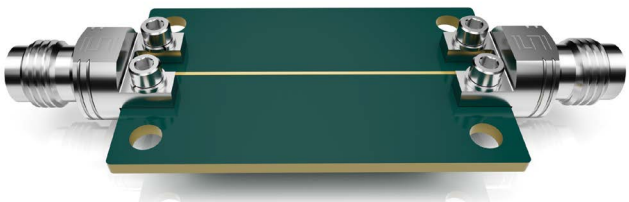
VERTICAL & EDGE LAUNCH
SOLDERLESS COMPRESSION MOUNT

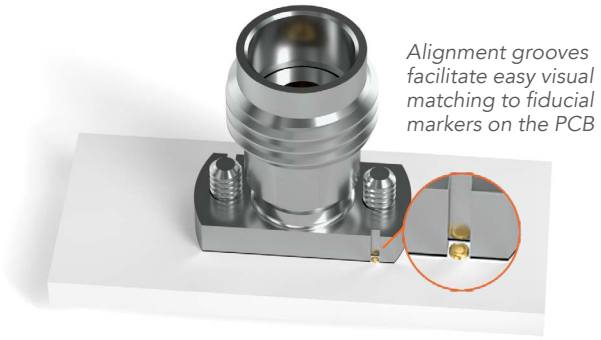
DC TO 90 GHz

TEST & MEASUREMENT APPLICATIONS

Threaded Coupling | High Mechanical Stability | Field Replaceable | Cost-Effective Assembly

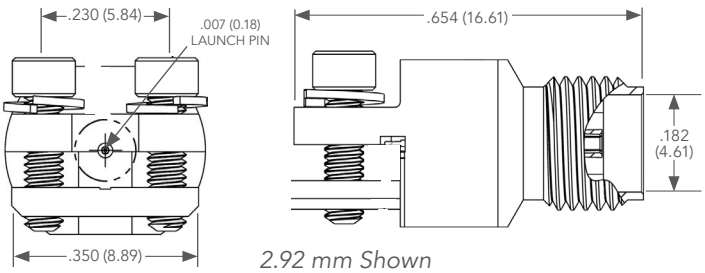


Board thickness = 0.040" to 0.100"



Alignment grooves facilitate easy visual matching to fiducial markers on the PCB

Edge Launch
Small Form Factor Improves Density



2.92 mm Shown

Vertical
Alignment Features Ensure Repeatable Peak Connector Performance

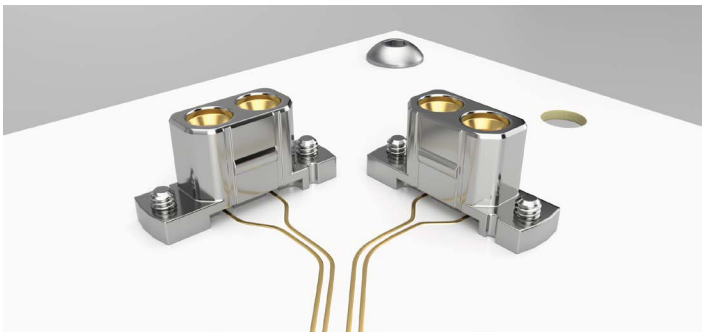
Read about this exclusive Samtec technology over on our blog.

BOARD LAUNCH DESIGN SERVICES AVAILABLE

Learn more at: samtec.com/RF or contact: RFGroup@samtec.com

TECHNICAL SPECIFICATIONS

Vertical & Edge Launch Solderless Compression Mount



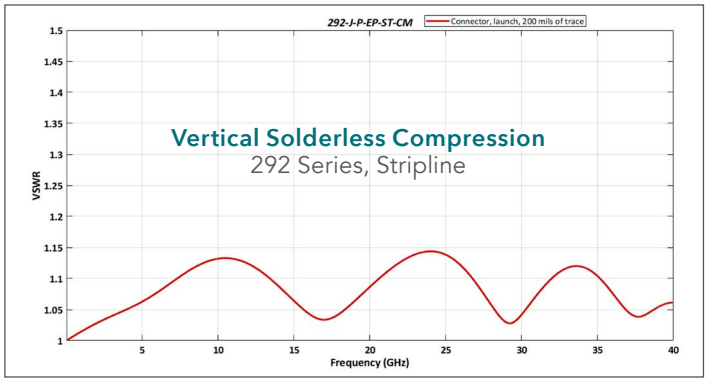
1.35 mm | 90 GHz, 50 Ohm | Solderless	
135 Series	Vertical
Board Thickness	0.016" to 0.125"
Torque (board mount)	0.5 ~ 0.8 in-lbs

SMPM | 65 GHz, 50 Ohm | Solderless	
GPPC Series	Vertical
Board Thickness	0.016" to 0.125"
Torque (board mount)	0.9 ~ 1.3 in-lbs

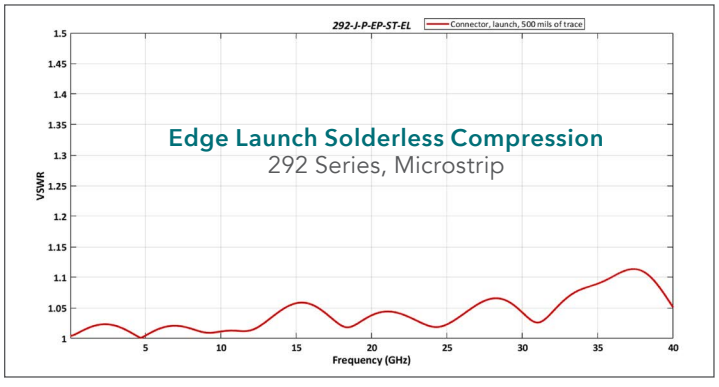
1.85 mm | 65 GHz, 50 Ohm | Solderless		
185 Series	Vertical	Edge Launch
Board Thickness	0.016" to 0.125"	0.040" to 0.100"
Torque (board mount)	0.5 ~ 0.8 in-lbs	

2.40 mm | 50 GHz, 50 Ohm | Solderless		
240 Series	Vertical	Edge Launch
Board Thickness	0.016" to 0.125"	0.040" to 0.100"
Torque (board mount)	0.5 ~ 0.8 in-lbs	

2.92 mm | 40 GHz, 50 Ohm | Solderless		
292 Series	Vertical	Edge Launch
Board Thickness	0.016" to 0.125"	0.040" to 0.100"
Torque (board mount)	0.5 ~ 0.8 in-lbs	



Measured (2.92 mm, 292 Series - Stripline): The VSWR above used AFR on the measurement from the reference plane of the connector into 0.2" of board trace. Board construction was a straight stripline trace on a 6 layer Tachyon 100G board.



Measured (2.92 mm, 292 Series - Microstrip): The VSWR above used AFR on the measurement from the reference plane of the connector into 0.5" of board trace. Board construction was a straight microstrip trace on a 4 layer stackup with an outer 10 mil core of I-Tera MT40.

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