

\*1: STAINLESS STEEL  
\*2: PASSIVATE

RoHS Compliant  $Cd \leq 75ppm$

REMARKS BRASS:  $Cd \leq 75ppm$   
PHOSPHOR BRONZE:  $Pb < 4wt\%$

NO.	DESCRIPTION	MATERIAL	Q'TY	FINISH	REMARK	SCALE	DRAWN	CHECKED	APPROVED	CONFIRMATION	PART NUMBER	DRAWING NO.
8	COVER	BRASS	1	Ni		3/1	渡邊	檜	山	三	SMA-LP-141	J-1152024
7	INSULATOR B	PTFE	1	--			'23,05,11	'23,05,11	'23,05,11	'23,05,11		
6	CENTER PIN	BRASS	1	Au			直弘	澤	本	村		
5	BODY	BRASS	1	Au								
4	HOLDING RING	*1	1	--								
3	GASKET	SILICONE	1	--								
2	INSULATOR A	PTFE	1	--								
1	COUPLING NUT	*1	1	*2								
						DATE	PROJECTION					
						2023.05.11						

株式会社 トーコン  
TO-CONN CO., LTD.

# PRODUCT SPECIFICATION

Part number: SMA-LP-141

No. 1150709

Drawing number: J-1152024

Nominal 1 Standard JEITA RC-5234  
 2 Voltage rating AC 500V  
 3 Frequency range 10GHz  
 4 Impedance 50Ω  
 5 Operating Temperature Range -40°C~+85°C



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	Test Items	Procedures/Test Method	Requirements
1	STRUC TURE Design and Construction	Specified on relevant product drawing (Drawing number: J-1152024 )	No defects or abnormalities
2	Materials		
3	Finish		
4	ELEC TRICAL Insulation Resistance	DC 500V	5000 MΩ (Min.)
5	Withstand voltage	1 minute at AC 1500V	No defects or abnormalities
6	Contact resistance	The method of which, the voltage drop of the contact duration should not exceed about 1-kHz AC or 1mV DC	3mΩ (max.)
7	V.S.W.R	DC ~ 6GHz	1.3 (max)
8	MEC HAN ICAL Compatibility	Mating with connector complying with the standard	No defects or abnormalities
9	Cable tensile strength	Axial tensile force of 245N or more	No defects or abnormalities
10	Engagement Force	When axial tensile force of 180N is applied	No defects or abnormalities
11	Cable group	0.141inch Semi-rigid Cable	

	REVISIONS	DATE
1		
2		
3		

Checked	Approved	Proof mark	Prepared
 23.05.11	 23.05.11	 23.05.11	 23.05.11

GKQM-7

# SMA-LP-141 Cable Assembly Instructions

Cable group

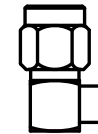
0.141Semi-Rigid, 0.141Semi-Flex

DRAWING NO. J-1152024

All parts of the connector as shown



DRAWN	CHECKED	APPROVED	CONFIRMATION
渡邊 '23,05,11 直弘	檜 '23,05,11 澤	山 '23,05,11 本	三 '23,05,11 村



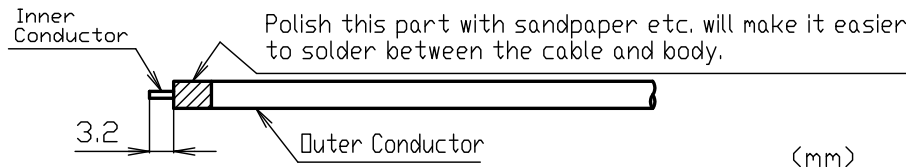
BODY



INSULATOR B



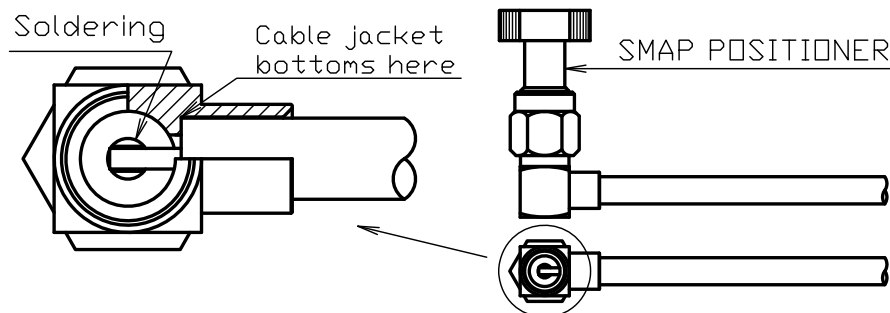
COVER



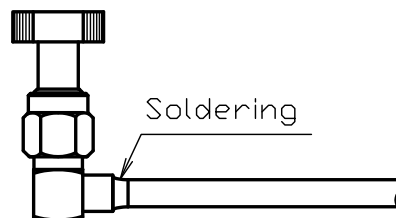
- 1 Trim cable jacket and dielectric according to the dimensions shown in the drawing.

## ATTENTION

For semi-rigid cables, polish the part shown in the figure with sandpaper etc. will make it easier to solder between the cable and body.



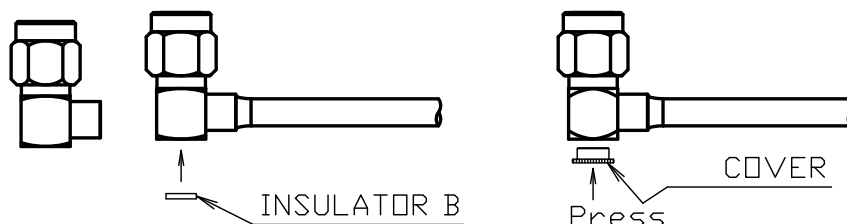
- 2 Mate with "SMAP POSITIONER" (sold separately) to hold the center contact and insulator in place while soldering.  
Assemble cable into connector body. Bottom cable in connector body as shown.  
Solder inner conductor to the connector center contact.  
\*Remove excess solder or insulator B will not fit.



- 3 Solder cable to connector body as shown

## ATTENTION

Solder evenly around the circumference.  
Solder quickly to prevent the internal insulation from being pushed out or the cable from being pushed back in due to thermal stress.



- 4 Remove the "SMAP POSITIONER", insert the insulator B and press fit the cover to complete the work.