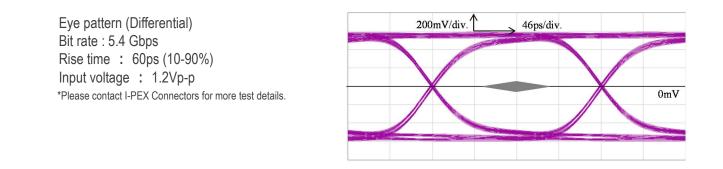


- ✓ High-data-rate transfer, ideal for eDP HBR2 (5.4 Gbps/lane).
- Simultaneous soldering of different size cables for micro-coaxial and discrete wire.
- Click sensation provides audible and tactile check for proper mating.

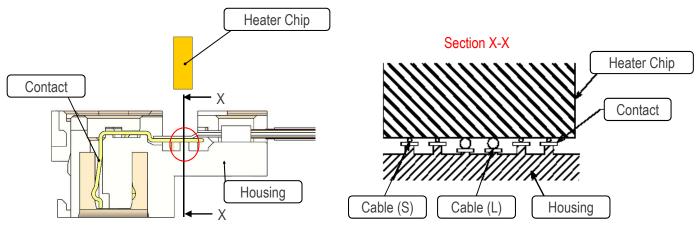
proper	mating.	
Pin counts:		
Range	30 – 50	
Available	30, 40, 50	
*Please inquire f	or pin counts not listed or outside of the p	in count range.

Mating Type		Right angle vertical		
Wire Pitch (mm)		0.5		
Board	Pitch (mm)	0.5		
Mated	Height	4.3+/- 0.2		
Size	Width Formula	5.0 + (0.5*?p)		
(mm)	Depth	7.8		
Wiping L	ength (mm)	0.90		
	Micro-coaxial for Signals (**)	45Ω : #36 or smaller		
Applicable		50Ω : #38 or smaller		
Wire (AWG#) (*)	Twin-coaxial	#40		
(/ (/ ()	Discrete	#32 or smaller		
Com	patibility	-		
Performance (Reference Only)		eDP HBR 2 (5.4 Gbps)		
		USB [®] 3.0 Gen 1 (5 Gbps)		

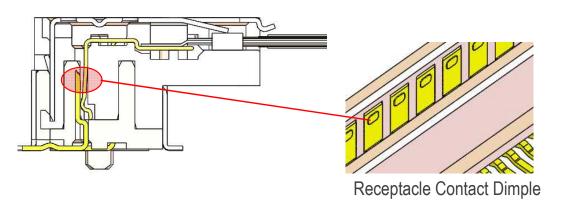
High-Data-Rate Transfer, Ideal for eDP HBR2 (5.4 Gbps/Lane)



Simultaneous Soldering of Different Size Cables for Micro-coaxial and Discrete Wire



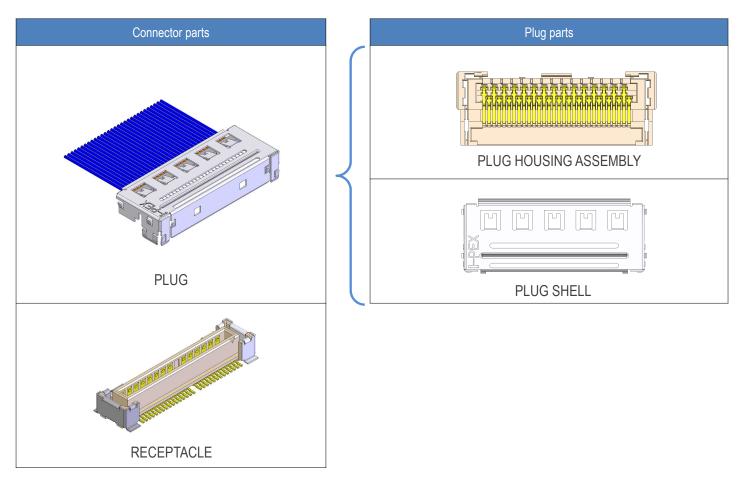
Click Sensation Provides Audible and Tactile Check for Proper Mating





FPL[®] Component Parts Detail

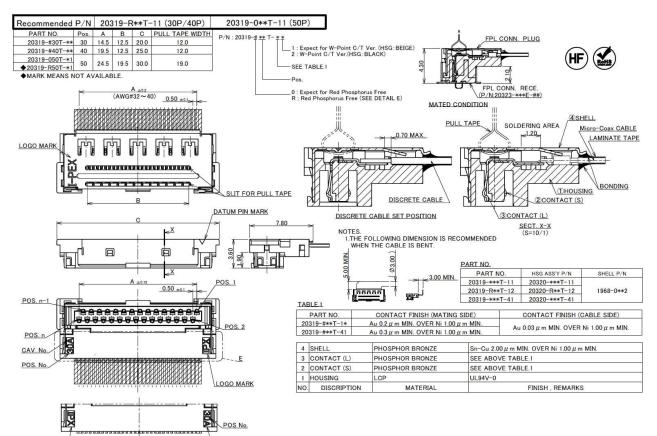
Component Parts:



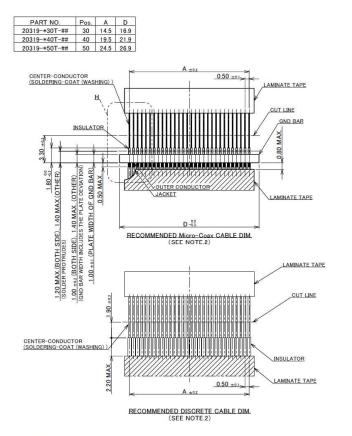


www.i-pex.com Contact your sales representative for more detailed information.

Plug for Cable Assembly :



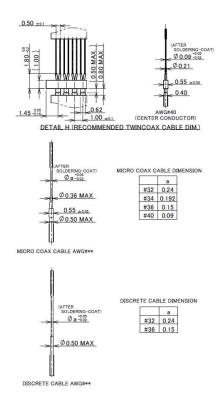
Rev.10



DETAIL E P/N:20319-R**T-## (Red Phosphorus Free)

CAV. No.

LOGO MARK

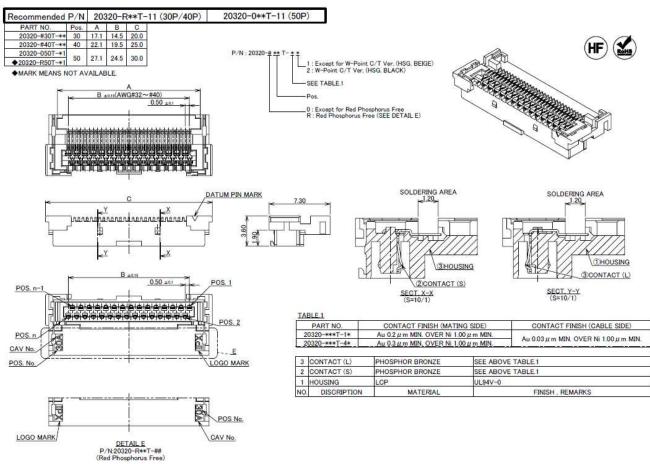


NOTES. 2.DIFFERENTIAL IMPEDANCE : 100 Ω

I-PEX

Rev.10

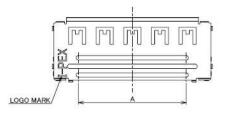
Plug Housing Assembly :

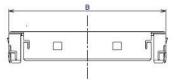


Plug Shell-A :

Recommende		196	8-0**2	
PART NO.	Pos.	Α	B	8
1968-0302	30	12.5	18.2	1
1968-0402	40	12.5	23.2	1
1968-0502	50	19.5	28.2	1





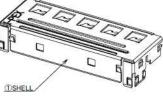




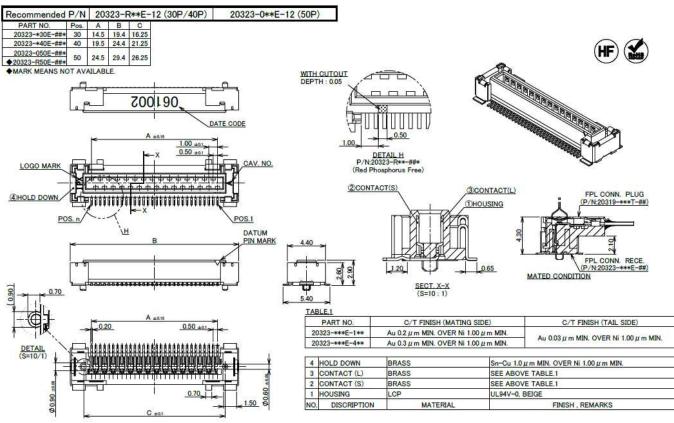


Sn-Cu 2.00 µ m MIN. OVER Ni 1.00 µ m MIN. FINISH , REMARKS Rev.10

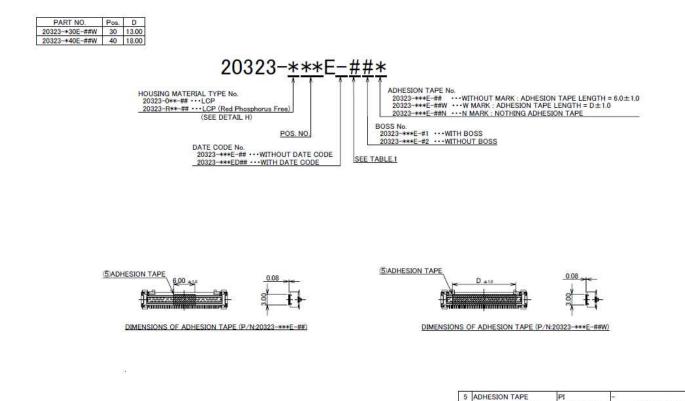




Receptacle Assembly :



Rev.19



NO.

DISCRIPTION

MATERIAL

Rev.19

FINISH , REMARKS

I-PEX

ITEMS	SPECIFICATION			
APPLICABLE CABLE	MICRO COAX : AWG# 40, 38, 36, 34, 32 DISCRETE : AWG# 36, 32 TWINCOAX : AWG# 40			
RATING VOLTAGE	100V AC (PER A CONTACT)			
RATING AMPERAGE (FOR CONTACT)	0.3A AC/DC [AWG#40] 0.6A AC/DC [AWG#38] 0.8A AC/DC [AWG#36] 1.0A AC/DC [AWG#28~34]			
OPERATING TEMPERATURE	233~358K(-40°C~+85°C)			
OPERATING HUMIDITY	20~85% (NON-CONDENSING)			
CONTACT RESISTANCE	INITIAL : 65mohm MAX.(AWG#28) / AFTER TEST : ⊿40mohm MAX. 110mohm MAX.(AWG#32) 235mohm MAX.(AWG#36) 560mohm MAX.(AWG#40)			
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)	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, 40, 50P : 30.0N MIN.			
PRODUCT SPECIFICATION	PRS-1198			
TEST REPORT	TR-03009			
INSTRUCTION MANUAL	HIM-06003			
ASSEMBLY MANUAL	ASM-02004			

Rev.10



© DAI-ICHI SEIKO Co., Ltd. 2018. All rights reserved.

I-PEX is a trademark of DAI-ICHI SEIKO Co., Ltd. All other trademarks are owned by their respective companies. Please be noted that the contents in the catalog might be changed without prior notification. DAI-ICHI SEIKO Co., Ltd., assumes no responsibility for any inaccuracies or obligation to update Information on these documents. Please be sure to read and understand correctly the latest "Precautions for Use" and "Instruction Manual" before you use our products. We shall not be responsible for any defects, damages or troubles in case you use our products with not following the precautions for use. Please feel free to contact our sales representatives preliminarily when you use our products for any applications which require quite high reliability and safety, or which relate to human life. (ex. Nuclear power control, Aerospace, Transportation, Medical equipment, Safety equipment etc.)

www.i-pex.com Contact your sales representative for more detailed information.