



HERMETIC RANGE

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*Introduction***INTRODUCTION**

Radiall specializes in interconnect solutions for military, aerospace, telecom and industrial applications that require hermetic seal connectors to maintain a pressurized or vacuum-sealed environment inside a package.

1. HERMETIC MICROSTRIP RECEPTACLE WITH SEPARATE GLASS SEAL

(LEAKAGE RATE BELOW 10^{-8} ATM/CM³/SEC)

There are four different glass seals (from dia 0.3 to 0.5 mm), which must be ordered separately from the receptacle. A ring of solder around the glass seal provides hermeticity. The pin inside the package can be soldered onto the PCB trace directly or connected to the PCB using the socket option. The receptacle can be removed from the package for maintenance without any risk of leakage. The field replaceable receptacle is recommended when many connections are required.

1.1. FLANGE RECEPTACLE TYPE WITH SEPARATE GLASS SEAL

- 12.4 or 9.5 mm four-hole square flange, jack or plug receptacle type
- Two-hole narrow flange, jack or plug type

1.2. SCREW-ON RECEPTACLE TYPE WITH SEPARATE GLASS SEAL

- Panel feedthrough jack receptacle type only

1.3. CABLE RECEPTACLE TYPE WITH SEPARATE GLASS SEAL

- Two-hole narrow flange receptacle type only

2. HERMETIC MICROSTRIP RECEPTACLE WITH INTEGRATED GLASS SEAL

(LEAKAGE RATE BELOW 10^{-8} ATM/CM³/SEC)

The glass seal is already in place inside the receptacle. Hermeticity is achieved by a solder joint between the receptacle and the package or with a metallic compression gasket.

2.1. SOLDER RECEPTACLE TYPE WITH INTEGRATED GLASS SEAL

- Panel feedthrough jack or plug receptacle
- Not a field replaceable solution

2.2. SCREW-ON RECEPTACLE TYPE WITH INTEGRATED GLASS SEAL

- Panel feedthrough jack or plug receptacle with metallic compression gasket
- (Superior climatic resistance: -65 °C ~ +200 °C)

3. HERMETIC MICROSTRIP RECEPTACLE WITHOUT GLASS SEAL

(LEAKAGE RATE BELOW 10^{-6} ATM/CM³/SEC)

Lower hermeticity level obtained with a metallic gasket

3.1. SCREW-ON RECEPTACLE TYPE WITHOUT GLASS SEAL

- Panel feedthrough jack or plug receptacle

3.2. PANEL SEALED BULKHEAD FEEDTHROUGH ADAPTER

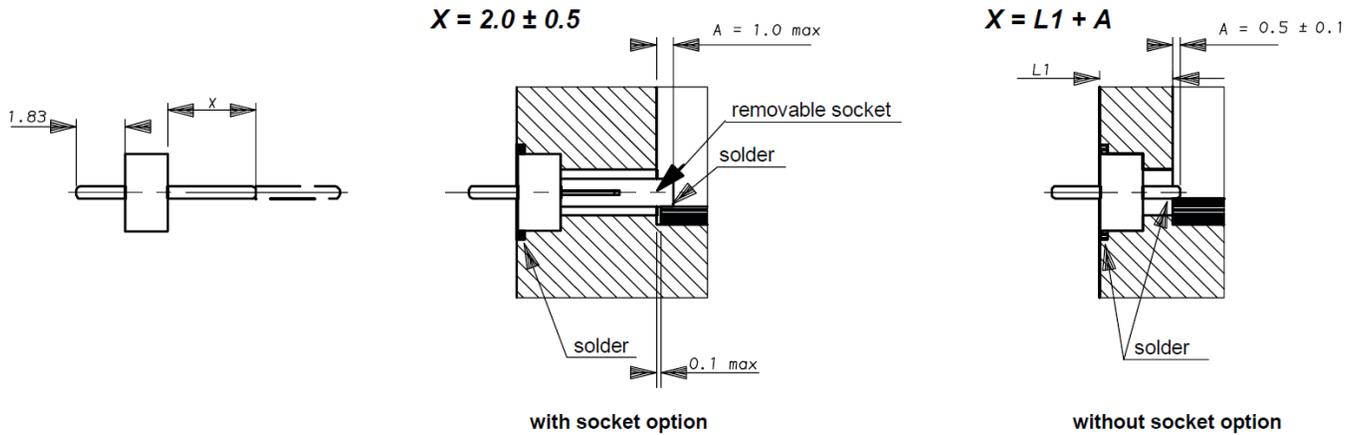
- Jack to jack in-series adapter

Notes

Most of the measurements are in millimeters. Otherwise, the standard rule is: mm (inches).

Introduction

GLASS SEAL & CONNECTOR ASSEMBLY IN THE MICRO ELECTRONIC PACKAGE



GLASS SEAL

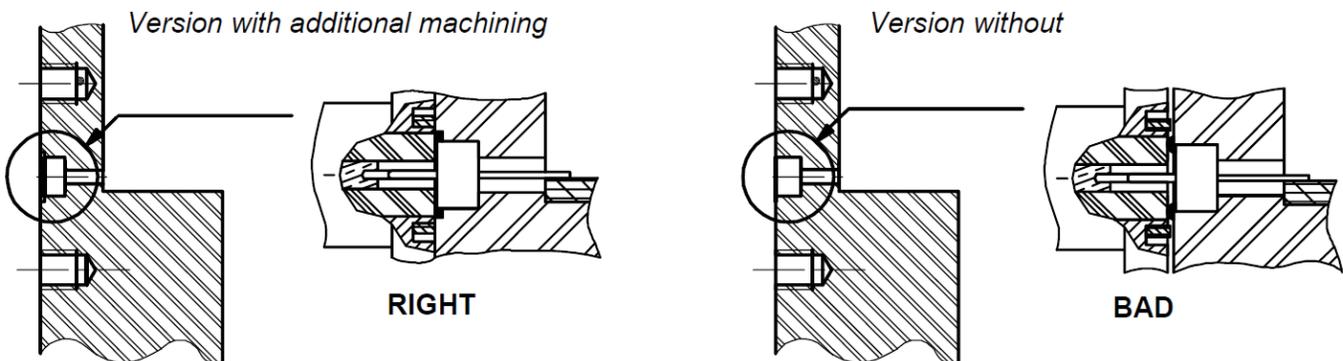
1. Adjust X by cutting the pin if necessary.
2. Introduce the glass seal into its cavity.
3. Place a ring of solder in the groove around the glass seal (a 0.3 mm wire diameter of solder is recommended).
4. Solder the pin (or optional socket) on the PCB trace inside the package.

Warning: Too much welding will damage the connection. Important: we advise following the A dimension rigorously, by soldering the pin or the socket directly on the trace.

CONNECTOR RECEPTACLE

Place the "EMI" screening gasket in the groove of the receptacle (if applicable). Introduce the receptacle on the glass seal pin, and then screw the flange (use the appropriate tool for screw-in receptacle).

GLASS SEAL MOUNTING



The Radiall panel drilling on page 18 recommends an additional bore or chamber machining on the outer edge of the glass seal housing. This additional machining allows placing a pre-form (solder stick diameter of 0.3 mm) before soldering.

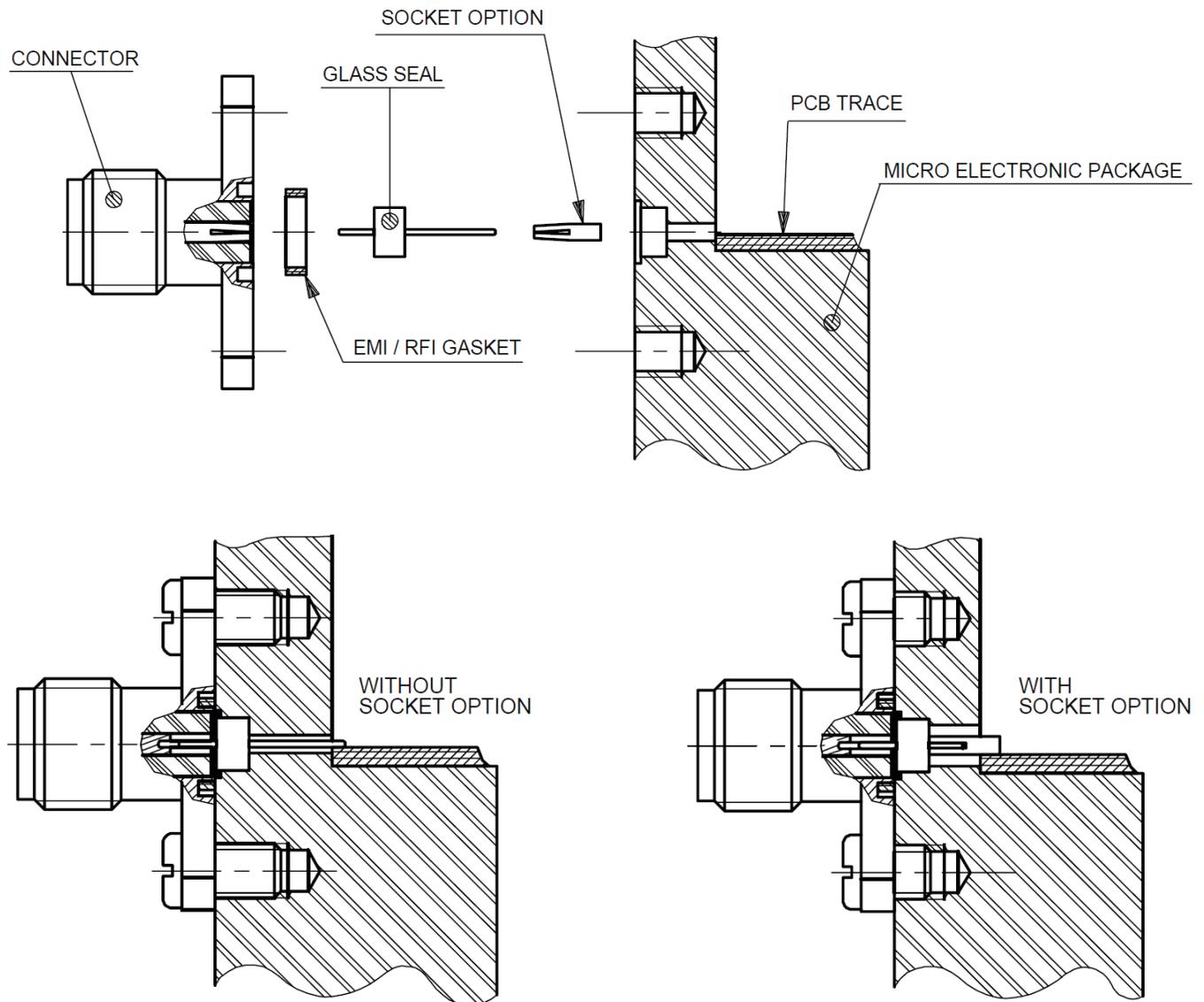
After mounting, solder is flush and allows the right positioning of the receptacle. The EMI gasket efficiency is guaranteed.

Notes

For maximum RF performances, the link track/pin must be as thin as possible.

Introduction

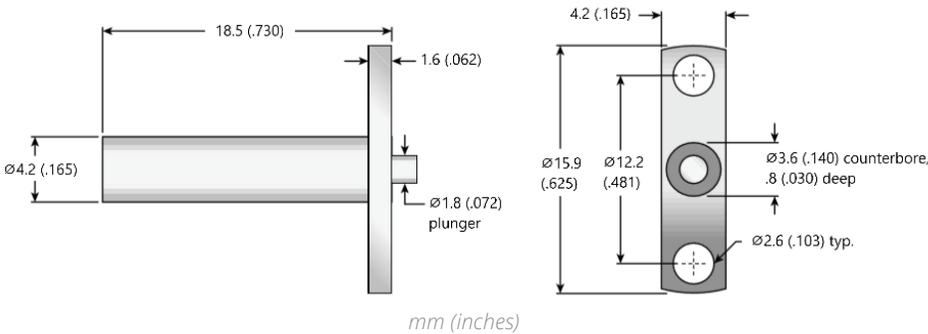
GLASS SEAL FOR HERMETIC MICROSTRIP RECEPTACLES



Introduction

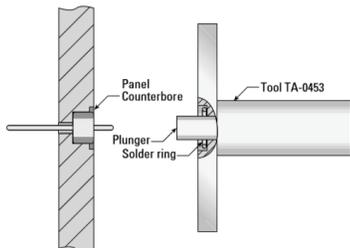
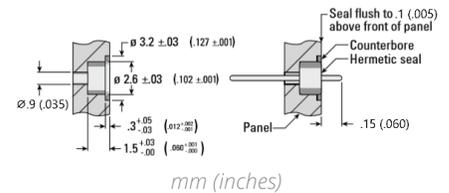
SMP HERMETIC SEAL INSTALLATION

1. HERMETIC SEAL FIXTURING TOOL

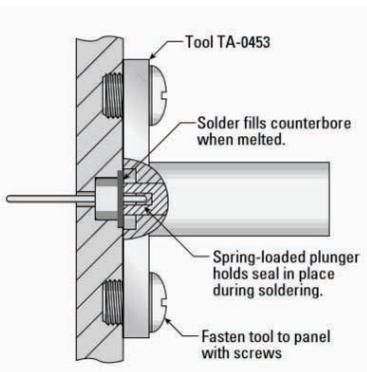


2. HERMETIC SEAL INSTALLATION

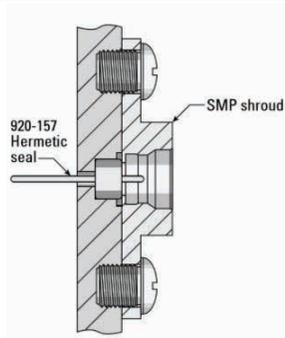
- Drill panel as shown.
- Front of seal should be as close to flush as possible with front surface of panel; if front of seal is below panel surface, an air gap is created that adversely affects electrical performance.
- Front of seal should be flush with front surface of panel, but may protrude up to .005" without affecting performance.



- Form solder ring of a size to completely fill panel counterbore when melted.
- Place preformed solder ring into counterbore of tool.



- Secure tool to panel with screws.
- Apply heat to completely melt solder.
- Remove tool only after solder joint has cooled.

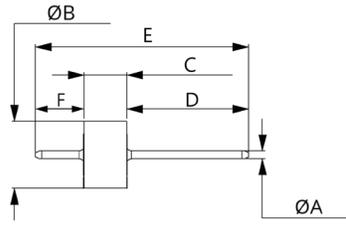


- Secure SMP shroud flange to panel with screws.



HERMETIC MICROSTRIP

GLASS SEAL



MM (INCHES)							
PART NUMBER	FIG.	A	B	C	D	E	F
R280.751.000	1	0.30 (.012)	2.52 (.099)	1.6 (.063)	4.57 (.180)	8.0 (.315)	1.83 (.072)
R280.751.070	1		2.5 (.097)	1.59 (.063)	4.57 (.180)	7.79 (.307)	1.83 (.072)
R280.751.080	1		2.52 (.099)	1.6 (.063)	1.3 (.051)	4.73 (.186)	1.83 (.072)
R280.751.350	1		2.52 (.099)	1.6 (.063)	4.57 (.180)	8.0 (.315)	1.83 (.072)
R280.760.000	1		1.93 (.076)	1.4 (.055)	0.74 (.029)	3.18 (.125)	1.04 (.041)
R280.760.040	1		1.93 (.076)	1.4 (.055)	0.74 (.029)	3.18 (.125)	1.04 (.041)
R280.760.050	1		1.92 (.076)	1.39 (.055)	1.72 (.068)	4.21 (.166)	1.72 (.068)
R280.760.200	1		1.92 (.076)	1.76 (.069)	4.57 (.180)	8.0 (.315)	1.67
R280.760.230	1		1.92 (.076)	1.39 (.055)	1.05 (.041)	3.49 (.137)	1.05
920-55	1		2.5 (.097)	1.52 (.060)	4.57 (.180)	7.92 (.312)	3.35 (.132)
R280.752.000	1	0.38 (.015)	2.5 (.097)	1.6 (.063)	1.6 (.063)	5.1 (.201)	1.59 (.062)
R280.752.060	1		2.5 (.097)	1.58 (.062)	4.57 (.180)	7.67 (.302)	1.52
R280.752.070	1		2.5 (.097)	1.56 (.061)	1.59 (.063)	5.1 (.201)	1.95
920-82	1		2.5 (.097)	1.52 (.060)	4.57 (.180)	7.92 (.312)	1.83 (.072)
920-157	1		2.5 (.097)	1.6 (.063)	5.1 (.200)	8.2 (.323)	1.54 (.06)
R280.755.000	1	0.46 (.018)	2.86 (.113)	1.6 (.063)	4.57 (.180)	8.0 (.315)	1.83 (.072)
R280.755.040	1		2.85 (.112)	1.6 (.063)	1.6 (.063)	NC	1.83 (.072)
R280.757.060	1		4.03 (.159)	1.77 (.069)	1.78 (.070)	5.6 (.220)	2.03 (.080)
R280.757.070	1		4 (.157)	1.78 (.070)	2.03 (.080)	5.59 (.220)	2.03 (.080)
R280.757.080	1		4.04 (.159)	1.78 (.070)	5.82 (.229)	9.52 (.375)	1.93 (.076)
920-56	1		2.5 (.097)	1.52 (.060)	4.57 (.180)	8.0 (.315)	1.83 (.072)
920-69	1	0.51 (.020)	4.01 (.158)	1.52 (.060)	5.16 (.203)	8.2 (.323)	1.52 (.06)
920-92	1		4.01 (.158)	1.52 (.060)	4.69 (.18)	8.13 (.320)	2.03 (.08)

ACCESSORIES

OPTIONAL SOCKETS

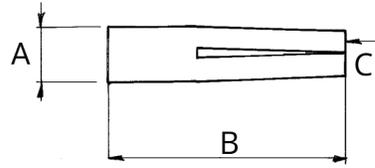
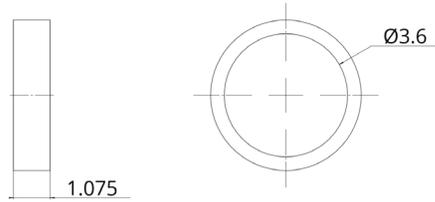


FIG. 1

PART NUMBER	FIG.	A	B	C GLASS BEAD DIAMETER
R280.469.000	1	0.85	3.43	0.28-0.38
R280.469.010	1	0.85	3.43	0.40-0.51

OPTIONAL EMI GASKETS



PART NUMBER	NOTES
R280.510.000	-

Notes



SMC

SMC

INTEGRATED GLASS SEAL

RECEPTACLES

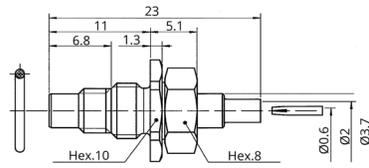


FIG. 1

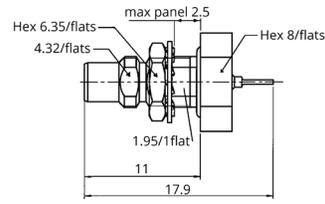


FIG. 2

PART NUMBER	FIG.	CABLE TYPE	MODEL
R112.345.027	1	RG178	Crimping
R112.603.000	2	-	Direct Solder

IN-SERIES ADAPTERS

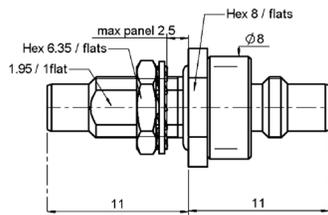


FIG. 1

PART NUMBER	FIG.	INTERFACE 1	INTERFACE 2
R112.753.000	1	SMC Male	SMC Male



SMB

SMB

INTEGRATED GLASS SEAL

RECEPTACLES

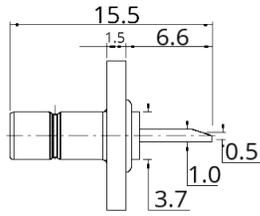


FIG. 1

PART NUMBER	FIG.	NOTES
R114.510.000	1	-

IN-SERIES ADAPTER PANEL SEALED BULKHEAD FEEDTHROUGH JACK TO JACK

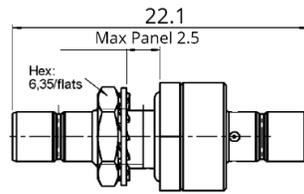


FIG. 1

PART NUMBER	FIG.	NOTES
R114.753.000	1	-

BULKHEAD HERMETICAL JACK RECEPTACLE REAR MOUNTING - PANEL SEAL

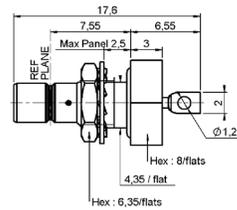


FIG. 1

PART NUMBER	FIG.	NOTES
R114.603.000	1	-



SMA & SSMA

SMA

INTEGRATED GLASS SEAL

Screw-on receptacles with integrated glass seal; the compression gasket will ensure the hermeticity between the receptacle and the panel.

SCREW-ON TYPE, JACK RECEPTACLE

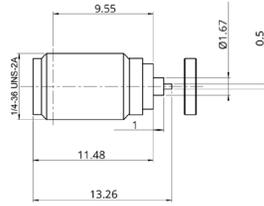


FIG. 1

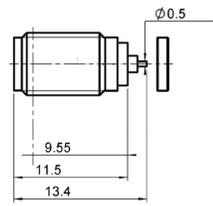


FIG. 2

PART NUMBER	FIG.	RECOMMENDED TOOL
R125.609.000	1	R282.341.000
R125.609.001	2	R282.341.012

SCREW-ON TYPE, JACK RECEPTACLE WITH REMOVABLE CONTACT

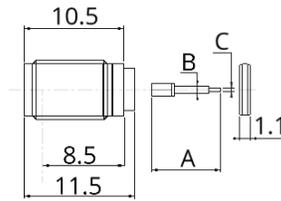


FIG. 1

PART NUMBER	FIG.	A	B	C	RECOMMENDED TOOL
R125.609.011	1	4.2	0.75	0.5	R282.341.012
R125.609.031	1	5.5	0.75	0.5	R282.341.002
R125.609.051	1	6.69	0.75	0.5	R282.341.012
R125.609.080	1	4.43	0.75	0.15	
R125.609.160	1	7.17	0.75	0.3	
R125.609.170	1	6.69	0.75	0.5	
R125.609.171	1	4.19	0.75	0.5	
R125.609.182	1	7.17	0.75	0.3	
R125.609.192	1	6.69	0.75	0.5	

SMA

SOLDER TYPE, JACK RECEPTACLE

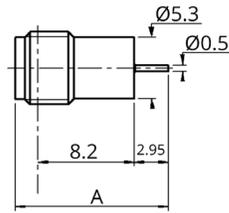


FIG. 1

PART NUMBER	FIG.	A	NOTES
R125.630.000	1	10.2	-
R125.630.040	1	13.1	-

SCREW-ON TYPE, PLUG RECEPTACLE

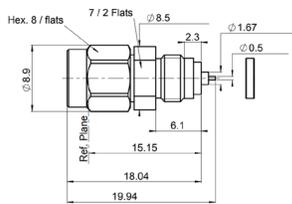


FIG. 1

PART NUMBER	FIG.	NOTES
R125.639.001	1	-

SCREW-ON TYPE, PLUG RECEPTACLE WITH REMOVABLE CONTACT

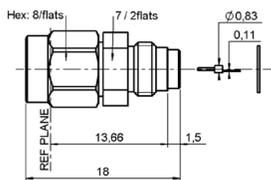


FIG. 1

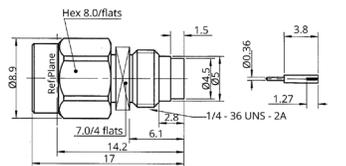


FIG. 2

PART NUMBER	FIG.	NOTES
R125.635.561	1	Flat Tab Contact
R125.635.581	2	Slotted Contact

SMA

SEPARATE GLASS SEAL

SQUARE FLANGE 12.7 JACK RECEPTACLE

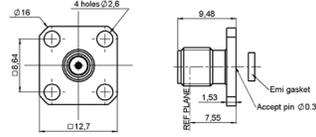


FIG. 1

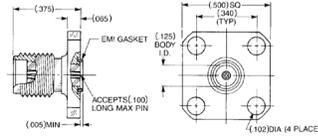


FIG. 2

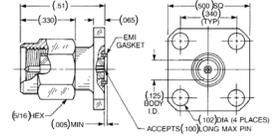


FIG. 3

MM (INCHES)				
PART NUMBER	ADDITIONAL GLASS BEAD DIAMETER	FIG.	NOTES	
R125.411.000	0.3 (.012)	1	-	
R125.411.001	0.3 (.012)	1	-	
R125.411.011	0.5 (.020)	1	-	
R125.411.201	0.3 (.012)	1	Without EMI Gasket	
R125.411.400	0.3 (.012)	1	Glass Bead Included in Packaging	
9045-9513-000	0.3 (.012)	2	-	
9145-9513-000	0.3 (.012)	2	9045-9513-000 with Glass Bead 920-55 Included in Packaging	
9045-9513-001	0.3 (.012)	2	-	
9047-9513-000	0.3 (.012)	3	-	
9049-9513-000	0.457 (.018)	2	-	
9149-9513-000	0.457 (.018)	2	9149-9513-000 with Glass Bead 920-56 Included in Packaging	
9051-9513-000	0.457 (.018)	3	-	
9504-1213-023	0.508 (.020)	2	-	
9504-9113-031	0.508 (.020)	2	-	
9504-9113-034	0.508 (.020)	2	9504-9113-031 with Glass Bead 920-69 Included in Packaging	
9504-9113-009	0.914 (.036)	2	-	
9504-9113-035	0.914 (.036)	2	9504-9113-009 with Glass Bead 920-92 Included in Packaging	

SQUARE FLANGE 9.5 JACK RECEPTACLE

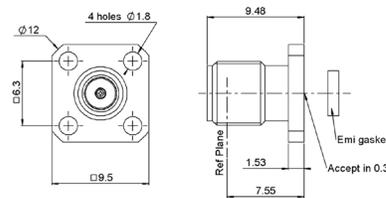


FIG. 1

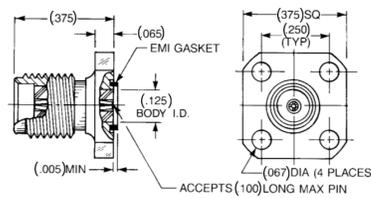


FIG. 2

MM (INCHES)				
PART NUMBER	ADDITIONAL GLASS BEAD DIAMETER	FIG.	NOTES	
R125.941.000	0.3 (.012)	1	-	
9074-9513-000	0.457 (.018)	2	-	
9079-9513-000	0.3 (.012)	2	-	
9179-9513-000	0.3 (.012)	2	9079-9513-000 with Glass Bead 920-55 Included in Packaging	
9079-9513-001	0.381 (.015)	2	-	
9576-9113-001	0.508 (.020)	2	-	
9576-9113-002	0.508 (.020)	2	9576-9113-001 with Glass Bead 920-69 Included in Packaging	
9576-9113-003	0.914 (.036)	2	-	

SMA

STRAIGHT JACK RECTANGULAR FLANGE

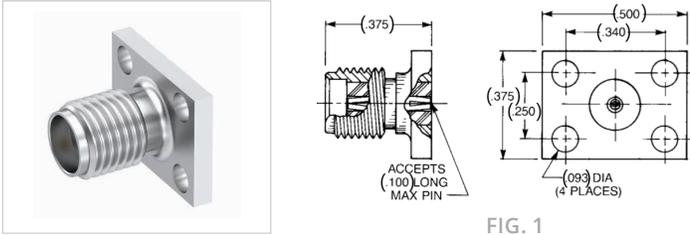


FIG. 1

MM (INCHES)			
PART NUMBER	ADDITIONAL GLASS BEAD DIAMETER	FIG.	NOTES
9507-9113-005	0.914 (.036)	1	-

2-HOLE FLANGE JACK RECEPTACLE

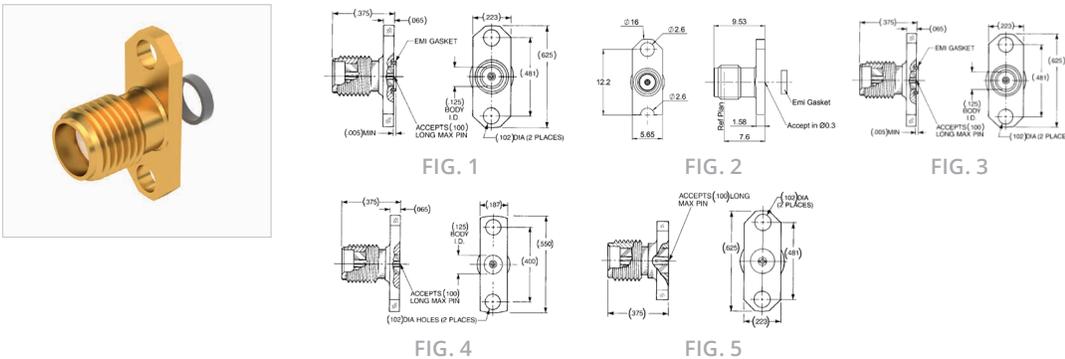


FIG. 1

FIG. 2

FIG. 3

FIG. 4

FIG. 5

MM (INCHES)			
PART NUMBER	ADDITIONAL GLASS BEAD DIAMETER	FIG.	NOTES
R125.465.000	0.3 (.012)	1	-
R125.465.001	0.3 (.012)	1	-
R125.465.010	0.5 (.020)	1	-
R125.465.011	0.5 (.020)	1	-
R125.465.201	0.3 (.012)	1	-
R125.967.001	0.3 (.012)	2	-
9044-9513-000	0.3 (.012)	3	-
9144-9513-000	0.3 (.012)	3	9044-9513-000 with Glass Bead 920-55 Included in Packaging
9046-9513-000	0.3 (.012)	3	-
9146-9513-000	0.3 (.012)	3	9046-9513-000 with Glass Bead 920-55 Included in Packaging
9046-9513-001	0.381 (.015)	3	-
9146-9513-001	0.381 (.015)	3	9046-9513-001 with Glass Bead 920-82 Included in Packaging
9044-9513-001	0.381 (.015)	3	-
9144-9513-001	0.381 (.015)	3	9044-9513-001 with Glass Bead 920-82 Included in Packaging
9048-9513-000	0.457 (.018)	3	-
9148-9513-000	0.457 (.018)	3	9048-9513-000 with Glass Bead 920-56 Included in Packaging
9050-9513-000	0.457 (.018)	3	-
9150-9513-000	0.457 (.018)	3	9050-9513-000 with Glass Bead 920-56 Included in Packaging
9080-9513-000	0.3 (.012)	4	-
9180-9513-000	0.3 (.012)	4	9080-9513-000 with Glass Bead 920-55 Included in Packaging
9080-9513-001	0.381 (.015)	4	-
9180-9513-001	0.381 (.015)	4	9080-9513-001 with Glass Bead 920-82 Included in Packaging
9081-9513-000	0.457 (.018)	4	-
9508-9113-002	0.508 (.020)	5	-
9508-9113-003	0.508 (.020)	5	9508-9113-003 with Glass Bead 920-69 Included in Packaging
9508-9113-001	0.914 (.036)	5	-

SMA

2-HOLE NARROW FLANGE JACK RECEPTACLE

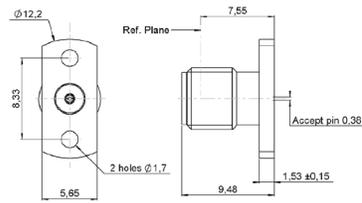


FIG. 1

PART NUMBER	ADDITIONAL GLASS BEAD DIAMETER	FIG.	NOTES
R125.465.551	0.38	1	-

HOLES FLANGE MOUNT PLUG RECEPTACLE

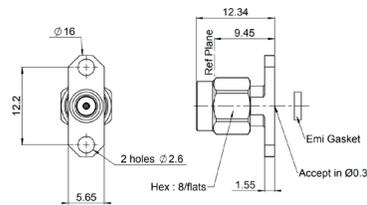


FIG. 1

PART NUMBER	ADDITIONAL GLASS BEAD DIAMETER	FIG.	NOTES
R125.481.001	0.3	1	-
R125.481.011	0.5	1	-

IN-SERIES STRAIGHT JACK ADAPTERS

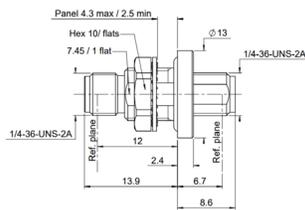


FIG. 1

PART NUMBER	FIG.	NOTES
R125.753.000	1	-
R125.753.001	1	-

SMA

IN-SERIES R/A JACK ADAPTERS

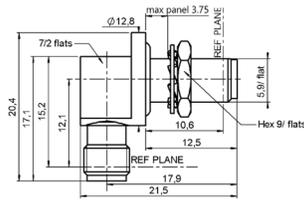


FIG. 1

PART NUMBER	FIG.	NOTES
R125.772.000	1	-

SCREW-ON TYPE, JACK RECEPTACLE

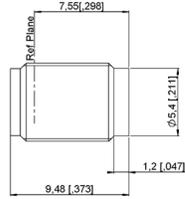


FIG. 1

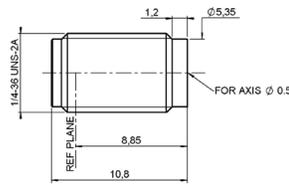


FIG. 2

PART NUMBER	ADDITIONAL GLASS BEAD DIAMETER	FIG.	RECOMMENDED TOOL
R125.556.001	0.3	1	R282.341.010
R125.556.010	0.5	1	
R125.556.011	0.5	1	
R125.556.031	0.5	2	

SCREW-ON TYPE, JACK RECEPTACLE

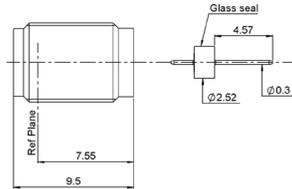


FIG. 1

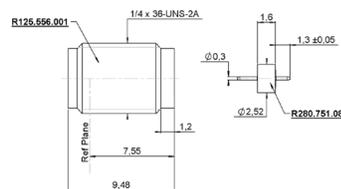


FIG. 2

PART NUMBER	FIG.	RECOMMENDED TOOL	NOTES
R125.638.001	1	R282.341.010	Separate Glass Seal Integrated in Package
R125.638.021	2		

SMA

NON GLASS SEAL TECHNOLOGY

SCREW-ON TYPE, JACK RECEPTACLE

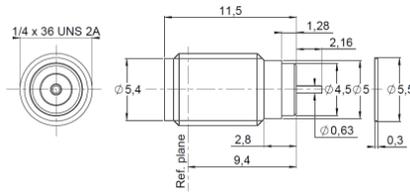


FIG. 1

PART NUMBER	FIG.	RECOMMENDED TOOL	NOTES
R125.605.402	1	-	-

SCREW-ON TYPE, JACK RECEPTACLE WITH REMOVABLE CONTACT

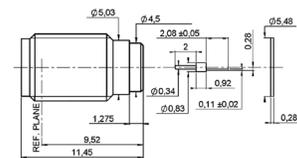


FIG. 1

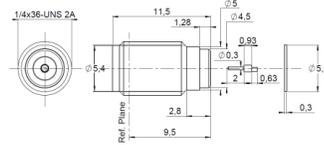


FIG. 2

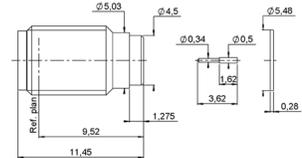


FIG. 3

PART NUMBER	FIG.	CONTACT TYPE	NOTES
R125.605.311	1	Flat	R282.341.012
R125.605.371	2	Cylindrical	
R125.605.411	3	Cylindrical	

STRAIGHT JACK SCREW-IN MOUNTING

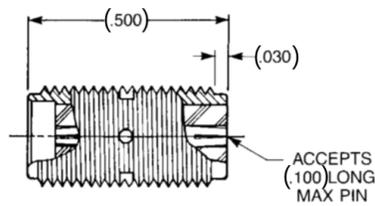


FIG. 1

PART NUMBER	ADDITIONAL GLASS BEAD DIAMETER	FIG.	GLASS BEAD	NOTES
9513-9113-009	0.508 (.020)	1	-	Minimum Package Wall Thickness of .250" Required for Proper Retention
9513-9113-012	0.508 (.020)	1	9513-9113-009 with Glass Bead 920-69 Included in Packaging	
9513-9113-008	0.914 (.036)	1	-	

SMA

STRAIGHT JACK KURL MOUNT

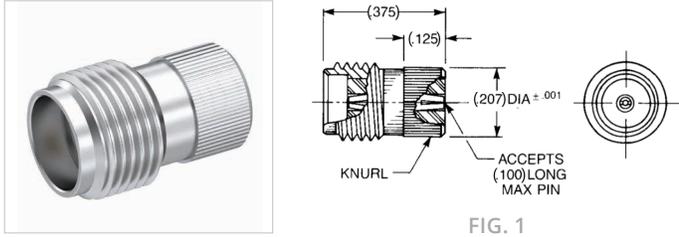


FIG. 1

MM (INCHES)				
PART NUMBER	ADDITIONAL GLASS BEAD DIAMETER	FIG.	GLASS BEAD	NOTES
9533-9113-003	0.508 (.020)	1	-	Minimum Package Wall Thickness of .235" Required for Proper Retention
9533-9113-002	0.508 (.020)	1	9533-9113-003 with Glass Bead 920-69 Included in Packaging	
9533-9113-001	0.914 (.036)	1	-	
9533-9113-004	0.914 (.036)	1	9533-9113-001 with Glass Bead 920-92 Included in Packaging	

SSMA

SOLDER IN RECEPTACLE

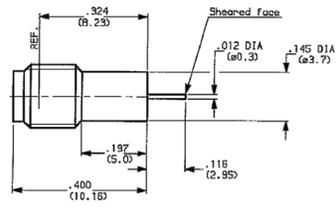


FIG. 1

PART NUMBER	FIG.	NOTES
R121.630.003	1	-



SMA 2.9

SMA 2.9

SEPARATE GLASS SEAL

SQUARE FLANGE JACK RECEPTACLE

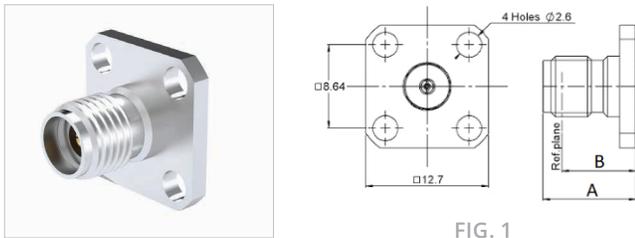


FIG. 1

PART NUMBER	ADDITIONAL GLASS BEAD DIAMETER	FIG.	A	B	NOTES
R127.631.001	0.3	1	9.60	7.67	-
R127.631.501	0.3	1	9.60	7.67	Glass Bead Included in Packaging
R127.842.001	0.3	1	10.76	8.84	-
R127.842.101	0.3	1	11.26	9.33	-

SQUARE FLANGE MOUNT PLUG RECEPTACLE

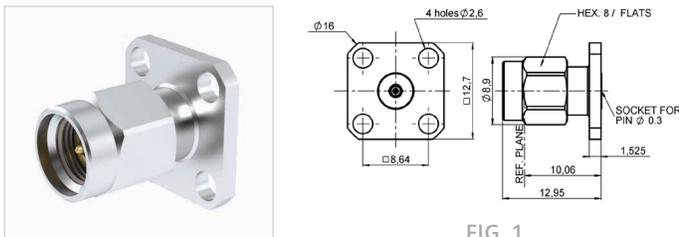


FIG. 1

PART NUMBER	ADDITIONAL GLASS BEAD DIAMETER	FIG.	NOTES
R127.845.001	0.3	1	-

2 HOLES FLANGE JACK RECEPTACLE



FIG. 1

PART NUMBER	ADDITIONAL GLASS BEAD DIAMETER	FIG.	NOTES
R127.632.001	0.3	1	46 GHz with Recommended Glass Bead R280.760.000
R127.843.111	0.38	1	40 GHz

SMA 2.9

2-HOLE FLANGE MOUNT PLUG RECEPTACLE

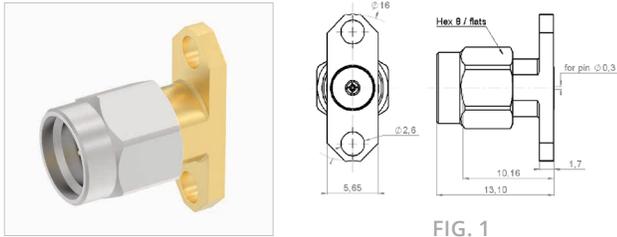


FIG. 1

PART NUMBER	ADDITIONAL GLASS BEAD DIAMETER	FIG.	NOTES
R127.647.001	0.3	1	46 GHz with Recommended Glass Bead R280.760.000

UNIVERSAL SCREW JACK RECEPTACLE

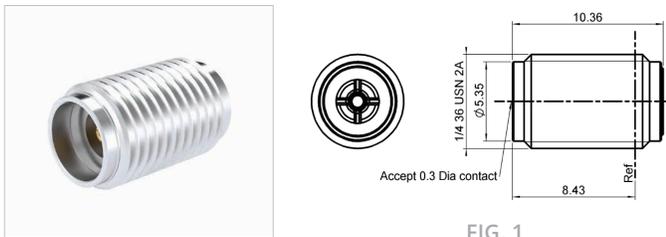


FIG. 1

PART NUMBER	ADDITIONAL GLASS BEAD DIAMETER	FIG.	NOTES
R127.601.001	0.3	1	-
R127.601.011	0.2	1	-
R127.601.421	-	1	R127.601.001 with Glass Bead Included in Packaging

SCREW-ON TYPE, PANEL FEEDTHROUGH JACK RECEPTACLE

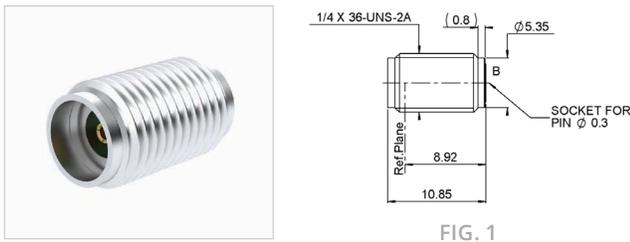


FIG. 1

PART NUMBER	ADDITIONAL GLASS BEAD DIAMETER	FIG.	RECOMMENDED TOOLING
R127.841.001	0.3	1	R282.341.010

INTEGRATED GLASS SEAL

IN-SERIES STRAIGHT ADAPTERS PANEL SEALED BULKHEAD FEEDTHROUGH JACK TO JACK

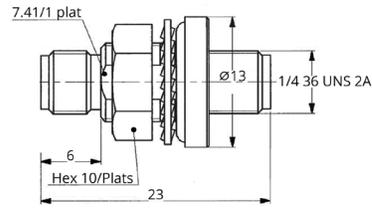


FIG. 1

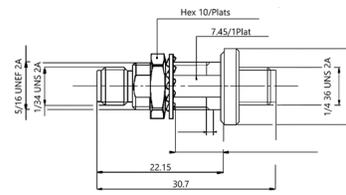


FIG. 2

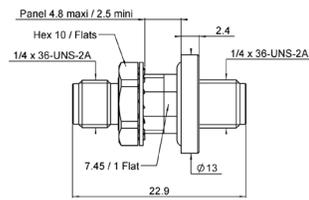


FIG. 3

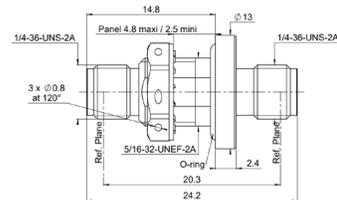


FIG. 4

PART NUMBER	FIG.	NOTES
R127.753.000	1	-
R127.753.120	2	-
R127.753.130	3	-
R127.753.140	4	-



BMA

BMA

SEPARATE GLASS SEAL

SQUARE FLANGE 12.7 JACK RECEPTACLE

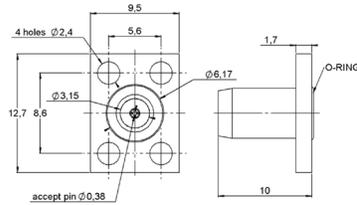


FIG. 1

PART NUMBER	ADDITIONAL GLASS BEAD DIAMETER	FIG.	NOTES
R128.412.807	0.38	1	-

2-HOLE FLANGE JACK RECEPTACLE

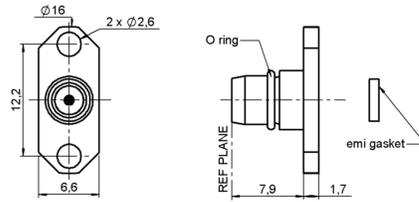


FIG. 1

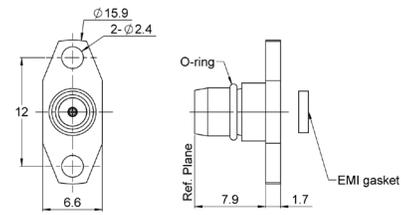


FIG. 2

PART NUMBER	ADDITIONAL GLASS BEAD DIAMETER	FIG.	NOTES
R128.481.001	0.3	1	-
R128.481.011	0.5	1	-

MALE THREAD-IN JACK RECEPTACLE

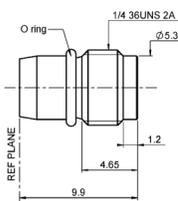


FIG. 1

PART NUMBER	ADDITIONAL GLASS BEAD DIAMETER	FIG.	RECOMMENDED TOOLING	NOTES
R128.556.000	0.3	1	R282.340.010	Body Gold Plated
R128.556.001	0.3	1		Body Stainless Steel Passivated
R128.556.011	0.5	1		

BMA

INTEGRATED GLASS SEAL

MALE THREAD-IN JACK RECEPTACLE

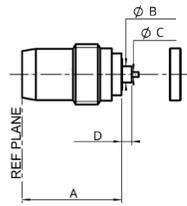


FIG. 1

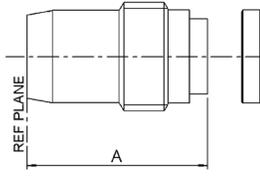


FIG. 2

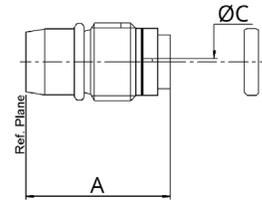


FIG. 3

PART NUMBER	FIG.	A	B	C	D	RECOMMENDED TOOLING	NOTES
R128.639.000	1	10.3	1.67	0.5	1.1	R282.340.000	Body Gold Plated
R128.639.001	1	10.4	1.67	0.5	1.0		Body Stainless Steel Passivated
R128.639.020	1	10.4	1.67	0.5	1.0		Body Gold Plated
R128.639.050	1	11.65	1.67	0.495	1.45		Body Stainless Steel Passivated
R128.639.071	2	10.4	-	-	-		
R128.639.100	1	10.4	0.95	0.3	1.05		
R128.639.111	3	11.85	-	0.5	-		
R128.639.121	1	11	-	0.5	-		

SCREW-ON FEMALE PLUG RECEPTACLE

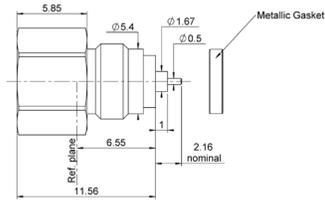


FIG. 1

PART NUMBER	FIG.	RECOMMENDED TOOLING
R128.609.701	1	R282.341.000

Notes



BNC

BNC

INTEGRATED GLASS SEAL

MALE THREAD-IN JACK RECEPTACLE

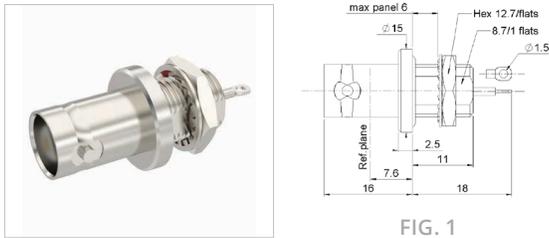


FIG. 1

PART NUMBER	FIG.	NOTES
R141.625.000	1	-
R141.625.020	1	Full Sealed

IN-SERIES STRAIGHT ADAPTERS BULKHEAD FEEDTHROUGH JACK TO JACK



FIG. 1

PART NUMBER	FIG.	NOTES
R141.753.000	1	-
R141.753.190	1	-



TNC

TNC

INTEGRATED GLASS SEAL

SCREW-ON JACK RECEPTACLE

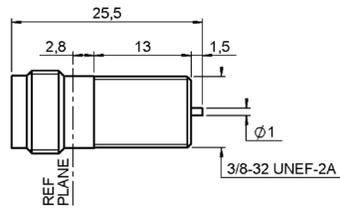


FIG. 1

PART NUMBER	FIG.	NOTES
R143.608.000	1	-

FEMALE JACK RECEPTACLE WITH REAR MOUNTING

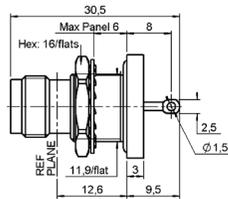


FIG. 1

PART NUMBER	FIG.	NOTES
R143.626.000	1	Panel Sealed

IN-SERIES STRAIGHT ADAPTERS BULKHEAD FEEDTHROUGH JACK TO JACK

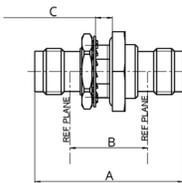


FIG. 1

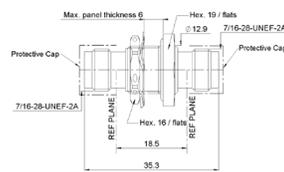


FIG. 2

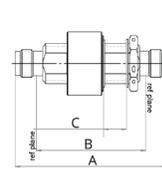


FIG. 3

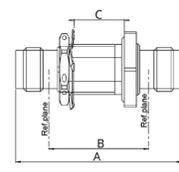


FIG. 4

PART NUMBER	FIG.	A	B	C	NOTES
R143.753.000	1	35.3	18.5	4	-
R143.753.104	2	-	-	-	-
R143.753.120	1	35.3	18.5	6	-
R143.753.130	1	42	25.2	12.7	-
R143.753.160	3	59.8	43	9	-
R143.753.170	4	42	25.2	12.7	-



N

N

INTEGRATED GLASS SEAL

SCREW-ON JACK RECEPTACLE

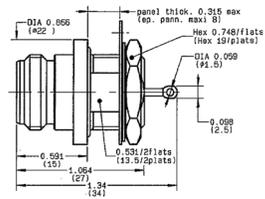


FIG. 1

PART NUMBER	FIG.	NOTES
R161.625.000	1	-

IN-SERIES STRAIGHT ADAPTERS BULKHEAD FEEDTHROUGH JACK TO JACK

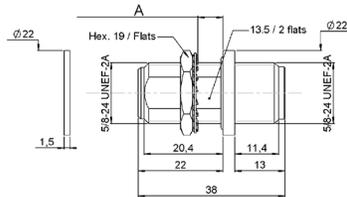


FIG. 1

PART NUMBER	FIG.	A	NOTES
R161.753.000	1	6.5 max	-
R161.753.020	1	6.2 max	-



SMPPM

SMPM

ADDITIONAL GLASS SEAL

2-HOLE FLANGE RECEPTACLE (SHROUD)

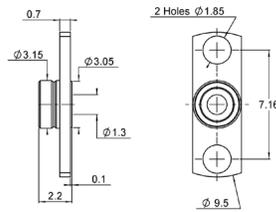


FIG. 1

PART NUMBER	FIG.	GLASS BEAD	NOTES
R201.450.001	1	R280.760.050	Full Detent
R201.450.701	1		Smooth Bore

INTEGRATED GLASS SEAL

STRAIGHT MALE JACK RECEPTACLE SOLDER TYPE

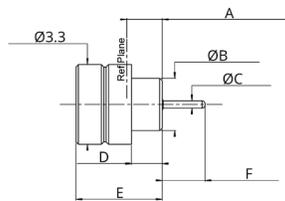


FIG. 1

PART NUMBER	FIG.	A	B	C	D	E	F	NOTES
R201.645.000	1	1.47	2.18	0.3	1.27	3.57	1.78	Full Detent
R201.645.020	1	1.47	2.18	0.3	1.27	3.57	2.28	Full Detent
R201.645.030	1	1.47	2.18	0.3	1.27	3.57	0.76	Full Detent
R201.645.040	1	1.47	2.18	0.3	1.27	3.57	0.77	Full Detent
R201.645.700	1	1.47	2.18	0.3	1.27	3.57	1.78	Smooth Bore
R201.645.710	1	1.47	2.18	0.3	1.27	3.57	2.28	Smooth Bore



SMP-LOCK

INTEGRATED GLASS SEAL

SCREW-ON RECEPTACLE WITH CYLINDRICAL CONTACT

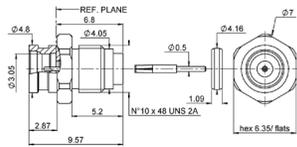


FIG. 1

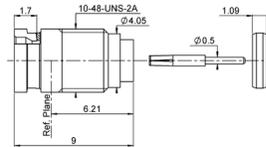


FIG. 2

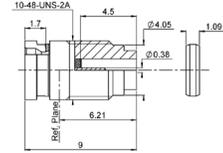


FIG. 3

PART NUMBER	FIG.	NOTES
R222.L10.040	1	Limited Detent
R222.L10.030	2	
R222.L10.060	3	



SMP

SMP

ADDITIONAL GLASS SEAL

FORCING INSERT (SHROUD)

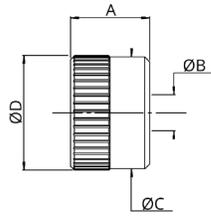


FIG. 1

PART NUMBER	FIG.	A	B	C	D	GLASS BEAD	NOTES
R222.402.731	1	2	1.4	3.6	3.9	R280.752.000	Smooth Bore - Short Version

THREADED INSERT (SHROUD)

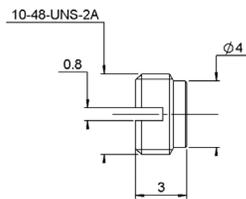


FIG. 1

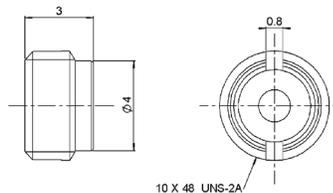


FIG. 2

PART NUMBER	FIG.	GLASS BEAD	NOTES
R222.550.001	1	0.38 R280.752.000	Full Detent
R222.550.301	2		Limited Detent
R222.550.701	2		Smooth Bore

SMP

2-HOLE FLANGE RECEPTACLE (SHROUD)

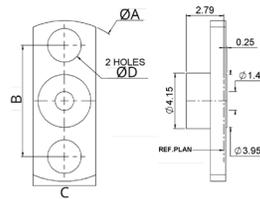


FIG. 1

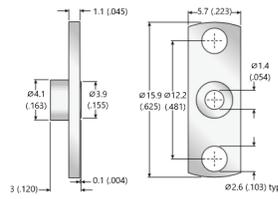


FIG. 2

MM (INCHES)						GLASS BEAD	NOTES
PART NUMBER	FIG.	A	B	C	D		
R222.450.001	1	12	8.32	4.7	2.5	0.38 R280.752.000	Full Detent
R222.450.021	1	10.2	7.16	4.2	1.85		Full Detent
R222.450.031	1	11.9	8.94	6	1.85		Full Detent
R222.450.301	1	12.2	8.3	4.7	2.5		Limited Detent
R222.450.321	1	10.2	7.16	4.2	1.85		Limited Detent
R222.450.331	1	11.9	8.94	6	1.85		Limited Detent
R222.450.721	1	10.2	7.16	4.2	1.85		Smooth Bore
7516-9013-000	2	-	-	-	-		Full Detent
7509-9013-000	2	-	-	-	-		Limited Detent
7515-9013-000	2	-	-	-	-		Smooth Bore

INTEGRATED GLASS SEAL

STRAIGHT MALE JACK RECEPTACLE SOLDER & SCREW TYPES

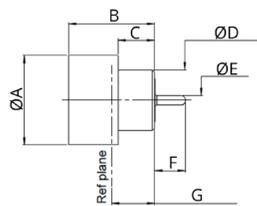


FIG. 1

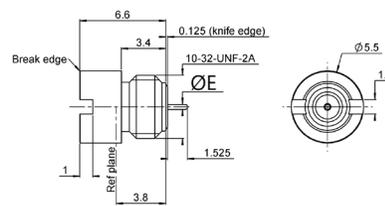


FIG. 2

PART NUMBER	FIG.	A	B	C	D	E	F	G	NOTES
R222.645.000	1	3.7	3.6	1.5	2.56 max	0.38	1.3	1.78	Full Detent
R222.645.020	1	3.7	3	1	2.56 max	0.38	1.27	1.26	Full Detent
R222.645.030	1	4.2	4.1	1	2.56 max	0.38	1.3	1.26	Full Detent
R222.645.050	2	-	-	-	-	0.38	-	-	Full Detent
R222.645.300	1	3.7	3.6	1.5	2.56 max	0.38	1.3	1.78	Limited Detent
R222.645.320	1	3.7	3	1	2.56 max	0.38	1.3	1.26	Limited Detent
R222.645.330	1	4.2	-	1	2.56 max	0.38	1.3	1.26	Limited Detent
R222.645.360	1	3.7	3.6	1.5	2.56 max	0.38	2 min	1.78	Limited Detent
R222.645.700	1	3.7	3.6	1.5	2.56 max	0.38	1.27	1.78	Smooth Bore
R222.645.720	1	3.7	3	1	2.56 max	0.38	1.3	1.26	Smooth Bore
R222.645.730	1	4.2	4	1	2.56 max	0.38	1.3	1.26	Smooth Bore
R222.645.750	1	4.16	4.55	1.52	2.49	0.38	2.3	1.78	Smooth Bore
R222.645.760	2	-	-	-	-	0.38	-	-	Smooth Bore

SMP

ADDITIONAL GLASS SEAL

MALE THREAD-IN JACK RECEPTACLE

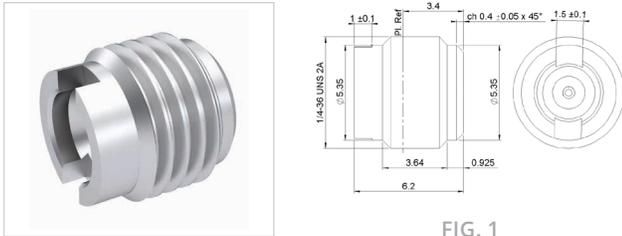


FIG. 1

PART NUMBER	FIG.	NOTES
R222.562.021	1	Full Detent
R222.562.321	1	Limited Detent



QRE

QRE

SEPARATED GLASS SEAL

RECTANGULAR FLANGE JACK RECEPTACLE

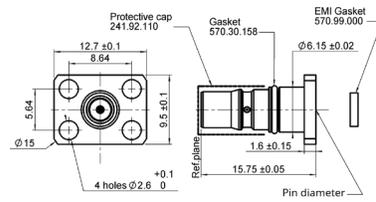


FIG. 1

PART NUMBER	FIG.	NOTES
R324.434.L01	1	Pin Diameter 0.46 mm - SS316L
R324.434.L21	1	Pin Diameter 0.38 mm - SS316L

NON GLASS SEAL TECHNOLOGY

SCREW-IN JACK RECEPTACLE

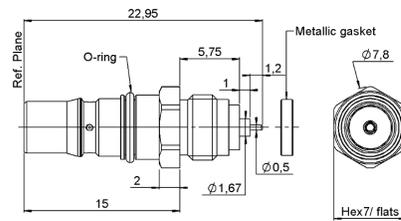


FIG. 1

PART NUMBER	FIG.	NOTES
R324.555.L01	1	Metallic Gasket Integrated in Packaging



MCC12

MCC12

INTEGRATED GLASS SEAL

SCREW-ON RECEPTACLE

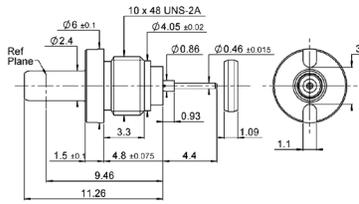


FIG. 1

PART NUMBER	FIG.	NOTES
R199.012.514	1	-



2.4 MM

2.4 mm

SEPARATED GLASS SEAL

FEMALE SQUARE FLANGE JACK RECEPTACLE

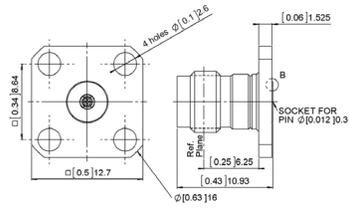


FIG. 1

PART NUMBER	FIG.	NOTES
R327.411.000	1	With Additional Glass Bead Dia 0.3

MALE SQUARE FLANGE PLUG RECEPTACLE

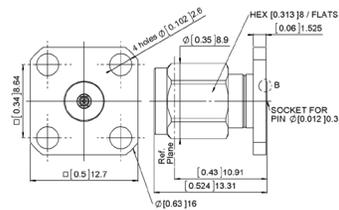


FIG. 1

PART NUMBER	FIG.	NOTES
R327.430.000	1	With Additional Glass Bead Dia 0.3

2-HOLE FLANGE JACK RECEPTACLE

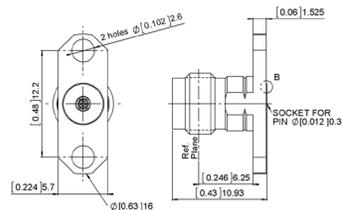


FIG. 1

PART NUMBER	FIG.	NOTES
R327.465.000	1	With Additional Glass Bead Dia 0.3

Notes

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We advance the design and engineering process for innovators, ground-breakers and pioneers of technology. We reduce weight, improve durability and streamline installation to provide leading-edge connectors that drive product performance.

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