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Titre / Title

HIGH RELIABILITY

RF COAXIAL CONNECTORS

**LIST OF PART NUMBERS FOR ALL
DETAIL SPECIFICATIONS**

RAD-DET-CONN-0XX

Rédigé par / Written by	Responsabilité / Responsibility	Date	Signature
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DOCUMENTATION CHANGE NOTICE

REVISION OR ISSUE	DATE	CHANGE
1 -	17/04/07	First issue
1 A	25/05/07	Added new references in §13.1 and §17.1
1 B	19/06/07	Added new reference in §3.1
1 C	06/07/07	Added new reference in §1.1, §2.1, §13.1 and §17.1
1 D	17/09/07	Added new reference in § 2.1, §13.1, §17.1
1 E	14/12/07	Added new reference in § 2.1
1 F	29/05/08	Added new reference in § 2.1
1 G	23/06/08	Added new reference in § 3.1
1 H	22/08/08	Added new reference in § 2.1
1 J	01/12/08	Added new reference in § 2.1
1 K	14/01/09	Added new reference in § 2.1
1 L	11/02/09	Added new reference in § 2.1 – 6.1
1 M	17/03/09	Added new reference in § 2.1
1 N	26/05/09	Added new reference in §13.1
1 O	26/01/10	Added new reference in § 5.1
1 P	28/09/10	Added new reference in § 13.1
1 Q	28/09/10	Added new reference in § 13.1
1 R	24/12/13	Added new §18 for SMP connectors + add new references for all paragraphs.
1S	07/01/19	Added new references



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1. DETAIL SPECIFICATION FOR SMA MALE CONNECTORS: RAD-DET-CONN-002

1.1 List of part numbers with applicable power Handling Category

PART NUMBERS	DESIGNATION	POWER HANDLING CATEGORY
R125052000X	SMA Straight Plug Solder Type Cable 0.085"	III
R125052500X	SMA Straight Plug Solder Type Cable 0.085" – Removable cap	III
R125052509X	SMA Straight Plug Solder Type Cable 0.085" – Removable cap	III
R125053900X	SMA Straight Plug Crimp Type Cable 0.141"	I
R125055500X	SMA Straight Plug Solder Type Cable 0.141" – Removable cap	I
R125055509X	SMA Straight Plug Solder Type Cable 0.141" – Removable cap	I
R125055702X	SMA Straight Plug Solder Type Cable 0.141"	I
R125072000X	SMA Straight Plug Crimp Type Cable 2.6/50	III
R125073500X	SMA Straight Plug Crimp Type Cable 50CIS 2/50	III
R125153000X	SMA Right Angle Plug Solder Type Cable 0.085"	III
R125153004X	SMA Right Angle Plug Solder Type Cable 0.085"	III
R125154010X	SMA Right Angle Plug Solder Type Cable 0.141"	I
R125172000X	SMA Right Angle Plug Crimp or Solder Type Cable 2.6/50	III
R125430001X	SMA Square Flange Plug Receptacle Universal	I
R125430010X	SMA Square Flange Plug Receptacle Universal Low RF Leakage	I
R125430011X	SMA Square Flange Plug Receptacle Universal Low RF Leakage	I
R125431001X	SMA Square Flange Plug Receptacle Universal With EMI gasket	II
R125444001X	SMA Square Flange Plug Receptacle with cylinder contact –High Temp.	I
R125444040X	SMA Square Flange Plug Receptacle Low RF Leakage, Tab contact	I
R125500001X	SMA Square Flange Plug Receptacle with shoulder tab contact High Temp.	I
R125557031X	SMA Plug thread in receptacle for pin 0.5mm – High Temp.	II
R125676301X	SMA Right Angle Square Flange Plug Receptacle For Filter Coaxial	I
R125676310X	SMA Elbow Square Flange Plug Receptacle captive contact	I
R125852000X	SMA Short Circuit Plug	Not Applicable
R126427104	SMA Straight receptacle for PCB	I
R126791101	SMA Plug receptacle for circulators/isolators	I



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2. DETAIL SPECIFICATION FOR SMA FEMALE CONNECTORS: RAD-DET-CONN-003

2.1 List of part numbers with applicable power Handling Category

PART NUMBERS	DESIGNATION	POWER HANDLING CATEGORY
R125222000X	SMA Straight Jack Solder Type Cable 0.085"	III
R125225000X	SMA Straight Jack Solder Type Cable 0.141"	III
R125225009X	SMA Straight 2 holes Flange Jack Solder Type Cable 0.085"	III
R125225700X	SMA Straight Jack Solder Type Cable 0.141"	III
R125272000X	SMA Square Flange Jack receptacle for crimp or solder type for cable 2.6/50S	I
R125313120X	SMA Female Straight Bulkhead Mount Flange Braid Only 2.6/50S	I
R125325000X	SMA Straight Bulkhead Jack Panel Seal Solder Type Cable 0.141"	I
R125325009X	SMA Straight Bulkhead Jack Panel Seal Solder Type Cable 0.141"	I
R125326000X	SMA Straight Bulkhead Jack Panel Seal Solder Type Cable 0.085"	III
R125403000X	SMA Square Flange Jack Receptacle With Solder Pot Contact	I
R125403001X	SMA Square Flange Jack Receptacle With Solder Pot Contact	I
R125405301X	SMA Square Flange Jack Receptacle For Coaxial Filter	I
R125405321X	SMA Square Flange Jack Receptacle For Coaxial Filter	I
R125405331X	SMA Square Flange Jack Receptacle For Coaxial Filter	I
R125409030X	SMA Square Flange with High temperature resin	II
R125410004X	SMA Square Flange Jack Receptacle Universal	I
R125410110X	SMA Square Flange Jack receptacle low RF leakage	I
R125410111X	SMA Square Flange Jack Receptacle	I
R125411000X	SMA Square Flange Jack Receptacle With EMI Gasket	I
R125411400X	SMA Square Flange Jack Receptacle For 0.011 diam With EMI Gasket + Glass Bead	II
R125414201X	SMA Adjustable Square Flange Jack Receptacle With Cylindrical Contact	I
R125414441X	SMA Adjustable Square Flange Jack Receptacle With Cylindrical Contact	I
R125414451X	SMA Adjustable Square Flange Jack Receptacle With Cylindrical Contact	I
R125415000X	SMA Adjustable Square Flange Jack Receptacle With Cylindrical Contact	I
R125415071X	SMA Adjustable Square Flange Jack Receptacle With Cylindrical Contact	I
R125415091X	SMA Adjustable Square Flange Jack Receptacle With Cylindrical Contact	I
R125415270X	SMA Adjustable Square Flange Jack Receptacle With Cylindrical Contact	I
R125415820X	SMA Adjustable Square Flange Jack Receptacle With Cylindrical Contact	I
R125415850X	SMA Adjustable Square Flange Jack Receptacle With Cylindrical Contact	I
R125426000X	SMA Straight Jack Receptacle for PCB Solder Legs	I
R125451240X	SMA 2 Holes Flange Jack Receptacle 45° Turn Pin	I
R125460000X	SMA Two holes Flange Jack receptacle for 0.93mm	I
R125462001X	SMA Two Holes Flange Jack Receptacle with Tab contact	I
R125465001X	SMA Two Holes Flange Jack Receptacle With EMI Gasket for 0.3mm Diam	II
R125465581X	SMA Square Flange - High temperature	II
R125501000X	SMA Square Flange Jack Receptacle for Stripline (Shoulder Tab Contact)	I
R125501001X	SMA Square Flange Jack Receptacle for Stripline (Shoulder Tab Contact)	I
R125512000X	SMA Square Flange Jack Receptacle for Stripline (Shoulder Contact)	I
R125553000X	SMA Bulkhead Jack Receptacle Rear Mounting With Solder Pot Contact	I
R125556001X	SMA Bulkhead Jack Receptacle Universal for 0.3mm Axe	II
R125556021X	SMA Bulkhead Jack Receptacle Universal for 0.3mm Axe	II
R125556061X	SMA Bulkhead Jack Receptacle Universal for 0.3mm Axe	II
R125560021X	SMA Screw Jack on Receptacle	I
R125560060X	SMA Bulkhead Jack Receptacle Screw in BulkheadSMA Screw Hermetic Jack	I
R125605040X	Receptacle	III
R125609000X	SMA Screw Hermetic Jack Receptacle With Cylindrical Contact	III
R125609100X	SMA Screw Hermetic Jack Receptacle With Cylindrical Contact (R125609000X+ 52451101066)	III
R125609120X	SMA Screw Hermetic Jack Receptacle With Cylindrical Contact	III
R125609130X	SMA Screw Hermetic Jack Receptacle With Cylindrical Contact	III
R125612120X	SMA Square Flange Jack Receptacle With Tab Contact	I
R125612140X	SMA Square Flange Jack Receptacle With Tab Contact – Low RF Leakage	I
R125614061X	SMA Square Flange Jack Receptacle With Slotted Contact	I
R125617140X	SMA Two Holes Flange Jack Receptacle Low RF Leakage, Tab Contact	I
R125622000X	SMA Square Flange Jack Receptacle With Tab Contact	I



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PART NUMBERS	DESIGNATION	POWER HANDLING CATEGORY
R125622000X	SMA Square Flange Jack Receptacle With Tab Contact	I
R125630140X	SMA Hermetic Jack Receptacle Solder type	II
R125650021X	SMA Right Angle Square Flange Jack Receptacle	I
R125650031X	SMA Right Angle Square Flange Jack Receptacle	I
R125650041X	SMA Right Angle Square Flange Jack Receptacle	I
R125650201X	SMA Right Angle Square Flange Jack Receptacle With Cylindrical Contact	I
R125654400X	SMA Right Angle Square Flange Jack Receptacle With Cylindrical Contact	I
R125654450X	SMA Right Angle Square Flange Jack Receptacle With Cylindrical Contact	I
R125670000X	SMA Right Angle Square Flange Jack Receptacle	I
R125670001X	SMA Right Angle Square Flange Jack Receptacle	I
R125670100X	SMA Right Angle Square Flange Jack Receptacle, captive contact – High Temp.	I
R125680000X	SMA Right Angle Square Flange Jack Receptacle for PC	I
R126427104	SMA Straight Jack receptacle for printed circuit board	I
R126454031	SMA Square Flange Jack receptacle with venting hole	I
R126560404	SMA Bulkhead receptacle for auxiliary contact	I
R126790101	SMA receptacle for circulators/isolators	I

3. DETAIL SPECIFICATION FOR SMA ADAPTORS CONNECTORS: RAD-DET-CONN-004

3.1 List of part numbers with applicable power Handling Category

PART NUMBERS	DESIGNATION	POWER HANDLING CATEGORY
R125703004X	SMA Male Male Adapter	I
R125704000X	SMA Male Female Adapter	I
R125704001X	SMA Male Female Adapter	I
R125704009X	SMA Male Female Adapter	I
R125704701X	SMA Male Female Adapter	I
R125705001X	SMA Female Female Adapter	I
R125705701X	SMA Female Female Adapter	I
R125720000X	SMA Female Female Bulkhead Adapter	I
R125720001X	SMA Female Female Bulkhead Adapter	I
R125720121X	SMA Straight Bulkhead Adaptor Female/Female (DC-22GHz) – High temp	I
R125753000X	SMA Female Female Bulkhead Adapter Hermetic	II
R125771000X	SMA Right Angle Male Female Adapter	I
R125771361X	SMA Right Angle Male Female Adapter (DC-22GHz)	I
R125780000X	SMA TEE Female-Female /Male Adapter	I
R125812001X	SMA Male Protective Cap with Chain	Not Applicable

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4. DETAIL SPECIFICATION FOR SMA2.9 MALE CONNECTORS: RAD-DET-CONN-005

4.1 List of part numbers with applicable power Handling Category

PART NUMBERS	DESIGNATION	POWER HANDLING CATEGORY
R127 800 001X	SMA2.9 Straight Plug, Solder Type, for Microporous Semi-Rigid Cable \varnothing 2.20mm (0.085")	III
R127 800 101X	SMA2.9 Straight Plug, Solder Type, for Microporous Semi-Rigid Cable \varnothing 3.58mm (0.141")	I
R127 844 001X	SMA2.9 Male Thread-in Receptacle	III
R127 845 001X	SMA2.9 Square Flange Plug Receptacle for axis 0.3mm	III
R127 846 001X	SMA2.9 Two Holes Flange Plug Receptacle for axis 0.3mm	III

5. DETAIL SPECIFICATION FOR SMA2.9 FEMALE CONNECTORS: RAD-DET-CONN-006


5.1 List of part numbers with applicable power Handling Category

PART NUMBERS	DESIGNATION	POWER HANDLING CATEGORY
R127 820 001X	SMA2.9 Straight Jack, Solder Type, for Microporous Semi-Rigid Cable \varnothing 2.20mm (0.085")	III
R127 820 101X	SMA2.9 Straight Jack, Solder Type, for Microporous Semi-Rigid Cable \varnothing 3.58mm (0.141")	I
R127 840 021X	SMA2.9 Adjustable Square Flange Jack Receptacle with cylindrical contact	I
R127 841 001X	SMA2.9 Screw Jack Receptacle for 0.,3 mm dia. Pin	III
R127 842 001X	SMA2.9 Square Flange Jack Receptacle for 0.3mm dia. Pin	III
R127.843.101X	SMA2.9 Two Holes Flange jack receptacle for 0.3mm dia pin	III

6. DETAIL SPECIFICATION FOR SMA2.9 ADAPTORS CONNECTORS: RAD-DET-CONN-007

6.1 List of part numbers with applicable power Handling Category

PART NUMBERS	DESIGNATION	POWER HANDLING CATEGORY
R127 870 001X	SMA2.9 Straight Female-Female Adapter	I
R127 871 001X	SMA2.9 Straight Male-Male Adapter	I
R127 872 001X	SMA2.9 Straight Male-Female Adapter	I
R127 873 001X	SMA2.9 Female-Female Adapter Square four holes fixing	I
R127 880 001X	SMA2.9 Right Angle Male Male Adaptor	I
R127 881 001X	SMA2.9 Right Angle Female Female Adaptor	I
R127 882 001X	SMA2.9 Right Angle Male Female Adaptor	I

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7. DETAIL SPECIFICATION FOR SSMA MALE CONNECTORS: RAD-DET-CONN-009

7.1 List of part numbers with applicable power Handling Category

PART NUMBERS	DESIGNATION	POWER HANDLING CATEGORY
R121.053.500X	SSMA Plug Solder Type Semi-Rigid Cable .085 Removable Coupling Nut	II
R121.072.000X	SSMA Straight Plug Crimp Type Cable 2.6/50	I
R121.153.000X	SSMA Right Angle Plug Solder Type S.R. Cable .085	II
R121.153.030X	SSMA Right Angle Plug Solder Type S.R. Cable .085	II

8. DETAIL SPECIFICATION FOR SSMA FEMALE CONNECTORS: RAD-DET-CONN-010


8.1 List of part numbers with applicable power Handling Category

PART NUMBERS	DESIGNATION	POWER HANDLING CATEGORY
R121.414.003X	SSMA Square flange receptacle	III
R121.414.004X	SSMA Square flange receptacle	III
R121.417.009X	SSMA Square flange receptacle for strip line	III
R121.462.001X	SSMA Two holes flange receptacle for strip line	III
R121.464.010X	SSMA Two holes flange receptacle for strip line	III
R121.602.200X	SSMA Hermetically sealed jack flange receptacle	I
R121.630.104X	SSMA Female Straight Solder Mount Hermetic – Not assembled	I
R121.630.120X	SSMA Female Straight Solder Mount Hermetic - Assembled	I

9. DETAIL SPECIFICATION FOR SSMA ADAPTORS CONNECTORS: RAD-DET-CONN-011

9.1 List of part numbers with applicable power Handling Category

PART NUMBERS	DESIGNATION	POWER HANDLING CATEGORY
R121.703.000X	SSMA Male-Male Adaptor	III
R121.704.000X	SSMA Male- Female Adaptor	III
R121.704.004X	SSMA Male- Female Adaptor	III

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10. DETAIL SPECIFICATION FOR N ADAPTORS CONNECTORS: RAD-DET-CONN-012

10.1 List of part numbers with applicable power Handling Category

PART NUMBERS	DESIGNATION	POWER HANDLING CATEGORY
R163703001X	N Male Male Adaptor	I
R163705001X	N Female Female Adaptor	I

11. DETAIL SPECIFICATION FOR SMC MALE CONNECTORS: RAD-DET-CONN-013

11.1 List of part numbers with applicable power Handling Category

PART NUMBERS	DESIGNATION	POWER HANDLING CATEGORY
R112005000X	SMC Straight plug clamp type, cable 2.6 / 50	I

12. DETAIL SPECIFICATION FOR TNC MALE CONNECTORS: RAD-DET-CONN-014

12.1 List of part numbers with applicable power Handling Category

PART NUMBERS	DESIGNATION	POWER HANDLING CATEGORY
R143051710X	TNC Straight plug for semi-rigid cable .141	I
R143068234X	TNC Straight plug for .250 cable microporous	IV
R143068244X	TNC Straight plug for .250 cable microporous (amagnetic version)	IV
R143198234X	TNC Right angle plug for .250 cable microporous	IV
R143443601	TNC Square Flange plug receptacle high power– venting hole	IV
R143446671	TNC Square Flange plug receptacle high power– venting hole	IV
R143446681	TNC Square Flange plug receptacle high power– venting hole	IV
R143449661	TNC Square Flange plug receptacle high power– venting hole	V

13. DETAIL SPECIFICATION FOR TNC FEMALE CONNECTORS: RAD-DET-CONN-015

13.1 List of part numbers with applicable power Handling Category

PART NUMBERS	DESIGNATION	POWER HANDLING CATEGORY
R143410600	TNC Square flange jack receptacle high power	IV
R143410610	TNC Square Flange jack receptacle high power – venting hole	V
R143410611	TNC Square Flange jack receptacle high power – venting hole	V
R143410621	TNC Square Flange jack receptacle high power – venting hole	V
R143410631	TNC Square Flange jack receptacle high power – venting hole	V
R143410651	TNC Square Flange jack receptacle high power – venting hole	V
R413610661	TNC Square Flange jack receptacle high power – venting hole	V
R143410670	TNC Square Flange jack receptacle high power – venting hole	V
R143413644	TNC Square flange jack receptacle high power with venting holes	V
R143413691	TNC Square flange jack receptacle high power (all connectors with a date code lower than 07-32)	IV
	TNC Square flange jack receptacle high power with venting holes (for connectors from date code of 07-32)	V
R143413711	TNC Square Flange Jack receptacle with shoulder pin – high power – venting hole	V
R143413721	TNC Square Flange Jack receptacle with shoulder pin – high power – venting hole	V
R143413731	TNC Square Flange Jack receptacle high power – venting hole	V
R143414601	TNC Square flange jack receptacle high power with venting holes	V
R143414614	TNC Square flange jack receptacle high power with venting holes (Amagnetic type)	V
R143414621	TNC Square flange jack receptacle high power with venting hole	V
R143414631	TNC Square flange jack receptacle high power with venting hole	V
R143414641	TNC Square flange jack receptacle high power with venting hole	V
R143414661	TNC Square flange jack receptacle high power with venting hole	V



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PART NUMBERS	DESIGNATION	POWER HANDLING CATEGORY
R143414671	TNC Square flange jack receptacle high power with venting hole	IV
R143414681	TNC Square flange jack receptacle high power with venting hole	V
R143414691	TNC Square flange jack receptacle high power with venting hole	V
R143415644	TNC Square flange jack receptacle	IV
R143416641	TNC Square Flange jack receptacle high power – venting hole	IV
R143654601	TNC Right Angle Square Flange jack receptacle high power – venting hole	IV

14. DETAIL SPECIFICATION FOR TNC ADAPTORS CONNECTORS: RAD-DET-CONN-016

14.1 List of part numbers with applicable power Handling Category

PART NUMBERS	DESIGNATION	POWER HANDLING CATEGORY
R143703671	TNC Male-Male adaptor (DC-8GHz) high power	IV
R143704671	TNC Female-Female adaptor (DC-8GHz) high power	IV
R143705671	TNC Male-Female adaptor (DC-8GHz) high power	IV
R143710000X	TNC Female-Female square flange Adaptor (DC/ 11GHz)	III
R143710700X	TNC Female-Female square flange Adaptor (DC/ 18GHz)	III
R143753000X	TNC Female-Female hermetic Adaptor bulkhead panel seal	II
R143753604	TNC Female-Female hermetic Adaptor bulkhead panel seal – Very High power (for thermal vacuum chamber flange)	V

15. DETAIL SPECIFICATION FOR SMP CONNECTORS: RAD-DET-CONN-019


15.1 List of part numbers with applicable power Handling Category

PART NUMBERS	DESIGNATION	POWER HANDLING CATEGORY
All	All	I

16. DETAIL SPECIFICATION FOR HERMETIC GLASS BEAD AND ACCESSORIES CONNECTORS: RAD-DET-CONN-020

16.1 List of part numbers with applicable power Handling Category

PART NUMBERS	DESIGNATION	POWER HANDLING CATEGORY
R280151000X	Centre Contact (length 12.70mm)	Not Applicable
R280151030X	Centre Contact (length 16.50mm)	Not Applicable
R280450600	Kit of SMA nut, ring and gasket	Not Applicable
R280460000X	Centre Contact tab length 1.57mm	Not Applicable
R280461200X	Centre Contact tab length 1.57mm	Not Applicable
R280468000X	PTFE insulator (length 3.17mm, diameter 4.08mm)	Not Applicable
R280470000X	Removable contact	Not Applicable
R280751000X	Solder Glass Bead for receptacle screw, pin Ø 0.3mm	Not Applicable
R280751090X	Solder Glass Bead for receptacle screw, pin Ø 0.5mm	Not Applicable
R280751100X	Solder Glass Bead for receptacle screw, pin Ø 0.3mm	Not Applicable
R280751610	Solder Glass Bead for receptacle screw, pin Ø 0.3mm	Not Applicable
R280752600	Solder Glass Bead for receptacle screw, pin Ø 0.3mm	Not Applicable
R280752610	Solder Glass Bead for receptacle screw, pin Ø 0.38mm	Not Applicable
R280760000X	Solder Glass Bead for receptacle screw, pin Ø 0.3mm	Not Applicable
R280996610	TNC Male center contact with flat tab	Not Applicable
R280996640	TNC Male center contact with flat tab	Not Applicable

	DETAIL SPECIFICATION		
	REF. : RAD-LIS-CONN-001		
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17. DETAIL SPECIFICATION FOR 2.4MM MALE CONNECTORS: RAD-DET-CONN-024

17.1 List of part numbers with applicable power Handling Category

PART NUMBERS	DESIGNATION	POWER HANDLING CATEGORY
All	All	I

18. DETAIL SPECIFICATION FOR 2.4MM FEMALE CONNECTORS: RAD-DET-CONN-025

18.1 List of part numbers with applicable power Handling Category

PART NUMBERS	DESIGNATION	POWER HANDLING CATEGORY
All	All	I

19. DETAIL SPECIFICATION FOR INTER-SERIES CONNECTORS: RAD-DET-CONN-027

19.1 List of part numbers with applicable power Handling Category

PART NUMBERS	DESIGNATION	POWER HANDLING CATEGORY
R191348600	SMA Female / SSMA Male Straight adaptor	Figure 1(a) SSMA/SMA
R191356001X	SMA Female / RP SMA Male	Figure 1(a) SSMA/SMA
R191593600	SMA Female /SMP Lock Male Limited Detent Straight Narrow Flange adaptor	Figure 1(a) SMPL
R191594012X	SMA Male / SMP Lock Male Limited Detent Straight adaptor	Figure 1(a) SMPL
R191594022X	SMA Male / SMP Lock Male Limited Detent Straight adaptor	Figure 1(a) SMPL
R191596010X	SMA Female / SMP Lock Female adaptor	Figure 1(a) SMPL
R191596020X	SMA Female / SMP Lock Female adaptor	Figure 1(a) SMPL
R191658600	SMP Lock Male Limited Detent / SMP Male Full detent 2 Hole Flange straight adaptor	Figure 1(a) SMP
R191843611	SMA Female / SMP Male Full Detent Hole Flange straight adaptor	Figure 1(a) SMP
R191970601	SMA2.9 Female / 2.4mm Male Straight adaptor	Figure (a) 2.4mm