

Recommended P/N		20633-2**T-01S(12~60P)					20633-310T-01S(10P)	
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PART NO.	POS.	A	B	C	D	E	F	G
20633-#10T-01S	10	3.60	4.40	6.66	9.40	4.65	9.75	10.95
20633-#12T-01S	12	4.40	5.20	7.46	10.20	5.45	10.55	11.75
20633-#20T-01S	20	7.60	8.40	10.66	13.40	8.65	13.75	14.95
20633-#30T-01S	30	11.60	12.40	14.66	17.40	12.65	17.75	18.95
20633-#40T-01S	40	15.60	16.40	18.66	21.40	16.65	21.75	22.95
20633-#50T-01S	50	19.60	20.40	22.66	25.40	20.65	25.75	26.95
20633-#60T-01S	60	23.60	24.40	26.66	29.40	24.65	29.75	30.95

P/N : 20633- # ** T-0 # S

- 1 : WITH PULL BAR
2 : WITHOUT PULL BAR
Pos.
SEE TABLE.1

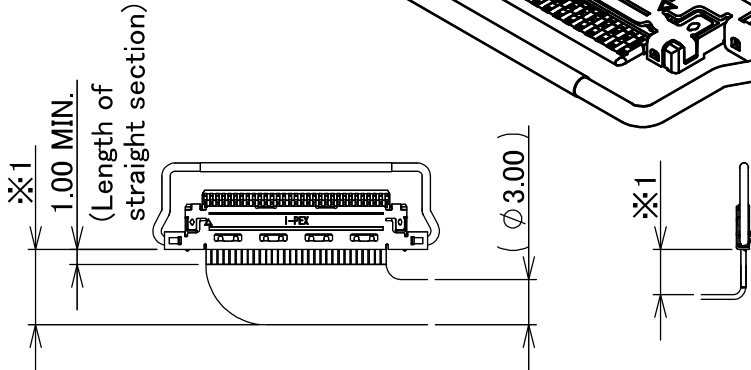
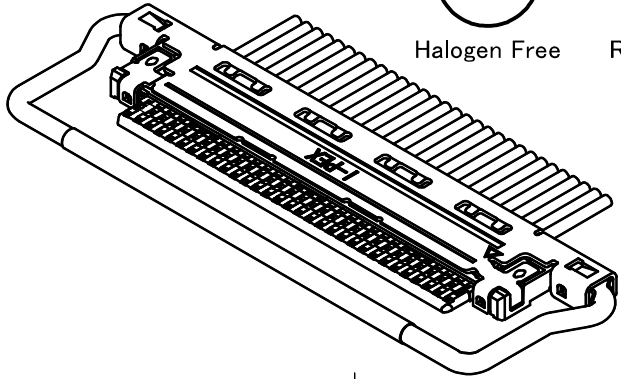
WITH PULL BAR



Halogen Free



RoHS Compliant



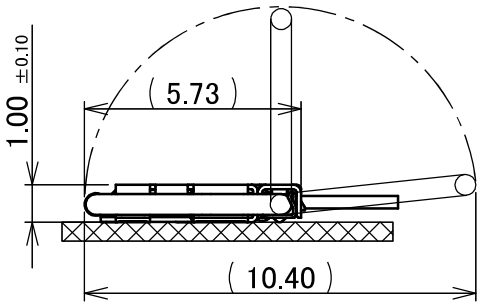
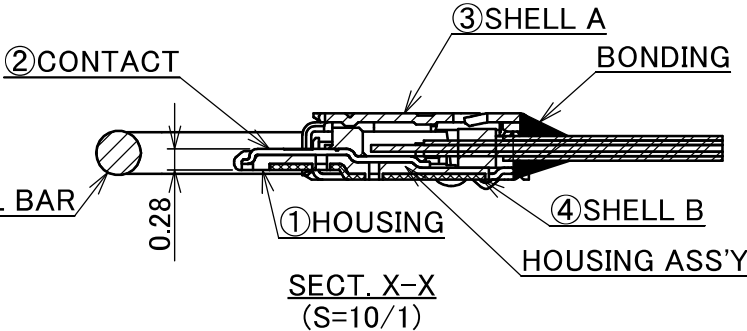
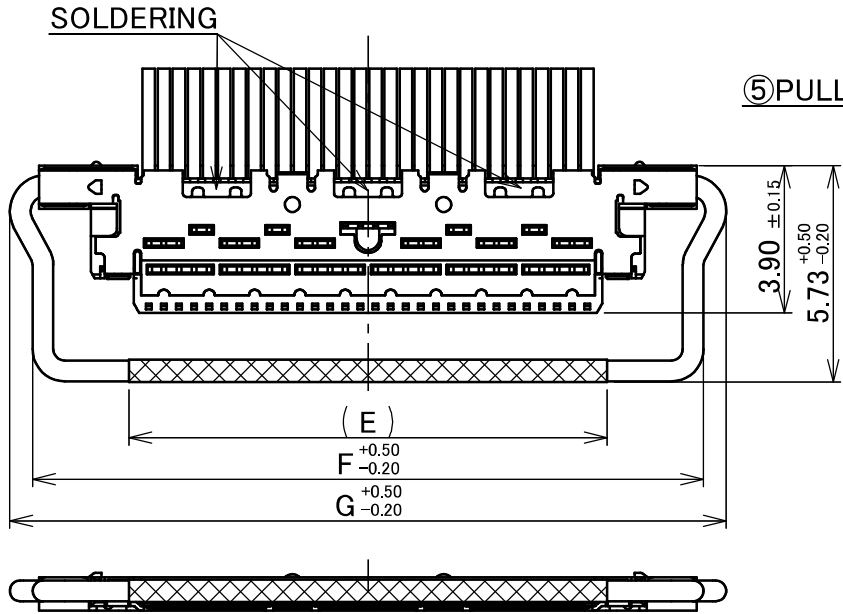
REFERENCE CABLE BENDING DIMENSIONS

※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.

PART NO.

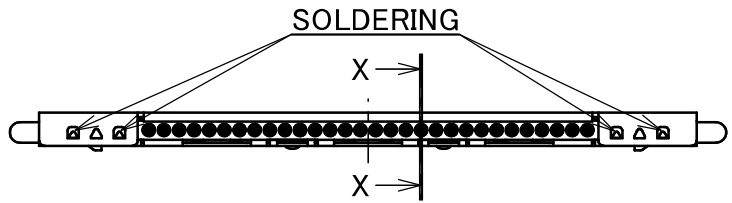
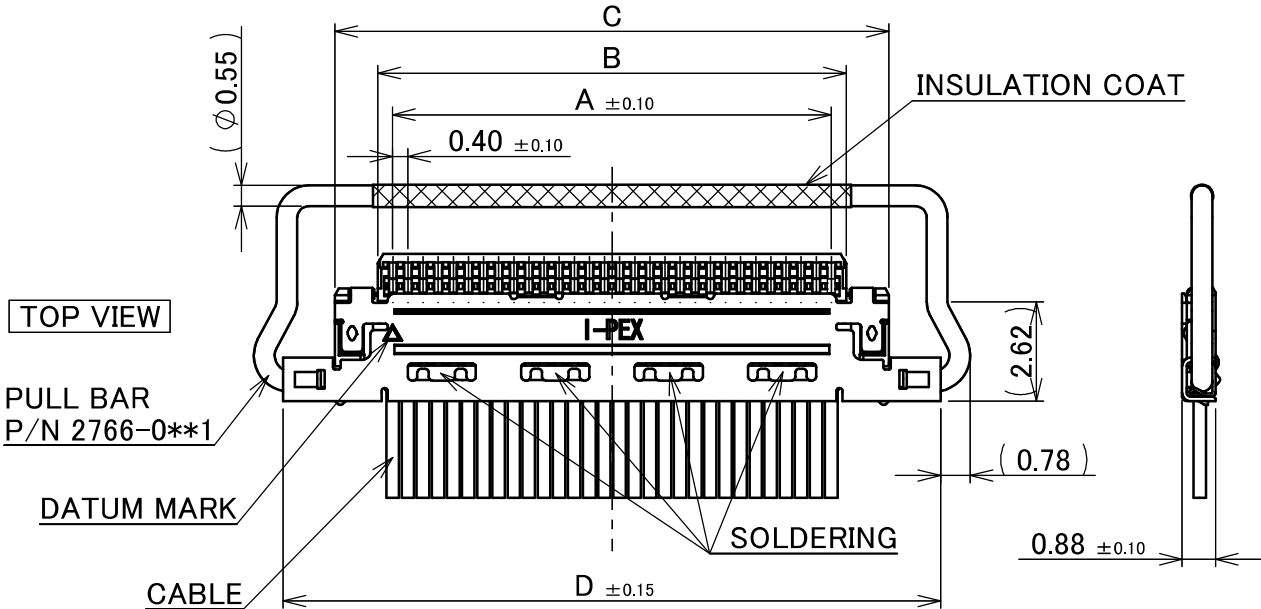
CABLE ASS'Y PART NO.	HOUSING ASS'Y PART NO.	SHELL A PART NO.	PULL BAR PART NO.
20633-2**T-01S	20634-1**T-02	2764-0**1-002	2766-0**1
20633-3**T-01S	20634-2**T-02	2764-0**1-003	

BOTTOM VIEW



PULL BAR MOVEMENTS

TOP VIEW



PATENT REGISTERED

TABLE.1

PART NO.	CONTACT FINISH	SHELL A FINISH	SHELL B FINISH
20633-2**T-0#S	CONTACT AREA Au 0.1 μm MIN. OVER Ni 1.00 μm MIN.	TOP SIDE Au 0.03 μm MIN. OVER Ni 1.00 μm MIN.	TOP SIDE Ni 1.00 μm MIN.(THERE IS THE POSSIBILITY THAT Au ATTACHES RANDOMLY)
	SOLDERING AREA Au 0.05 μm MIN. OVER Ni 1.00 μm MIN.	BOTTOM SIDE Ni 1.00 μm MIN.(THERE IS THE POSSIBILITY THAT Au ATTACHES RANDOMLY)	BOTTOM SIDE Au 0.03 μm MIN. OVER Ni 1.00 μm MIN.
20633-3**T-0#S	CONTACT AREA Au 0.03 μm MIN. OVER Ni 1.00 μm MIN. SOLDERING AREA Au 0.03 μm MIN. OVER Ni 1.00 μm MIN.	PARTIAL Au 0.003 μm MIN. OVER Ni 1.00 μm MIN.	PARTIAL Au 0.003 μm MIN. OVER Ni 1.00 μm MIN.

5	PULL BAR	SUS	
4	SHELL B	PHOSPHOR BRONZE	SEE ABOVE TABLE.1
3	SHELL A	PHOSPHOR BRONZE	SEE ABOVE TABLE.1
2	CONTACT	PHOSPHOR BRONZE	SEE ABOVE TABLE.1
1	HOUSING	LCP	UL94V-0, BLACK
NO.	DISCRIPTION	MATERIAL	FINISH , REMARKS

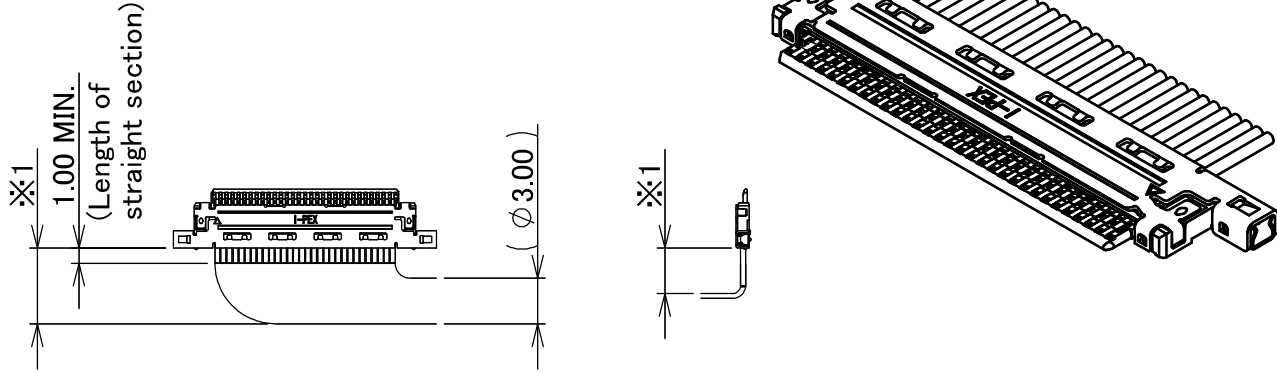
15	Z250930	K.W	2025/06/10	M.T	ANGLE	±2°	6 OVER 30 MAX.	±0.3		SERIES No.	CUSTOMER COPY		
14	Z250298	K.Ta	2025/02/26	T.M	6 MAX.	±0.2	30 OVER 120 MAX.	±0.5		R1R4R1			
13	Z241409	K.Ta	2024/10/09	T.M	GENERAL TOLERANCE.				TITLE CABLINE®-CA PLUG FOR CABLE ASSEMBLY		SCALE	I-PEX	
12	Z231028	H.U	2023/09/13	T.M	DWG.	DATE		5:1					
11	Z230040	K.B	2023/01/13	H.I	H.Mashima 2014/08/11		UNIT						
10	Z220247	TSU	2022/03/08	H.I	J.Tateishi		mm						
REV.	ECN	BY	DATE	APP.	APP.				DWG. No.	20633	SIZE	SHEET	REV.
REVISION RECORD					E.Kawabe						A3	1/5	15

PART NO.	POS.	A	B	C	D
20633-#10T-02S	10	3.60	4.40	6.66	9.40
20633-#12T-02S	12	4.40	5.20	7.46	10.20
20633-#20T-02S	20	7.60	8.40	10.66	13.40
20633-#30T-02S	30	11.60	12.40	14.66	17.40
20633-#40T-02S	40	15.60	16.40	18.66	21.40
20633-#50T-02S	50	19.60	20.40	22.66	25.40
20633-#60T-02S	60	23.60	24.40	26.66	29.40

P/N : 20633-#**T-0#S

1 : WITH PULL BAR
2 : WITHOUT PULL BAR
Pos.
SEE TABLE.1 (SHEET1/5)

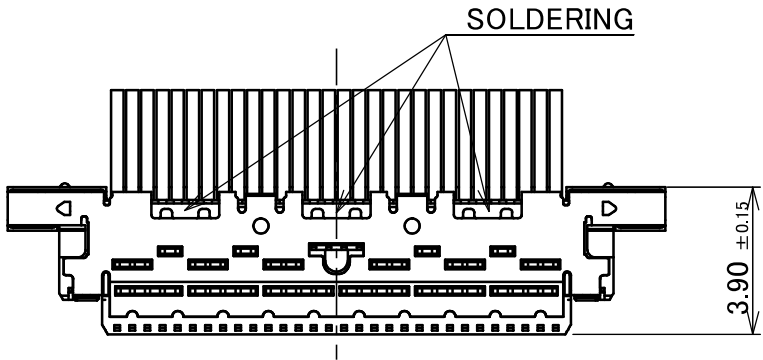
WITHOUT PULL BAR



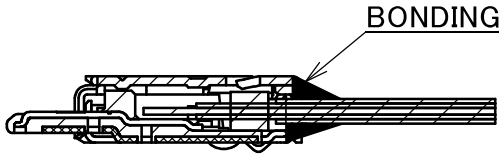
REFERENCE CABLE BENDING DIMENSIONS

※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.

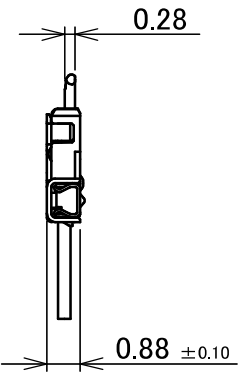
BOTTOM VIEW



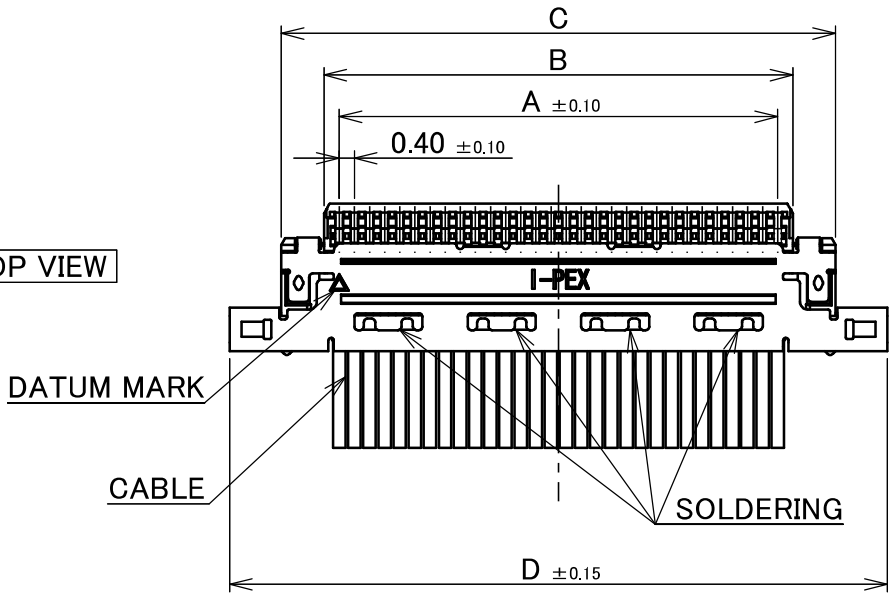
BONDING



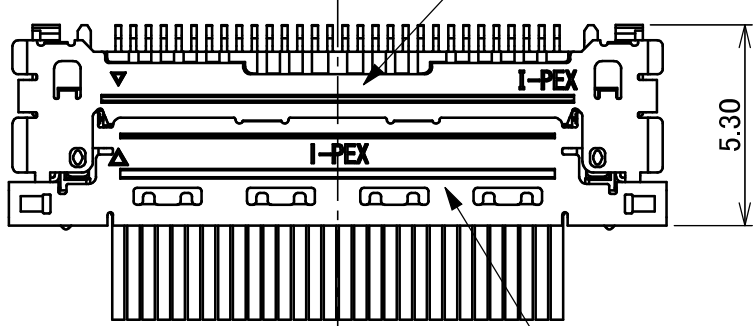
SECTION X-X
(S=10/1)



TOP VIEW



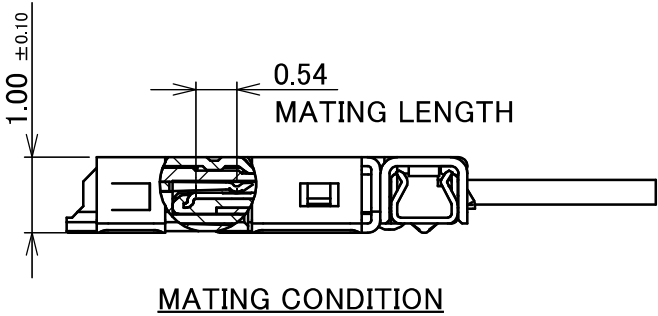
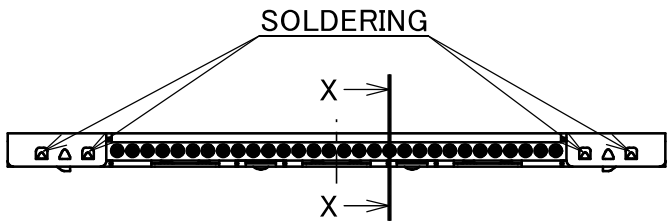
RECE. P/N : 20525-***E-0##



PLUG P/N : 20633-***T-02S

PART NO.

CABLE ASS'Y PART NO.	HOUSING ASS'Y PART NO.	SHELL-A PART NO.	PULL BAR PART NO.
20633-2**T-02S	20634-1**T-02	2764-0**1-002	-
20633-3**T-02S	20634-2**T-02	2764-0**1-003	



MATING CONDITION

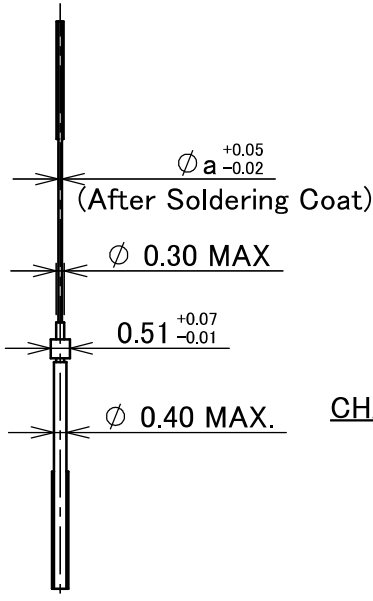
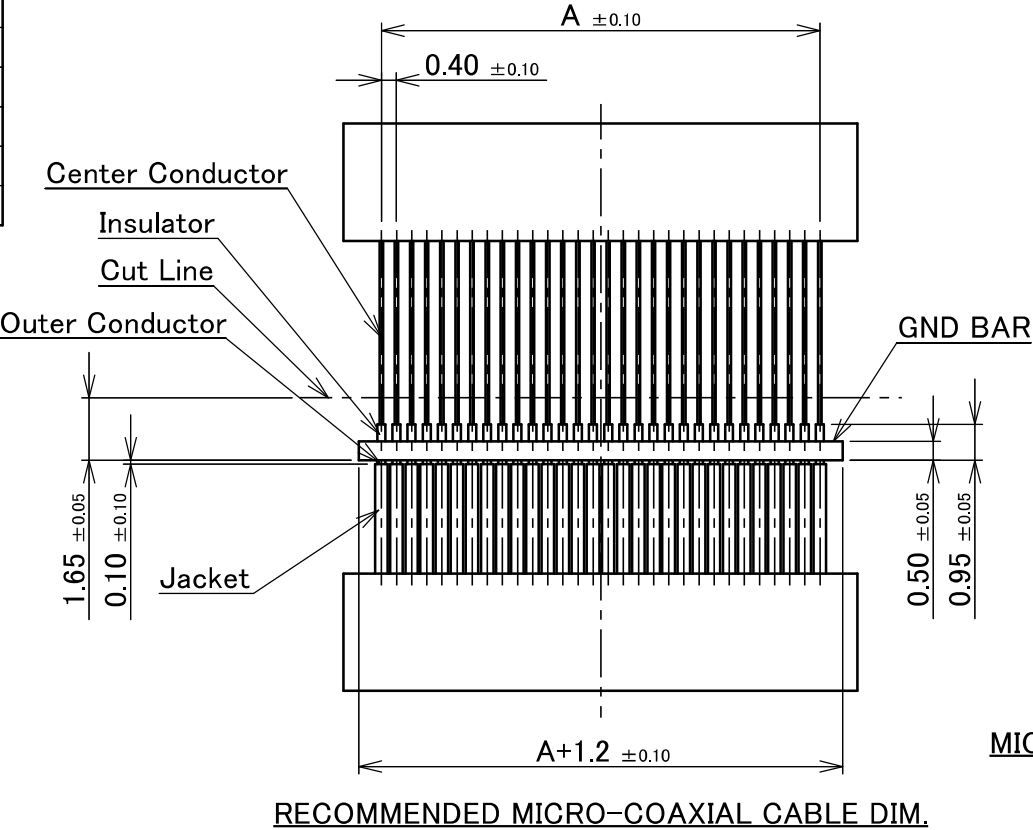
ANGLE	±2°	6 OVER 30 MAX.	±0.3		SERIES No. R1R4R1	CUSTOMER COPY			
6 MAX.	±0.2	30 OVER 120 MAX.	±0.5						
GENERAL TOLERANCE.				TITLE CABLIN [®] -CA PLUG FOR CABLE ASSEMBLY		SCALE	I-PEX		
DWG.	DATE					5:1			
CHK.				UNIT					
APP.				mm					
				DWG. No.	20633	SIZE	SHEET	REV.	
						A3	2/5	15	

PATENT REGISTERED

ITEMS	SPECIFICATION
APPLICABLE CABLE	MICRO-COAXIAL CABLE : AWG #44 , 42 , 40 , 38 , 36 DISCRETE WIRE : AWG #36, 34 TWINAXIAL CABLE : AWG #40 , 42
RATED VOLTAGE	100V 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.
RATED AMPERAGE (FOR CONTACT)	0.1A AC/DC [AWG #44] PER CONTACT PIN/UP TO 60 CONTACTS 0.24A AC/DC [AWG #42] PER CONTACT PIN/UP TO 50 CONTACTS 0.3A AC/DC [AWG #40] PER CONTACT PIN/UP TO 40 CONTACTS 0.5A AC/DC [AWG #38] PER CONTACT PIN/UP TO 14 CONTACTS 0.8A AC/DC [AWG #36] PER CONTACT PIN/UP TO 6 CONTACTS 1.0A AC/DC [AWG #34] PER CONTACT PIN/UP TO 4 CONTACTS TESTING BY A REAL MACHINE IS RECOMMENDED BECAUSE TEMPERATURE RISE MAY AFFECTED BY ACTUAL SITUATION.
OPERATING TEMPERATURE	233 TO 358K (−40°C TO 85°C)
OPERATING HUMIDITY	85% MAX.
CONTACT RESISTANCE	INITIAL : 180mohm MAX. (AWG #34) / AFTER TEST : $\triangle$ 40mohm MAX. 275mohm MAX. (AWG #36) 360mohm MAX. (AWG #38) 600mohm MAX. (AWG #40) 700mohm MAX. (AWG #42) 1080mohm MAX. (AWG #44)
GROUND SHELL RESISTANCE	INITIAL : 50mohm MAX. / AFTER TEST : $\triangle$ 40mohm MAX.
INSULATION RESISTANCE	INITIAL : 1000Mohm MIN. / AFTER TEST : 500Mohm MIN.
DIELECTRIC WITHSTANDING VOLTAGE	AC250V 1min
DURABILITY	30 CYCLES
MATING FORCE (INITIAL / AFTER 30 CYCLES)	10P : 7.80N MAX. 40P : 19.40N MAX. 12P : 8.20N MAX. 50P : 24.25N MAX. 20P : 9.70N MAX. 60P : 29.10N MAX. 30P : 14.55N MAX.
UNMATING FORCE (INITIAL / AFTER 30 CYCLES)	10P : 1.00N MIN. 40P : 4.00N MIN. 12P : 1.20N MIN. 50P : 5.00N MIN. 20P : 2.00N MIN. 60P : 6.00N MIN. 30P : 3.00N MIN.
CABLE RETENTION FORCE	10P : 4.90N MIN. 40P : 19.60N MIN. 12P : 5.88N MIN. 50P : 24.50N MIN. 20P : 9.80N MIN. 60P : 29.40N MIN. 30P : 14.70N MIN.
PRODUCT SPECIFICATION	PRS-1968
TEST REPORT	TR-14122 (20525-0**E-0##) / TR-16023 (20525-2**E-0##)
INSTRUCTION MANUAL	HIM-09008
ASSEMBLY MANUAL	ASM-09005
APPEARANCE CRITERIA No.	QLS-A***

ANGLE	±2°	6 OVER 30 MAX.	±0.3		SERIES No. R1R4R1	CUSTOMER COPY		
6 MAX.	±0.2	30 OVER 120 MAX.	±0.5					
GENERAL TOLERANCE.				TITLE CABL [®] —CA PLUG FOR CABLE ASSEMBLY	SCALE — UNIT mm			
DWG.	DATE							
CHK.								
APP.								
				DWG. No. 20633	SIZE A3	SHEET 3/5	REV. 15	

PART NO.	POS.	A
20633-#10T-0#S	10	3.60
20633-#12T-0#S	12	4.40
20633-#20T-0#S	20	7.60
20633-#30T-0#S	30	11.60
20633-#40T-0#S	40	15.60
20633-#50T-0#S	50	19.60
20633-#60T-0#S	60	23.60



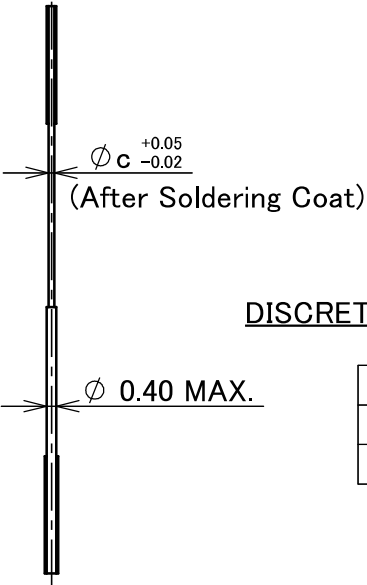
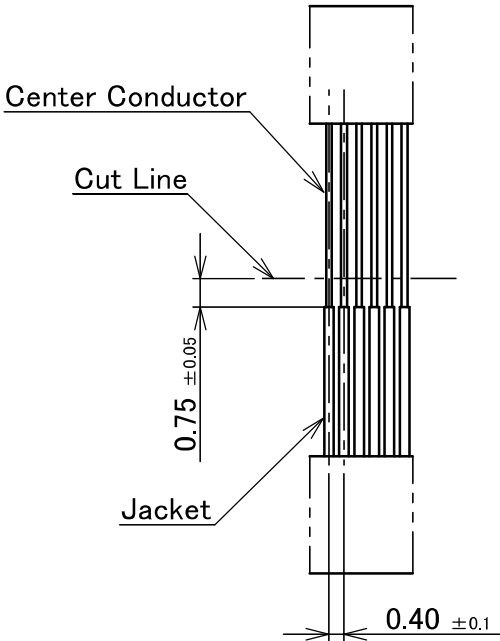
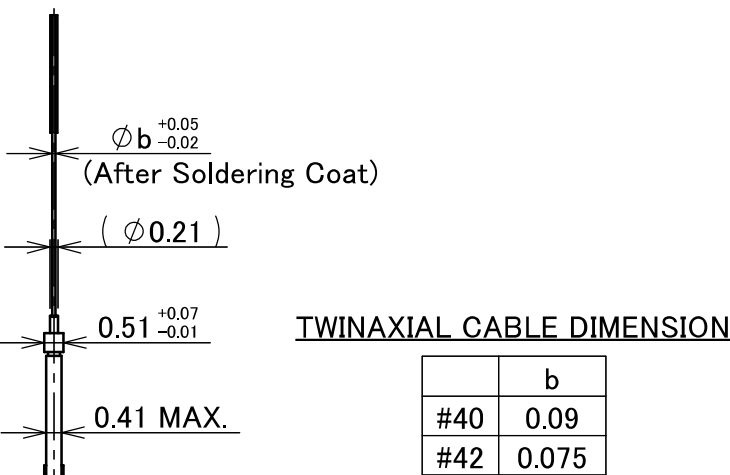
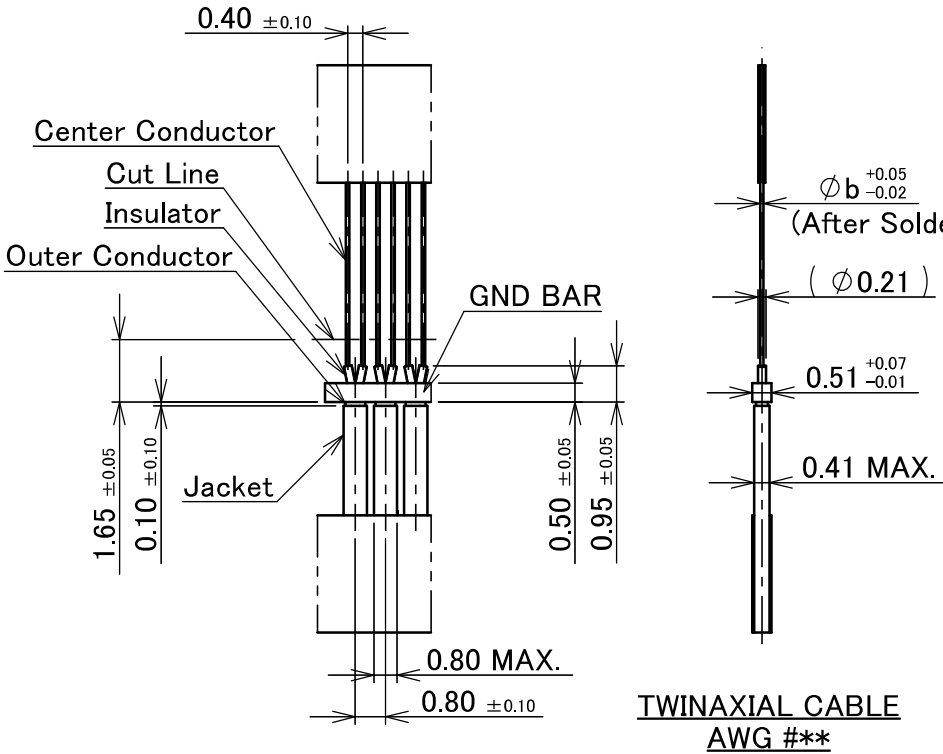
CHARACTERISTIC IMPEDANCE MATCHING MICRO-COAXIAL CABLE

	a
#38	0.12
#40	0.09
#42	0.075
#44	0.063

CHARACTERISTIC IMPEDANCE UN-MATCHING MICRO-COAXIAL CABLE

	a
#36	0.15

MICRO-COAXIAL CABLE #36 : NOT RECOMMENDED FOR
HIGH SPEED SIGNAL TRANSFER



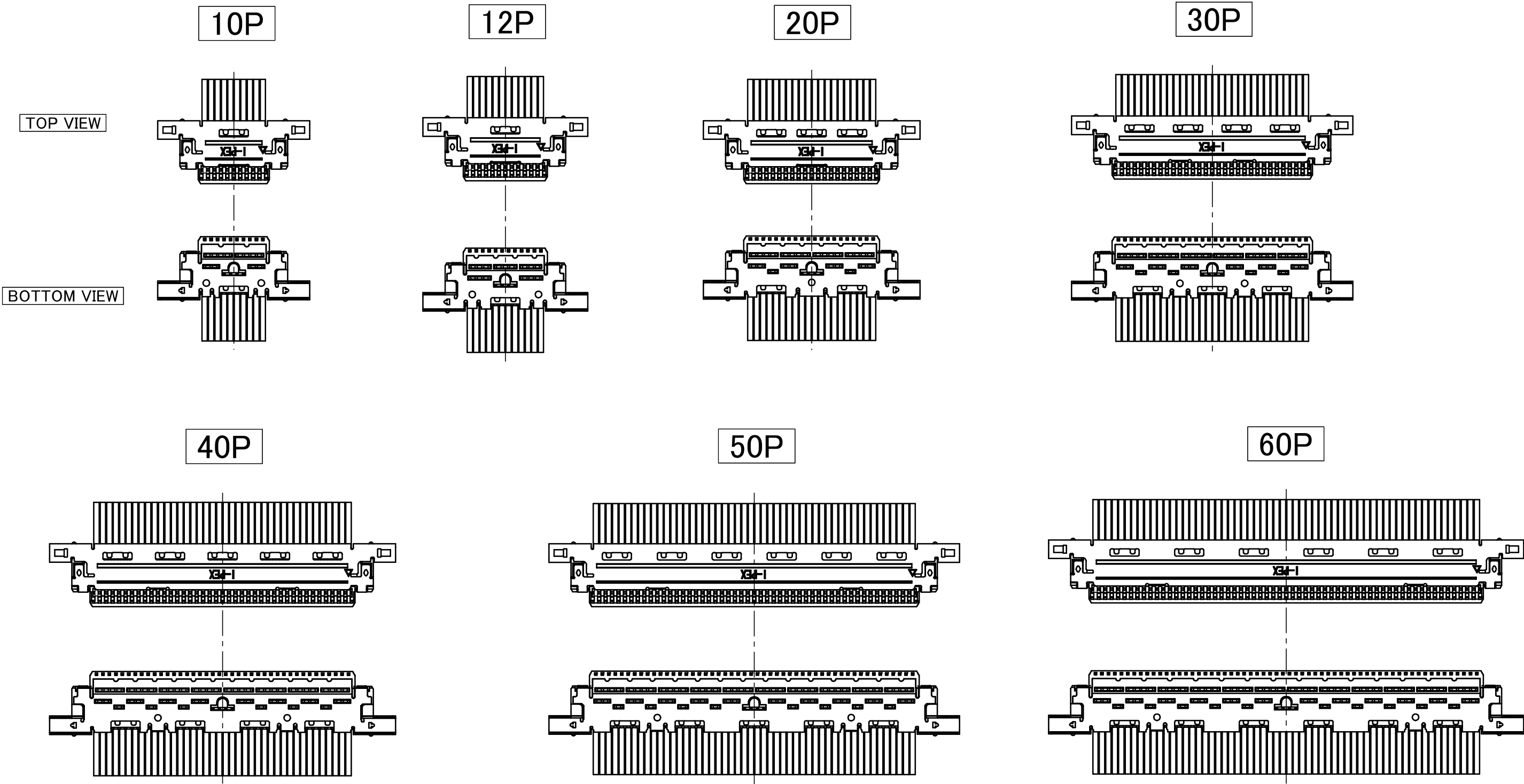
DISCRETE WIRE DIMENSION

	c
#34	0.192
#36	0.15

ANGLE	±2°	6 OVER 30 MAX.	±0.3		SERIES No.	CUSTOMER COPY		
6 MAX.	±0.2	30 OVER 120 MAX.	±0.5		R1R4R1			
GENERAL TOLERANCE.				TITLE CABLIN [®] -CA PLUG FOR CABLE ASSEMBLY		SCALE	I-PEX	
DWG.	DATE					5:1		
CHK.						UNIT		
APP.						mm		
				DWG. No.	SIZE	SHEET	REV.	
				20633	A3	4/5	15	

PART NO.
20633-***T-0#S

THE EXTERNAL APPEARANCE



ANGLE	±2°	6 OVER 30 MAX.	±0.3		SERIES No. R1R4R1	CUSTOMER COPY		
6 MAX.	±0.2	30 OVER 120 MAX.	±0.5					
GENERAL TOLERANCE.				TITLE CABLIN [®] -CA PLUG FOR CABLE ASSEMBLY		SCALE	I-PEX	
DWG.	DATE					4:1		
CHK.						UNIT		
APP.						mm		
				DWG. No. 20633		SIZE	SHEET	REV.
						A3	5/5	15