

PART NO.	Pos.	A	B	C	D	E
20846-020T-0#	20	15.30	9.50	10.30	12.56	16.85
20846-030T-0#	30	20.30	14.50	15.30	17.56	21.85
20846-040T-0#	40	25.40	19.50	20.30	22.56	26.85

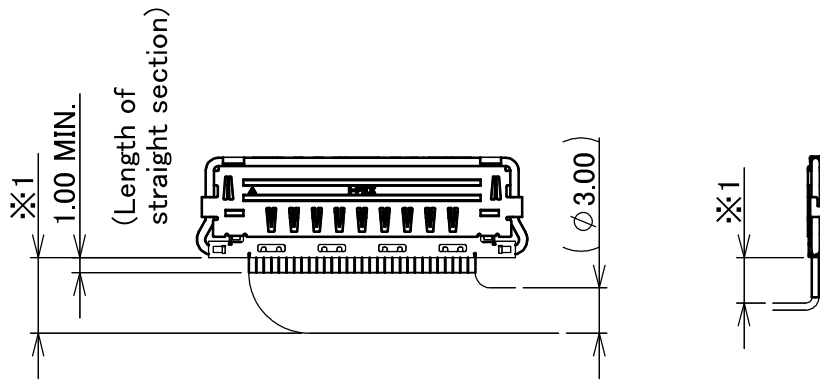
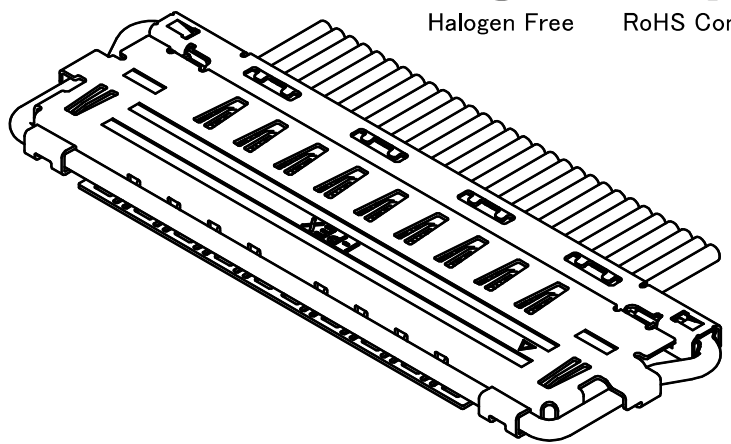
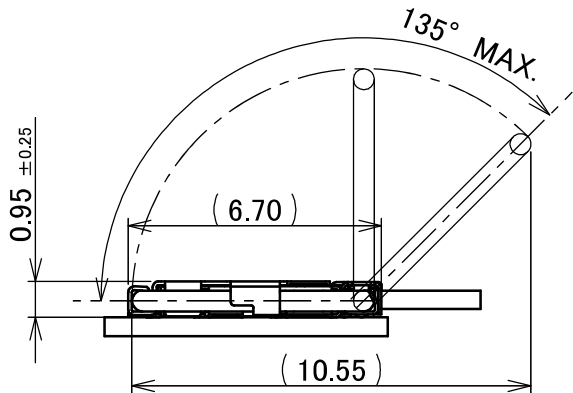
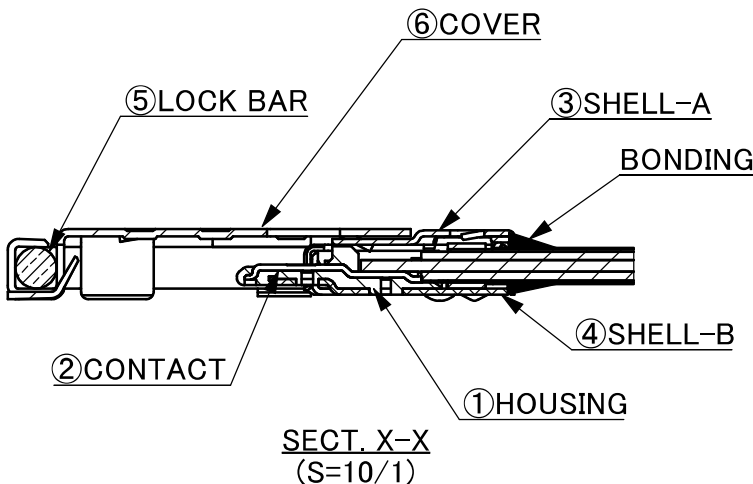
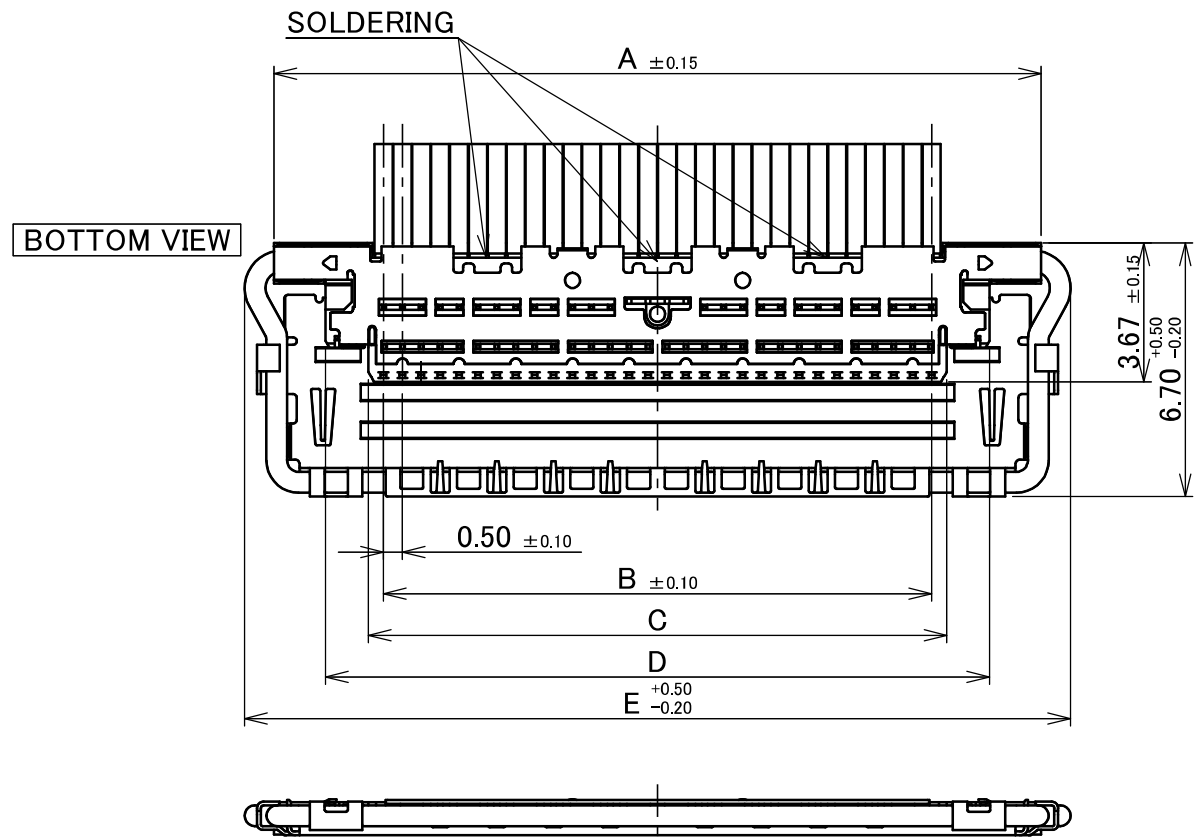
PATENT REGISTERED



Halogen Free



RoHS Compliant



※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 FINISH
20846-0**T-01	CONTACT & SOLDERING AREA : Au 0.03 μ m MIN. OVER Ni 1.00 μ m MIN.
20846-0**T-02	CONTACT AREA : Au 0.38 μ m MIN. OVER Ni 1.27 μ m MIN. SOLDERING AREA : Au 0.03 μ m MIN. OVER Ni 1.00 μ m MIN.

6	COVER	PHOSPHOR BRONZE	ALL OVER Ni 1.00 μ m MIN.
5	LOCK BAR	SUS	-
4	SHELL-B	PHOSPHOR BRONZE	PARTIAL Au 0.003 μ m MIN. OVER Ni 1.00 μ m MIN.
3	SHELL-A	PHOSPHOR BRONZE	PARTIAL Au 0.003 μ m MIN. OVER Ni 1.00 μ m MIN.
2	CONTACT	PHOSPHOR BRONZE	SEE TABLE 1
1	HOUSING	LCP	UL94V-0, BLACK
NO.	DISCRIPTION	MATERIAL	FINISH , REMARKS

14	Z250980	K.W	2025/06/18	M.T	ANGLE	±2°	6 OVER 30 MAX.	±0.3		SERIES No. R2R1R1	CUSTOMER COPY		
13	Z250308	K.Ta	2025/02/27	T.M	6 MAX.	±0.2	30 OVER 120 MAX.	±0.5					
12	Z241386	K.Ta	2024/10/07	T.M	GENERAL TOLERANCE.				TITLE CABLINE®-VS II PLUG CABLE ASSEMBLY		SCALE	I-PEX	
11	Z231032	H.U	2023/09/26	T.M	DWG.	DATE		UNIT					
10	Z220121	M.N	2022/02/04	H.I	K.Baba		2017/07/25						
9	Z210548	M.N	2021/05/26	H.I	CHK.	T.Kurachi							
REV.	ECN	BY	DATE	APP.	APP.				DWG. No.		SIZE	SHEET	REV.
REVISION RECORD					Y.Shimada				20846		A3	1/3	14

BOTTOM VIEW

TOP VIEW

DATUM MARK

CABLE

SOLDERING

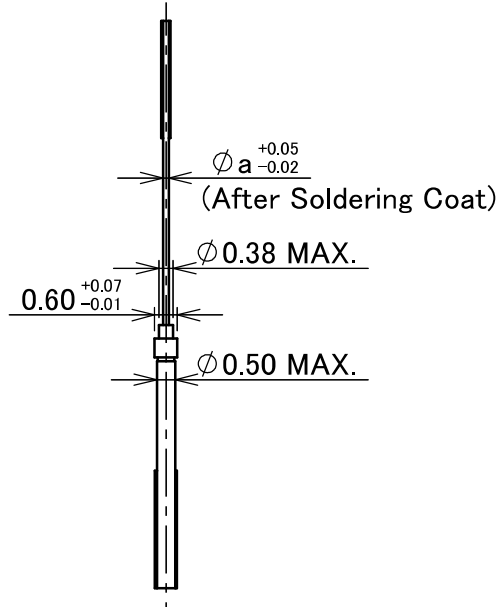
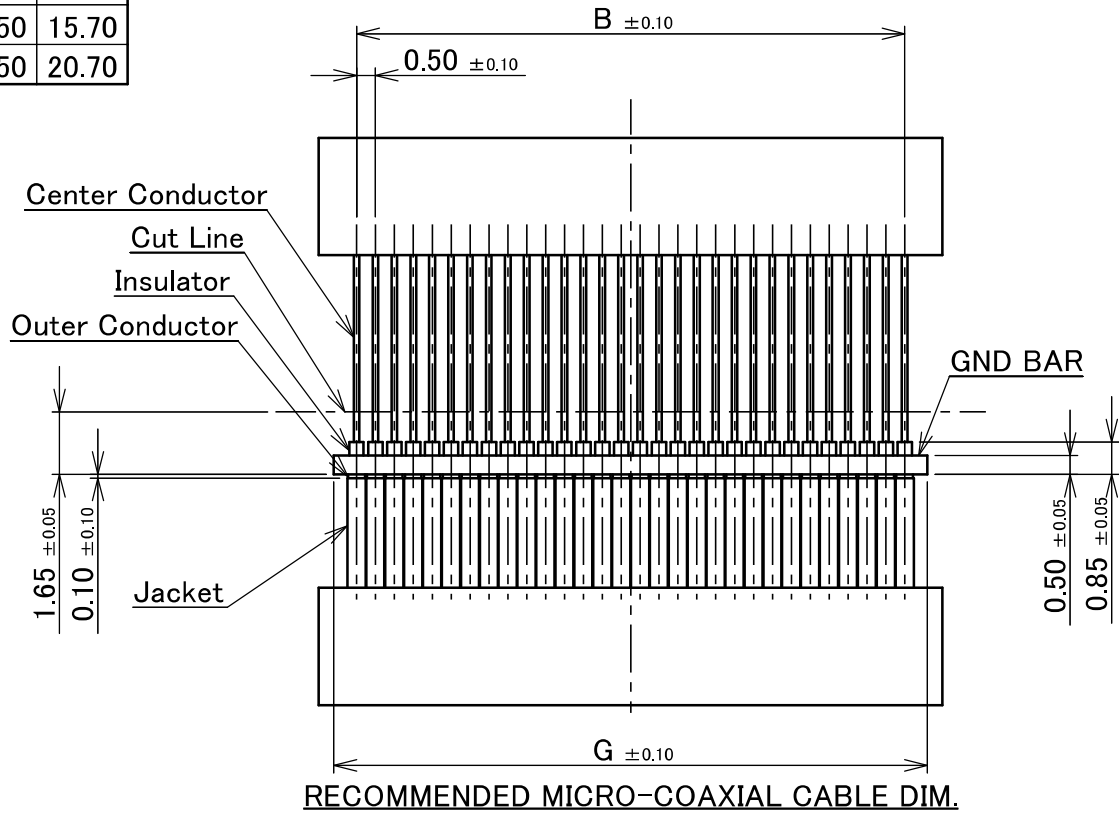
SOLDERING

ITEMS	SPECIFICATION
APPLICABLE CABLE	MICRO-COAXIAL CABLE : AWG #44 , 42 , 40 , 38 , 36 DISCRETE WIRE : AWG #36 , 34 , 32 TWINAXIAL CABLE : AWG #40
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 40 CONTACTS 0.24A AC/DC [AWG #42] PER CONTACT PIN/UP TO 40 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 23 CONTACTS 0.8A AC/DC [AWG #36] PER CONTACT PIN/UP TO 10 CONTACTS 1.0A AC/DC [AWG #34] FOR POWER PER CONTACT/UP TO 9 CONTACTS 1.0A AC/DC [AWG #32] FOR POWER PER CONTACT/UP TO 9 CONTACTS ※TESTING BY A REAL MACHINE IS RECOMMENDED BECAUSE TEMPERATURE RISE MAY AFFECTED BY ACTUAL SITUATION
OPERATING TEMPERATURE	233 TO 378K(−40°C TO +105°C)
OPERATING HUMIDITY	85% MAX.
CONTACT RESISTANCE	INITIAL : 140mohm MAX.(AWG #32) / AFTER TEST : $\triangle$ 40mohm MAX. 180mohm MAX.(AWG #34) 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)	20P : 9.70N MAX. 30P : 14.55N MAX. 40P : 19.40N MAX.
UNMATING FORCE (INITIAL / AFTER 30 CYCLES)	20P : 2.00N MIN. 30P : 3.00N MIN. 40P : 4.00N MIN.
CABLE RETENTION FORCE	20P : 9.80N MIN. 30P : 14.70N MIN. 40P : 19.60N MIN.
PRODUCT SPECIFICATION	PRS-2398
TEST REPORT	TR-17060 (20846-0**T-01) / TR-18048 (20846-0**T-02)
INSTRUCTION MANUAL	HIM-17015
ASSEMBLY MANUAL	ASM-17005
APPEARANCE CRITERIA No.	QLS-A***

ANGLE	±2°	6 OVER 30 MAX.	±0.3	PROJECTION 	SERIES No. R2R1R1	CUSTOMER COPY		
6 MAX.	±0.2	30 OVER 120 MAX.	±0.5					
GENERAL TOLERANCE.				TITLE CABLINE® –VS II PLUG CABLE ASSEMBLY		SCALE	I-PEX	
DWG.	DATE					—		
CHK.						UNIT		
APP.						mm		
				DWG. No. 20846		SIZE A3	SHEET 2/3	REV. 14

PART NO.	Pos.	B	G
20846-020T-0#	20	9.50	10.70
20846-030T-0#	30	14.50	15.70
20846-040T-0#	40	19.50	20.70

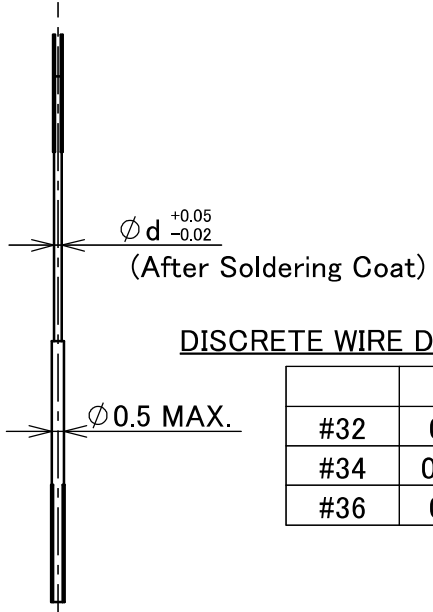
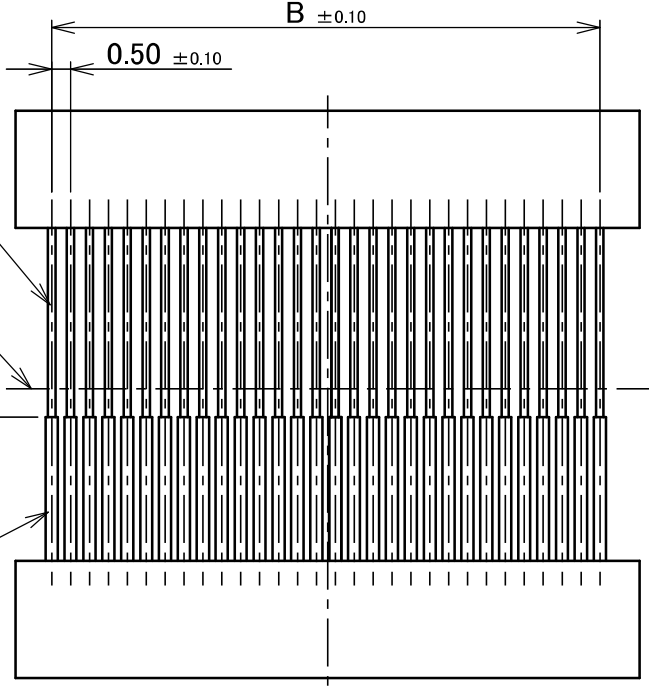
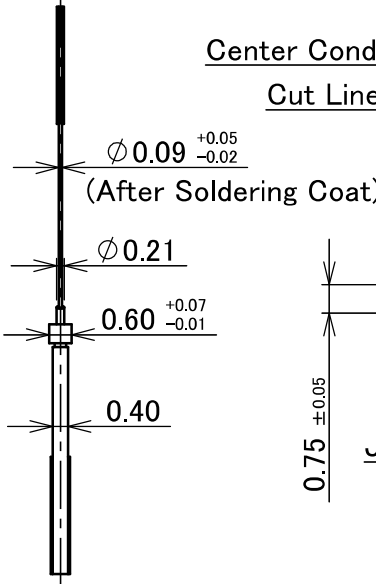
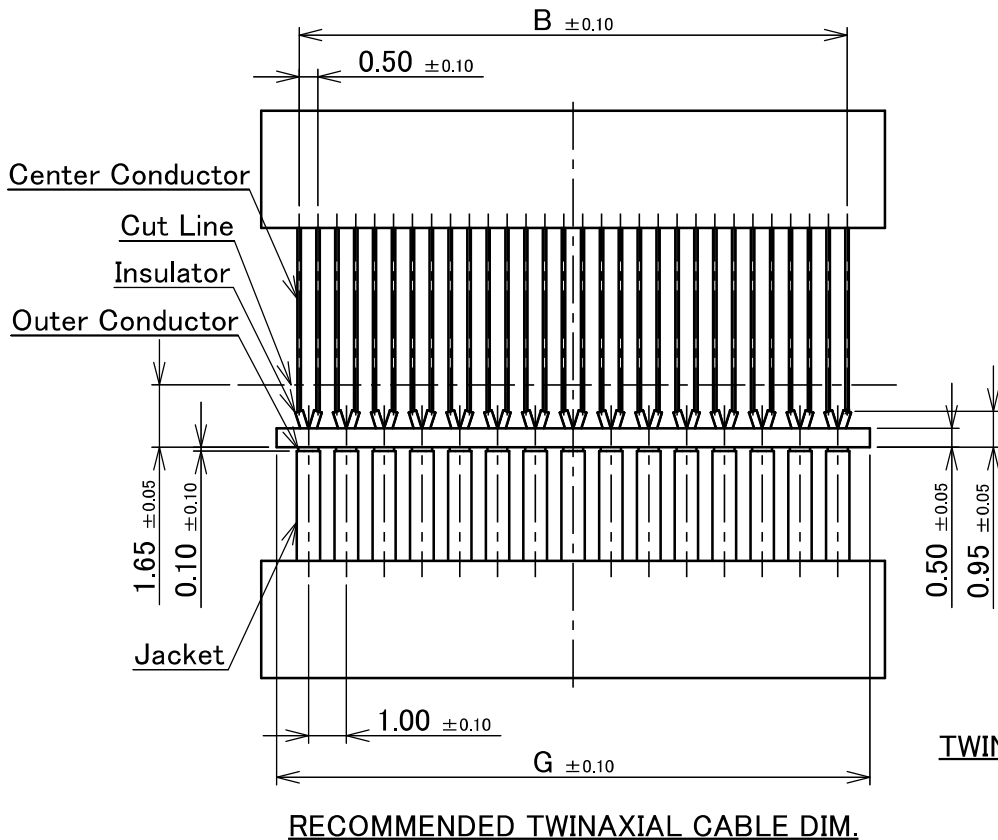
PATENT REGISTERED



MICRO-COAXIAL CABLE DIMENSION

	a
#36	0.15
#38	0.12
#40	0.09
#42	0.075
#44	0.063

MICRO-COAXIAL CABLE AWG #**



DISCRETE WIRE DIMENSION

	d
#32	0.24
#34	0.192
#36	0.15

DISCRETE WIRE AWG #**

ANGLE	±2°	6 OVER 30 MAX.	±0.3	PROJECTION	SERIES No.	CUSTOMER COPY		
6 MAX.	±0.2	30 OVER 120 MAX.	±0.5		R2R1R1			
GENERAL TOLERANCE.				TITLE CABLINE® –VS II PLUG CABLE ASSEMBLY		SCALE		
DWG.	DATE					5:1		
CHK.						UNIT		
APP.						mm		
				DWG. No.	20846	SIZE	SHEET	REV.
						A3	3/3	14