

Recommended P/N

20788-0**T-01

PART NO.	Pos.
20788-060T-01	60

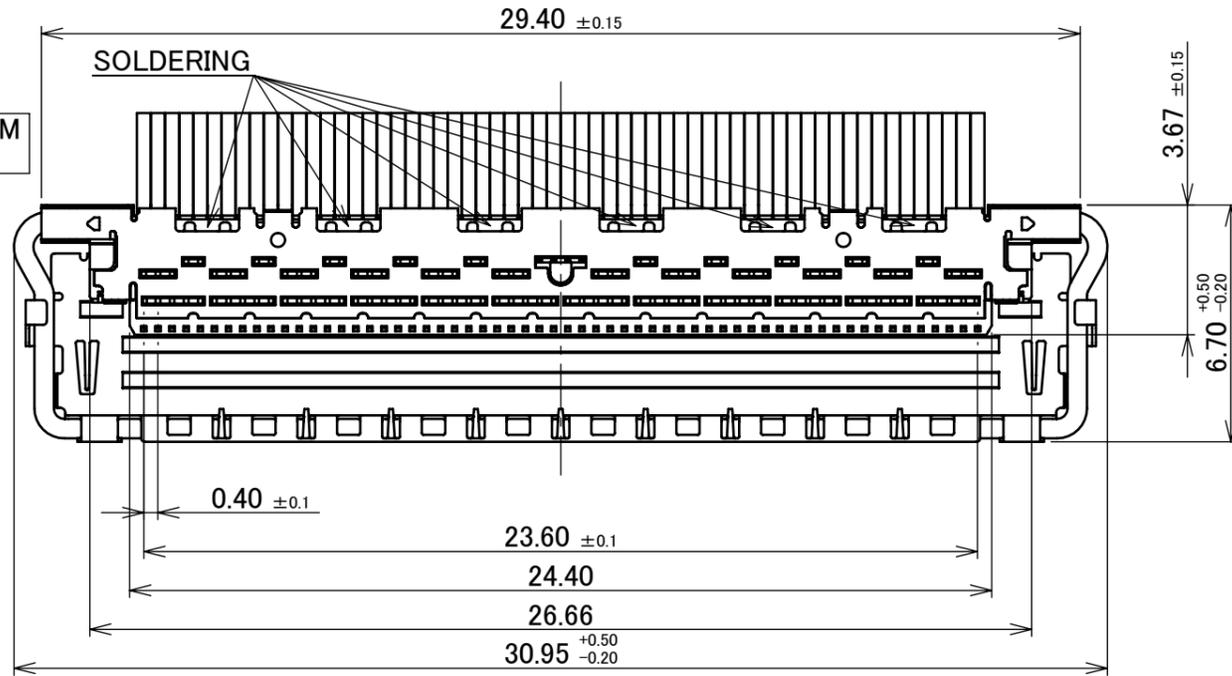


Halogen Free



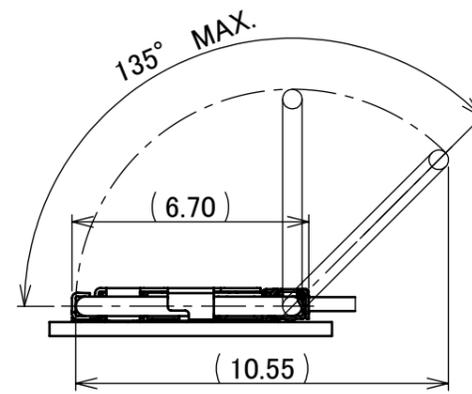
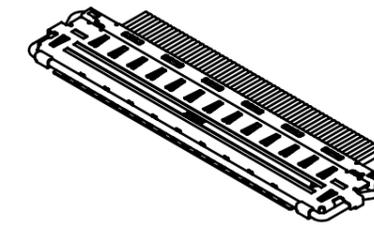
RoHS Compliant

BOTTOM VIEW

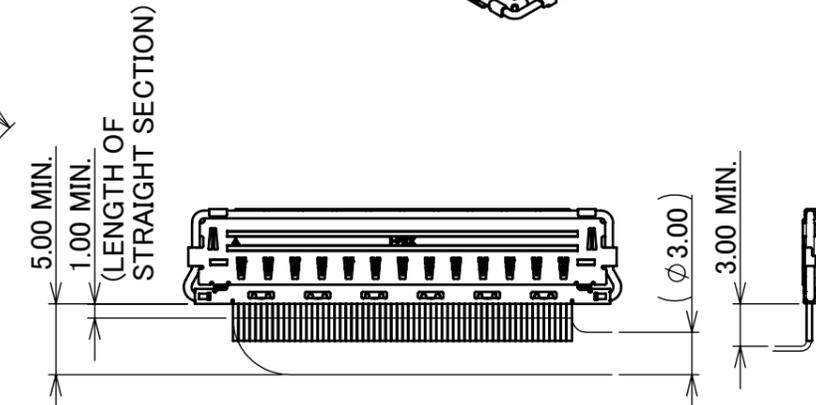


P/N : 20788-0 ** T-0 1

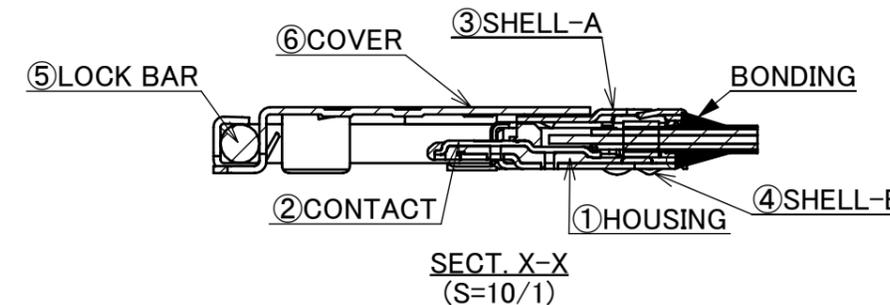
Pos.



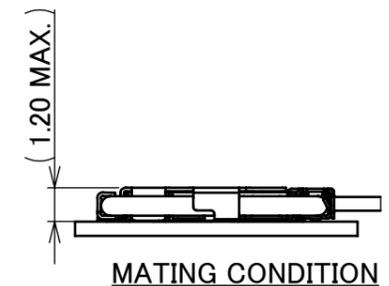
LOCK BAR MOVEMENTS



RECOMMENDED CABLE BENDING DIMENSIONS

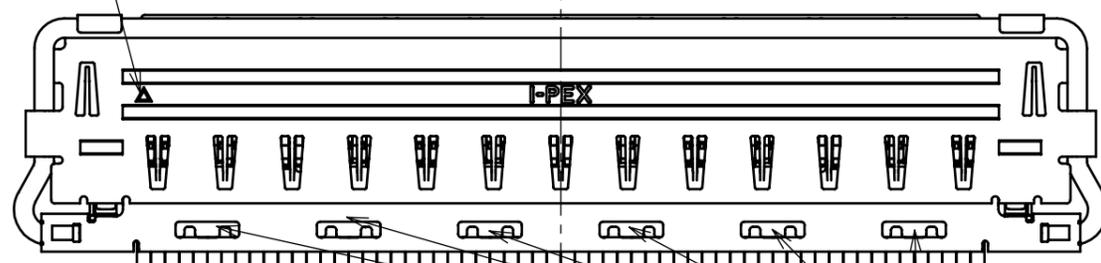


SECT. X-X
(S=10/1)



MATING CONDITION

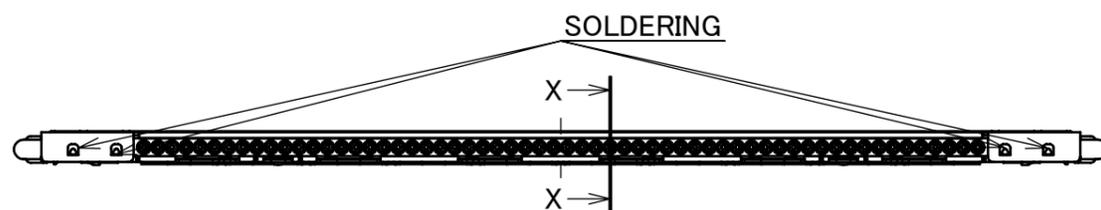
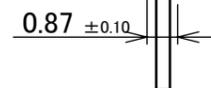
DATUM MARK



TOP VIEW

CABLE

SOLDERING



SOLDERING

NO.	DISCRIPTION	MATERIAL	FINISH , REMARKS
6	COVER	PHOSPHOR BRONZE	ALL OVER Ni 1.00 μ m MIN.
5	LOCK BAR	SUS φ0.55	-
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	ALL OVER Ni 1.00 μ m MIN. CONTACT & SOLDERING AREA : Au 0.03 μ m MIN.
1	HOUSING	LCP	UL94V-0 ,BLACK

REV.	ECN	BY	DATE	APP.	APP.	DWG. No.	SHEET	REV.
11	Z240025	K.Hara	Jan./12/'24	H.I	ANGLE ±2°	6 OVER 30 MAX.	±0.3	
10	Z230125	K.Hara	Jan./31/'23	H.I	6 MAX. ±0.2	30 OVER 120 MAX.	±0.5	
9	Z230042	K.B	Jan./13/'23	H.I	GENERAL TOLERANCE.			
8	Z220151	K.Hara	Feb./14/'22	H.I	DWG. T.Masunaga	DATE 2016/11/14		
7	Z191187	A.K	Sept./11/'19	H.I	CHK. T.Kurachi			
6	Z191111	A.K	Aug./22/'19	H.I	APP. J.Tateishi			

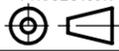
PATENT REGISTERED

I-PEX Inc.

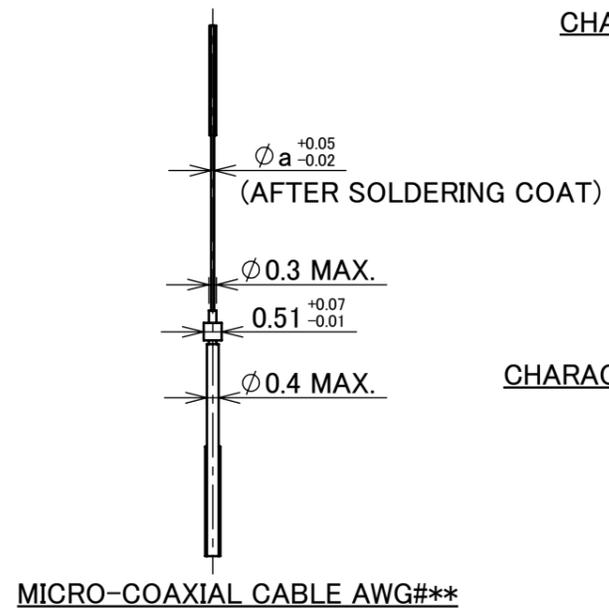
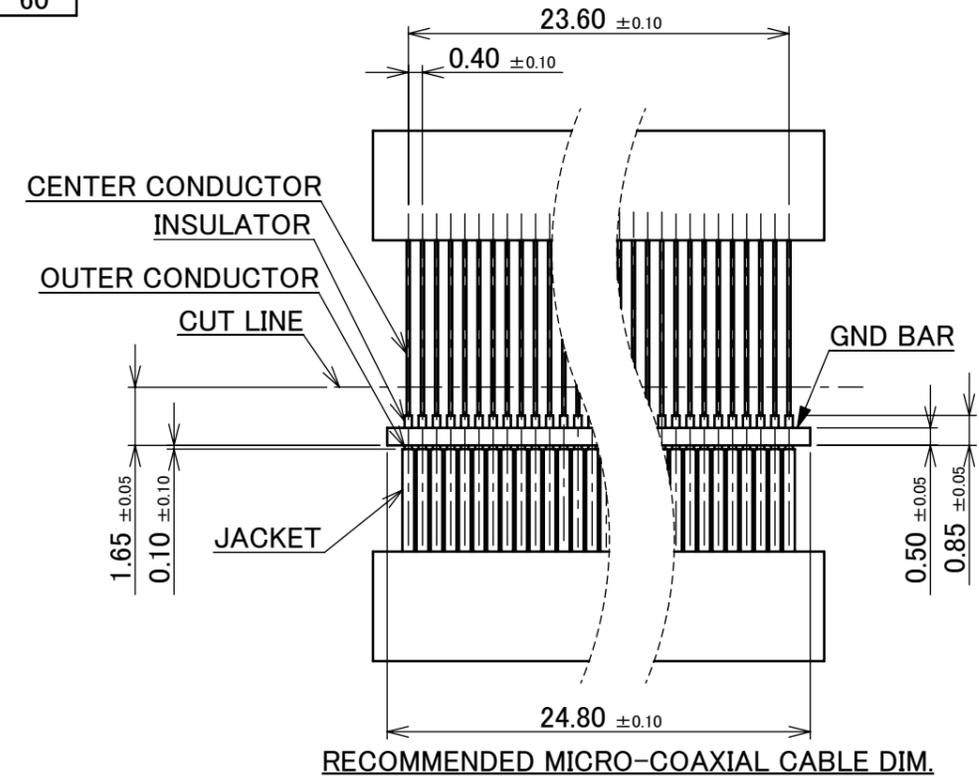
QKE-DFE06-02 REV.12

Confidential C

ITEMS	SPECIFICATION
APPLICABLE CABLE	MICRO-COAXIAL CABLE : AWG# 44 , 42 , 40 , 38 , 36 DISCRETE WIRE : AWG# 36 , 34 TWINAX CABLE : AWG# 40 , 42
RATING VOLTAGE	100V AC (PER CONTACT PIN)
RATING 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 60 CONTACTS 0.3A AC/DC [AWG#40] PER CONTACT PIN / UP TO 60 CONTACTS 0.5A AC/DC [AWG#38] PER CONTACT PIN / UP TO 18 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 6 CONTACTS ※TESTING BY REAL MACHINE IS RECOMMENDED BECAUSE TEMPERATURE RISE MAY AFFECTED BY ACTUAL SITUATION
OPERATING TEMPERATURE	248~378K(-40°C~105°C)
OPERATING HUMIDITY	85% MAX.(NON-CONDENDING)
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)	29.10N MAX.
UN-MATING FORCE (INITIAL / AFTER 30 CYCLES)	6.0N MIN.
CABLE RETENTION FORCE	29.40N MIN.
PRODUCT SPECIFICATION	PRS-2261
TEST REPORT	TR-16075, TR-23031
INSTRUCTION MANUAL	HIM-16028
ASSEMBLY MANUAL	ASM-16004
APPEARANCE CRITERIA NO.	QLS-A***

ANGLE	$\pm 2^\circ$	6 OVER 30 MAX.	± 0.3	PROJECTION 	SERIES No. R1R2R2	CUSTOMER COPY			
6 MAX.	± 0.2	30 OVER 120 MAX.	± 0.5			TITLE CABLIN [®] -CA II PLUS PLUG FOR CABLE ASSEMBLY	SCALE 5:1	I-PEX	
GENERAL TOLERANCE.				DWG. No.	20788	UNIT mm	SIZE A3		
DWG.	DATE								
CHK.									
APP.									

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20788-060T-01	60



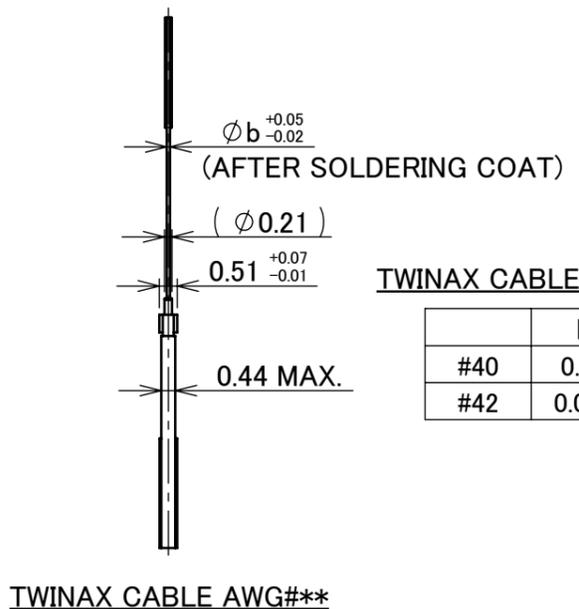
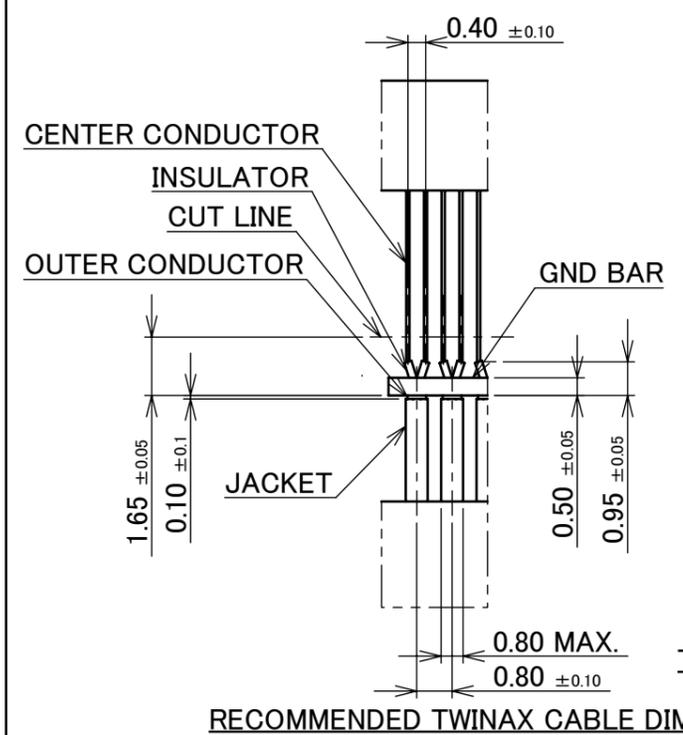
CHARACTERISTIC IMPEDANCE MATCHING MICRO-COAXIAL CABLE

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

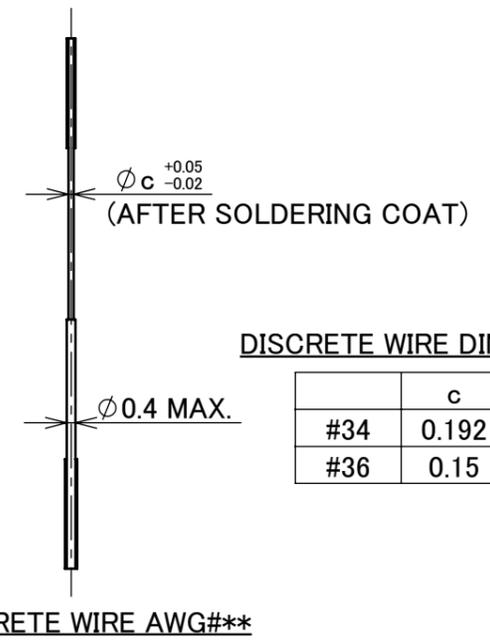
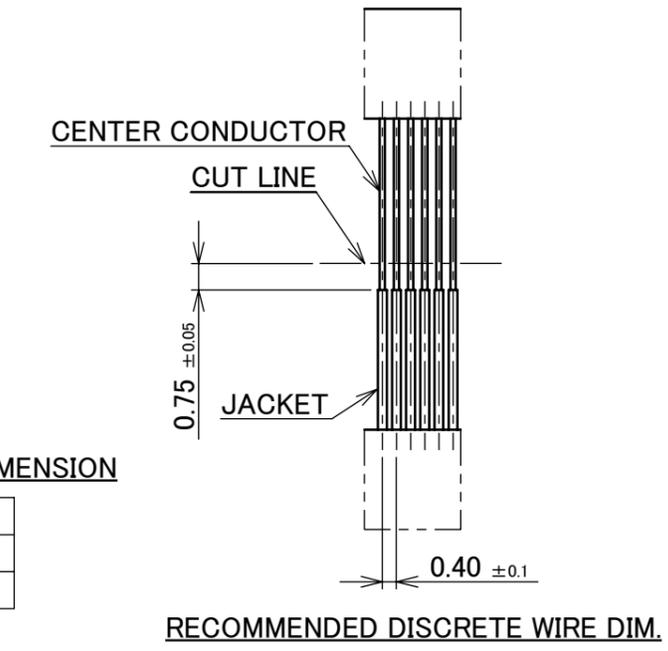
CHARACTERISTIC IMPEDANCE UN-MATCHING MICRO-COAXIAL CABLE

	a
#36	0.15

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



	b
#40	0.09
#42	0.075



DISCRETE WIRE DIMENSION

	c
#34	0.192
#36	0.15

ANGLE	±2°	6 OVER 30 MAX.	±0.3	PROJECTION ⊕	SERIES No. R1R2R2	CUSTOMER COPY			
	6 MAX.	±0.2	30 OVER 120 MAX.						±0.5
GENERAL TOLERANCE.					TITLE CABLIN [®] -CA II PLUS PLUG FOR CABLE ASSEMBLY	SCALE	I-PEX		
DWG.	DATE					5:1			
CHK.						UNIT			
APP.						mm			
					DWG. No.	20788	SIZE	SHEET	REV.
							A3	3/3	11