

Recommended P/N

20380-R**T-06 (10P / 14P / 20P / 30P / 32P / 35P)

20380-R**T-16 (40P / 50P)

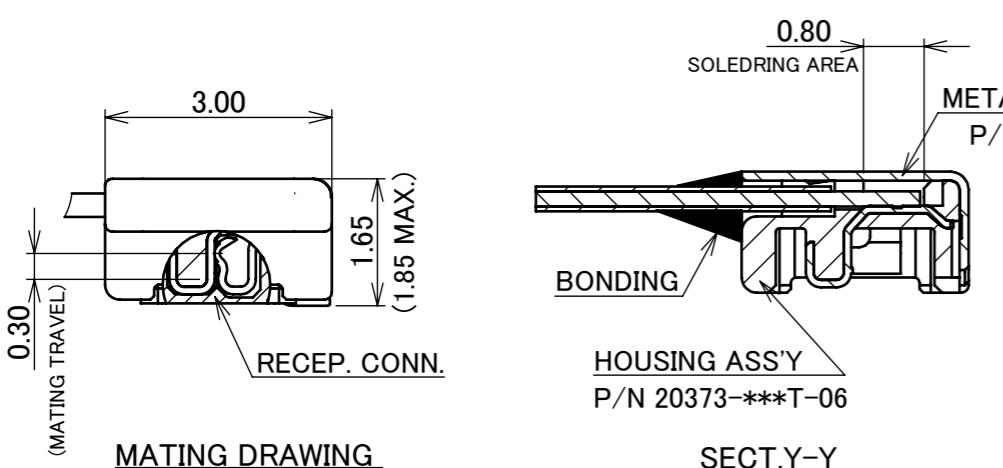
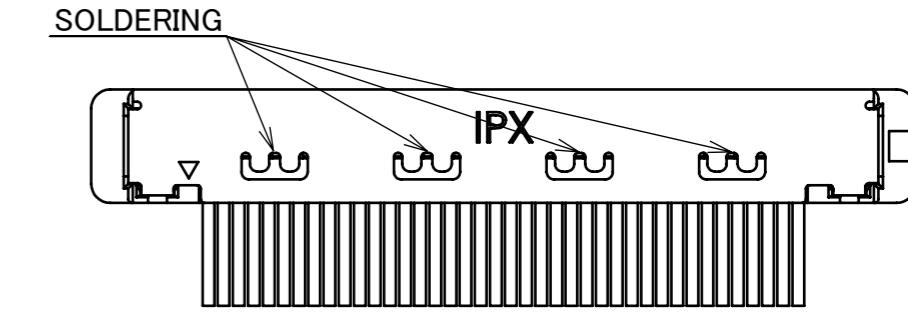
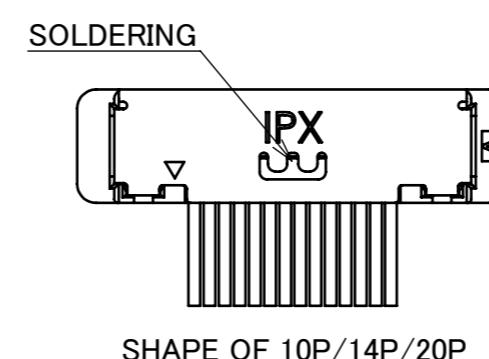
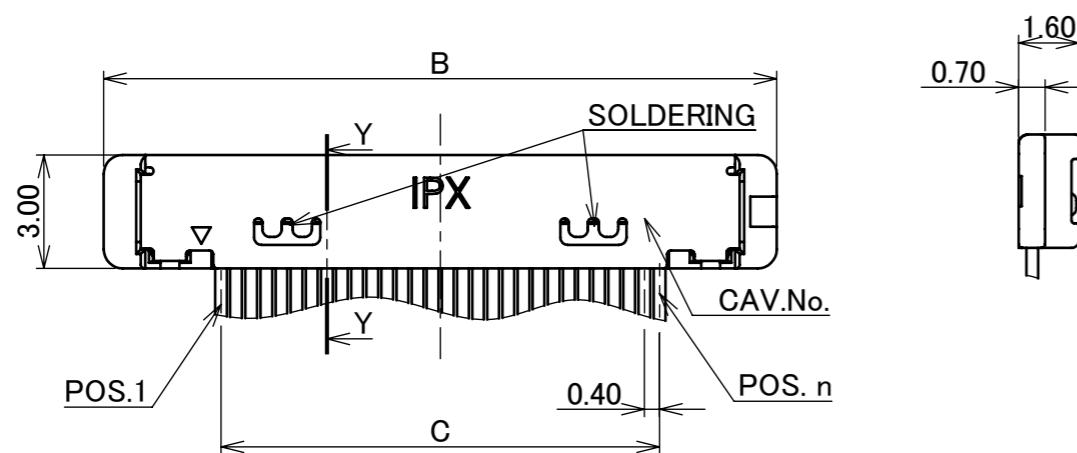
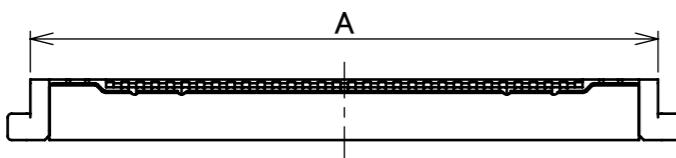
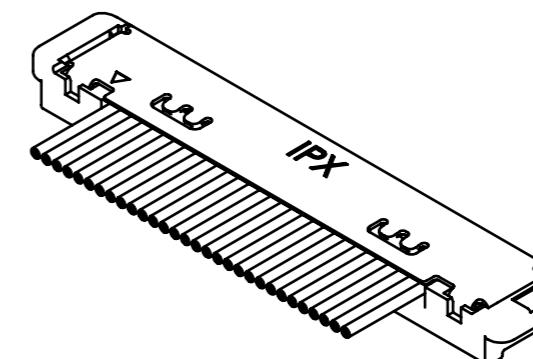
PART NO.	POS.	MATING RECEP. P/N	A	B	C
20380-R10T-06	10	20374-R10E-31	8.6	9.8	3.6
20380-R14T-06	14	20374-R14E-31	10.2	11.4	5.2
20380-R20T-06	20	20374-R20E-31	12.6	13.8	7.6
20380-R30T-06	30	20374-R30E-31	16.6	17.8	11.6
20380-R32T-06	32	20374-R32E-31	17.4	18.6	12.4
20380-R35T-06	35	20374-R35E-31	18.6	19.8	13.6
20380-R40T-16	40	20374-R40E-31	20.6	21.8	15.6
20380-R50T-16	50	20374-R50E-31	24.6	25.8	19.6



Halogen Free



RoHS Compliant



NOTES.
1. THE CABLE MUST NOT HOLD WHEN UN-MATING A CONNECTOR.

NO.	DESCRIPTION	MATERIAL	FINISH , REMARKS
3	METAL COVER	PHOSPHOR BRONZE	Sn REFLOW 1.00 μ m MIN.
2	CONTACT	PHOSPHOR BRONZE	Au 0.10 μ m MIN. OVER Ni 1.00 μ m MIN.
1	HOUSING	LCP	UL94V-0, BLACK

25	Z221004	K.Hara	Sept./05/'22	H.I	ANGLE $\pm 2^\circ$	6 OVER 30 MAX.	± 0.3	PROJECTION	SERIES No.	CUSTOMER COPY
24	Z210420	T.T	Apr./21/'21	H.I	6 MAX.	± 0.2	30 OVER 120 MAX.	± 0.5		
23	Z210383	K.Hara	Apr./12/'21	H.I	GENERAL TOLERANCE.					
22	Z200346	K.Hara	Mar./26/'20	Y.S	DWG.	DATE				
21	Z191219	K.Hara	Sept./12/'19	H.I	H.Ikari	2004/07/30				
20	Z181296	H.K	Oct./24/'18	Y.S	CHK.	E.Kawabe				
REV.	ECN	BY	DATE	APP.	APP.	DWG. No.				
REVISION RECORD					T.Harada	SHEET				
						SIZE	1/3	REV.		25

Confidential C

I-PEX Inc.

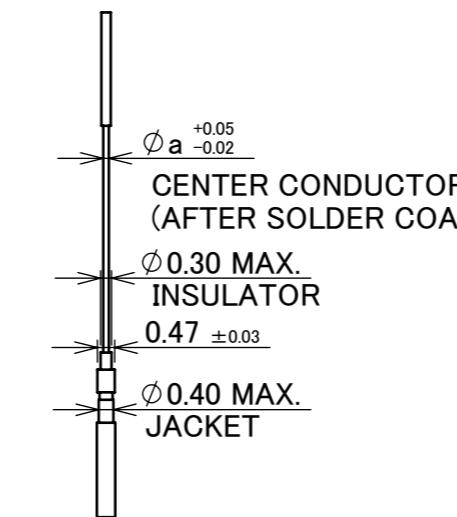
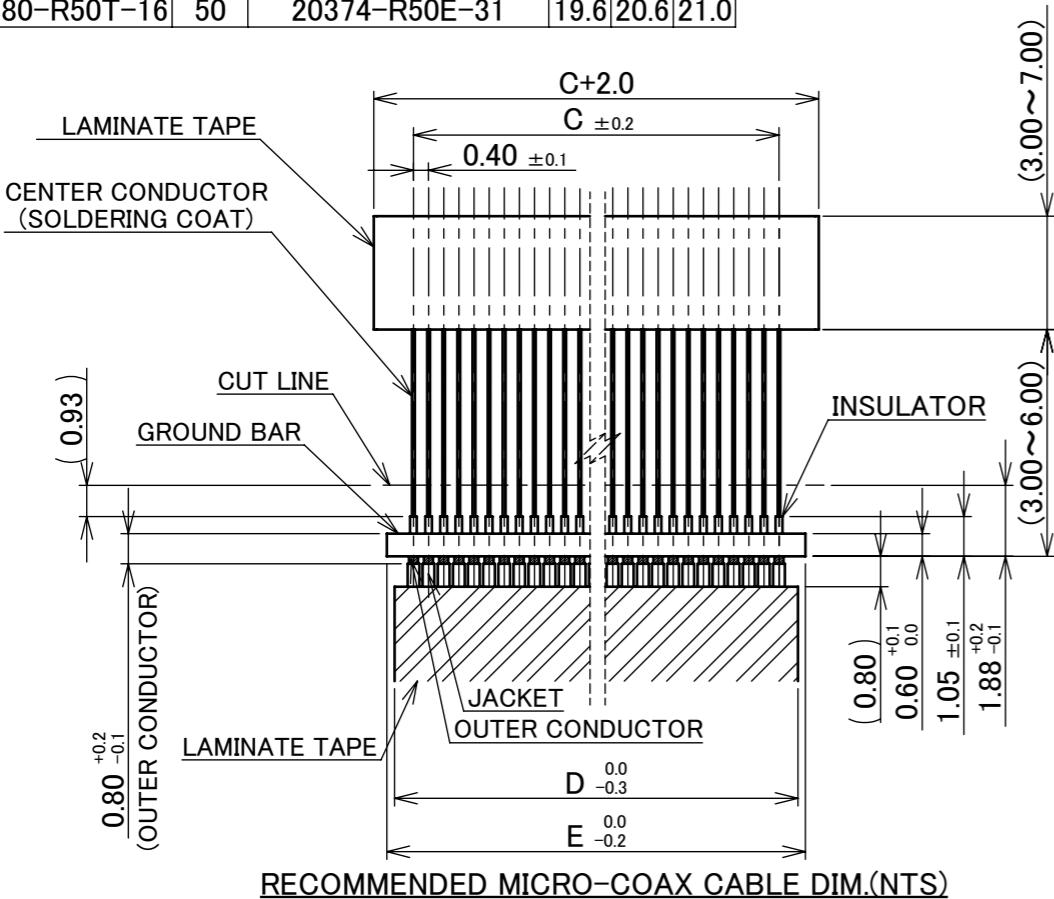
QKE-DFFDE06-02 REV.12

ITEMS	SPECIFICATION
APPLICABLE CABLE	MICRO COAX : AWG# 42 , 40 , 36 DISCRETE : AWG# 36 , 34
RATING VOLTAGE	100V AC (PER CONTACT)
RATING AMPERAGE (FOR CONTACT)	0.24A AC/DC [AWG#42] AVAILABLE TO 50 PIN 0.25A AC/DC [AWG#40] AVAILABLE TO 50 PIN 0.30A AC/DC [AWG#40] AVAILABLE TO 32 PIN 0.35A AC/DC [AWG#36] AVAILABLE TO 50 PIN 0.40A AC/DC [AWG#36] AVAILABLE TO 37 PIN 0.35A AC/DC [AWG#34] AVAILABLE TO 50 PIN 1.00A AC/DC [AWG#34] AVAILABLE TO 2 PIN
OPERATING TEMPERATURE	233~358K(-40°C~+85°C)
OPERATING HUMIDITY	85% MAX.(NON-CONDENSING)
CONTACT RESISTANCE	INITIAL : 180mohm MAX. (AWG#34) / AFTER TEST : △40mohm MAX. 275mohm MAX. (AWG#36) 600mohm MAX. (AWG#40) 700mohm MAX. (AWG#42) (INITIAL CONTAINS THE CONDUCTOR RESISTANCE OF A CABLE 100mm)
GROUND SHELL RESISTANCE	INITIAL : 50mohm MAX. / AFTER TEST : △40mohm MAX.
INSULATION RESISTANCE	INITIAL : 1000Mohm MIN. / AFTER TEST : 500Mohm MIN.
DIELECTRIC WITHSTANDING VOLTAGE	AC250V 1min
DURABILITY	30 CYCLES
MATING FORCE (INITIAL / AFTER TEST)	10P : 29.00N MAX. 32P : 33.40N MAX. 14P : 29.80N MAX. 35P : 34.00N MAX. 20P : 31.00N MAX. 40P : 35.00N MAX. 30P : 33.00N MAX. 50P : 38.00N MAX.
UNMATING FORCE (INITIAL / AFTER TEST)	10P : INITIAL : 4.00N MIN. / AFTER 30 CYCLES : 2.87N MIN. 14P : INITIAL : 4.40N MIN. / AFTER 30 CYCLES : 3.23N MIN. 20P : INITIAL : 5.00N MIN. / AFTER 30 CYCLES : 3.76N MIN. 30P : INITIAL : 6.00N MIN. / AFTER 30 CYCLES : 4.65N MIN. 32P : INITIAL : 6.20N MIN. / AFTER 30 CYCLES : 4.84N MIN. 35P : INITIAL : 6.50N MIN. / AFTER 30 CYCLES : 5.07N MIN. 40P : INITIAL : 7.00N MIN. / AFTER 30 CYCLES : 5.50N MIN. 50P : INITIAL : 8.00N MIN. / AFTER 30 CYCLES : 6.41N MIN.
CABLE RETENTION FORCE	10P : 4.90N MIN. 32P : 15.68N MIN. 14P : 6.86N MIN. 35P : 17.15N MIN. 20P : 9.80N MIN. 40P : 19.60N MIN. 30P : 14.70N MIN. 50P : 24.50N MIN.
PRODUCT SPECIFICATION	PRS-1239
TEST REPORT	TR-04037
INSTRUCTION MANUAL	HIM-04001
ASSEMBLY MANUAL	ASM-04001
APPEARANCE CRITERIA No.	QLS-A***

ANGLE	±2°	6 OVER 30 MAX.	±0.3	PROJECTION	SERIES No.	CUSTOMER COPY	
6 MAX.	±0.2	30 OVER 120 MAX.	±0.5		R9R3		
GENERAL TOLERANCE.							
DWG.		DATE		TITLE			
CHK.				CABLINE® -SS			
APP.				PLUG FOR CABLE ASS'Y			
				DWG. No.	20380	SIZE	
						SHEET	
						2/3	REV.
							25

Recommended P/N 20380-R**T-06 (10P / 14P / 20P / 30P / 32P / 35P) | 20380-R**T-16 (40P / 50P)

PART NO.	POS.	MATING RECEP. P/N	C	D	E
20380-R10T-06	10	20374-R10E-31	3.6	4.6	5.0
20380-R14T-06	14	20374-R14E-31	5.2	6.2	6.6
20380-R20T-06	20	20374-R20E-31	7.6	8.6	9.0
20380-R30T-06	30	20374-R30E-31	11.6	12.6	13.0
20380-R32T-06	32	20374-R32E-31	12.4	13.4	13.8
20380-R35T-06	35	20374-R35E-31	13.6	14.6	15.0
20380-R40T-16	40	20374-R40E-31	15.6	16.6	17.0
20380-R50T-16	50	20374-R50E-31	19.6	20.6	21.0

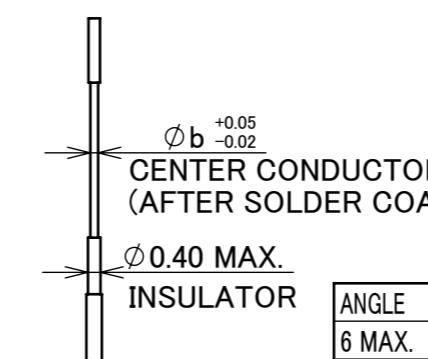
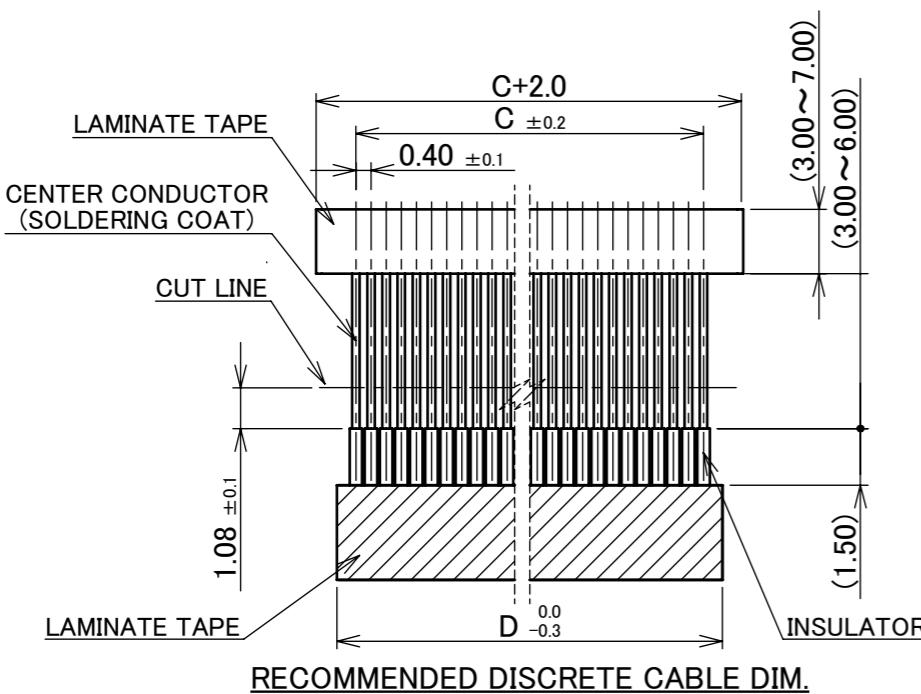


MICRO COAX CABLE DIMENSION

	a
#36	$\phi 0.15$
#40	$\phi 0.09$
#42	$\phi 0.075$

MICRO COAX CABLE #36 : NOT RECOMMENDED FOR HIGH SPEED SIGNAL TRANSFAER

**MICRO COAX CABLE
(AWG #42.40.36)**



DISCRETE CABLE DIMENSION

	b
#34	$\phi 0.192$
#36	$\phi 0.15$

ANGLE $\pm 2^\circ$	6 OVER 30 MAX. ± 0.3	PROJECTION	SERIES No.	CUSTOMER COPY
6 MAX. ± 0.2	30 OVER 120 MAX. ± 0.5		R9R3	
GENERAL TOLERANCE.				
DWG.	DATE		TITLE	CABLINE® -SS
CHK.				PLUG FOR CABLE ASS'Y
APP.		DWG. No.	SIZE	A3
	20380	SHEET	3/3	REV.
				25

I-PEX