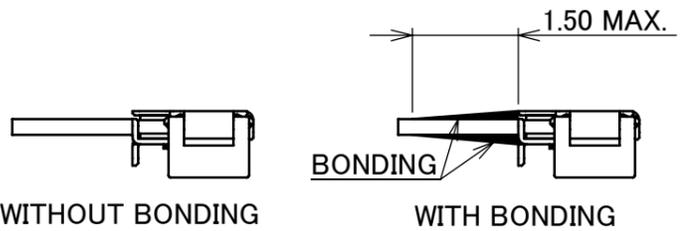


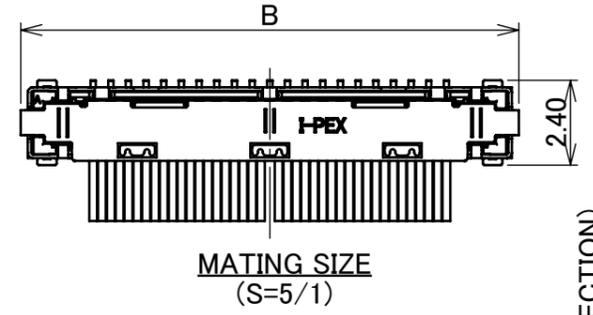
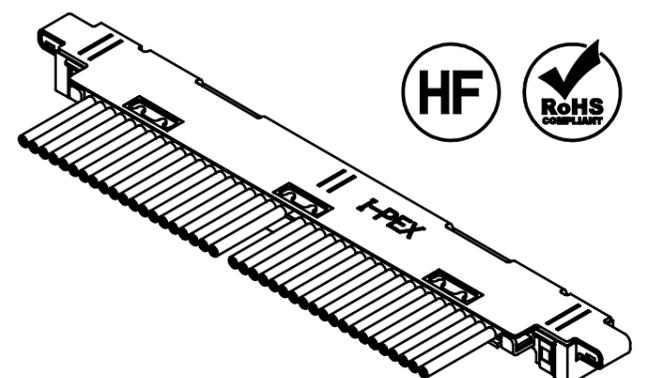
Recommended P/N 20531-0**T-02

PART No.	A	B	C	D
20531-030T-#2	10.3	11.6	9.2	5.0
20531-034T-#2	11.3	12.6	10.2	6.0
20531-040T-#2	12.8	14.1	11.7	7.5
20531-050T-#2	15.3	16.6	14.2	10.0

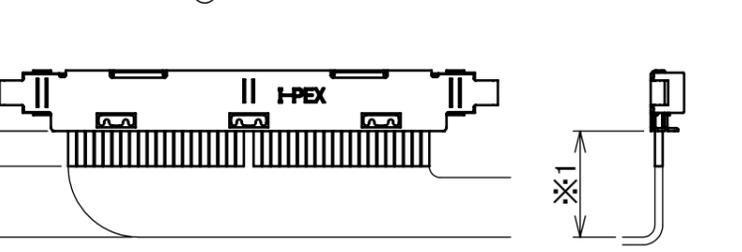
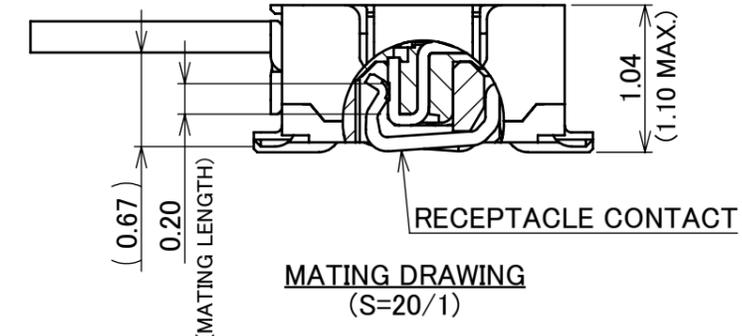
20531-0 ** T- # 2
SEE TABLE.1
Pos.



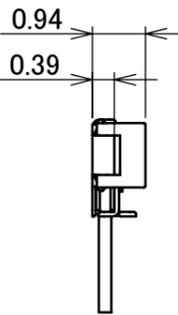
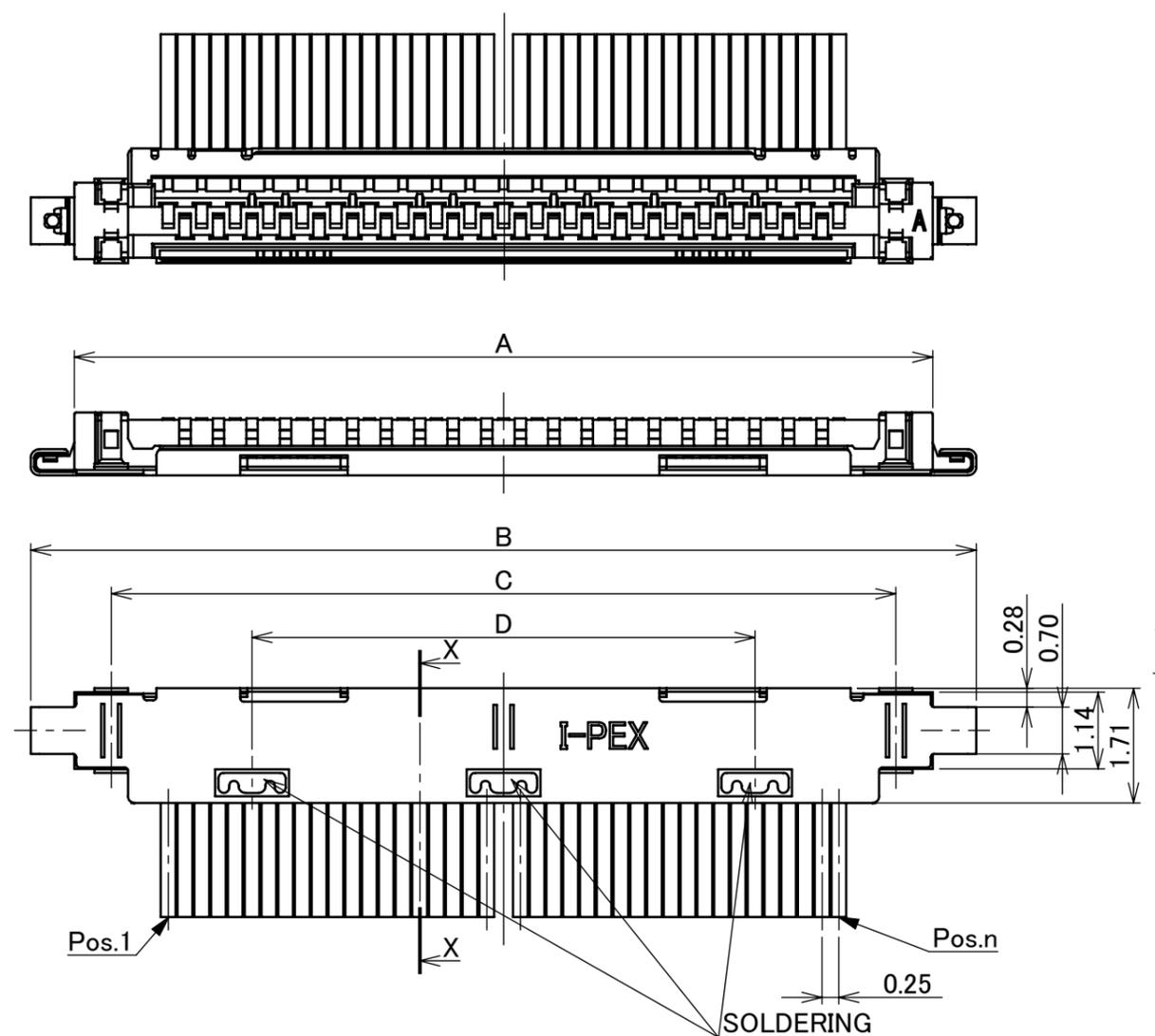
ASSEMBLY STATE
※WE RECOMMEND BONDING THE CABLE AND CONNECTOR TO PROTECT THE CABLE.



MATING SIZE (S=5/1)



REFERENCE CABLE BENDING DIMENSIONS

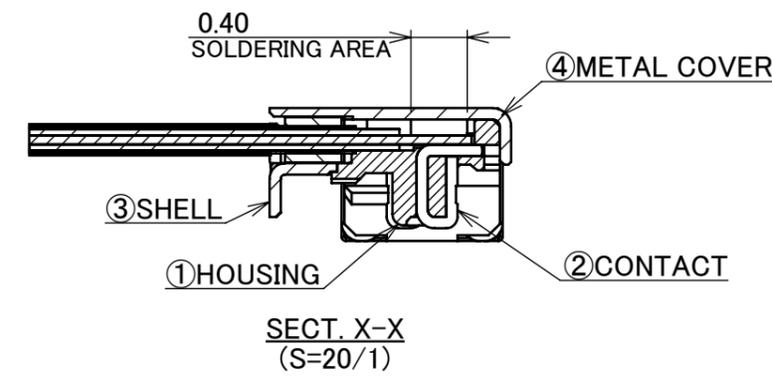


※1 : THE BEND DIMENSIONS MAY VARY BASED ON THE SIZE AND QUANTITY OF CABLES. PLEASE CONFIRM THE MINIMUM BENDING RADIUS WITH I-PEX OR THE HARNESS MANUFACTURER.

TABLE.1

PART NO.	CONTACT MATERIAL
20531-0**T-02	PHOSPHOR BRONZE
20531-0**T-12	CORSON ALLOY

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	SEE ABOVE TABLE.1	Au 0.1 μ m MIN. OVER Ni 1.0 μ m MIN.
1	HOUSING	LCP	UL94V-0 ,BLACK

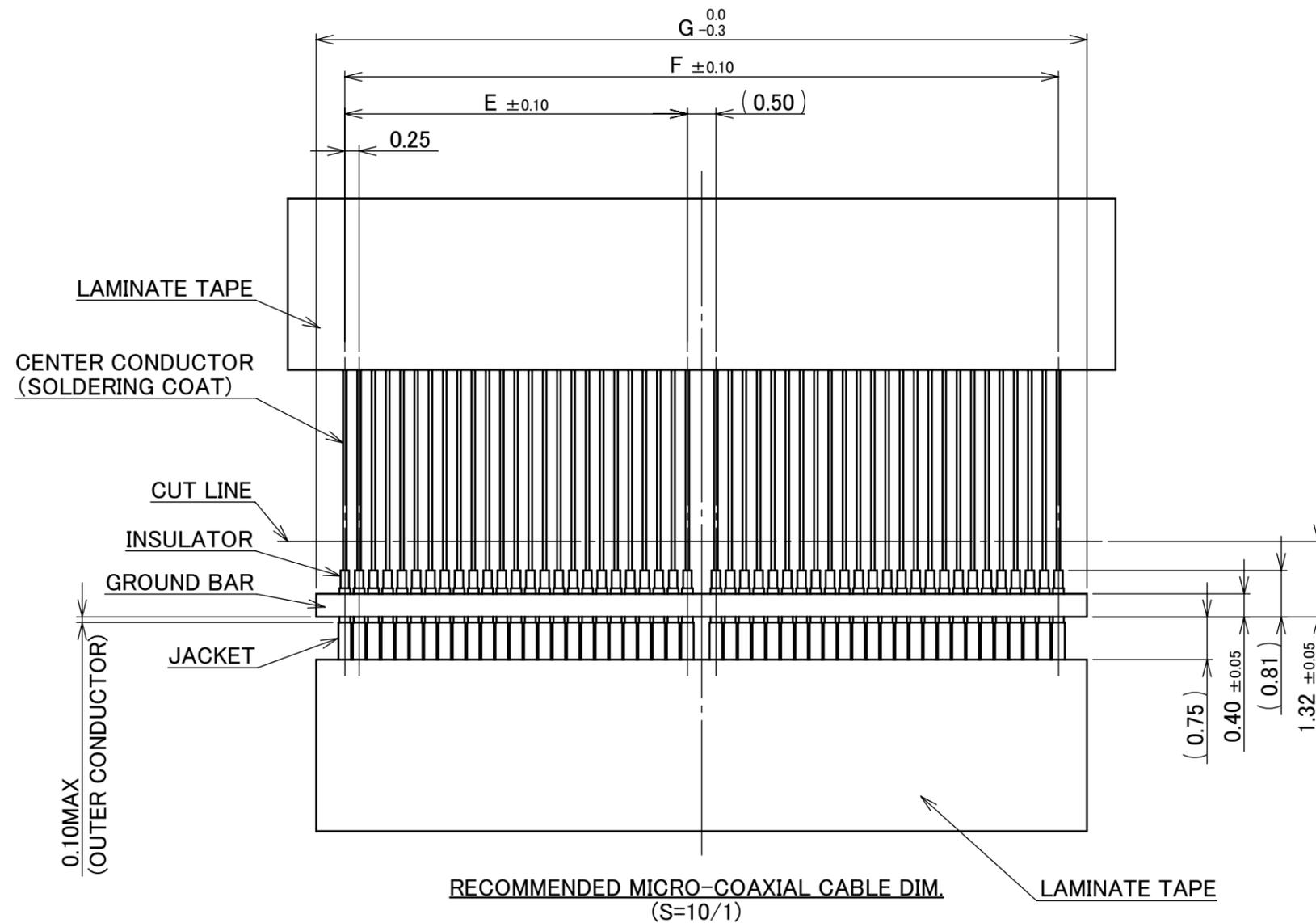


REV.	ECN	BY	DATE	APP.	APP.	CHK.	DATE	ANGLE	PROJECTION	SERIES No.	TITLE	SCALE	SHEET	REV.
14	Z241438	T.T	Oct./17/'24	H.I	ANGLE	±2°	6 OVER 30 MAX.	±0.3	PROJECTION	R3R1	CABLINER® -UX II PLUG FOR CABLE ASSEMBLY	10:1	1/4	14
13	Z240044	RYO	Jan./12/'24	H.I	6 MAX.	±0.2	30 OVER 120 MAX.	±0.5						
12	Z200314	A.K	Mar./26/'20	Y.S	GENERAL TOLERANCE.									
11	Z190765	A.K	June/7/'19	H.I	DWG.	M.Takemoto	2010/07/08							
10	Z190729	A.K	May/31/'19	Y.S	CHK.	-								
9	Z180877	A.K	Sept./24/'18	H.I	APP.	E.Kawabe								
REVISION RECORD					E.Kawabe			DWG. No. 20531		SIZE A3		SHEET 1/4		REV. 14

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)	CONTACT MATERIAL : PHOSPHOR BRONZE (PLUG : 20531-0**T-02 ,RECEPTACLE : 20533-0**E) 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] CONTACT MATERIAL : CORSON ALLOY (PLUG : 20531-0**T-12 ,RECEPTACLE : 20533-0**E-01) 0.50A AC/DC [AWG#39] (PER CONTACT PIN / UP TO 8 CONTACTS) 0.19A AC/DC [AWG#44] 0.14A AC/DC [AWG#46]
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 : \triangleleft 40mohm MAX.
GROUND SHELL RESISTANCE	INITIAL : 100mohm MAX. / AFTER TEST : \triangleleft 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-1555
TEST REPORT	TR-10051
INSTRUCTION MANUAL	HIM-10001
ASSEMBLY MANUAL	ASM-10001
APPEARANCE CRITERIA No.	QLS-A***

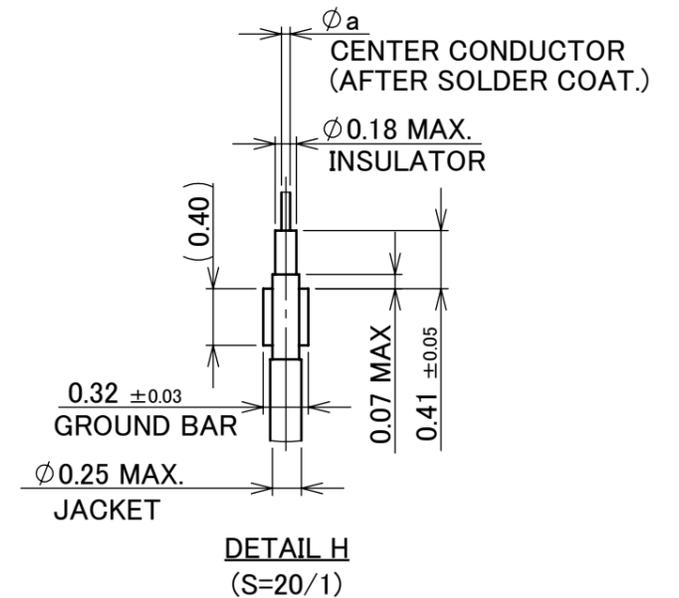
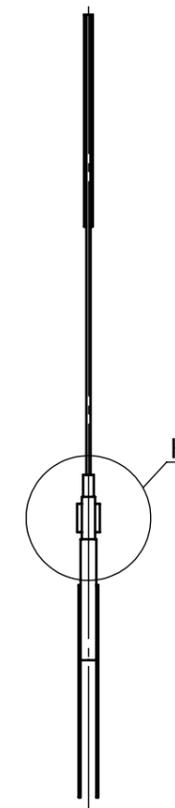
ANGLE	$\pm 2^\circ$	6 OVER 30 MAX.	± 0.3	PROJECTION 	SERIES No. R3R1	CUSTOMER COPY		
6 MAX.	± 0.2	30 OVER 120 MAX.	± 0.5					
GENERAL TOLERANCE.				TITLE CABLIN [®] -UX II PLUG FOR CABLE ASSEMBLY	SCALE 5:1 UNIT mm	I-PEX		
DWG.	DATE							
CHK.								
APP.								
				DWG. No.	20531	SIZE A3	SHEET 2/4	REV. 14

PART No.	E	F	G
20531-030T-#2	3.5	7.5	8.5
20531-034T-#2	4.0	8.5	9.5
20531-040T-#2	4.75	10.0	11.0
20531-050T-#2	6.0	12.5	13.5



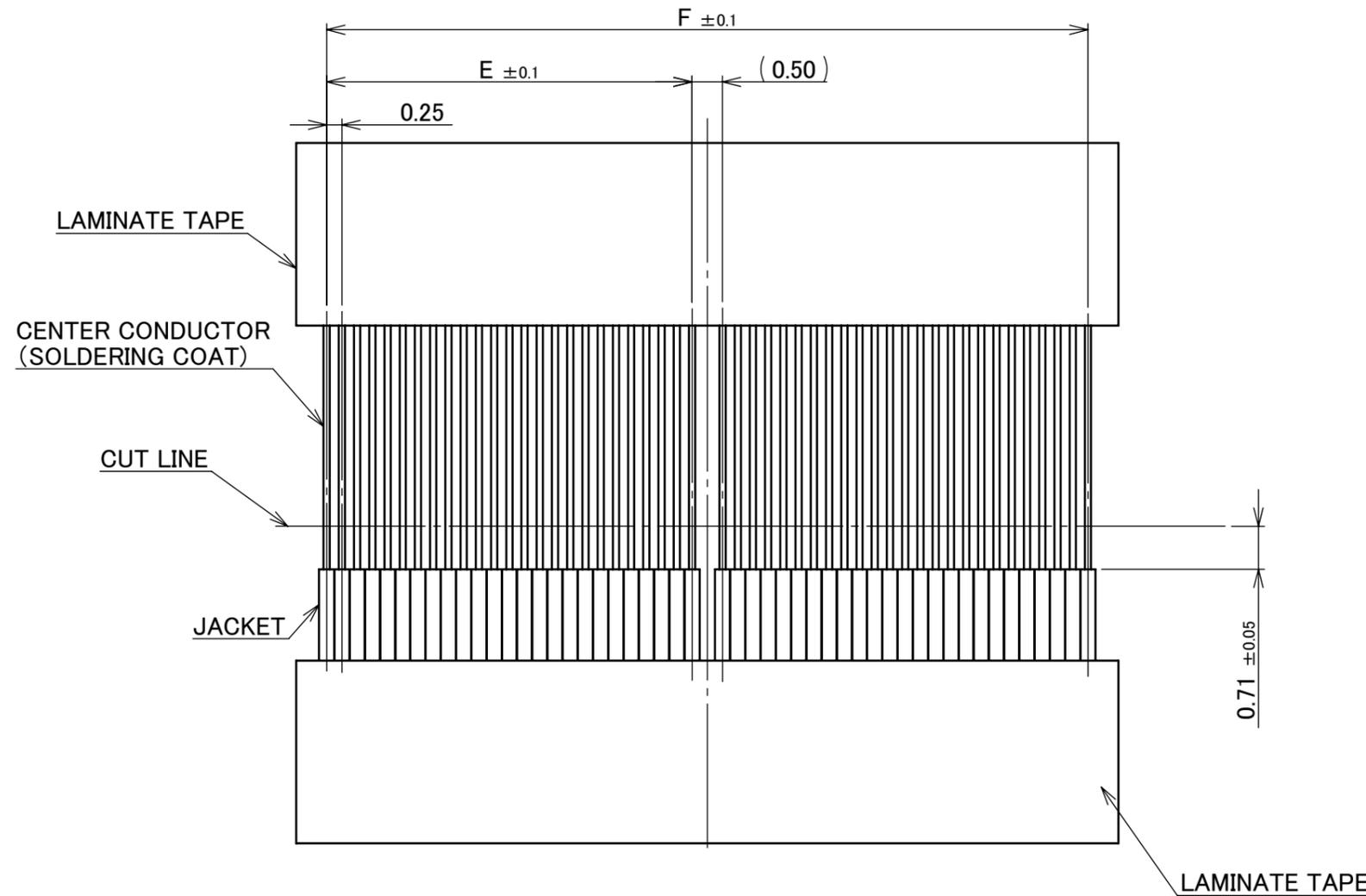
MICRO-COAXIAL CABLE DIMENSION

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



ANGLE	$\pm 2^\circ$	6 OVER 30 MAX.	± 0.3	PROJECTION 	SERIES No. R3R1	CUSTOMER COPY				
	6 MAX.	± 0.2	30 OVER 120 MAX.					± 0.5		
GENERAL TOLERANCE.				TITLE CABLIN [®] -UX II PLUG FOR CABLE ASSEMBLY	SCALE 10:1	I-PEX				
DWG.	DATE							UNIT mm		
CHK.								SIZE A3	SHEET 3/4	REV. 14
APP.								DWG. No. 20531		

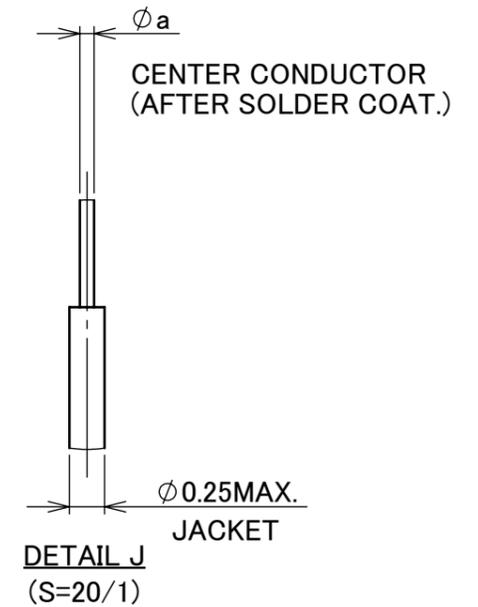
PART No.	E	F
20531-030T-#2	3.5	7.5
20531-034T-#2	4.0	8.5
20531-040T-#2	4.75	10.0
20531-050T-#2	6.0	12.5



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. R3R1	CUSTOMER COPY		
	6 MAX.	±0.2	30 OVER 120 MAX.					±0.5
GENERAL TOLERANCE.				TITLE		SCALE	I-PEX	
DWG.	DATE			CABLINER [®] -UX II PLUG FOR CABLE ASSEMBLY		10:1		
CHK.						UNIT		
APP.						mm		
				DWG. No.	20531	SIZE	SHEET	REV.
						A3	4/4	14