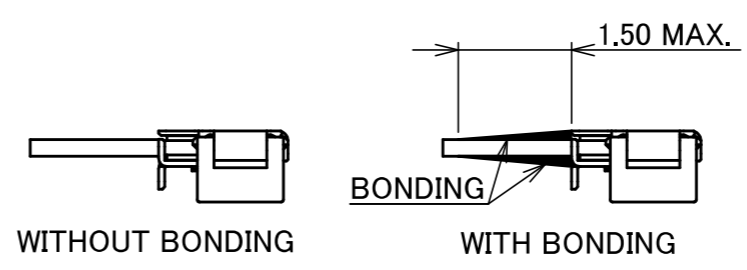


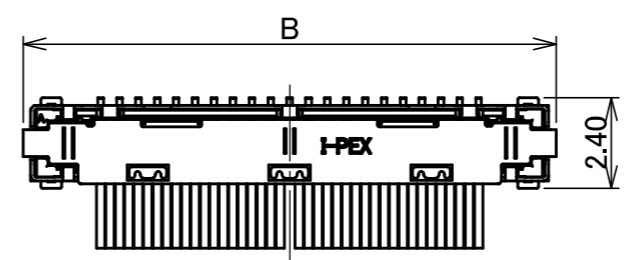
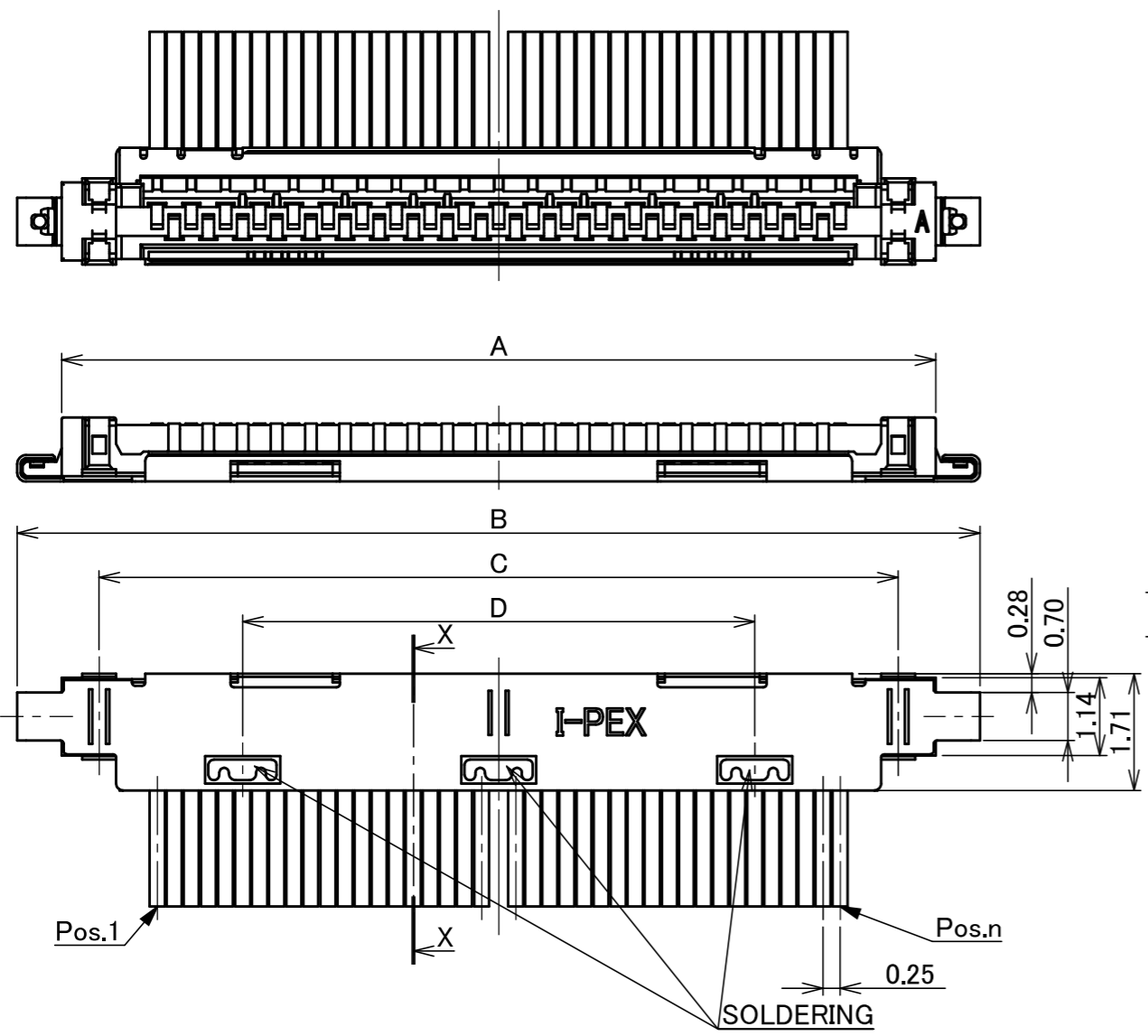
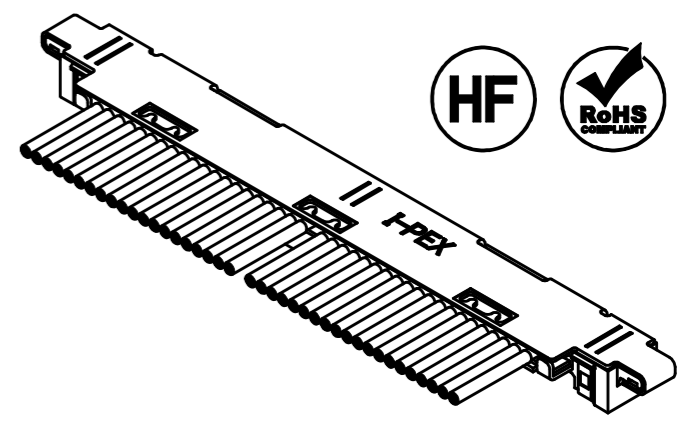
RECOMMENDED PART No. 20531-0T-02-1**

PART No.	A	B	C	D
20531-030T-02-1	10.3	11.6	9.2	5.0
20531-034T-02-1	11.3	12.6	10.2	6.0
20531-040T-02-1	12.8	14.1	11.7	7.5
20531-050T-02-1	15.3	16.6	14.2	10.0

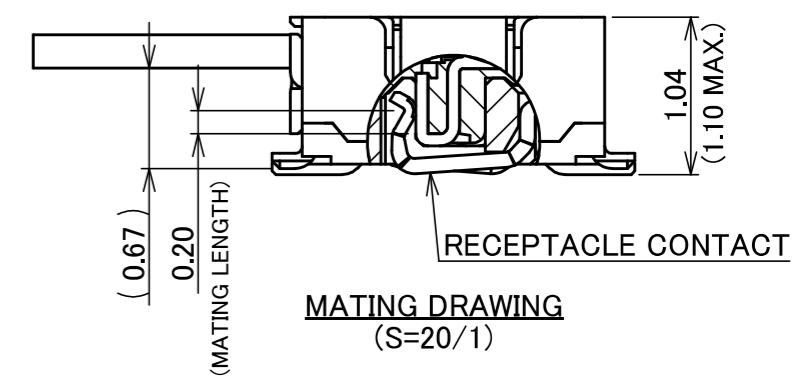
20531-0 ** T-02-1
Pos.



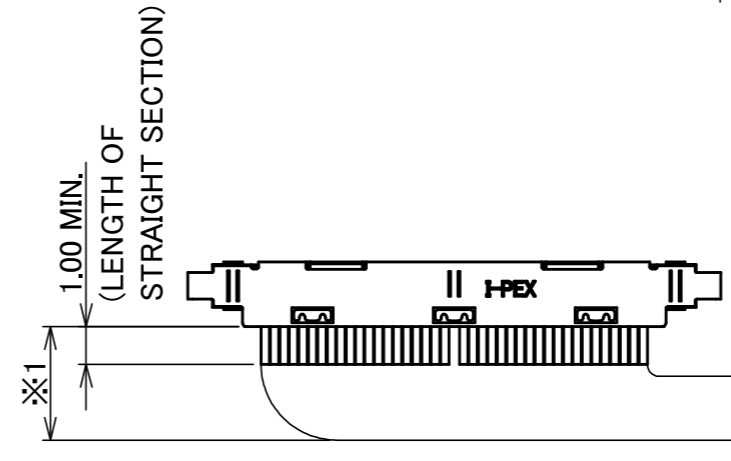
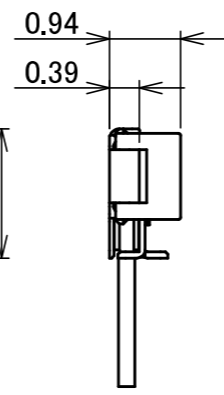
ASSEMBLY STATE
※WE RECOMMEND BONDING THE CABLE AND CONNECTOR TO PROTECT THE CABLE.



MATING SIZE (S=5/1)

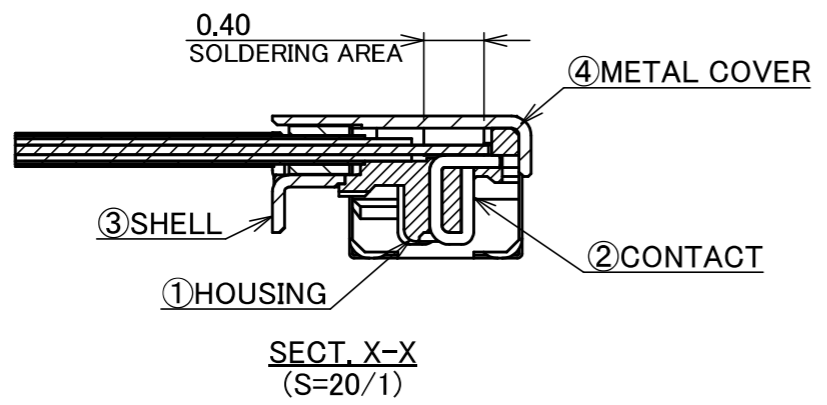


MATING DRAWING (S=20/1)



REFERENCE CABLE BENDING DIMENSIONS

※1 : THE BEND DIMENSIONS MAY VARY BASED ON THE SIZE AND QUANTITY OF CABLES. PLEASE CONFIRM THE MINIMUM BENDING RADIUS WITH I-PEX OR THE HARNESS MANUFACTURER.



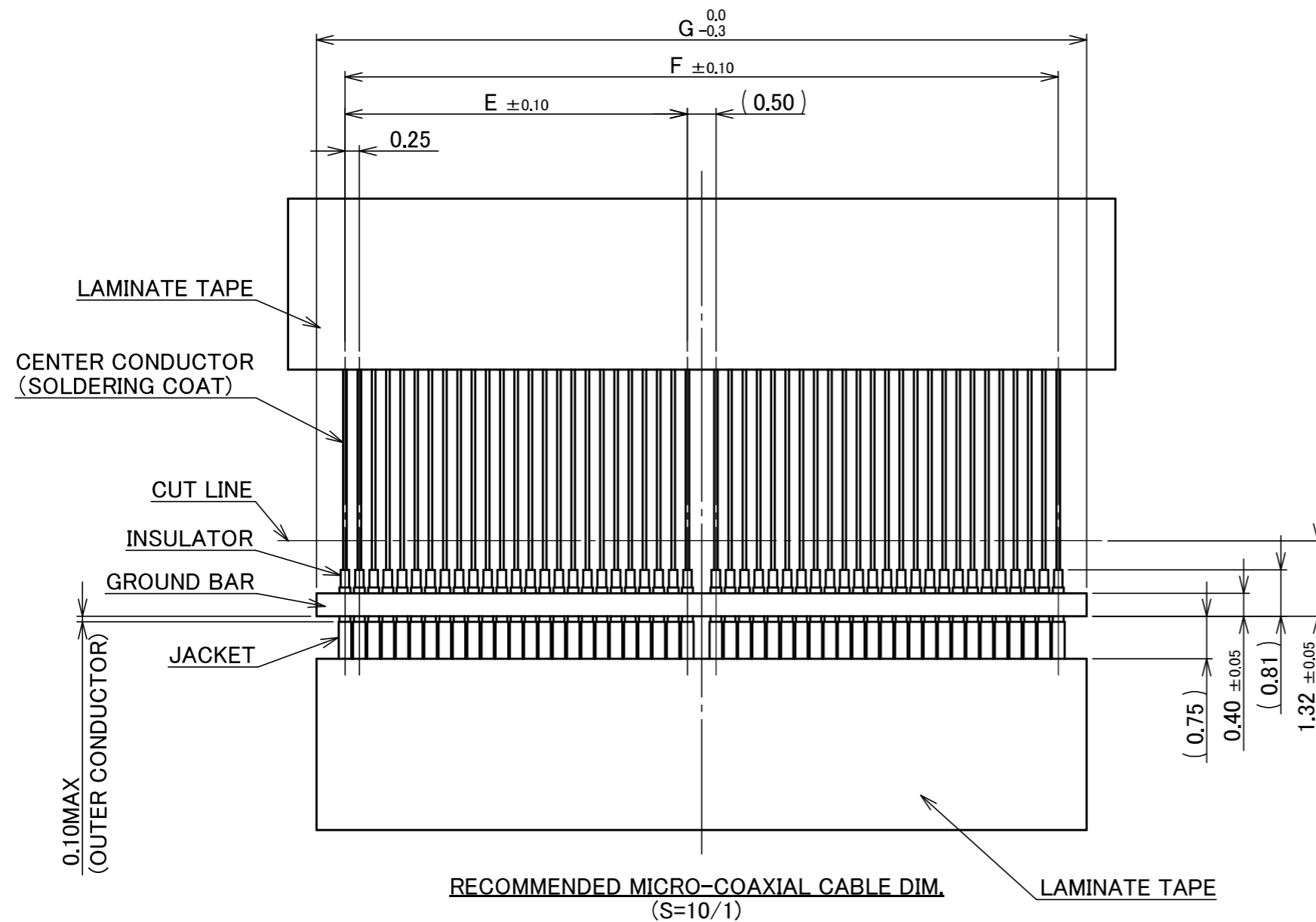
NO.	DISCRIPTION	MATERIAL	FINISH , REMARKS
4	METAL COVER	SUS	Au 0.05 μ m MIN. OVER Ni 1.0 μ m MIN.
3	SHELL	PHOSPHOR BRONZE	Au 0.05 μ m MIN. OVER Ni 1.0 μ m MIN.
2	CONTACT	PHOSPHOR BRONZE	Au 0.1 μ m MIN. OVER Ni 1.0 μ m MIN.
1	HOUSING	LCP	UL94V-0 ,BLACK

REV.	ECN	BY	DATE	APP.	APP.	CHK.	DATE	ANGLE	PROJECTION	SERIES No.	TITLE	SCALE	UNIT	SIZE	SHEET	REV.
15	Z241678	A.K	2024/11/29	H.I	ANGLE	±2°	6 OVER 30 MAX.	±0.3	PROJECTION	R4R1	CABLINER [®] -UX II PLUG FOR CABLE ASSEMBLY	10:1	mm	A3	1/4	15
14	Z241438	T.T	2024/10/17	H.I	6 MAX.	±0.2	30 OVER 120 MAX.	±0.5								
13	Z240044	RYO	2024/01/12	H.I	GENERAL TOLERANCE.											
12	Z200314	A.K	2020/03/26	Y.S	DWG.	M.Takemoto		2010/07/08								
11	Z190765	A.K	2019/06/07	H.I												
10	Z190729	A.K	2019/05/31	Y.S												
REV.	ECN	BY	DATE	APP.	APP.	CHK.	DATE	ANGLE	DWG. No.	20531						
REVISION RECORD					E.Kawabe											

ITEMS	SPECIFICATION
APPLICABLE CABLE	MICRO-COAXIAL CABLE : AWG# 44 ,46 DISCRETE WIRE : AWG#39
RATING VOLTAGE	50V AC (PER CONTACT PIN) ※THIS IS THE RATED VOLTAGE OF THE CONNECTOR. PLEASE NOTE THAT THE RATED VOLTAGE MAY VARY IN THE HARNESS DEPENDING ON THE CABLES USED.
RATING AMPERAGE (FOR CONTACT)	0.50A AC/DC [AWG#39] (PER CONTACT PIN / UP TO 6 CONTACTS) 0.15A AC/DC [AWG#44] 0.10A AC/DC [AWG#46] ※TESTING BY A REAL MACHINE IS RECOMMENDED BECAUSE TEMPERATURE RISE MAY AFFECTED BY ACTUAL SITUATION
OPERATING TEMPERATURE	233~358K(-40°C~+85°C)
OPERATING HUMIDITY	75% MAX.(NON-CONDENSING)
CONTACT RESISTANCE	INITIAL : 450mohm MAX.(AWG#39) 1080mohm MAX.(AWG#44) 1880mohm MAX.(AWG#46) AFTER TEST : \triangle 40mohm MAX.
GROUND SHELL RESISTANCE	INITIAL : 100mohm MAX. / AFTER TEST : \triangle 40mohm MAX.
INSULATION RESISTANCE	INITIAL : 100Mohm MIN. / AFTER TEST : 100Mohm MIN.
DIELECTRIC WITHSTANDING VOLTAGE	AC100V 1min
DURABILITY	20 CYCLES
MATING FORCE (INITIAL / AFTER TEST)	30P : 26.4N MAX. 34P : 27.6N MAX. 40P : 29.4N MAX. 50P : 32.4N MAX.
UNMATING FORCE (INITIAL / AFTER TEST)	30P : 1.5N MIN. 34P : 1.9N MIN. 40P : 2.5N MIN. 50P : 3.5N MIN.
CABLE RETENTION FORCE	30P : 15.0N MIN. 34P : 17.0N MIN. 40P : 20.0N MIN. 50P : 25.0N MIN.
PRODUCT SPECIFICATION	PRS-2887
TEST REPORT	TR-24028
INSTRUCTION MANUAL	HIM-10001
ASSEMBLY MANUAL	ASM-10001
APPEARANCE CRITERIA No.	QLS-A***

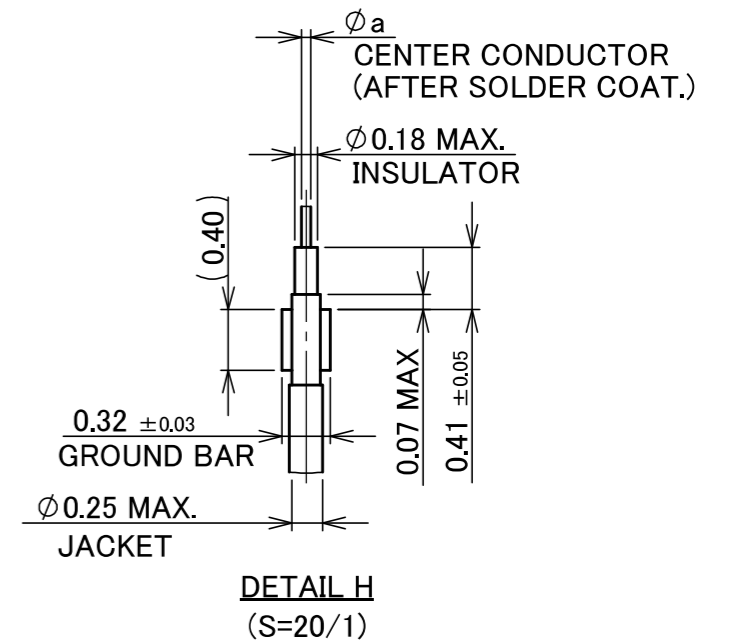
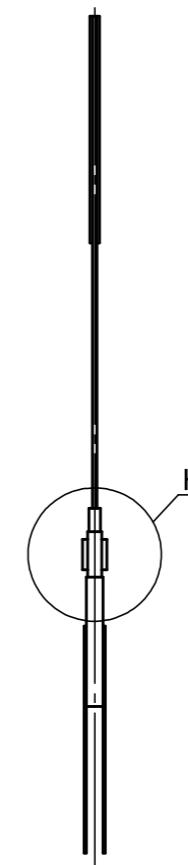
ANGLE	$\pm 2^\circ$	6 OVER 30 MAX.	± 0.3	PROJECTION 	SERIES No. R4R1	CUSTOMER COPY		
6 MAX.	± 0.2	30 OVER 120 MAX.	± 0.5					
GENERAL TOLERANCE.				TITLE CABLIN [®] -UX II PLUG FOR CABLE ASSEMBLY	SCALE 5:1 UNIT mm			
DWG.	DATE							
CHK.								
APP.								
				DWG. No.	20531	SIZE	SHEET	REV.
						A3	2/4	15

PART No.	E	F	G
20531-030T-02-1	3.5	7.5	8.5
20531-034T-02-1	4.0	8.5	9.5
20531-040T-02-1	4.75	10.0	11.0
20531-050T-02-1	6.0	12.5	13.5



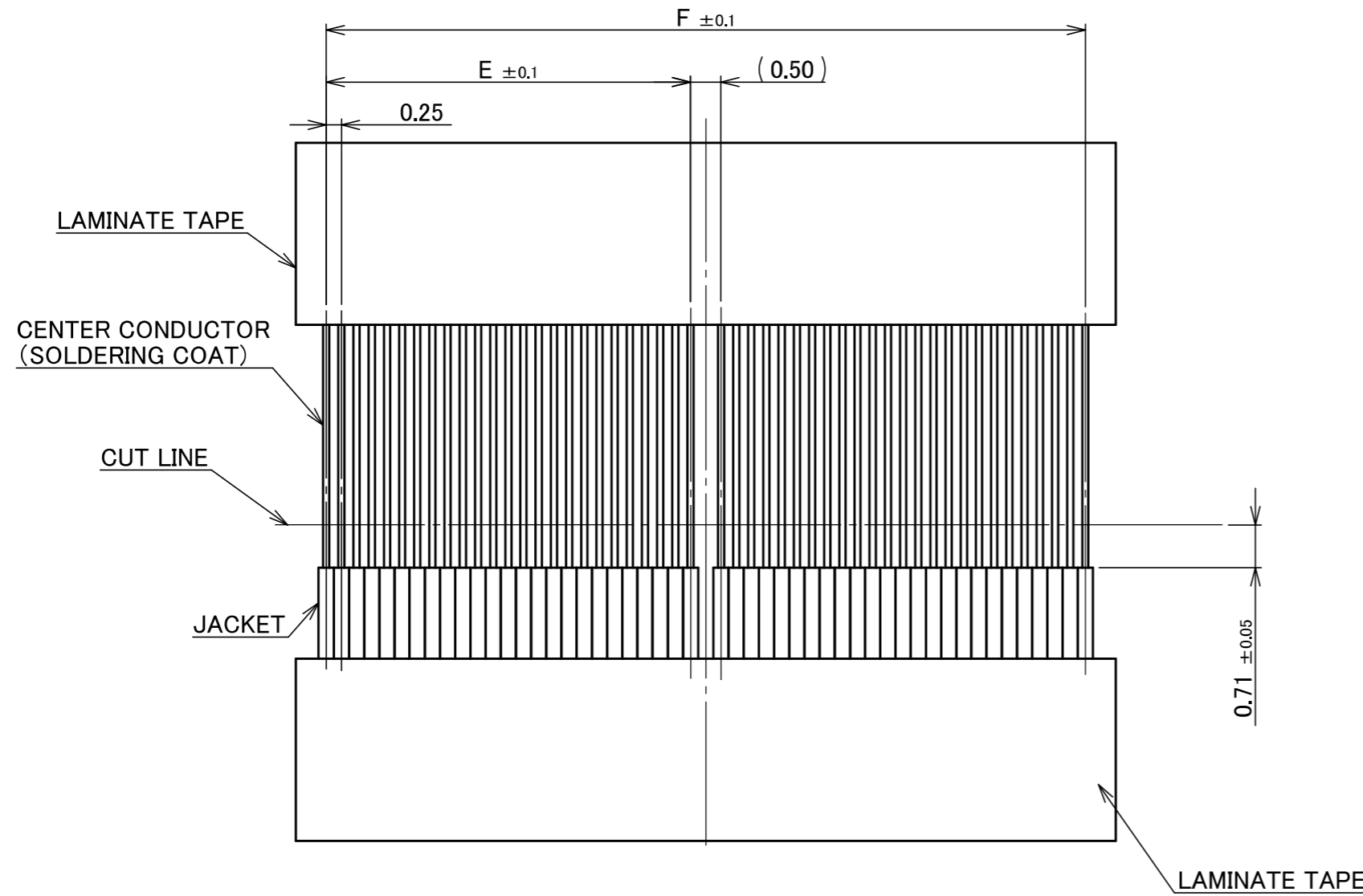
MICRO-COAXIAL CABLE DIMENSION

	a
#44	$\phi 0.063$
#46	$\phi 0.048$



ANGLE	$\pm 2^\circ$	6 OVER 30 MAX.	± 0.3	PROJECTION	SERIES No.	CUSTOMER COPY	
	6 MAX.	± 0.2	30 OVER 120 MAX.	± 0.5		R4R1	
GENERAL TOLERANCE.				TITLE	SCALE	I-PEX	
DWG.	DATE			CABLIN [®] -UX II	10:1		
CHK.				PLUG FOR	UNIT		
APP.				CABLE ASSEMBLY	mm		
				DWG. No.	SIZE	SHEET	REV.
				20531	A3	3/4	15

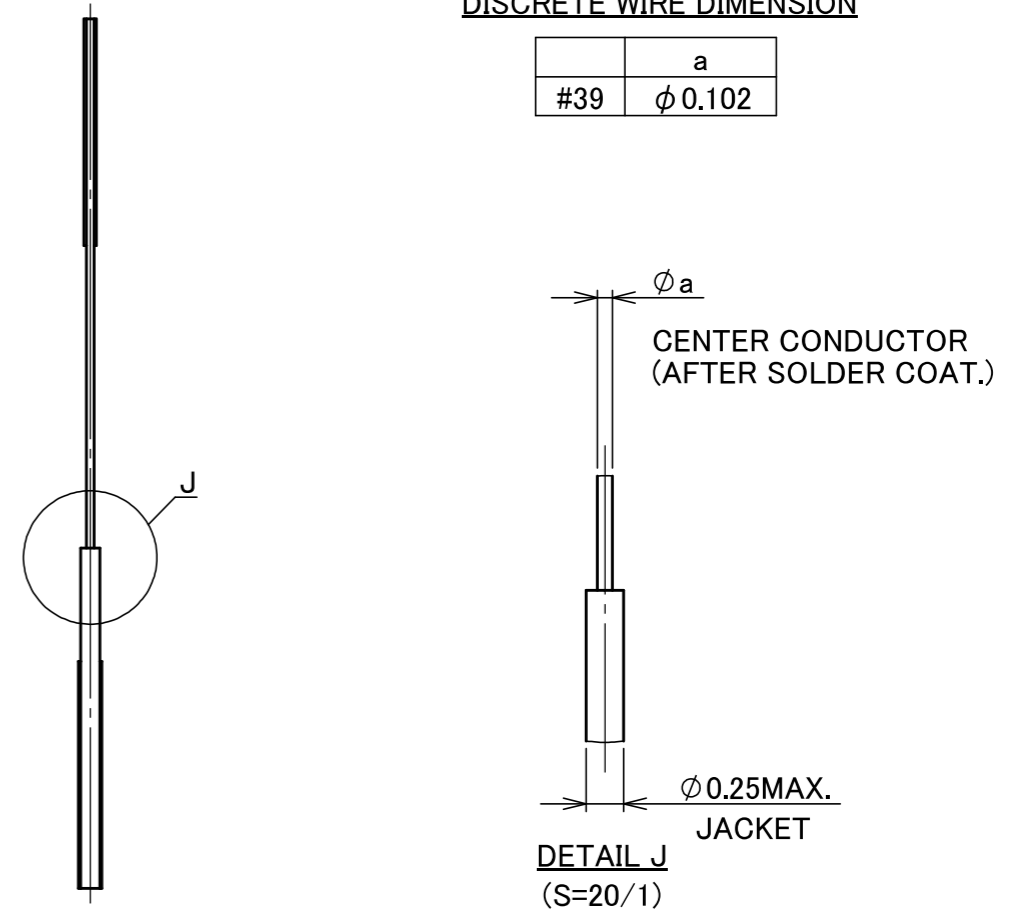
PART No.	E	F
20531-030T-02-1	3.5	7.5
20531-034T-02-1	4.0	8.5
20531-040T-02-1	4.75	10.0
20531-050T-02-1	6.0	12.5



RECOMMENDED DISCRETE WIRE DIM.
(S=10/1)

DISCRETE WIRE DIMENSION

	a
#39	φ 0.102



ANGLE	±2°	6 OVER 30 MAX.	±0.3	PROJECTION ⊕	SERIES No. R4R1	CUSTOMER COPY			
	6 MAX.	±0.2	30 OVER 120 MAX.						±0.5
GENERAL TOLERANCE.				TITLE		SCALE	I-PEX		
DWG.	DATE			CABLIN [®] -UX II PLUG FOR CABLE ASSEMBLY		10:1			
CHK.						UNIT			
APP.				DWG. No. 20531		mm			
						SIZE	SHEET	REV.	
						A3	4/4	15	