

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

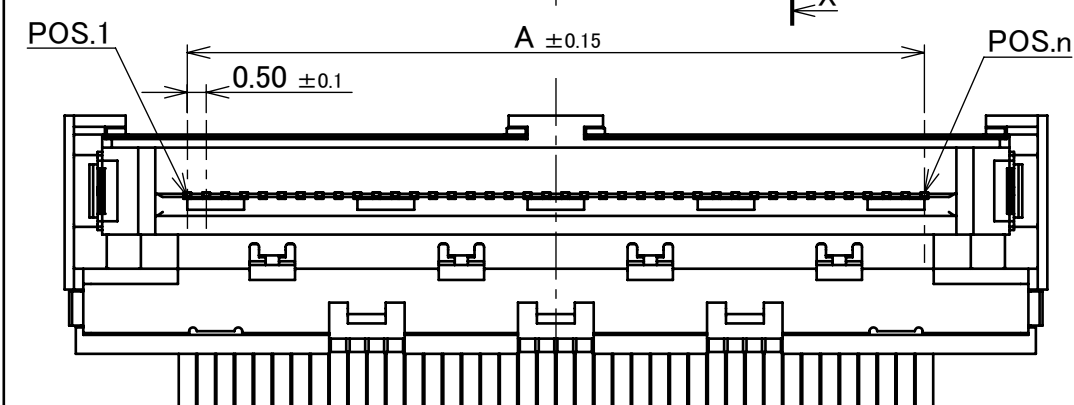
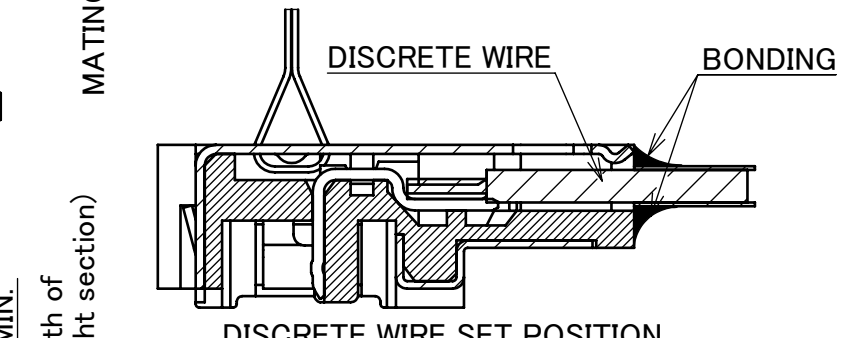
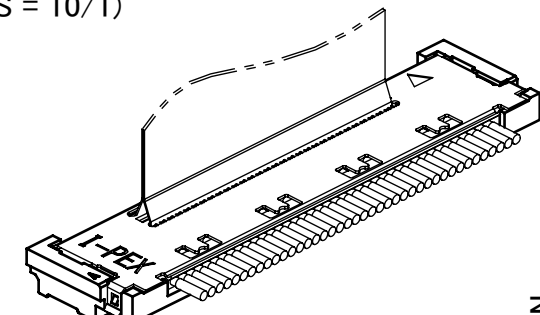
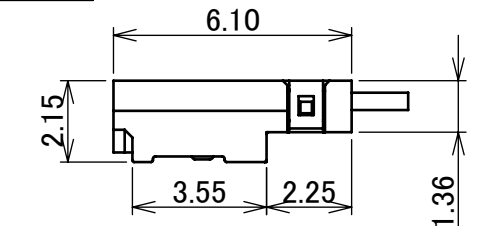
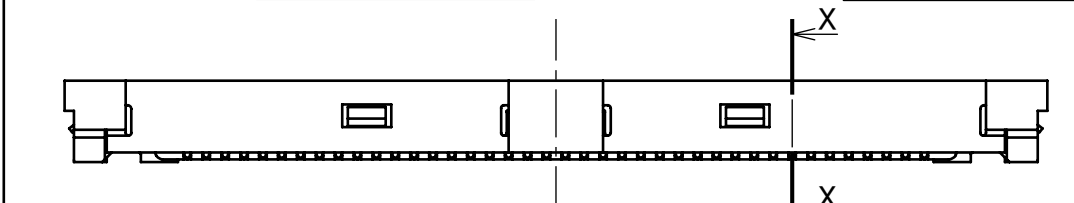
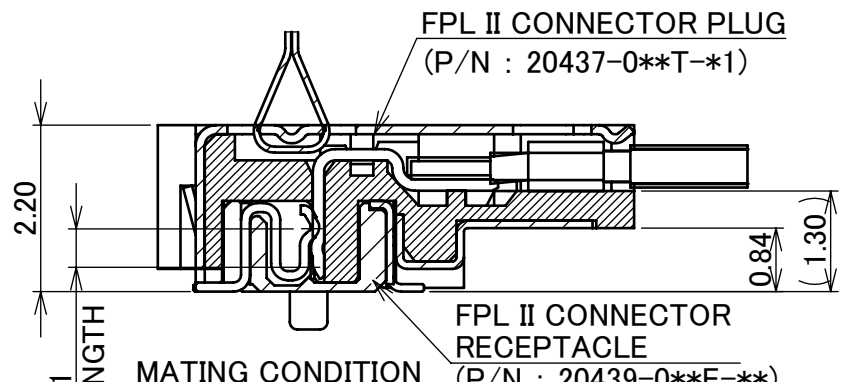
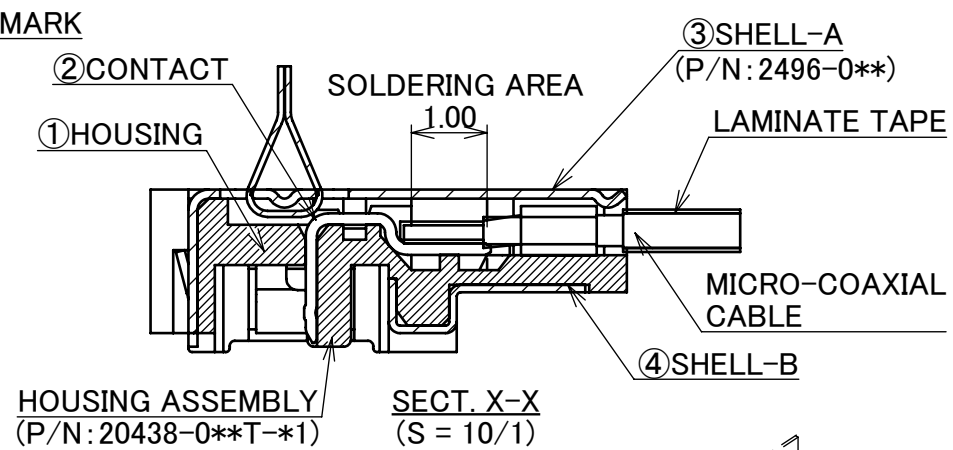
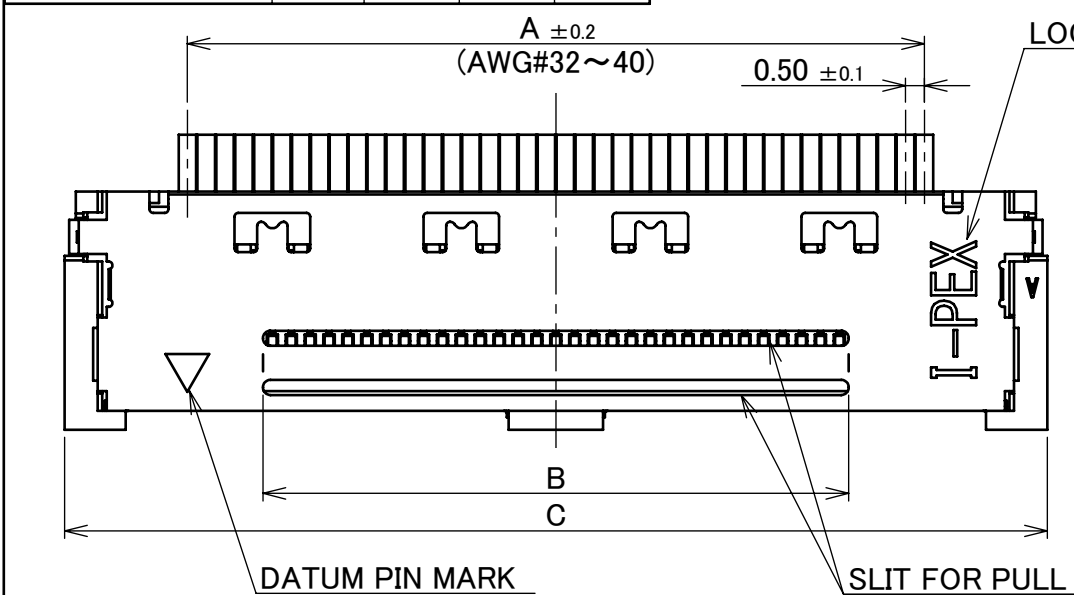


Halogen Free

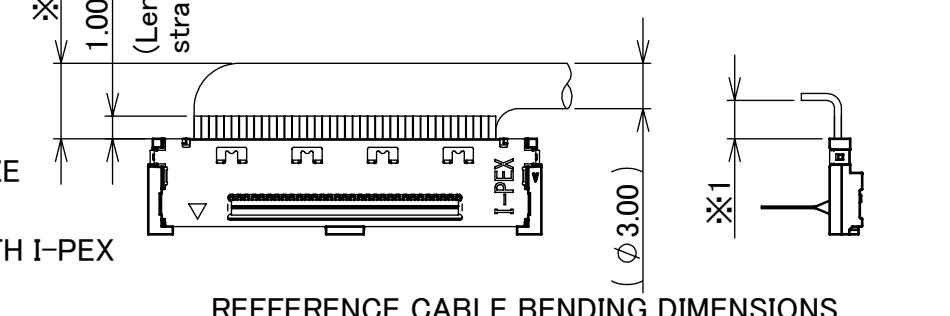


RoHS Compliant

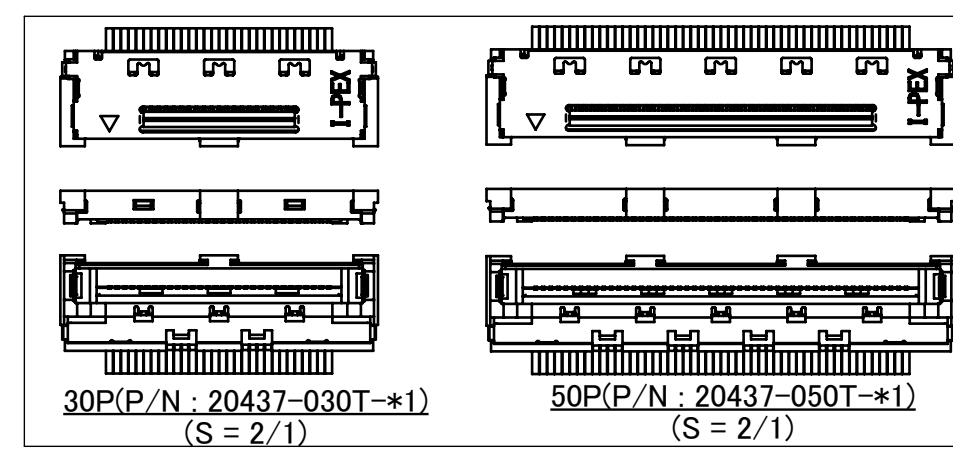
CABLE ASS'Y PART No.	HOUSING ASS'Y PART No.	SHELL-A PART No.	CONTACT FINISH (MATING AREA)
20437-0**T-01	20438-0**T-01	2496-0**	Au 0.10 μm MIN.
20437-0**T-11	20438-0**T-11	2496-0**	Au 0.30 μm MIN.



※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)

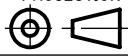


4	SHELL-B	PHOSPHOR BRONZE	Sn 2.00 μm MIN. OVER Ni 1.00 μm MIN.
3	SHELL-A	PHOSPHOR BRONZE	Sn 2.00 μm MIN. OVER Ni 1.00 μm MIN.
2	CONTACT	PHOSPHOR BRONZE	PART NO. 20437-0**T-01 MATING AREA : Au 0.10 μm MIN. OVER Ni 1.00 μm MIN. OTHER AREA : Au 0.05 μm MIN. OVER Ni 1.00 μm MIN. PART NO. 20437-0**T-11 MATING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

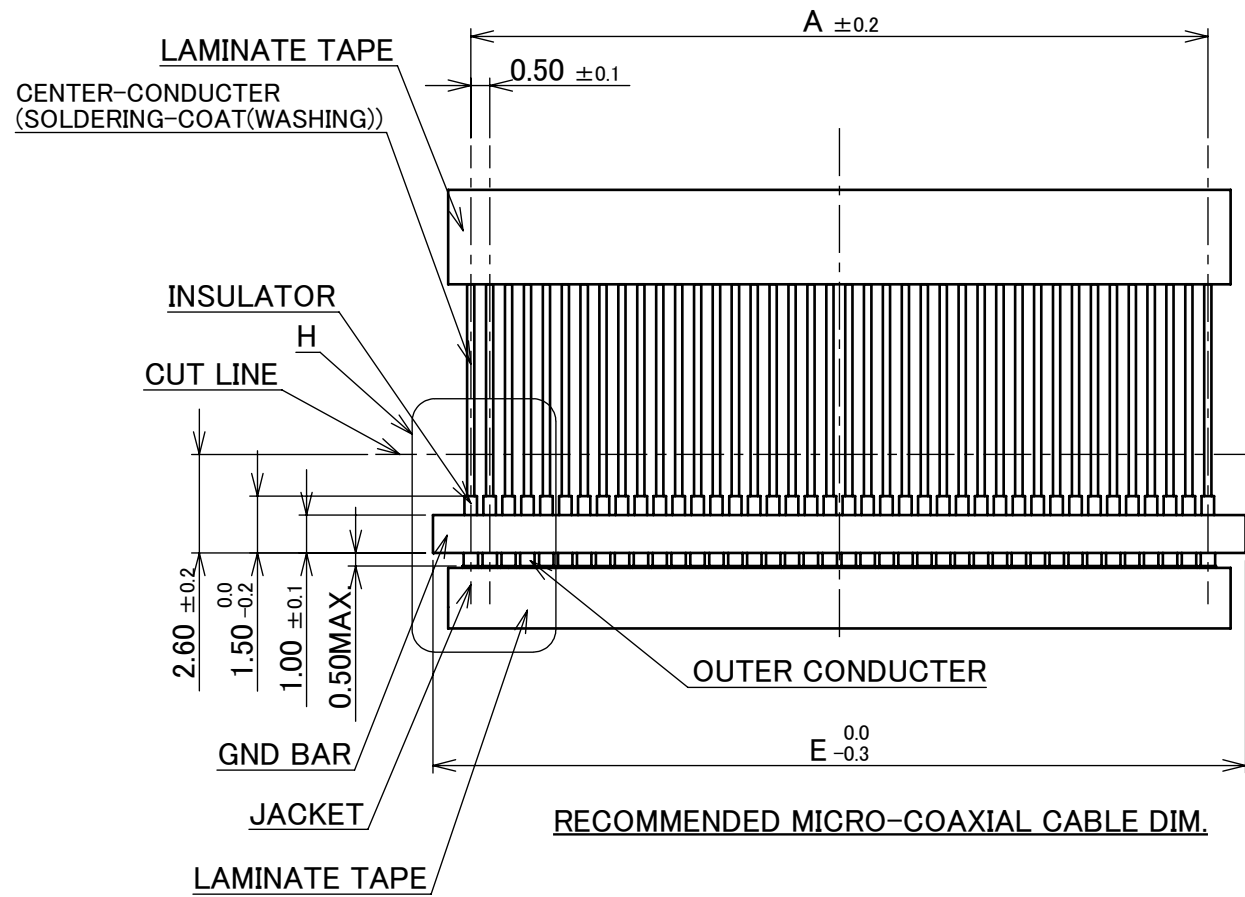
19	Z241419	T.Ono	2024/10/11	T.M	ANGLE	±2°	6 OVER 30 MAX.	±0.3	PROJECTION	SERIES No. R5R2	CUSTOMER COPY
18	Z240753	W.L	2024/06/17	M.T	6 MAX.	±0.2	30 OVER 120 MAX.	±0.5			
17	Z231014	H.U	2023/09/26	T.M	GENERAL TOLERANCE.			TITLE FPL™ II PLUG CABLE ASSEMBLY	SCALE 5:1	UNIT mm	I-PEX
16	Z230076	T.Ono	2023/01/19	T.M	DWG.	DATE					
15	Z220359	T.Ono	2022/04/01	H.I	K.Tanaka		2007/04/16	APP.			
14	Z211198	T.O	2021/10/01	H.I	Y.Hashimoto				T.Harada		
REV.	ECN	BY	DATE	APP.	REVISION RECORD						

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

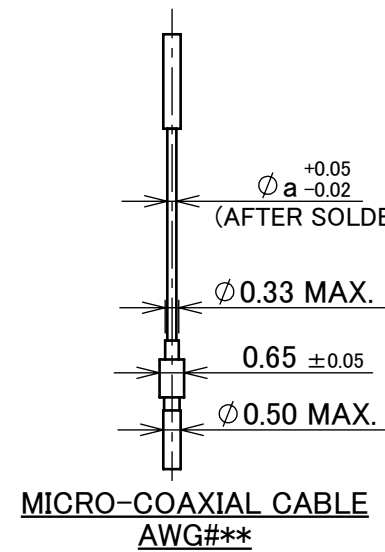
ITEMS	SPECIFICATION
APPLICABLE CABLE	MICRO-COAXIAL CABLE : AWG# 40, 38, 36, 34, 32 DISCRETE WIRE : AWG# 36, 34, 32 TWINAX CABLE : AWG# 40
RATING VOLTAGE	100V AC (PER CONTACT PIN) ※THIS IS THE RATED VOLTAGE OF THE CONNECTOR. PLEASE NOTE THAT THE RATED VOLTAGE MAY VARY IN THE HARNESS DEPENDING ON THE CABLES USED.
RATING AMPERAGE (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	233~358K(-40°C~+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 ASS'Y : 300-584 / PLUG SHELL-A : 300-585
INSTRUCTION MANUAL	HIM-09007
ASSEMBLY MANUAL	ASM-07005
APPEARANCE CRITERIA No.	QLS-A***

ANGLE	$\pm 2^\circ$	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	I-PEX		
DWG.	DATE							
CHK.								
APP.								
				DWG. No.	20437	SIZE	SHEET	REV.
					A3	2/3	19	

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



RECOMMENDED MICRO-COAXIAL CABLE DIM.



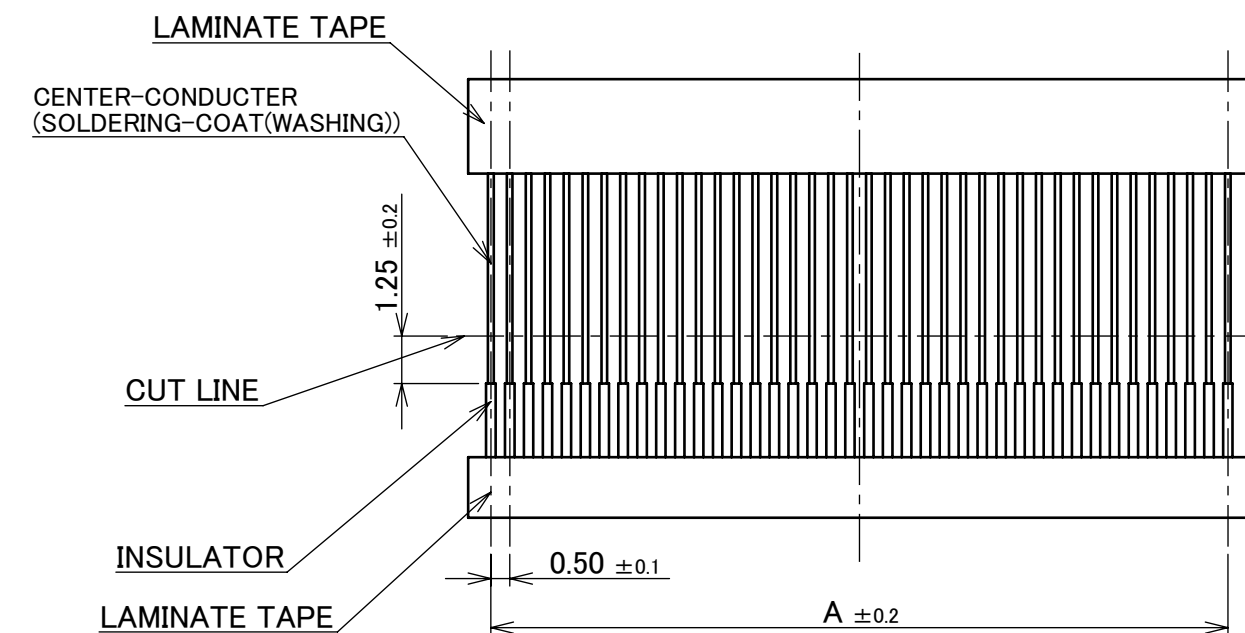
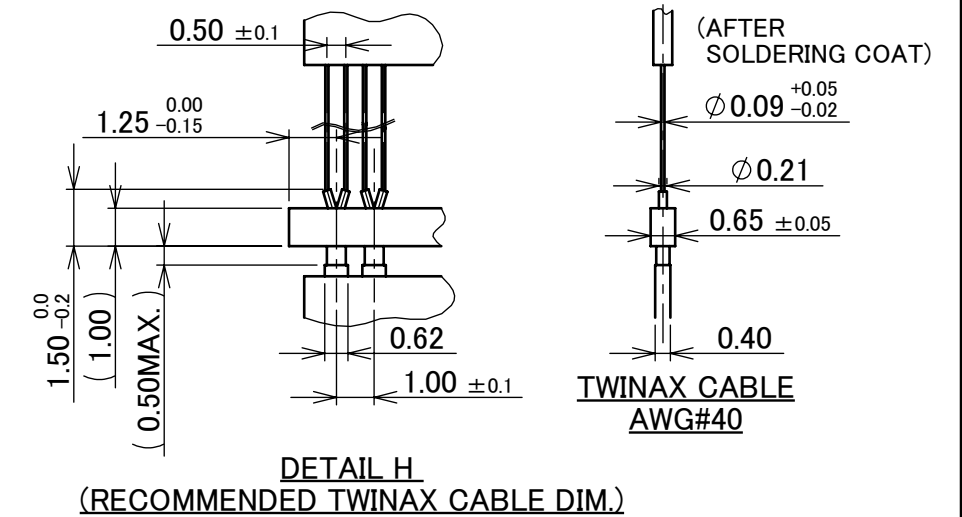
CHARACTERISTIC IMPEDANCE MATCHING MICRO-COAXIAL CABLE

	a
#36	0.15
#38	0.12
#40	0.09

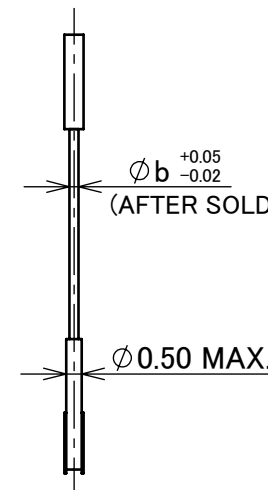
CHARACTERISTIC IMPEDANCE UN-MATCHING MICRO-COAXIAL CABLE

	a
#32	0.24
#34	0.192

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



RECOMMENDED DISCRETE WIRE DIM.



DISCRETE WIRE DIMENSION

	b
#32	0.24
#34	0.192
#36	0.15

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		SCALE	I-PEX		
DWG.	DATE			FPL™ II PLUG CABLE ASSEMBLY		5:1			
CHK.						UNIT			
APP.				DWG. No. 20437		mm			
				SIZE	SHEET	REV.			
				A3	3/3	19			