

2.4 mm RF CONNECTOR

RF coaxial connector, supports up to 50 GHz

2.4mm connector series는 외곽 두께 및 contact pin의 강도증가를 통해 SMA와 2.92mm connector 대비 견고한 구조로 설계되었음.

변환 Adapter부터 Board실장 Adapter까지, 다양한 Line-up을 제공.

Impedance	50 ohm
Frequency Range	Up to 50 GHz
Durability	500 cycles Min.



2.4 mm RF CONNECTOR CONVERSION ADAPTER PLUG TO PLUG



VSWR (DC~50GHz) : 1.2 Max.

Insulation resistance : 5,000M Ω Min.

Dielectric withstanding voltage : 500 Vrms Min.

Center contact resistance : 4 m Ω Max.

Outer contact resistance : 2.5 m Ω Max.

Durability : 500 cycles Min.

2.4 mm RF CONNECTOR CONVERSION ADAPTER JACK TO JACK



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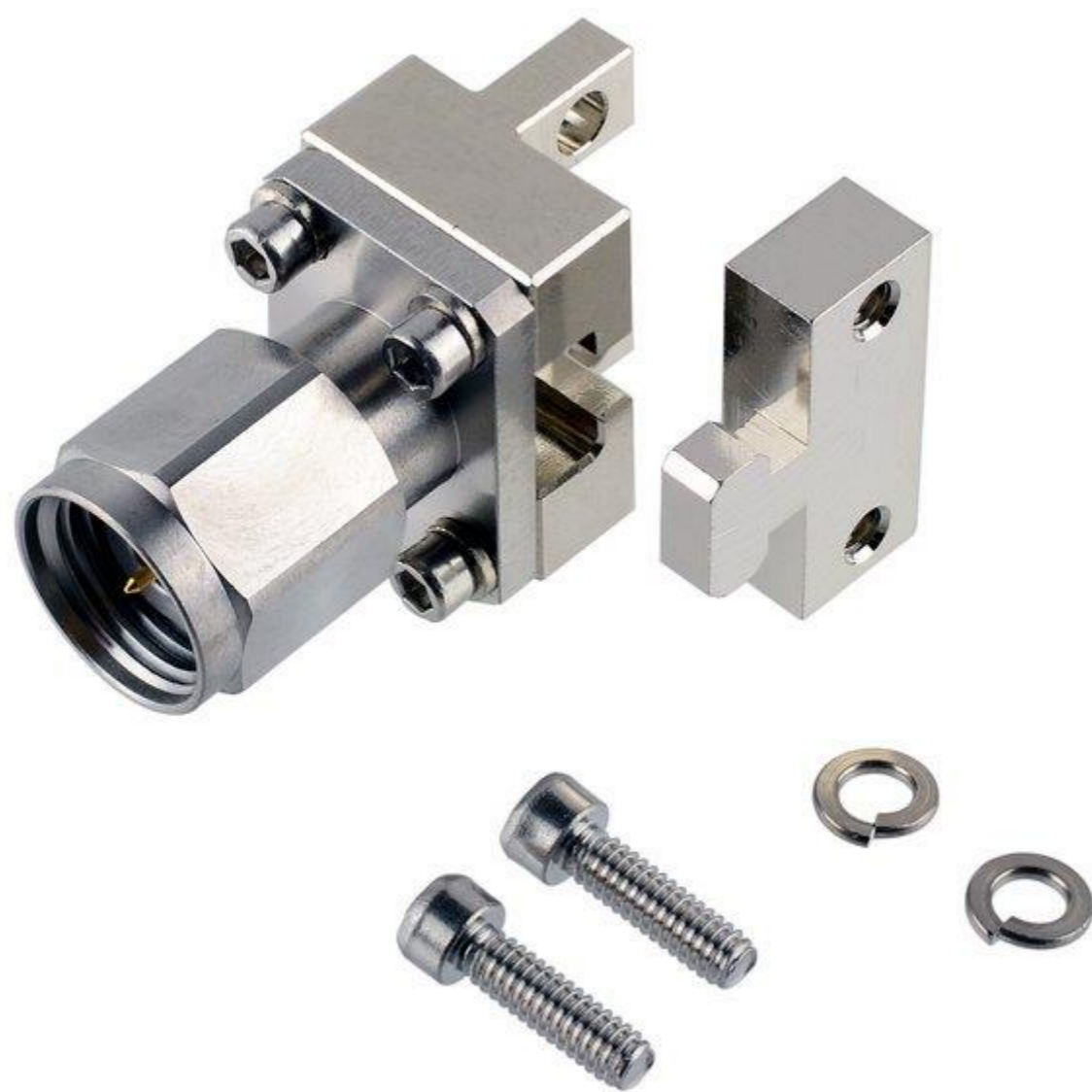
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Impedance	50 ohm
Frequency Range	Up to 50 GHz
Durability	500 cycles Min.



2.4 mm RF CONNECTOR END LAUNCH ADAPTER FOR PCB (PLUG)



VSWR (DC~50GHz) : 1.5 Max.

Insulation resistance : 5,000M Ω Min.

Dielectric withstanding voltage : 500 Vrms Min.

Center contact resistance : 6 m Ω Max.

Outer contact resistance : 2.5 m Ω Max.

Durability : 500 cycles Min.

2.4 mm RF CONNECTOR END LAUNCH ADAPTER FOR PCB (JACK)



VSWR (DC~50GHz) : 1.5 Max.

Insulation resistance : 5,000M Ω Min.

Dielectric withstanding voltage : 500 Vrms Min.

Center contact resistance : 6 m Ω Max.

Outer contact resistance : 2.5 m Ω Max.

Durability : 500 cycles Min.

2.4 mm RF CONNECTOR ADAPTER FOR PCB (INNER LAYER)



VSWR (DC~50GHz) : 1.5 Max.

Insulation resistance : 5,000M Ω Min.

Dielectric withstanding voltage : 500 Vrms Min.

Center contact resistance : 4 m Ω Max.

Outer contact resistance : 2.5 m Ω Max.

Durability : 500 cycles Min.

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변환 Adapter부터 Board실장 Adapter까지, 다양한 Line-up을 제공.



Impedance	50 ohm
Frequency Range	Up to 50 GHz
Durability	500 cycles Min.

2.4 mm RF CONNECTOR ADAPTER FOR PCB (OUTER LAYER)



VSWR (DC~50GHz) : 1.5 Max.

Insulation resistance : 5,000M Ω Min.

Dielectric withstanding voltage : 500 Vrms Min.

Center contact resistance : 4 m Ω Max.

Outer contact resistance : 2.5 m Ω Max.

Durability : 500 cycles Min.

2.4 mm RF CONNECTOR TERMINATION ADAPTER (PLUG) (Nonreflective terminator)



Return loss : -20 dB Max.

Durability : 500 cycles Min.

2.4 mm RF CONNECTOR TERMINATION ADAPTER (JACK) (Nonreflective terminator)

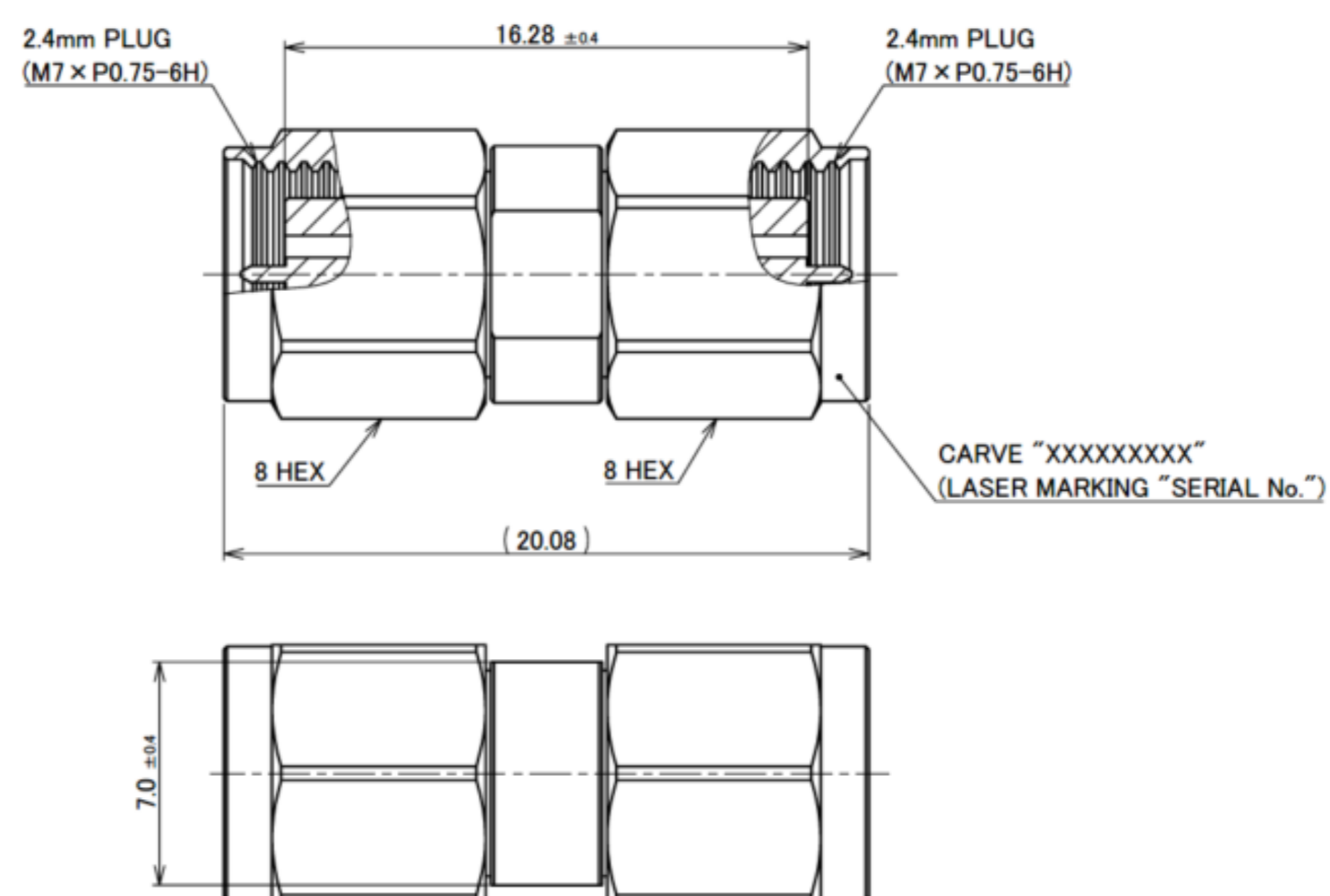


Return loss : -20 dB Max.

Durability : 500 cycles Min.

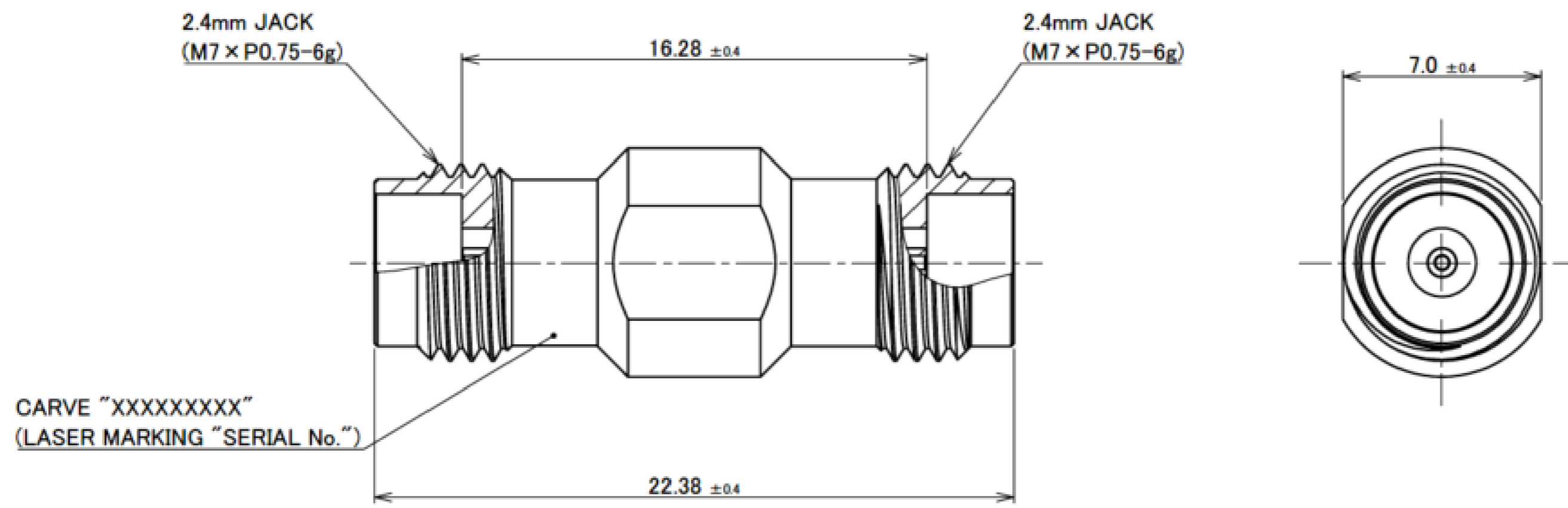
Component Parts Details

Recommended P/N	50201-0001
PART NO.	REMARK
50201-0001	PLUG TO PLUG TYPE



7	SHELL	SUS	PASSIVATED
6	C RING	BERYLLIUM COPPER	-
5	GASKET	SILICONE	RED
4	BODY	SUS	PASSIVATED
3	CONTACT PIN	BERYLLIUM COPPER	Au OVER Ni OVER Cu
2	INSULATOR	ULTEM 1000	AMBER
1	BODY	SUS	PASSIVATED
NO.	DESCRIPTION	MATERIAL	FINISH , REMARKS

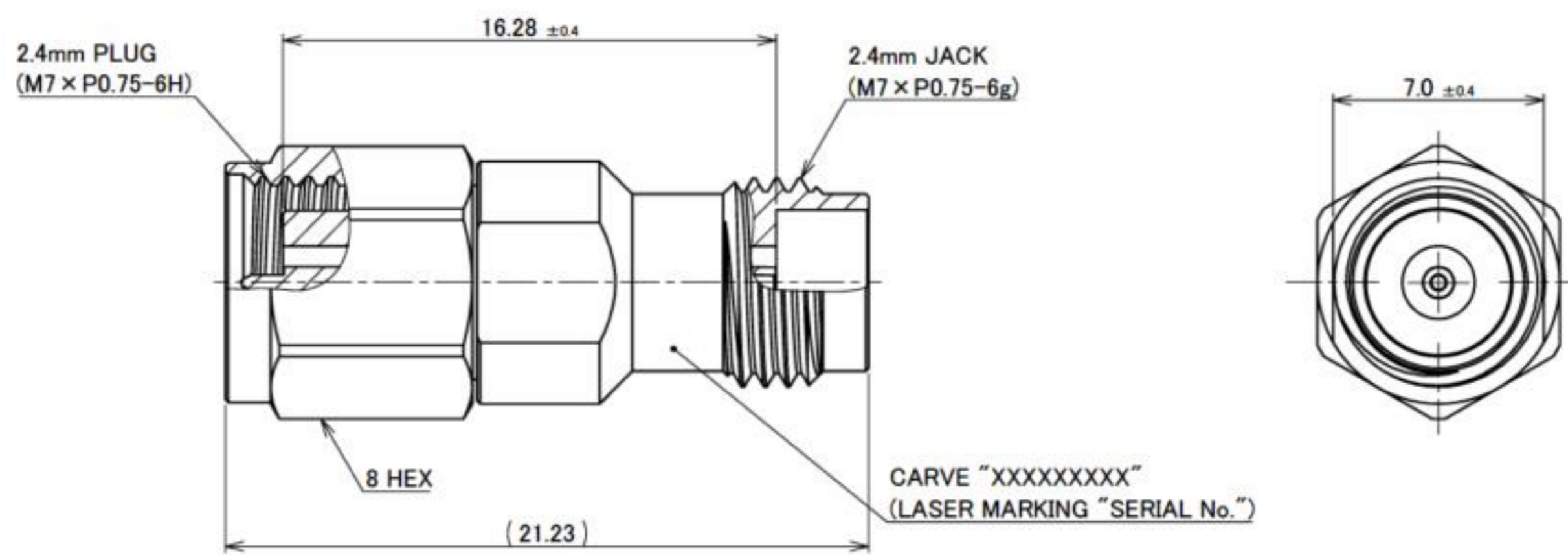
Recommended P/N		50201-JJ01
PART NO.	REMARK	
50201-JJ01	JACK TO JACK TYPE	



4	BODY	SUS	PASSIVATED
3	CONTACT PIN	BERYLLIUM COPPER	Au OVER Ni OVER Cu
2	INSULATOR	ULTEM 1000	AMBER
1	BODY	SUS	PASSIVATED
NO.	DESCRIPTION	MATERIAL	FINISH , REMARKS

Rev.0

Recommended P/N		50201-0J01
PART NO.	REMARK	
50201-0J01	PLUG TO JACK TYPE	



7	SHELL	SUS	PASSIVATED
6	C RING	BERYLLIUM COPPER	-
5	GASKET	SILICONE	RED
4	BODY	SUS	PASSIVATED
3	CONTACT PIN	BERYLLIUM COPPER	Au OVER Ni OVER Cu
2	INSULATOR	ULTEM 1000	AMBER
1	BODY	SUS	PASSIVATED
NO.	DESCRIPTION	MATERIAL	FINISH , REMARKS

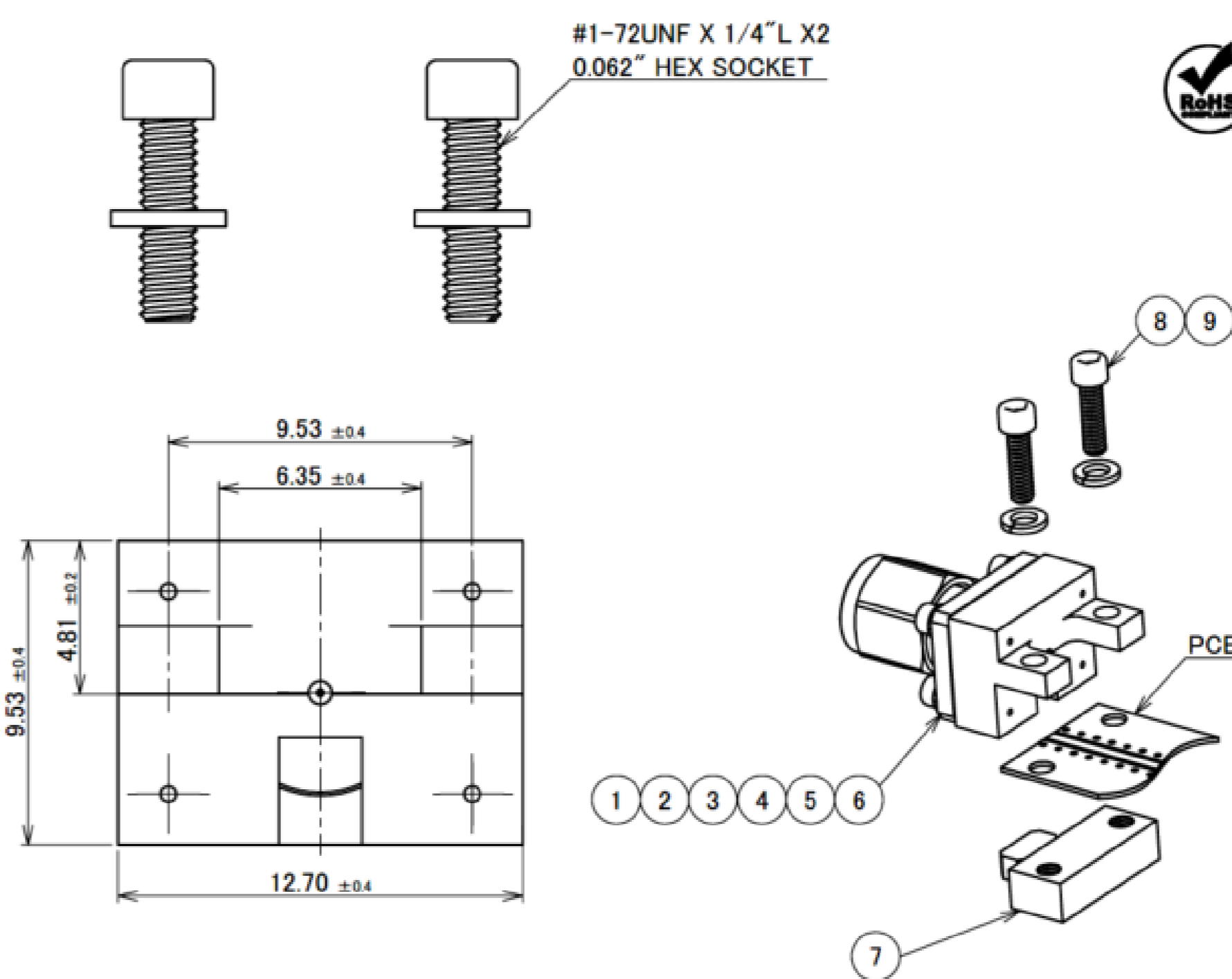
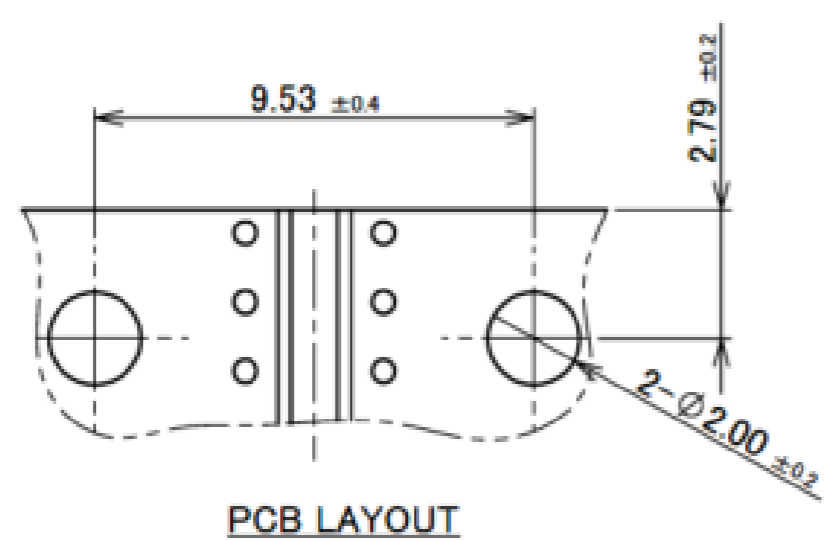
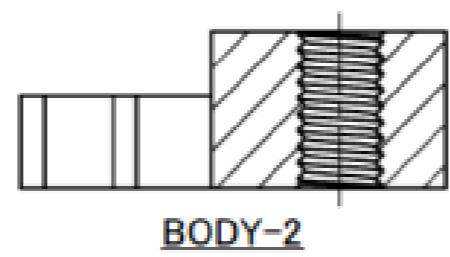
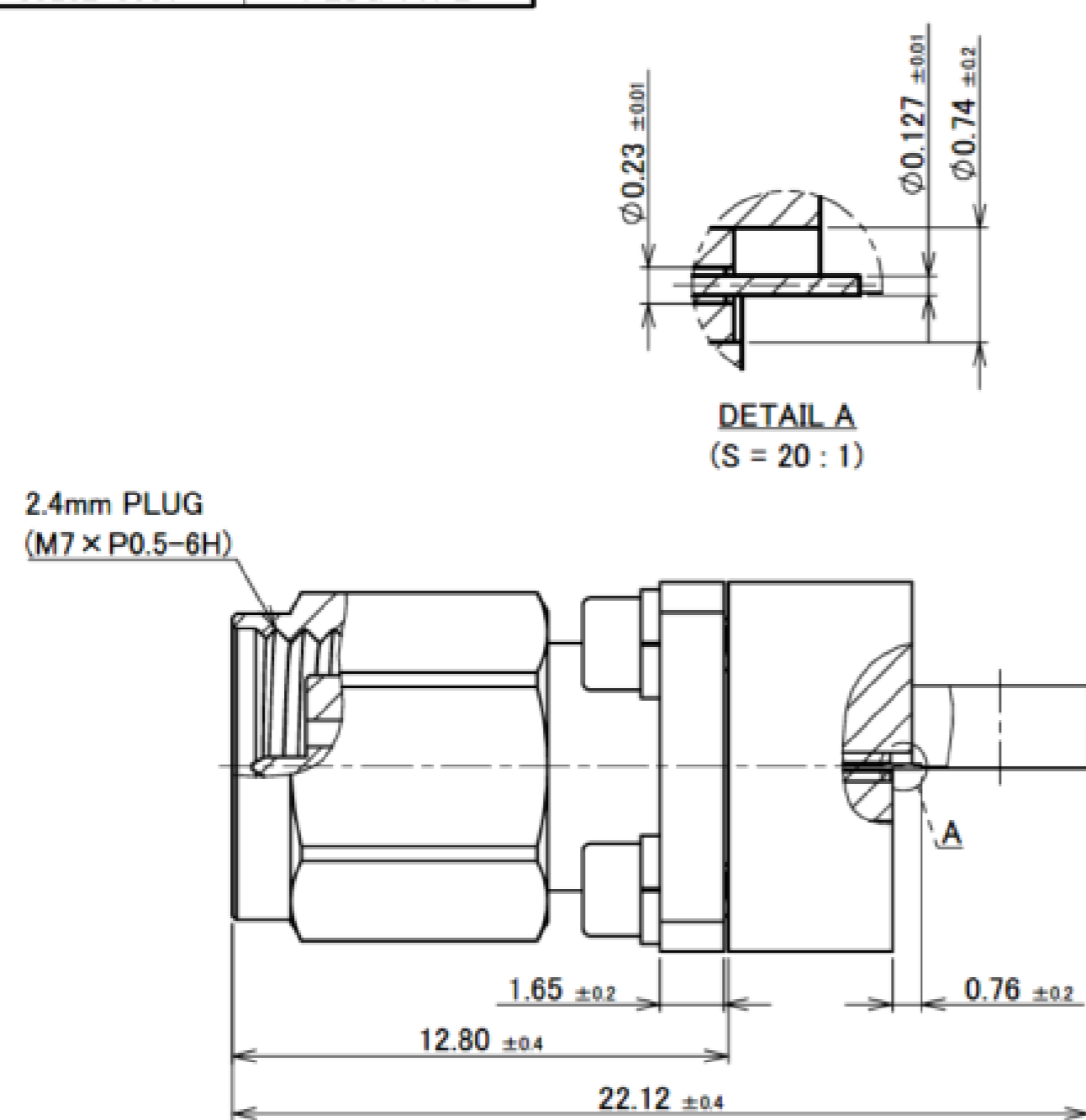
Rev.0

ITEMS	SPECIFICATION		
	50201-0001	50201-0J01	50201-JJ01
PART No.	50201-0001	50201-0J01	50201-JJ01
RATING FREQUENCY	DC ~ 50 GHz		
VSWR	1.2 MAX. AT DC ~ 50 GHz		
INNER CONTACT RESISTANCE	4.0mohm MAX.		
OUTER CONTACT RESISTANCE	2.5mohm MAX.		
INSULATION RESISTANCE	5000 Mohm MIN.		
DIELECTRIC WITHSTANDING VOLTAGE	AC 500 Vrms MIN. 1min		
DURABILITY	500 CYCLES		
PRODUCT SPECIFICATION	PRS-2706		
PACKING STANDARD	PST-21020		
APPEARANCE CRITERIA No.	QLS-A***	QLS-A***	QLS-A***

Rev.0

Recommended P/N 50202-0001

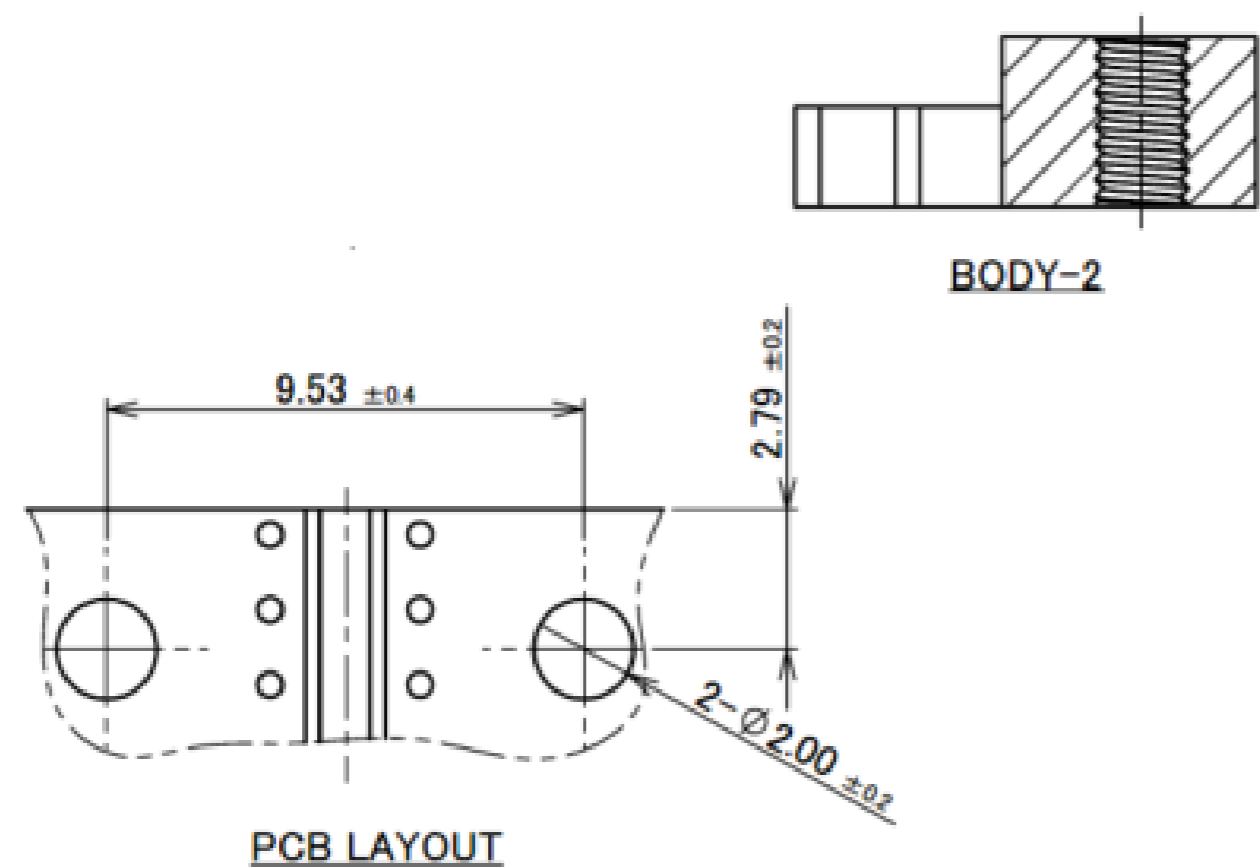
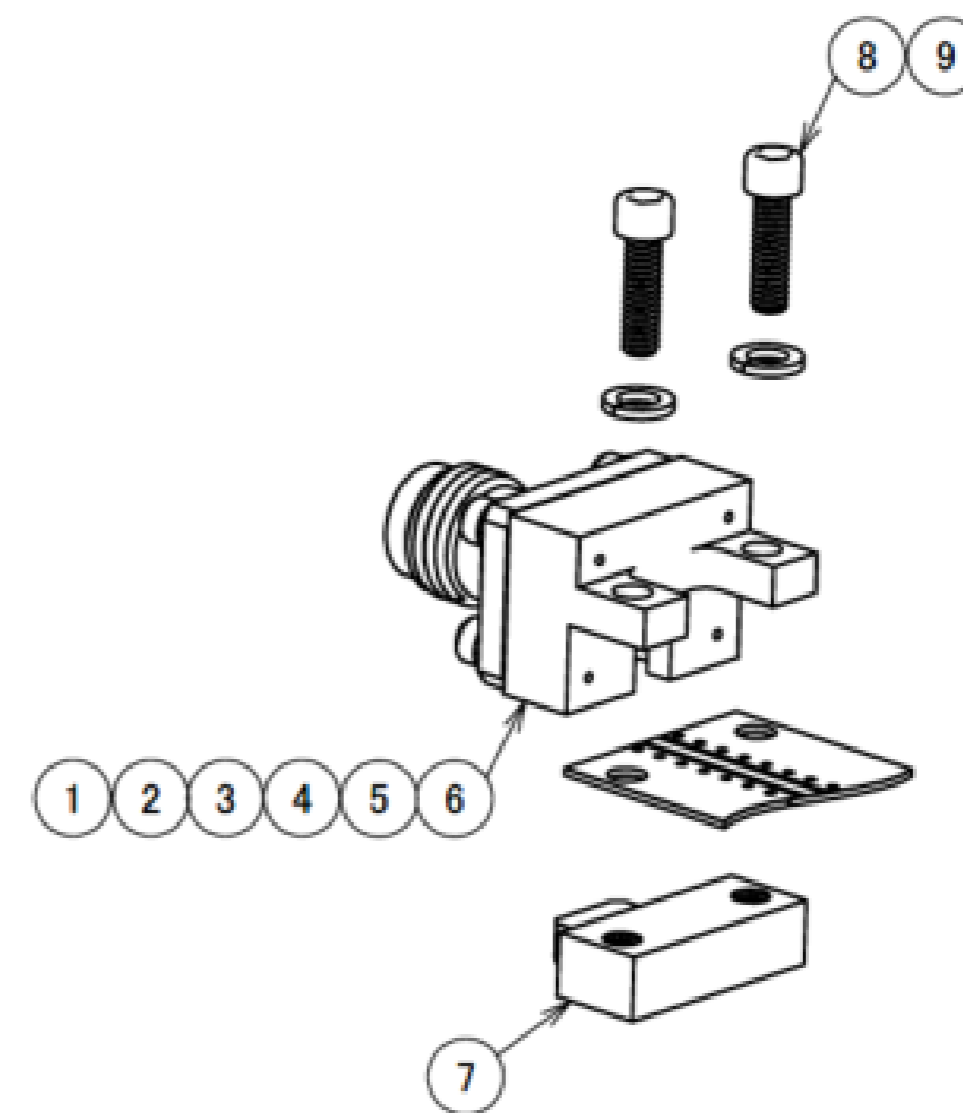
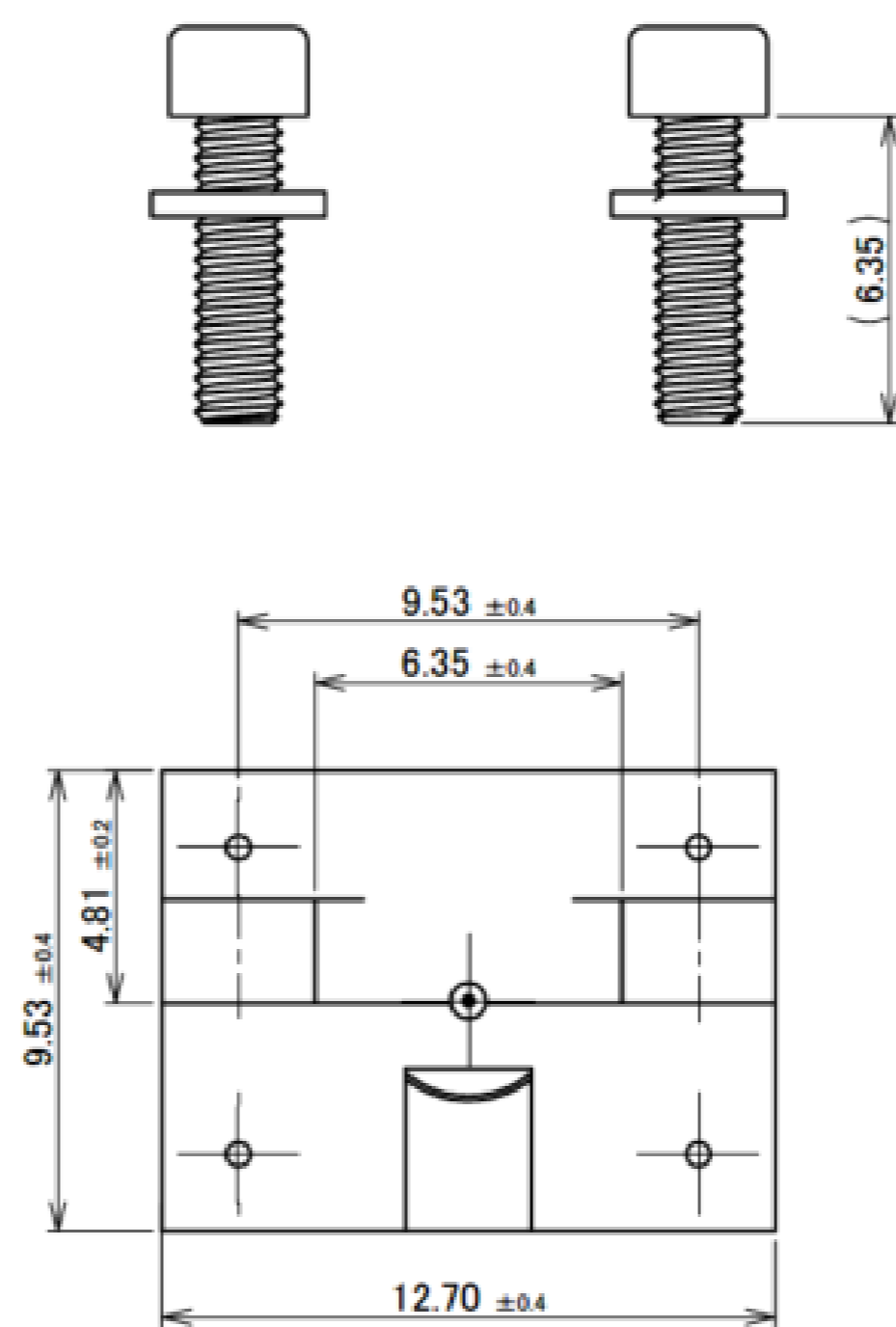
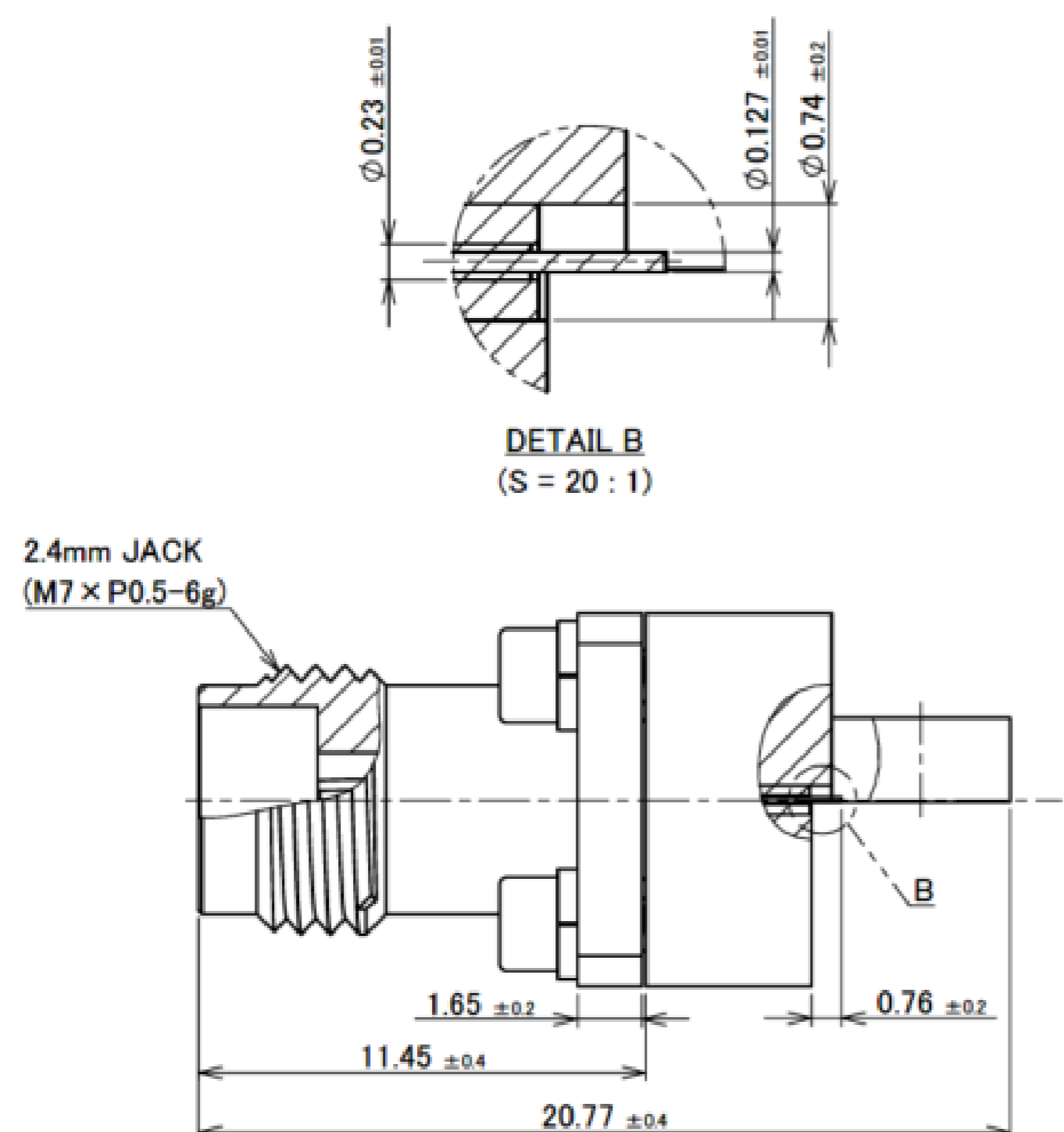
PART NO.	REMARK
50202-0001	PLUG TYPE



NO.	DESCRIPTION	MATERIAL	FINISH , REMARKS
9	BOLT	SUS	-
8	WASHER	SUS	-
7	BODY-2	BRASS	Ni OVER Cu
6	BOLT	SUS	-
5	WASHER	SUS	-
4	CONTACT PIN	BERYLLIUM COPPER	Au OVER Ni OVER Cu
3	INSULATOR	PTFE	WHITE
2	BODY-1	BRASS	Ni OVER Cu
1	CONNECTOR		

Rev.1

Recommended P/N	50202-J001
PART NO.	REMARK
50202-J001	JACK TYPE



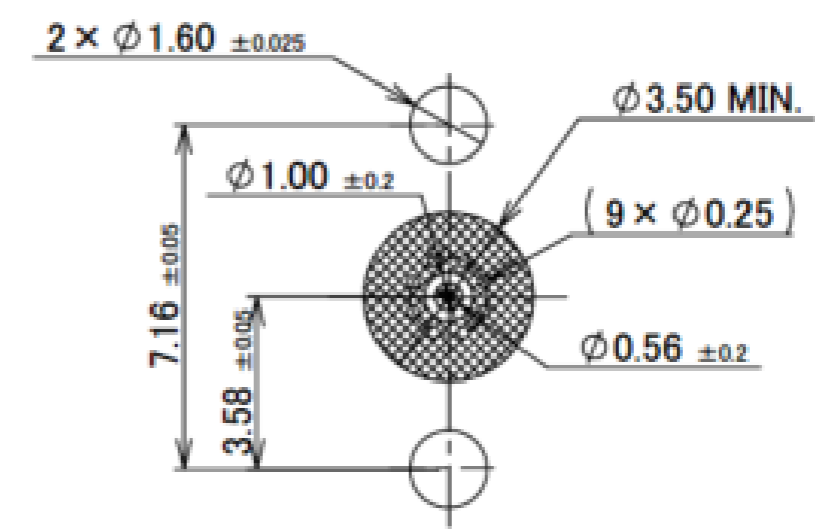
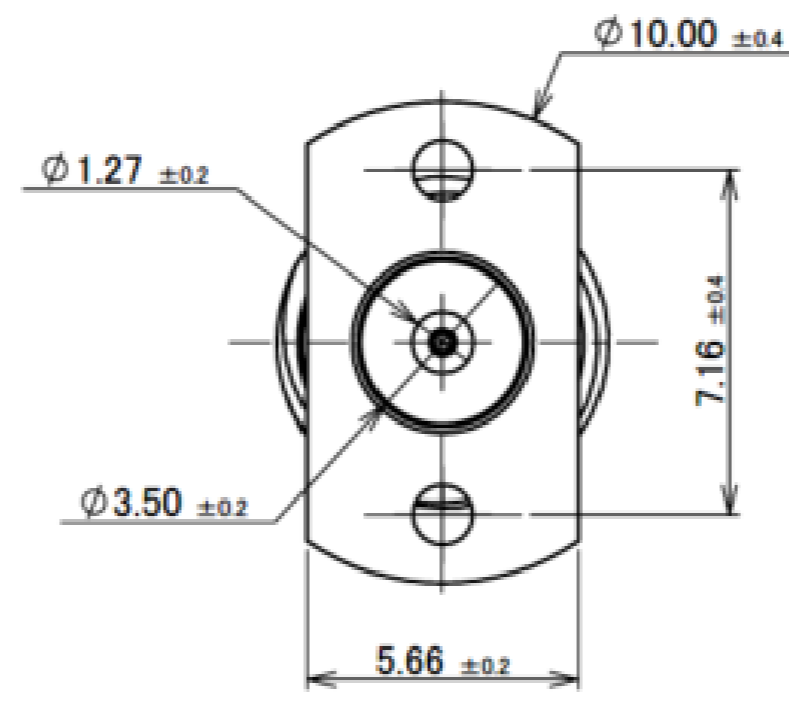
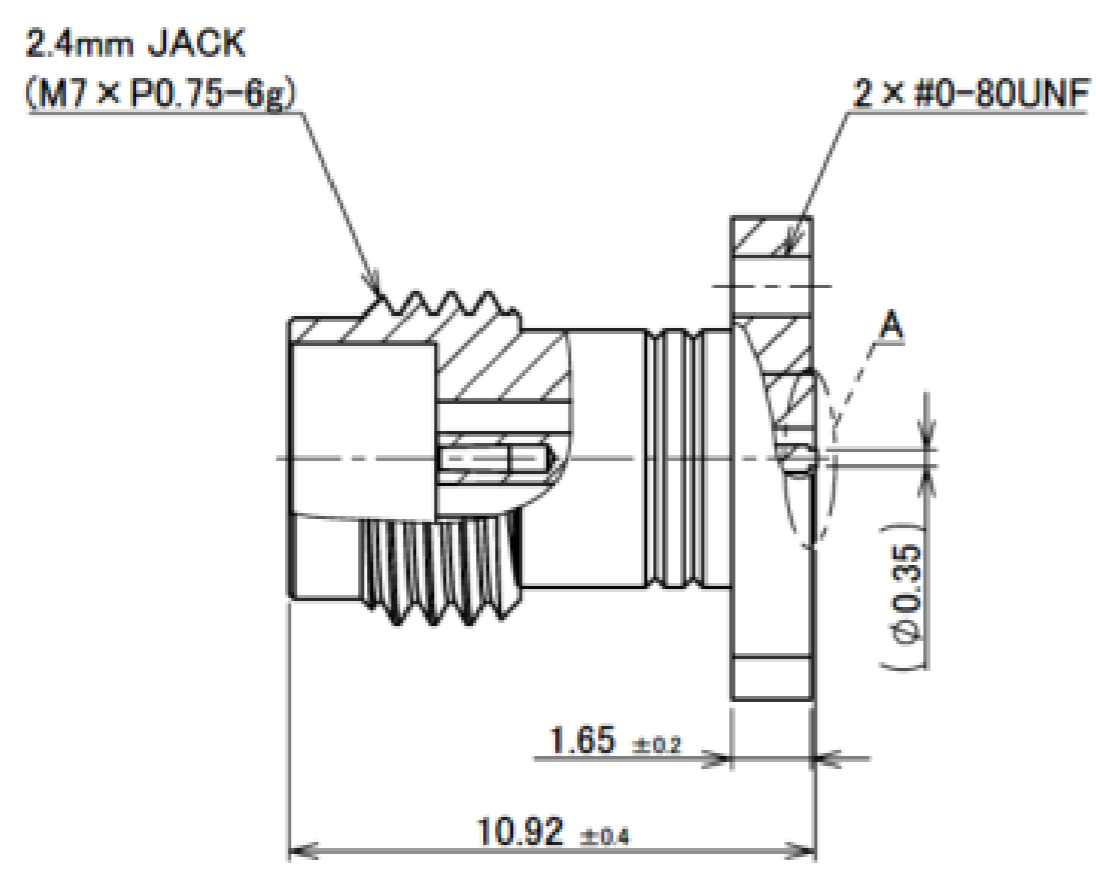
NO.	DESCRIPTION	MATERIAL	FINISH , REMARKS
9	BOLT	SUS	-
8	WASHER	SUS	-
7	BODY-2	BRASS	Ni OVER Cu
6	BOLT	SUS	-
5	WASHER	SUS	-
4	CONTACT PIN	BERYLLIUM COPPER	Au OVER Ni OVER Cu
3	INSULATOR	PTFE	WHITE
2	BODY-1	BRASS	Ni OVER Cu
1	CONNECTOR		-

Rev.1

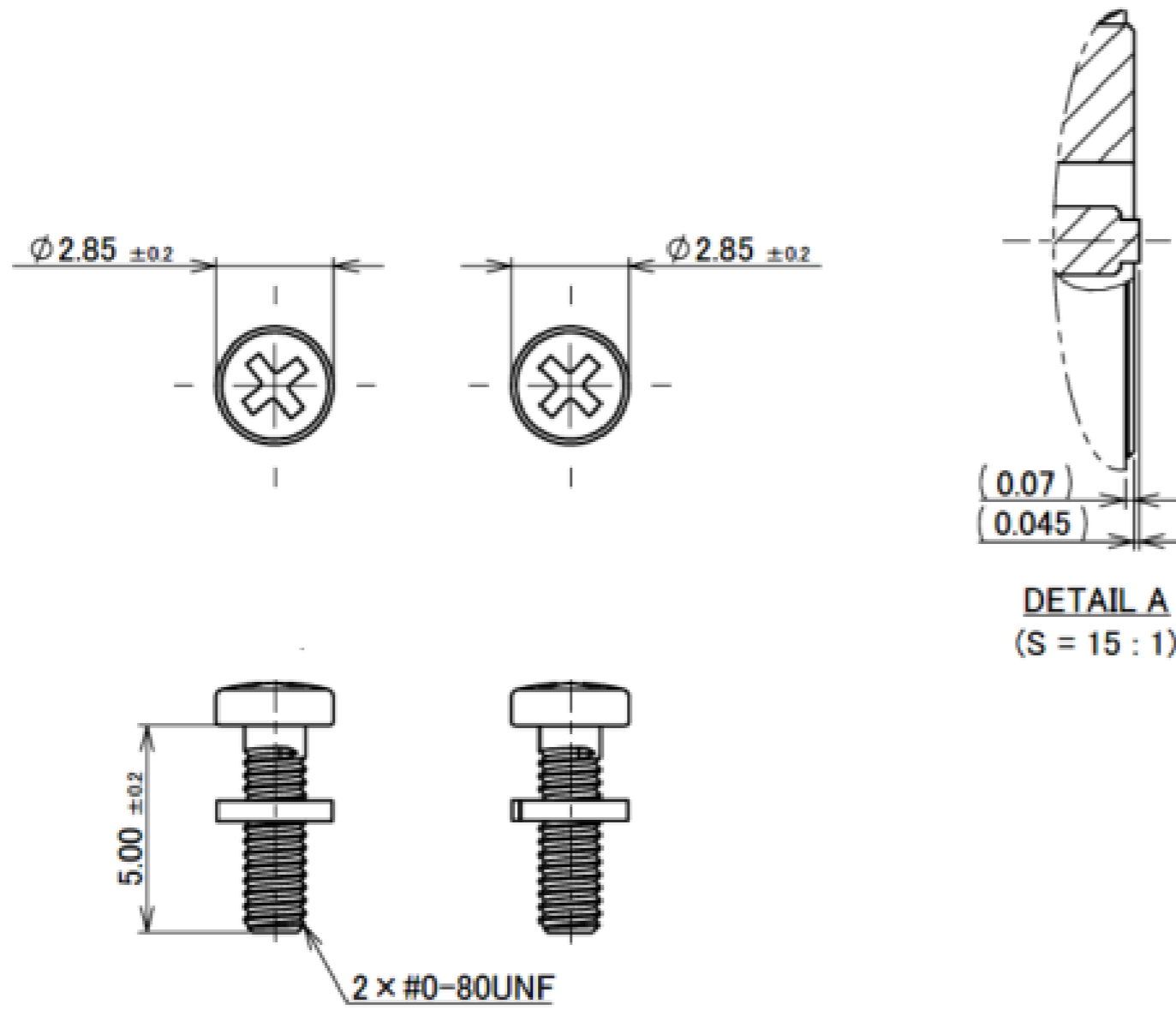
ITEMS	SPECIFICATION	
PART No.	50202-0001	50202-J001
RATING FREQUENCY	DC~50GHz	
VSWR	1.5 MAX. AT DC~50GHz	
INNER CONTACT RESISTANCE	6.0mohm MAX.	
OUTER CONTACT RESISTANCE	2.5mohm MAX.	
INSULATION RESISTANCE	5000Mohm MIN	
DIELECTRIC WITHSTANDING VOLTAGE	AC500V 1min	
DURABILITY	500 CYCLES	
PRODUCT SPECIFICATION	PRS-2707	
PACKING STANDARD	PST-21020	
APPEARANCE CRITERIA No.	QLS-A***	QLS-A***

Rev.1

Recommended P/N	50203-J001
PART NO.	REMARK
50203-J001	INNER LAYER TYPE



RECOMMENDED TOP PCB PATTERN
PCB: R04003C 8mil



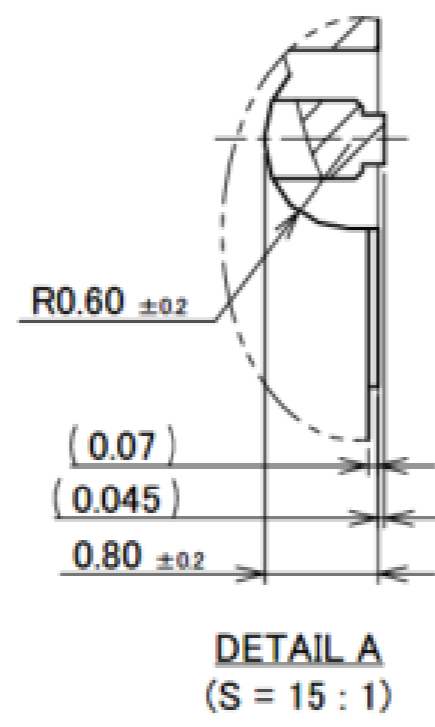
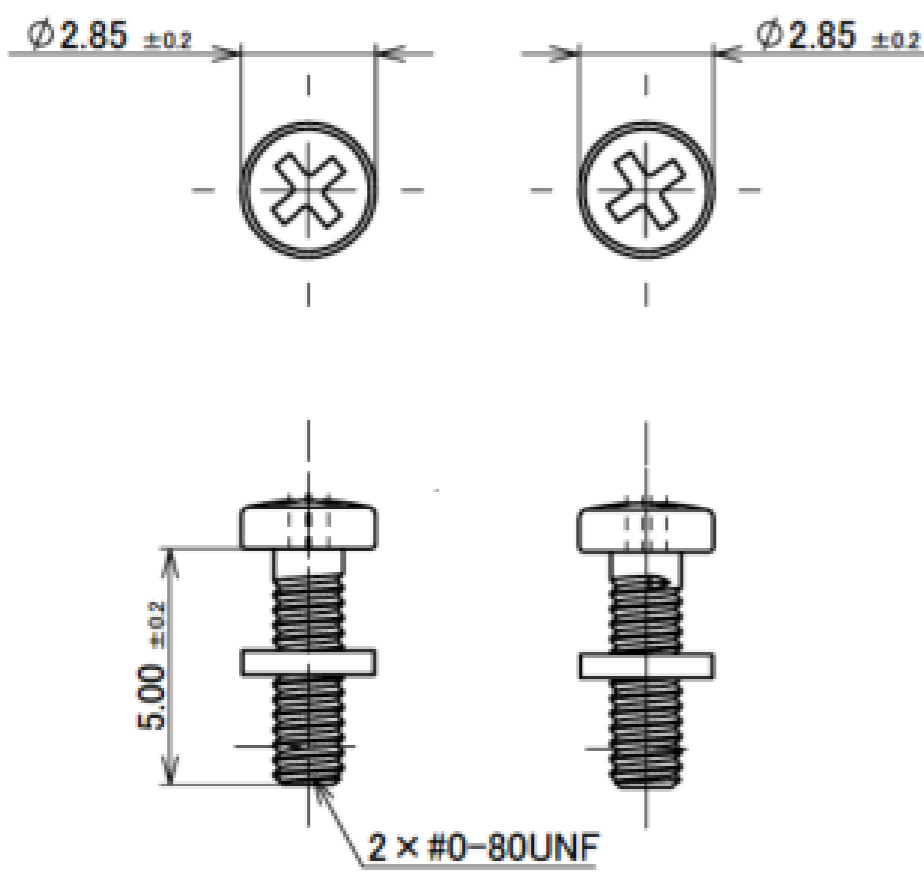
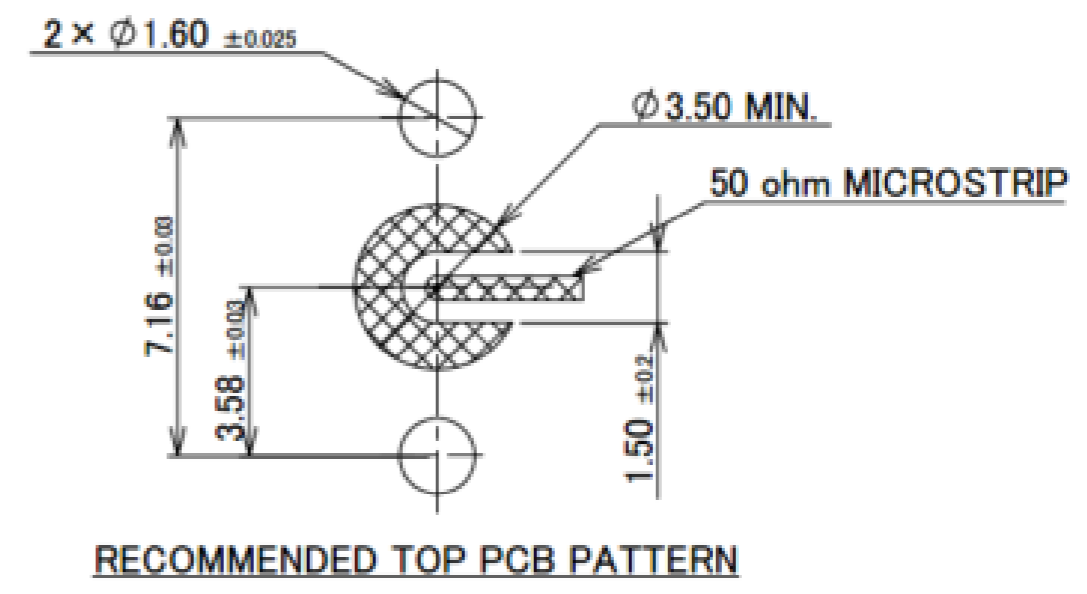
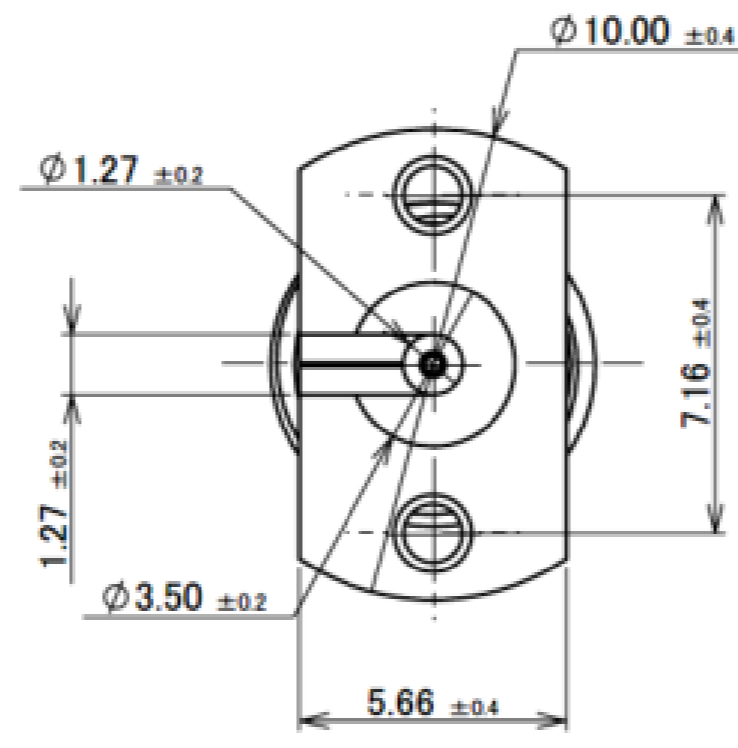
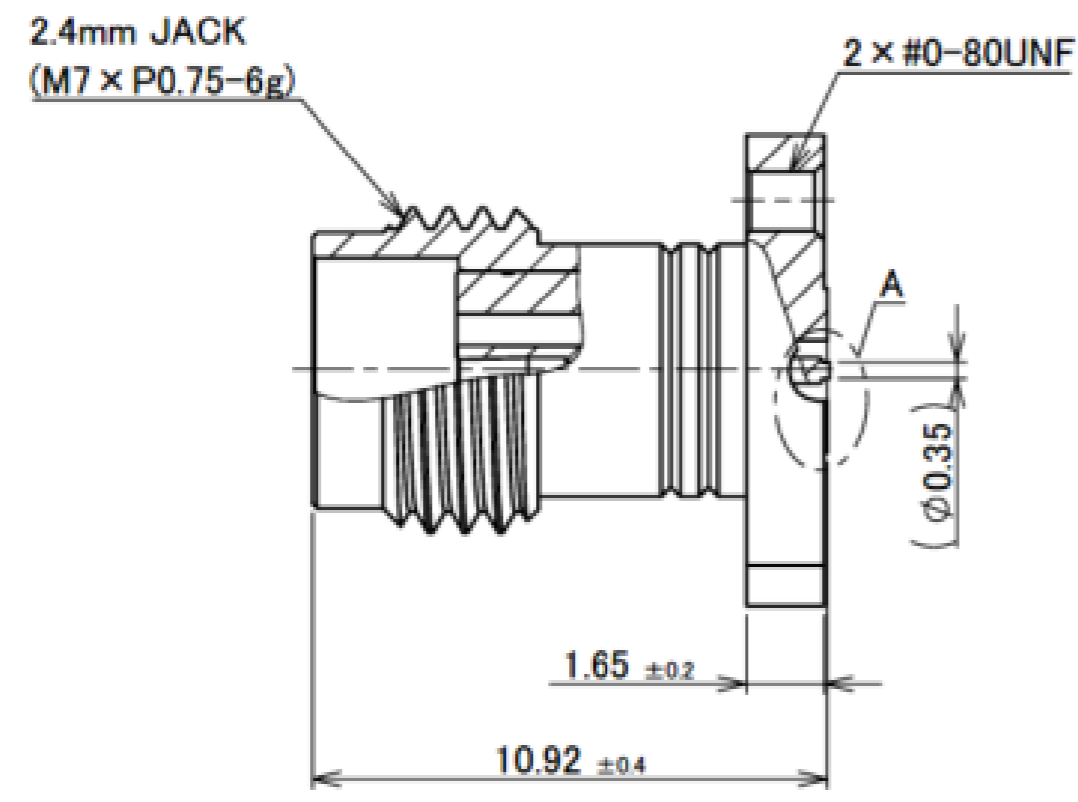
NO.	DESCRIPTION	MATERIAL	FINISH, REMARKS
6	BOLT	SUS	-
5	WASHER	SUS	-
4	BODY	SUS	PASSIVATED
3	INSULATOR	ULTEM 1000	AMBER
2	CONTACT PIN	BERYLLIUM COPPER	Au OVER Ni OVER Cu
1	LOCK RING	BRASS	Ni OVER Cu

Rev.0

ITEMS	SPECIFICATION
RATING FREQUENCY	DC~50 GHz
VSWR	1.5 MAX. AT DC~50 GHz
INNER CONTACT RESISTANCE	4.0mohm MAX.
OUTER CONTACT RESISTANCE	2.5mohm MAX.
INSULATION RESISTANCE	5000 Mohm MIN.
DIELECTRIC WITHSTANDING VOLTAGE	AC 500 Vrms MIN. 1min
DURABILITY	500 CYCLES
PRODUCT SPECIFICATION	PRS-2708
PACKING STANDARD	PST-21020
APPEARANCE CRITERIA No.	QLS-A***

Rev.0

Recommended P/N	50204-J001
PART NO.	REMARK
50204-J001	OUTER LAYER TYPE



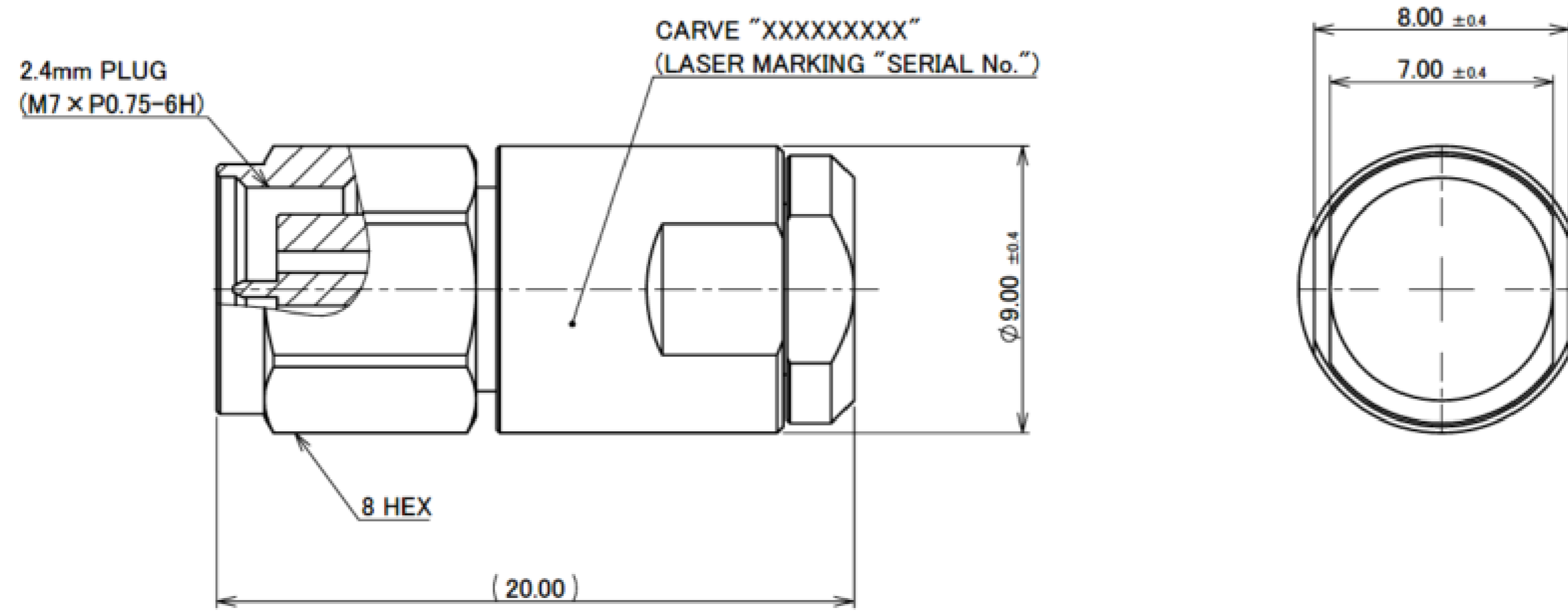
NO.	DESCRIPTION	MATERIAL	FINISH, REMARKS
6	BOLT	SUS	-
5	WASHER	SUS	-
4	LOCK RING	BRASS COPPER	Ni OVER Cu
3	INSULATOR	ULTEM 1000	AMBER
2	CONTACT PIN	BERYLLIUM COPPER	Au OVER Ni OVER Cu
1	BODY	SUS	PASSIVATED

Rev.0

ITEMS	SPECIFICATION
RATING FREQUENCY	DC~50 GHz
VSWR	1.5 MAX. AT DC~50 GHz
INNER CONTACT RESISTANCE	4.0mohm MAX.
OUTER CONTACT RESISTANCE	2.5mohm MAX.
INSULATION RESISTANCE	5000 Mohm MIN.
DIELECTRIC WITHSTANDING VOLTAGE	AC 500 Vrms MIN. 1min
DURABILITY	500 CYCLES
PRODUCT SPECIFICATION	PRS-2709
PACKING STANDARD	PST-21020
APPEARANCE CRITERIA No.	QLS-A***

Rev.0

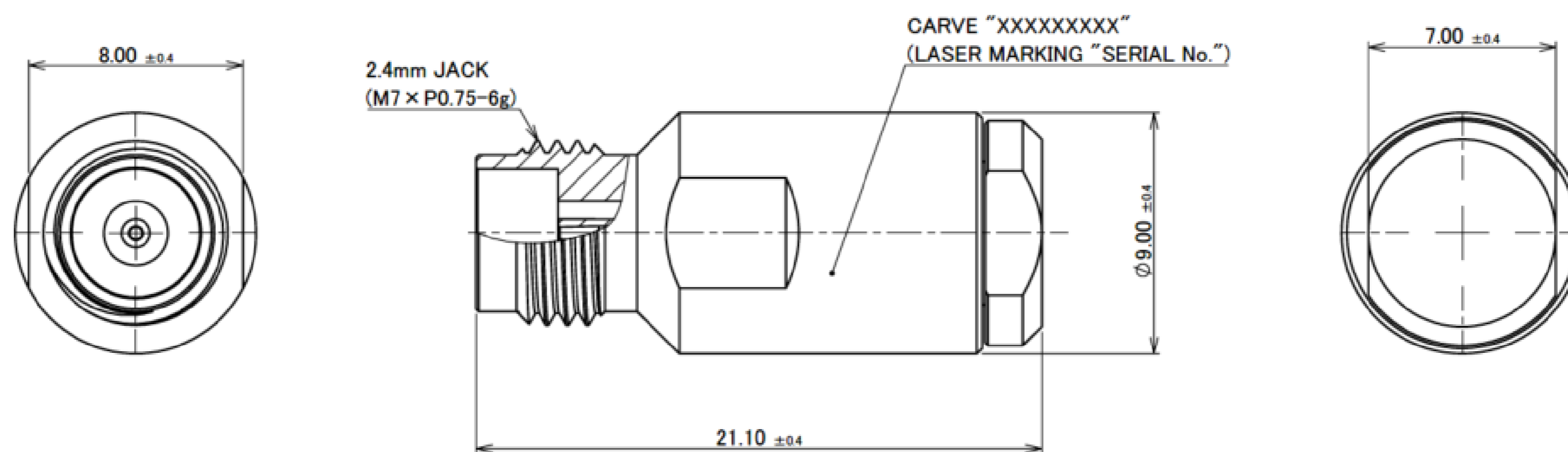
Recommended P/N		50205-0001
PART NO.	REMARK	
50205-0001	PLUG TYPE	



11	NUT	SUS	PASSIVATED
10	BOLT	SUS	PASSIVATED
9	BODY	BRASS	Au OVER Ni OVER Cu
8	RESISTOR	-	-
7	BODY	SUS	PASSIVATED
6	INSULATOR	PEEK	BEIGE
5	CONTACT PIN	BERYLLIUM COPPER	Au OVER Ni OVER Cu
4	SHELL	SUS	PASSIVATED
3	GASKET	SILICONE	RED
2	C RING	BERYLLIUM COPPER	-
1	BODY	SUS	PASSIVATED
NO.	DESCRIPTION	MATERIAL	FINISH , REMARKS

Rev.0

Recommended P/N		50205-J001
PART NO.	REMARK	
50205-J001	JACK TYPE	



8	NUT	SUS	PASSIVATED
7	BOLT	SUS	PASSIVATED
6	BODY	BRASS	Au OVER Ni OVER Cu
5	BODY	SUS	PASSIVATED
4	INSULATOR	PEEK	BEIGE
3	RESISTOR	-	-
2	CONTACT PIN	BERYLLIUM COPPER	Au OVER Ni OVER Cu
1	BODY	SUS	PASSIVATED
NO.	DESCRIPTION	MATERIAL	FINISH , REMARKS

Rev.0

ITEMS	SPECIFICATION	
PART No.	50205-0001	50205-J001
RATING FREQUENCY	DC~50GHz	
RETURN LOSS	-20dB MAX. AT DC~50 GHz	
DURABILITY	500 CYCLES	
PRODUCT SPECIFICATION	PRS-2710	
PACKING STANDARD	PST-21020	
APPEARANCE CRITERIA No.	QLS-A***	QLS-A***

Rev.0

Board to Board



High-Density



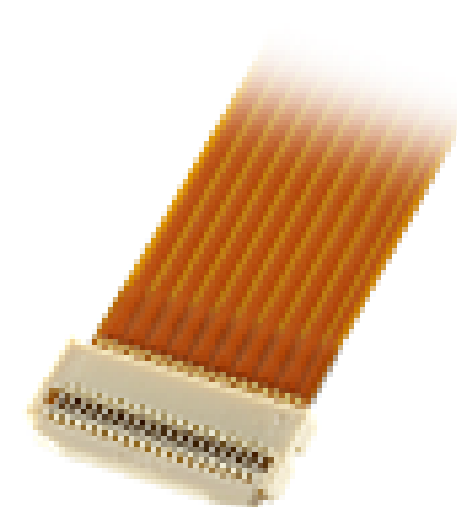
Autolocking FPC/FFC



High-Density



FPC/FFC



Micro-Coaxial / Discrete Cable



High-Speed



RF



High-Frequency



Optical Module



High-Speed



Effector



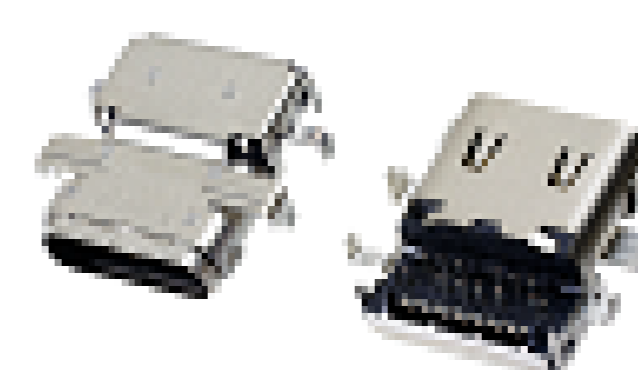
Power



High-Power



I/O (Input/Output)



Quick charge



Inquiry



Custom Connectors Available



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