CABLINE®-SS

Narrow depth, robust, right angle vertical mate with max power delivery (AWG#34) In 0.4 mm pitch size and high temperature/humidity (autoclavable) option

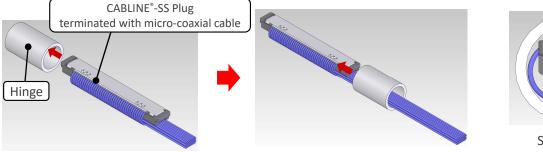
Product Specifications:			Applicable Cable Size:		
Mating type		Right angle vertical	Maximum O.D. (mm)	0.4	
Board Pitch (mm)		0.4	Micro-Coaxial	45 ohm: #38 or smaller	
Wiping Length (mm)		0.3	for Signal (AWG)	50 ohm : #40 or smaller	
Mated size (mm)	Height	1.65 +/- 0.2	Twin Coaxial (AWG)	-	
	Width	5.8 + (0.4*?p)	Discrete (AWG)	#34 or smaller	
(111111)	Depth	3.0			
Pin Counts	Range	Up to 50	Applicable Standards (Reference Only):		
Pili Coulits	Available	10, 14, 20, 30, 32, 35, 40, 50	eDP HBR 2 (5.4 Gbps) USB 3.0 (5 Gbps)		

 $[\]ensuremath{^{*}}$ Please inquire for pin counts not listed or outside of the pin count range.



Narrow depth design with maximum power delivery (AWG#34)

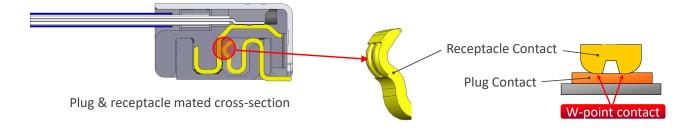
Narrow depth design enables go through small hinge after cable termination.





Side View

Highly reliable contact using I-PEX's unique W-point design



I-PEX prevents poor contact with foreign particles between plug and receptacle contacts. Provides better contact reliability than typical single-point contact designs.

Durable to high temperature/humidity (autoclavable) option available

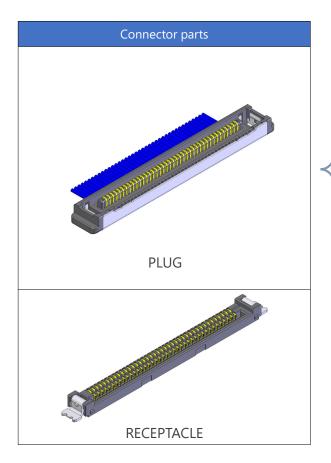
Suitable for sterilization environment of medical equipment, autoclave compatible

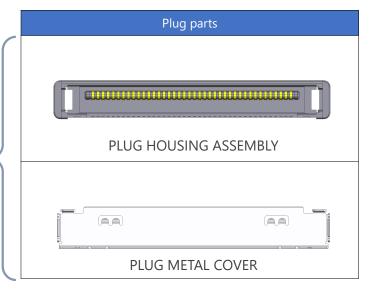




Component Parts Details

Component Parts





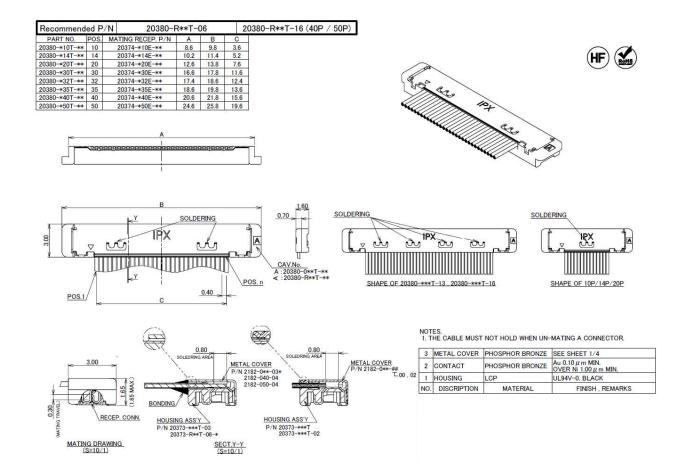


Plug for Cable Assembly

100 00000000000000000000000000000000000	Promise and Street	
Recommended P/N	20380-R**T-06	20380-R**T-16 (40P / 50P)

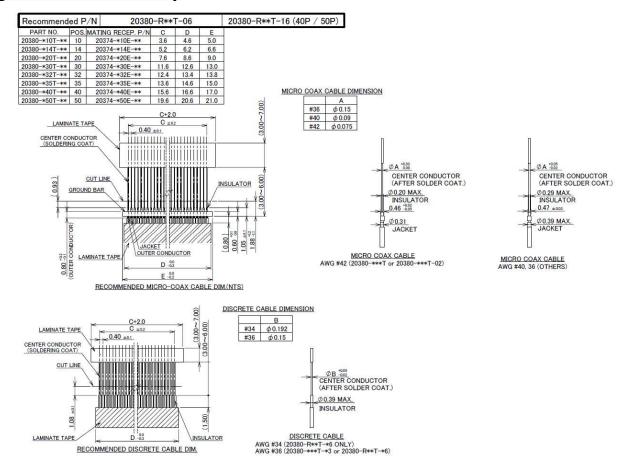
THE COMPOSITION OF PART No PART No. 20380-***T-**

P/N	CABLE	PLUG HOUSING ASSY : 20373-∞+*7-0+-+ METAL COVER : 2182-0+*-0+*							
		10P	14P	20P	30P	32P	35P	40P	50P
20380-+++T	Micro-Coax AWG#42		20373-014T-00 2182-014-00	20379-+20T-00 2182-020-00	20373-+30T-00 2182-030-00	20373-+32T-00 2182-032-00	20373-+35T-00 2182-035-00	20373-040T-01 2182-040-00	20373-050T-00 2182-050-00
20380-***⊤-02	Micro-Coax AWG#42						20373-+35T-00 2182-035-02	20373-040T-01 2182-040-02	
20380-***⊺-03	Micro-Coax AWG#40, #36 DISCRETE AWG#36	20373-*10T-03 2182-010-03*	20373-*14T-03 2182-014-03*	20373-*20T-03 2182-020-03*	20373-*30T-0* 2182-030-03*	-		20373-*40T-03 2182-040-03*	20373-*50T-03 2182-050-03*
20380-***T-13								20373-*40T-03 2182-040-04	20373-*50T-03 2182-050-04
20380-R**T-06	Micro-Coax AWG#40, #35 DISCRETE AWG#36, #34	20373-R10T-06-* 2182-010-03*	20373-R14T-06-* 2182-014-03*	20373-R20T-06-* 2182-020-03*	20373-R30T-06-* 2182-030-03*	20373-R32T-06-* 2182-032-03*	20373-R35T-06-* 2182-035-03*	20373-R40T-06-* 2182-040-03*	20373-R50T-06-* 2182-050-03*
20380-R ↔ T-16								20373-R40T-06-* 2182-040-04	20373-R50T-06-* 2182-050-04



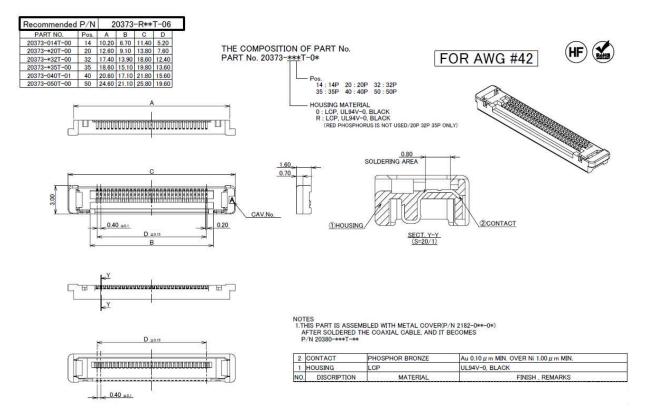


Plug for Cable Assembly



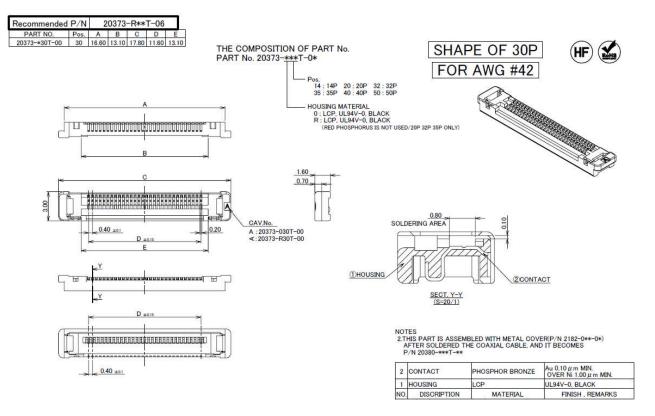
Rev.22

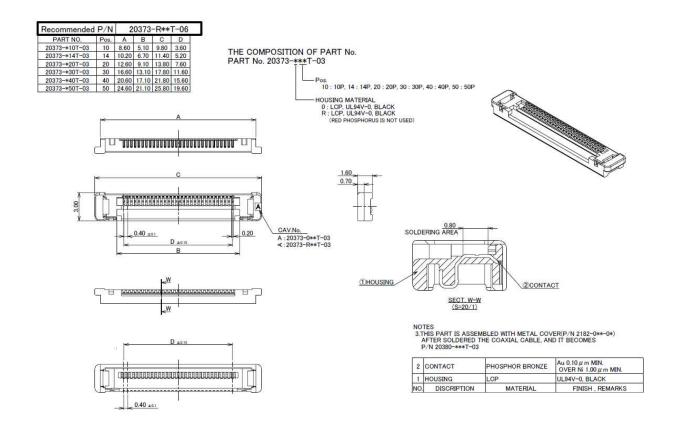
Plug Housing Assembly





Plug Housing Assembly

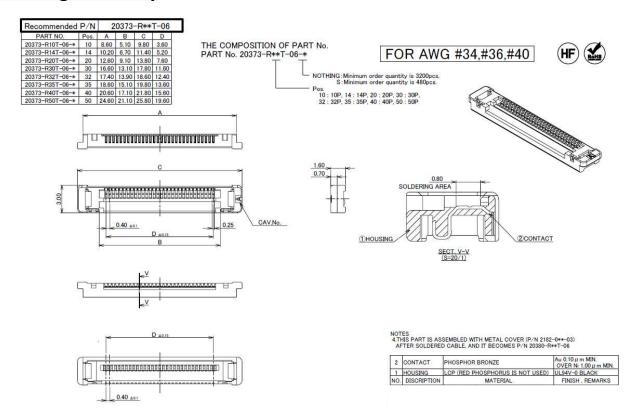






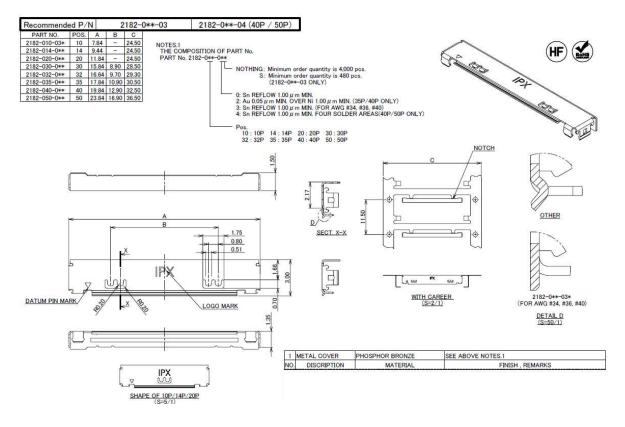


Plug Housing Assembly



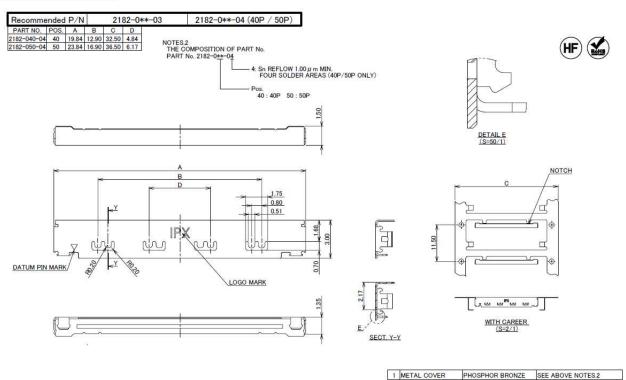
Rev.19

Plug Metal Cover





Plug Metal Cover

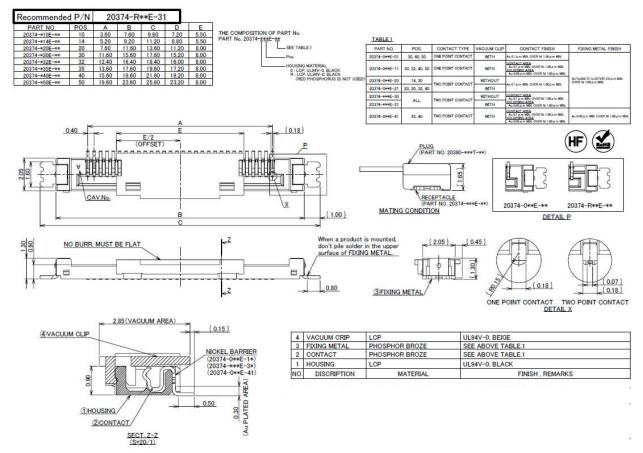


Rev.17

Rev.27

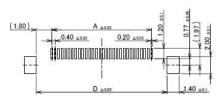
MATERIAL

Receptacle Assembly

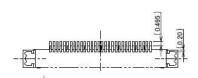


Receptacle Assembly

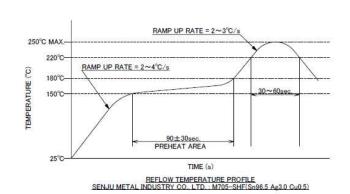
PART NO.	POS.	A	D
20374-*10E-**	10	3.60	7.20
20374-*14E-**	14	5.20	8.80
20374-*20E-**	20	7.60	11.20
20374-*30E-**	30	11.60	15.20
20374-*32E-**	32	12.40	16.00
20374-*35E-**	35	13.60	17.20
20374-*40E-**	40	15.60	19.20
20374-*50E-**	50	19.60	23.20



RECOMMENDED FOOTPRINT PATTERN (MOUNT SIDE)
Recommended Thickness of Metal Mask : t=0.13mm
Recommended Opening Ratio of Metal Mask : 79.6%



CONNECTOR ON RECOMMENDED FOOTPRIT PATTERN



ITEMS	SPECIFICATION			
APPLICABLE CABLE	MICRO COAX : AWG# 42 , 40 , 36			
	DISCRETE: AWG# 36, 34			
RATING VOLTAGE	100V AC (PER A 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 32 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 50 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. 230mohm MAX. (AWG#36) 530mohm MAX. (AWG#40) 700mohm MAX. (AWG#42)			
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: 4.65N MIN. 32P: INITIAL: 6.50N MIN. / AFTER 30 CYCLES: 5.50TN MIN. 40P: INITIAL: 6.50N MIN. / AFTER 30 CYCLES: 5.50N MIN. 50P: INITIAL: 8.00N MIN. / AFTER 30 CYCLES: 5.50N MIN. 50P: INITIAL: 8.00N MIN. / AFTER 30 CYCLES: 5.61N 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***			





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