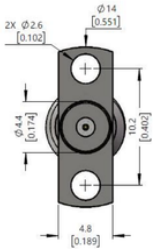
FEEDTHROUGH

2.4mm Female Dielectric Feedthrough Connectors

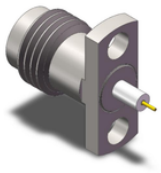
Best for panel transitions requiring dielectric-supported center-contact geometry and controlled feedthrough dimensions.

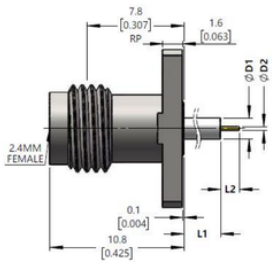


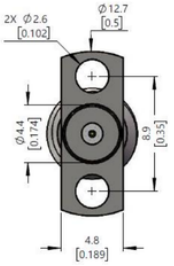




NO.	PRODUCT MODEL	DIELECTRIC DIAMETER (ØD1)	PIN DIAMETER (ØD2)	DIELECTRIC LENGTH (L1)	PIN LENGTH (L2)
1	VST-CPP24F0403-F05	1.67 [0.066]	0.30 [0.012]	1.4 [0.055]	1.5 [0.059]
2	VST-CPP24F0503-F05	1.67 [0.066]	0.30 [0.012]	3 [0.118]	1.5 [0.059]
3	VST-CPP24F0605-F05	2.00 [0.079]	0.60 [0.024]	6.35 [0.250]	1.27 [0.050]
4	VST-CPP24F1221-F05	2.00 [0.079]	0.60 [0.024]	5.1 [0.200]	1.9 [0.075]
5	VST-CPP24F3534-F05	2.00 [0.079]	0.60 [0.024]	3.5 [0.138]	3.4 [0.134]
6	VST-CPP24F4029-F05	2.00 [0.079]	0.60 [0.024]	4 [0.157]	2.9 [0.114]





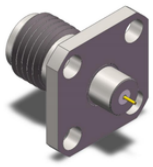


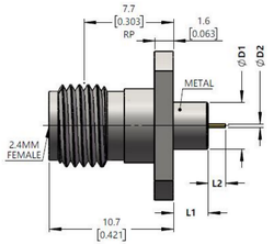
NO.	PRODUCT MODEL	DIELECTRIC DIAMETER (ØD1)	PIN DIAMETER (ØD2)	DIELECTRIC LENGTH (L1)	PIN LENGTH (L2)
1	VST-CPP24F0403-F06	1.67 [0.066]	0.30 [0.012]	1.4 [0.055]	1.5 [0.059]
2	VST-CPP24F0503-F06	1.67 [0.066]	0.30 [0.012]	3 [0.118]	1.5 [0.059]
3	VST-CPP24F0605-F06	2.00 [0.079]	0.60 [0.024]	6.35 [0.250]	1.27 [0.050]
4	VST-CPP24F1221-F06	2.00 [0.079]	0.60 [0.024]	5.1 [0.200]	1.9 [0.075]
5	VST-CPP24F3534-F06	2.00 [0.079]	0.60 [0.024]	3.5 [0.138]	3.4 [0.134]
6	VST-CPP24F4029-F06	2.00 [0.079]	0.60 [0.024]	4 [0.157]	2.9 [0.114]

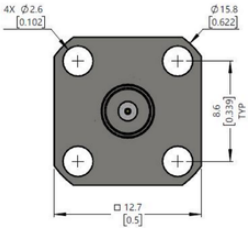
FEEDTHROUGH

2.4mm Female Metal Feedthrough Connectors

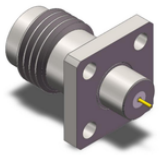
Best for panel transitions requiring metal-supported center-contact structures and compact feedthrough geometry.

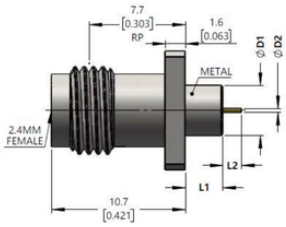


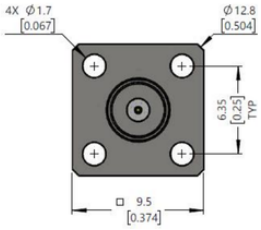




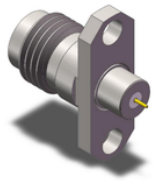
NO.	PRODUCT MODEL	METAL DIAMETER (ØD1)	PIN DIAMETER (ØD2)	METAL LENGTH (L1)	PIN LENGTH (L2)
1	VST-CPM24F0403-F01	4 [0.157]	0.30 [0.012]	1.4 [0.055]	1.5 [0.059]
2	VST-CPM24F0503-F01	4 [0.157]	0.30 [0.012]	3 [0.118]	1.5 [0.059]
3	VST-CPM24F0223-F01	4 [0.157]	0.23 [0.009]	3 [0.118]	0.6 [0.023]

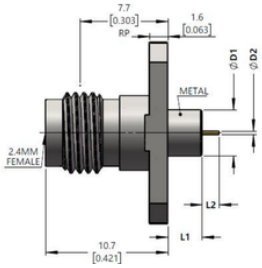


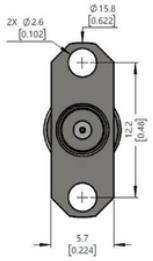




NO.	PRODUCT MODEL	METAL DIAMETER (ØD1)	PIN DIAMETER (ØD2)	METAL LENGTH (L1)	PIN LENGTH (L2)
1	VST-CPM24F0403-F02	4 [0.157]	0.30 [0.012]	1.4 [0.055]	1.5 [0.059]
2	VST-CPM24F0503-F02	4 [0.157]	0.30 [0.012]	3 [0.118]	1.5 [0.059]
3	VST-CPM24F0223-F02	4 [0.157]	0.23 [0.009]	3 [0.118]	0.6 [0.024]





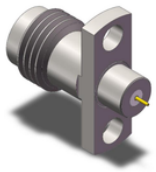


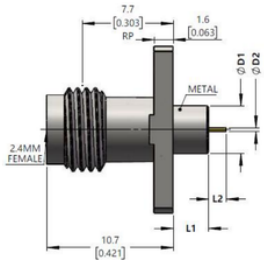
NO.	PRODUCT MODEL	METAL DIAMETER (ØD1)	PIN DIAMETER (ØD2)	METAL LENGTH (L1)	PIN LENGTH (L2)
1	VST-CPM24F0403-F04	4 [0.157]	0.30 [0.012]	1.4 [0.055]	1.5 [0.059]
2	VST-CPM24F0503-F04	4 [0.157]	0.30 [0.012]	3 [0.118]	1.5 [0.059]
3	VST-CPM24F0223-F04	4 [0.157]	0.23 [0.009]	3 [0.118]	0.6 [0.024]

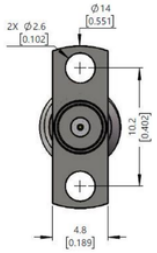
FEEDTHROUGH

2.4mm Female Metal Feedthrough Connectors

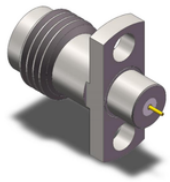
Best for panel transitions requiring metal-supported center-contact structures and compact feedthrough geometry.

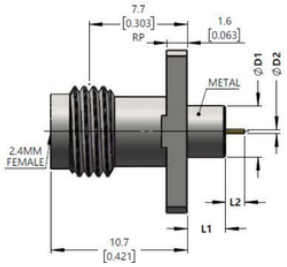


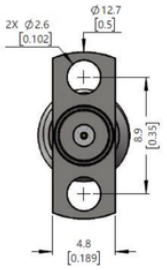




NO.	PRODUCT MODEL	METAL DIAMETER (ØD1)	PIN DIAMETER (ØD2)	METAL LENGTH (L1)	PIN LENGTH (L2)
1	VST-CPM24F0403-F05	4 [0.157]	0.30 [0.012]	1.4 [0.055]	1.5 [0.059]
2	VST-CPM24F0503-F05	4 [0.157]	0.30 [0.012]	3 [0.118]	1.5 [0.059]
3	VST-CPM24F0223-F05	4 [0.157]	0.23 [0.009]	3 [0.118]	0.6 [0.024]





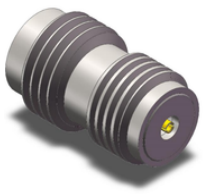


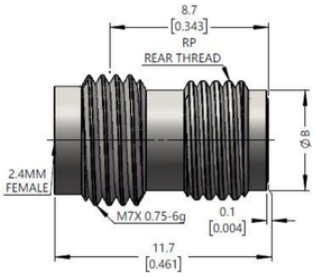
NO.	PRODUCT MODEL	METAL DIAMETER (ØD1)	PIN DIAMETER (ØD2)	METAL LENGTH (L1)	PIN LENGTH (L2)
1	VST-CPM24F0403-F06	4 [0.157]	0.30 [0.012]	1.4 [0.055]	1.5 [0.059]
2	VST-CPM24F0503-F06	4 [0.157]	0.30 [0.012]	3 [0.118]	1.5 [0.059]
3	VST-CPM24F0223-F06	4 [0.157]	0.23 [0.009]	3 [0.118]	0.6 [0.024]

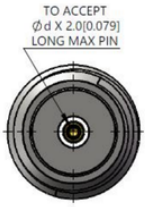
THREADED INPUT

2.4mm Threaded Input Connectors

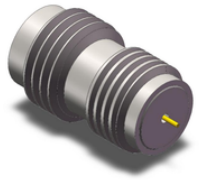
Best for compact panel input structures requiring rear-thread retention or threaded installation.

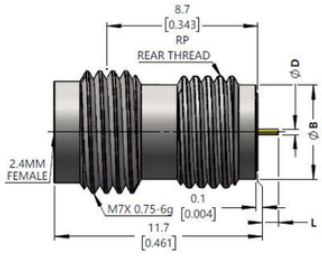






NO.	PRODUCT MODEL	SOCKET BORE ØD	REAR DIAMETER ØB	REAR THREAD SPECIFICATION
1	VST-CPS24F23-Y01	0.23 [0.009]	5.4 [0.213]	1/4-36UNS-2A
2	VST-CPS24F30-Y01	0.30 [0.012]	5.4 [0.213]	1/4-36UNS-2A
3	VST-CPS24F51-Y01	0.51 [0.020]	5.4 [0.213]	1/4-36UNS-2A
4	VST-CPS24F23-Y02	0.23 [0.009]	4.8 [0.190]	M6X0.75-6g
5	VST-CPS24F30-Y02	0.30 [0.012]	4.8 [0.190]	M6X0.75-6g
6	VST-CPS24F51-Y02	0.51 [0.020]	4.8 [0.190]	M6X0.75-6g







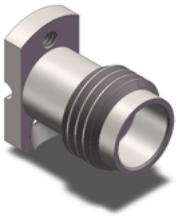
NO.	PRODUCT MODEL	PIN DIAMETER ØD	PIN LENGTH (L)	REAR DIAMETER ØB	REAR THREAD SPECIFICATION
1	VST-CPD24F12-Y01-047	0.30 [0.012]	1.2 [0.047]	5.4 [0.213]	1/4-36UNS-2A
2	VST-CPD24F12-Y01-080	0.30 [0.012]	2.0 [0.079]	5.4 [0.213]	1/4-36UNS-2A
3	VST-CPD24F12-Y02-047	0.30 [0.012]	1.2 [0.047]	4.8 [0.190]	M6X0.75-6g
4	VST-CPD24F12-Y02-080	0.30 [0.012]	2.0 [0.079]	4.8 [0.190]	M6X0.75-6g

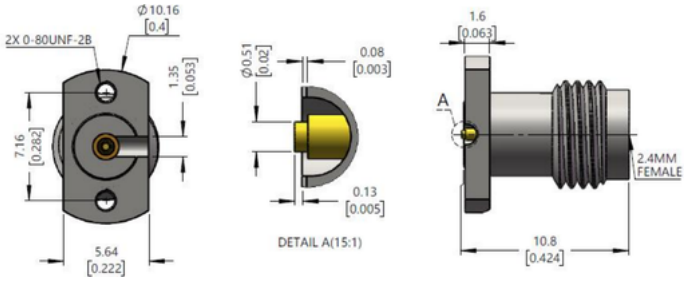
VERTICAL MOUNT ADAPTER

2.4mm Vertical Mount Adapter Connectors

Best for compact vertical RF transition structures where the interface must be aligned to a mounted RF geometry.

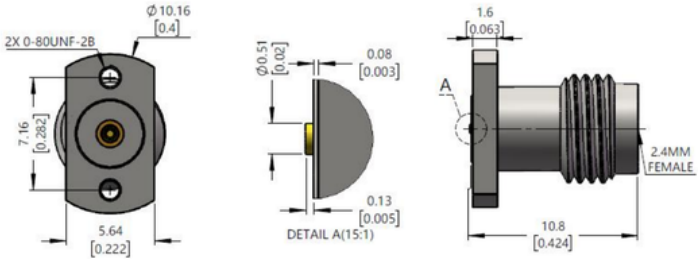
PRODUCT MODEL	VST-CPD24F1351-F09





PRODUCT MODEL	VST-CPD24F1351-F09E

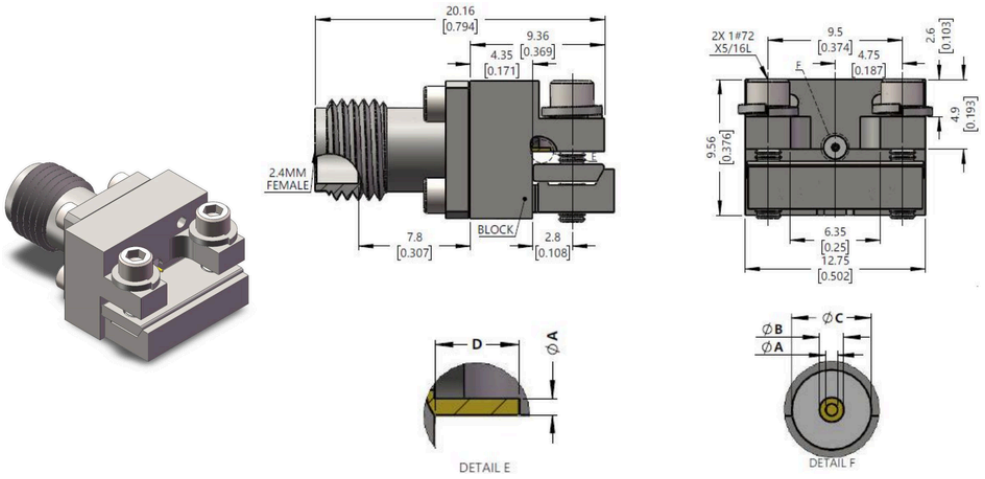




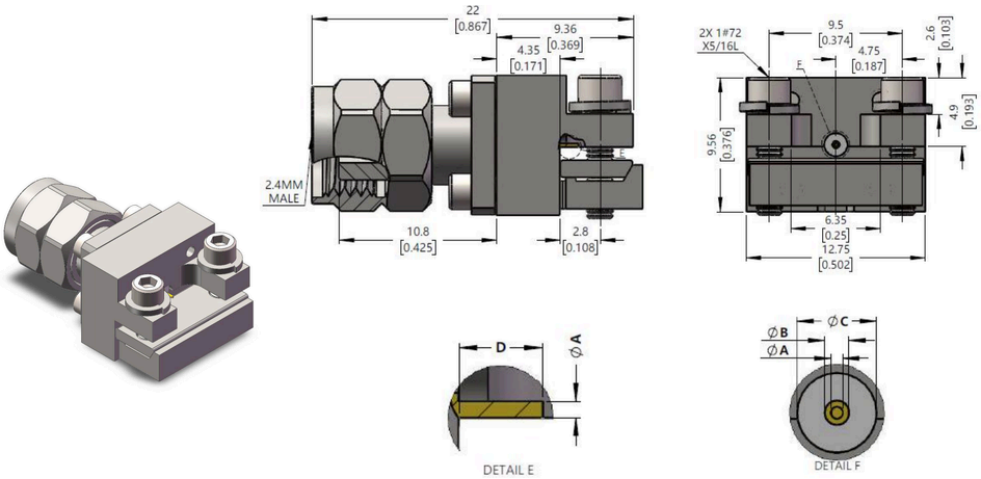
END LAUNCH

2.4mm End Launch Connectors

Best for controlled board-edge RF transitions where launch geometry must match the target PCB interface.



NO.	PRODUCT MODEL	PIN DIAMETER ØA	PIN DIAMETER ØB	DIELECTRIC DIAMETER ØC	PIN LENGTH D
1	VST-CPEL24F2305-A06	0.13 [0.005]	0.23 [0.009]	0.75 [0.030]	0.75 [0.030]
2	VST-CPEL24F2304-A06	0.23 [0.009]	0.23 [0.009]	0.75 [0.030]	0.75 [0.030]
3	VST-CPEL24F3005-A06	0.18 [0.007]	0.30 [0.012]	1.00 [0.039]	0.75 [0.030]
4	VST-CPEL24F5105-A06	0.25 [0.010]	0.51 [0.020]	1.66 [0.065]	1.27 [0.050]



NO.	PRODUCT MODEL	PIN DIAMETER ØA	PIN DIAMETER ØB	DIELECTRIC DIAMETER ØC	PIN LENGTH D
1	VST-CPEL24M2305-A07	0.13 [0.005]	0.23 [0.009]	0.75 [0.030]	0.75 [0.030]
2	VST-CPEL24M2304-A07	0.23 [0.009]	0.23 [0.009]	0.75 [0.030]	0.75 [0.030]
3	VST-CPEL24M3005-A07	0.18 [0.007]	0.30 [0.012]	1.00 [0.039]	0.75 [0.030]
4	VST-CPEL24M5105-A07	0.25 [0.010]	0.51 [0.020]	1.66 [0.065]	1.27 [0.050]

*PCB stack-up, launch geometry and grounding pattern should be confirmed before final selection.

Precision RF Interconnect Solutions

Vinstronics

COMPANY

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