

Recommended P/N 20437-0**T-01

PART No.	POS.	A	B	C
20437-030T-*1	30	14.50	10.50	20.80
20437-040T-*1	40	19.50	15.50	25.80
20437-050T-*1	50	24.50	20.50	30.80

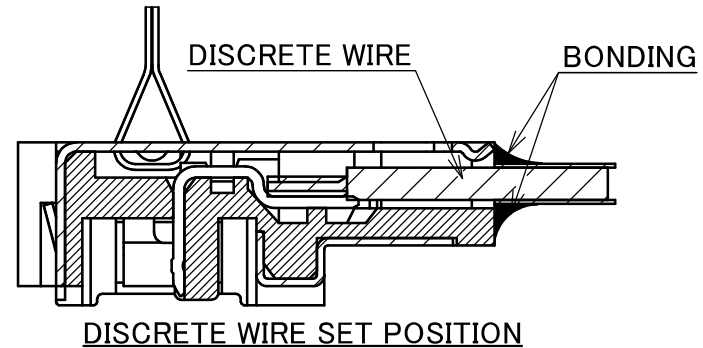
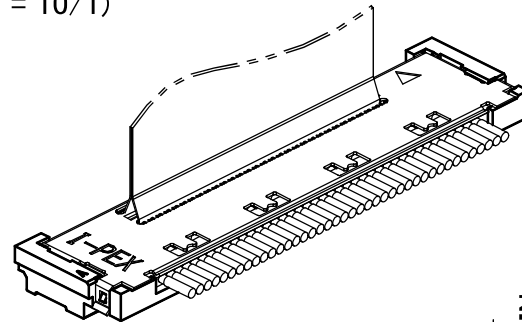
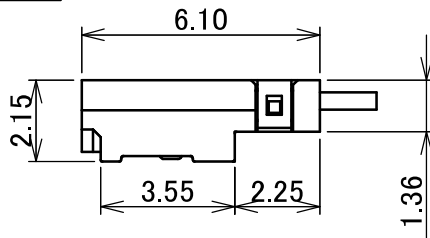
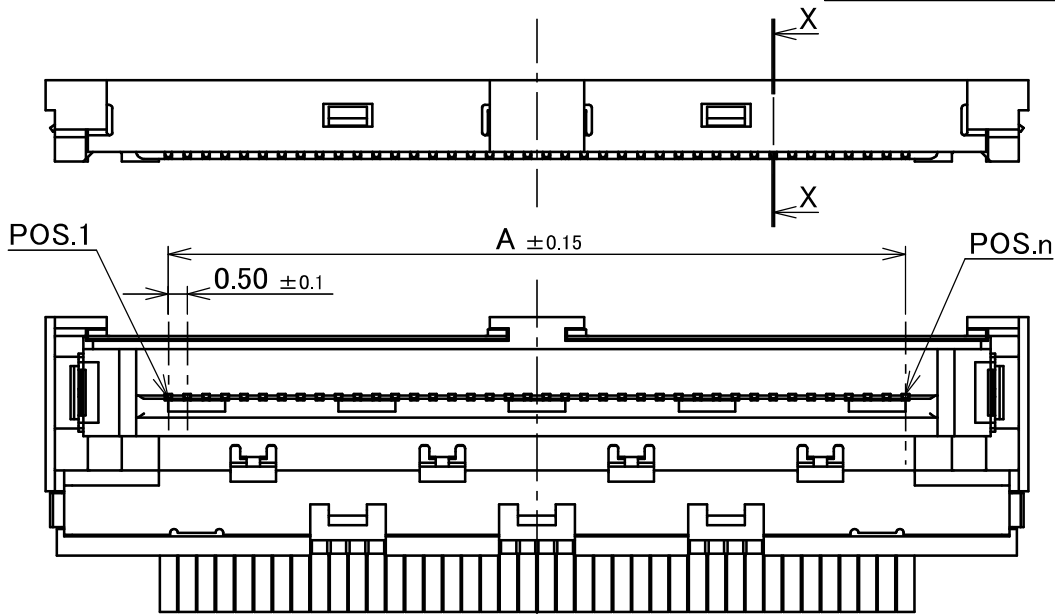
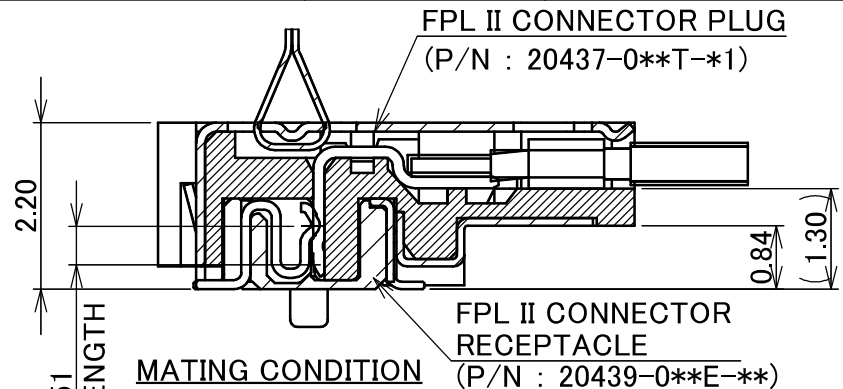
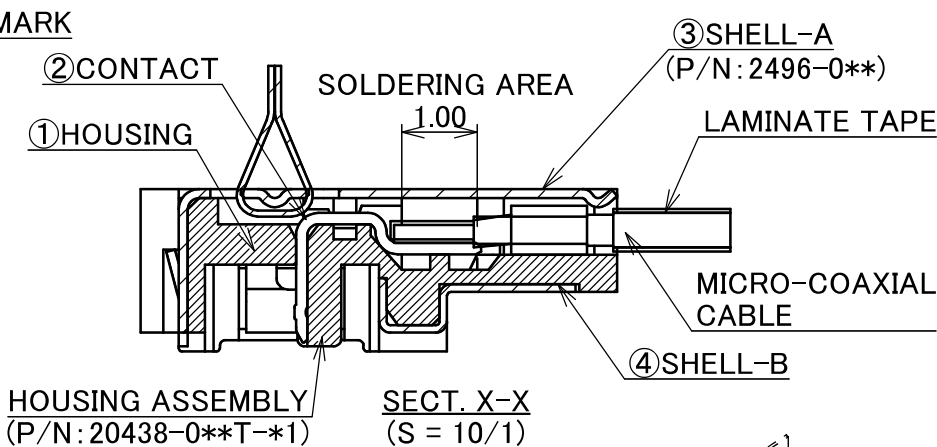
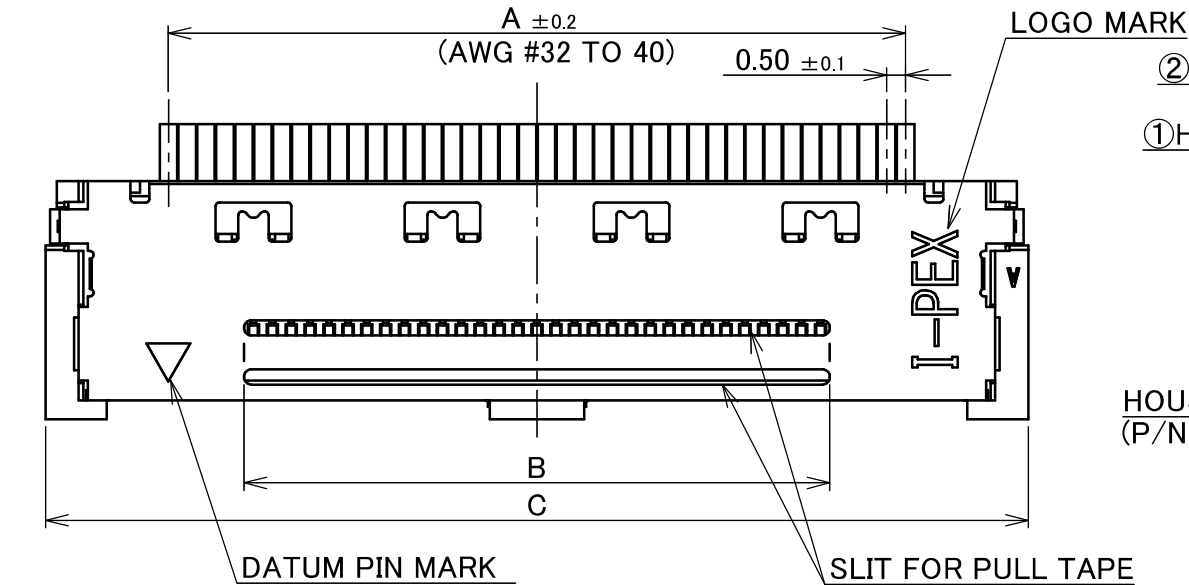


Halogen Free

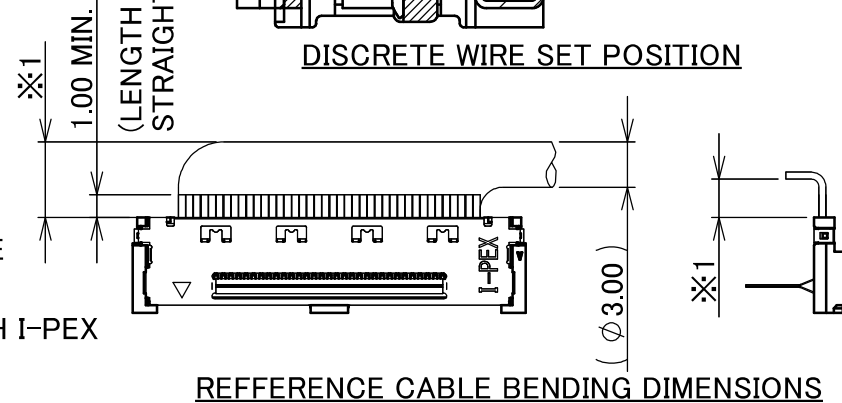


RoHS Compliant

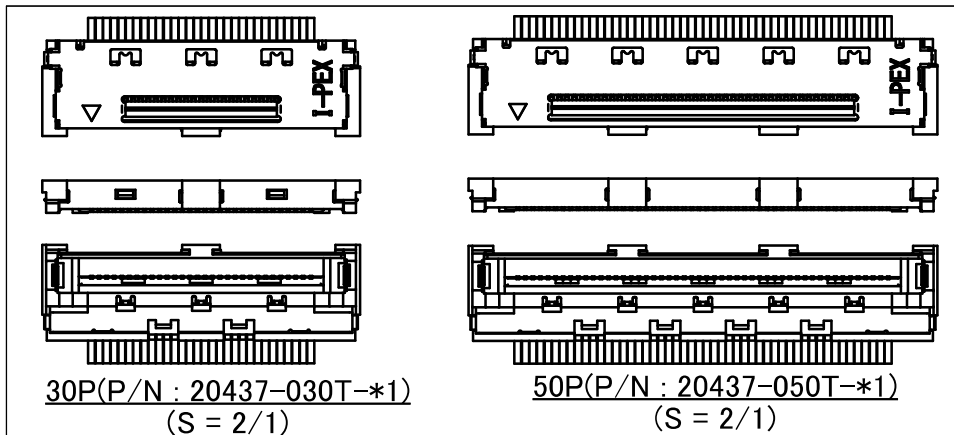
CABLE ASSEMBLY PART No.	HOUSING ASSEMBLY PART No.	SHELL-A PART No.	CONTACT FINISH (MATING AREA).
20437-0**T-01	20438-0**T-01	2496-0**	Au 0.10 μ m MIN.
20437-0**T-11	20438-0**T-11		Au 0.30 μ m MIN.



※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.



40P(P/N : 20437-040T-*1)



CAUTION VISIT OUR WEBSITE FOR LATEST VERSIONS OF INSTRUCTION MANUAL NO. HIM-09007 TO HANDLE THE PRODUCT PROPERLY AND SAFELY.

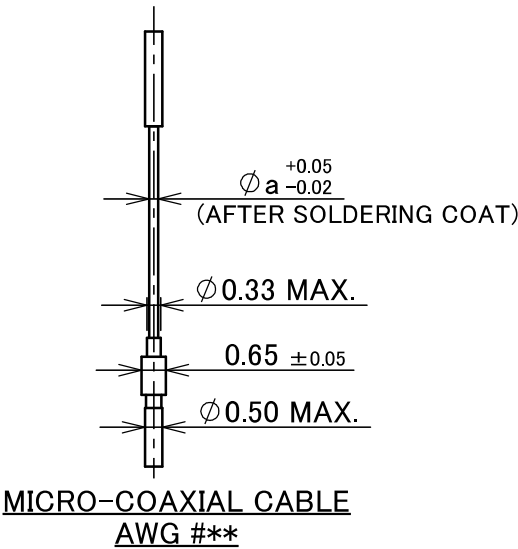
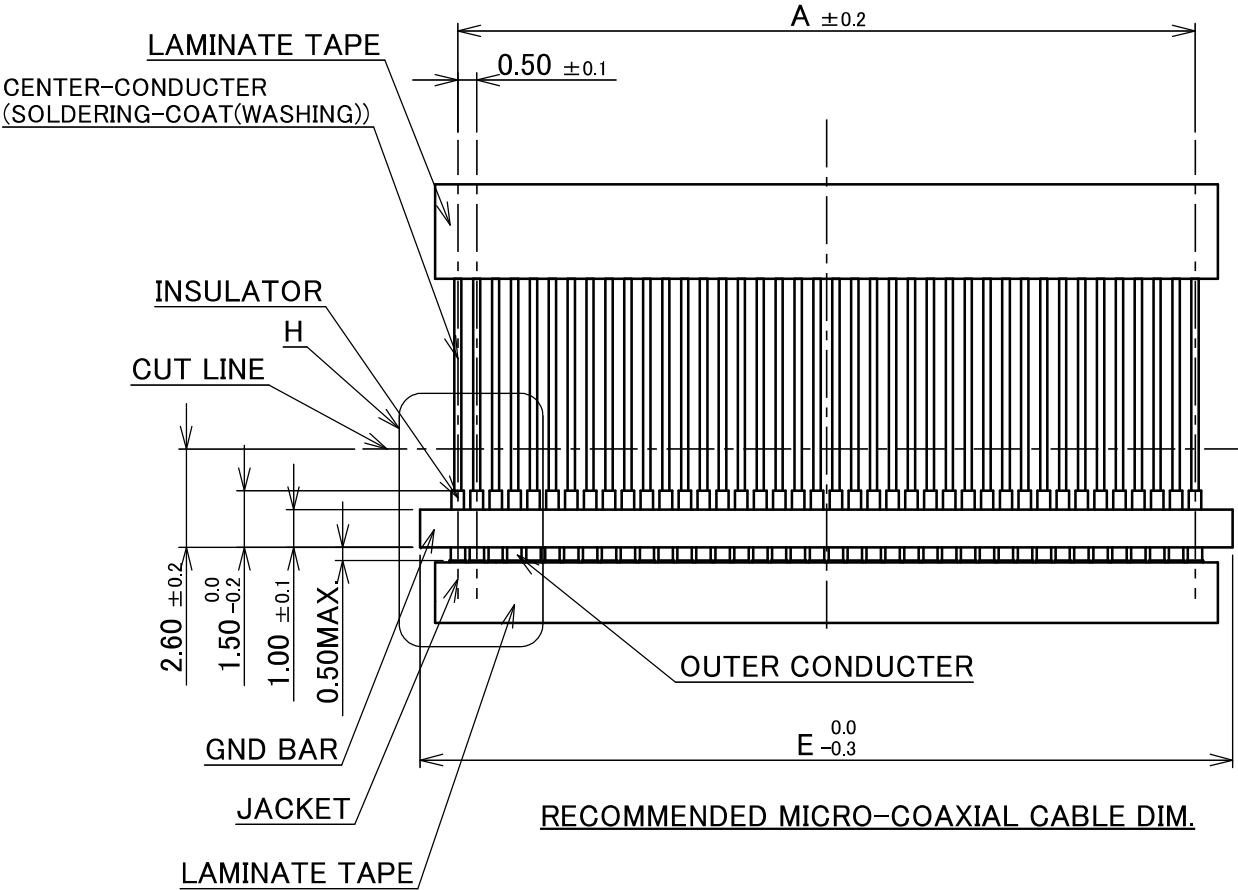
4	SHELL-B	PHOSPHOR BRONZE	Sn 2.00 μ m MIN. OVER Ni 1.00 μ m MIN.
3	SHELL-A	PHOSPHOR BRONZE	Sn 2.00 μ m MIN. OVER Ni 1.00 μ m MIN.
2	CONTACT	PHOSPHOR BRONZE	PART NO. 20437-0**T-01 MATING AREA : Au 0.10 μ m MIN. OVER Ni 1.00 μ m MIN. OTHER AREA : Au 0.05 μ m MIN. OVER Ni 1.00 μ m MIN. PART NO. 20437-0**T-11 MATING AREA : Au 0.30 μ m MIN. OVER Ni 1.00 μ m MIN. OTHER AREA : Au 0.05 μ m MIN. OVER Ni 1.00 μ m MIN.
1	HOUSING	LCP	UL94V-0, BLACK
NO.	DISCRIPTION	MATERIAL	FINISH , REMARKS

20	Z250837	Y.I	2025/05/28	M.T	ANGLE	±2°	6 OVER 30 MAX.	±0.3		SERIES No. R5R2	CUSTOMER COPY		
19	Z241419	T.Ono	2024/10/11	T.M	6 MAX.	±0.2	30 OVER 120 MAX.	±0.5					
18	Z240753	W.L	2024/06/17	M.T	GENERAL TOLERANCE.				TITLE FPL™II PLUG CABLE ASSEMBLY	SCALE 5:1 UNIT mm			
17	Z231014	H.U	2023/09/26	T.M	DWG.	K.Tanaka	DATE 2007/04/16						
16	Z230076	T.Ono	2023/01/19	T.M	CHK.								
15	Z220359	T.Ono	2022/04/01	H.I	Y.Hashimoto								
REV.	ECN	BY	DATE	APP.									
REVISION RECORD					T.Harada				DWG. No. 20437		SIZE A3	SHEET 1/3	REV. 20

ITEMS	SPECIFICATION
APPLICABLE CABLE	MICRO-COAXIAL CABLE : AWG #40, 38, 36, 34, 32 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 CURRENT (FOR CONTACT)	0.3A AC/DC [AWG #40] PER CONTACT PIN / UP TO 50 CONTACTS 0.6A AC/DC [AWG #38] PER CONTACT PIN / UP TO 6 CONTACTS 0.8A AC/DC [AWG #36] PER CONTACT PIN / UP TO 4 CONTACTS 1.0A AC/DC [AWG #34, 32] PER CONTACT PIN / UP TO 7 CONTACTS TESTING BY 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 : 145mohm MAX.(AWG #32) / AFTER TEST : $\triangle$ 40mohm MAX. 185mohm MAX.(AWG #34) 210mohm MAX.(AWG #36) 335mohm MAX.(AWG #38) 575mohm MAX.(AWG #40)
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 TEST)	30P : 50.0N MAX. / 40P : 60.0N MAX. / 50P : 70.0N MAX.
UNMATING FORCE (INITIAL / AFTER TEST)	30P : 5.0N MIN. / 40P : 6.0N MIN. / 50P : 7.0N MIN.
CABLE RETENTION FORCE	30.0N MIN.
COPLANARITY	0.10 MAX.
PRODUCT SPECIFICATION	PRS-1383
TEST REPORT	TR-07048
PACKING STANDARD	PLUG HOUSING ASSEMBLY : 300-584 / PLUG SHELL-A : 300-585
INSTRUCTION MANUAL	HIM-09007
ASSEMBLY MANUAL	ASM-07005
APPEARANCE CRITERIA No.	QLS-A***

ANGLE	±2°	6 OVER 30 MAX.	±0.3	PROJECTION 	SERIES No. R5R2	CUSTOMER COPY		
6 MAX.	±0.2	30 OVER 120 MAX.	±0.5					
GENERAL TOLERANCE.				TITLE FPL™II PLUG CABLE ASSEMBLY	SCALE UNIT mm	I-PEX		
DWG.	DATE							
CHK.								
APP.								
				DWG. No. 20437	SIZE A3	SHEET 2/3	REV. 20	

PART No.	POS.	A	D	E
20437-030T-*1	30	14.50	15.70	17.50
20437-040T-*1	40	19.50	20.70	22.50
20437-050T-*1	50	24.50	25.70	27.50



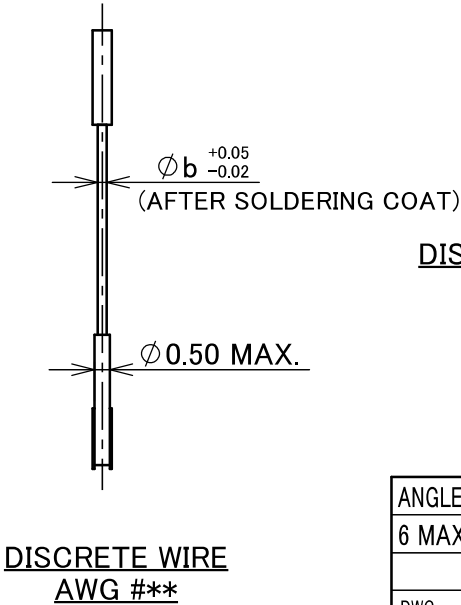
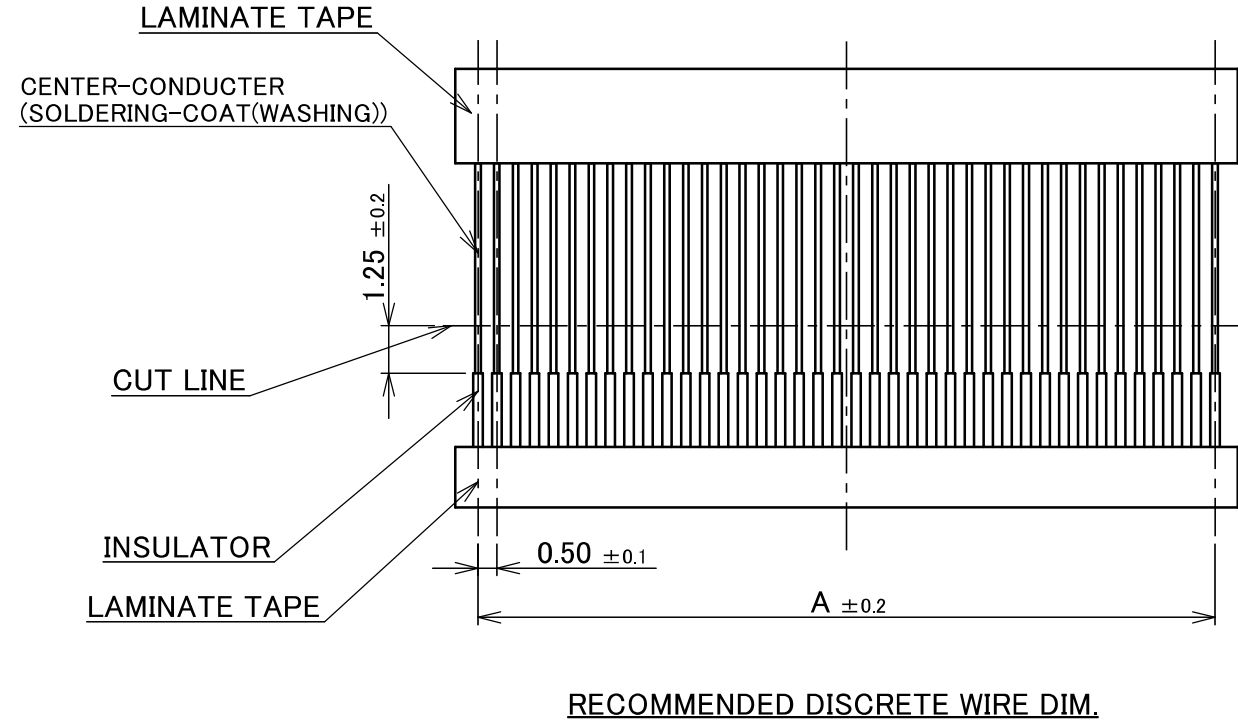
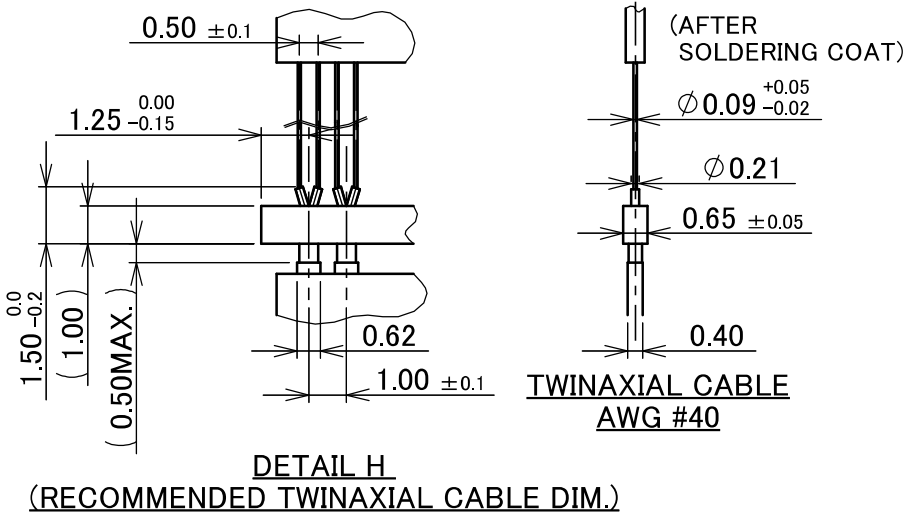
CHARACTERISTIC IMPEDANCE MATCHING MICRO-COAXIAL CABLE

	a
#36	0.15
#38	0.12
#40	0.09

CHARACTERISTIC IMPEDANCE UN-MATCHING MICRO-COAXIAL CABLE

	a
#32	0.24
#34	0.192

MICRO-COAXIAL CABLE #32, 34 : NOT RECOMMENDED FOR HIGH SPEED SIGNAL TRANSFAER



DISCRETE WIRE DIMENSION

	b
#32	0.24
#34	0.192
#36	0.15

ANGLE	±2°	6 OVER 30 MAX.	±0.3	PROJECTION	SERIES No.	CUSTOMER COPY		
6 MAX.	±0.2	30 OVER 120 MAX.	±0.5	⊕	R5R2			
GENERAL TOLERANCE.				TITLE		SCALE		
DWG.	DATE			FPL™ II		5:1		
CHK.				PLUG CABLE ASSEMBLY		UNIT	I-PEX	
APP.				DWG. No.		SIZE	SHEET	REV.
				20437		A3	3/3	20