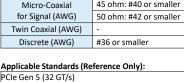
CABLINE®-UY

Low mating height (Height = 0.76 mm), Narrow pitch (0.35 mm pitch), Right angle vertical mating type micro-coaxial cable connector

Product Specifications:				
Mating type Board Pitch (mm) Wiping Length (mm)		Right angle vertical		
		0.35		
		0.1		
Mated size (mm)	Height	0.76 +/- 0.06		
	Width	Formula: 2.15 + (0.35 * ?p)		
	Depth	3.10		
	Range	Up to 25p		
	Available	5, 10p		

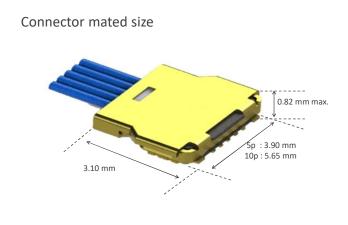
Applicable Cable Size:				
Maximum O.D. (mm)	0.35			
Micro-Coaxial	45 ohm: #40 or smaller			
for Signal (AWG)	50 ohm: #42 or smaller			
Twin Coaxial (AWG)	=			
Discrete (AWG)	#36 or smaller			
	•			

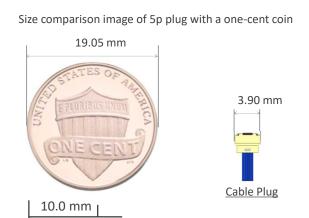


Thunderbolt 4 (20 Gbps/lane) eDP HBR 3 (8.1 Gbps)

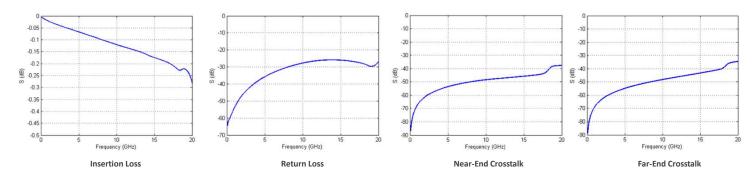


Small, low height design, suitable for narrow spaces





Excellent differential SI performance (PCIe Gen 5: 32 GT/s)



Simulation Software: ANSYS Electronics Desktop 2021 R1 Simulation Model : Cable plug mated to a receptacle Frequency Range: 0.1 - 20 GHz

Data Format: Touchstone Data (.s8p) Reference Impedance: 90 Ohms differential Pin Assignment GSSGSSG

> Plug design able to go through small hinge after cable termination







Simulation results (more than 5P): Minimum hinge inner diameter with bonding (mm)

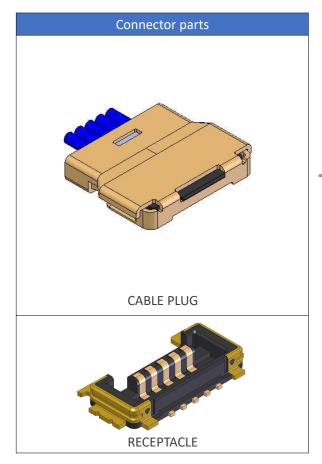


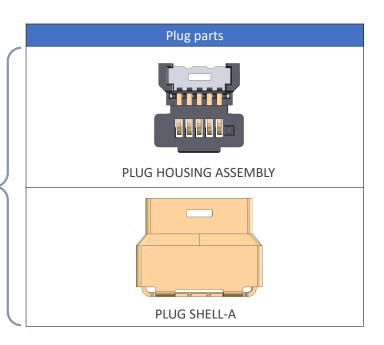
Contact your sales representative for more detailed information. www.i-pex.com

^{*} Please inquire for pin counts not listed or outside of the pin count range

Component Parts Details

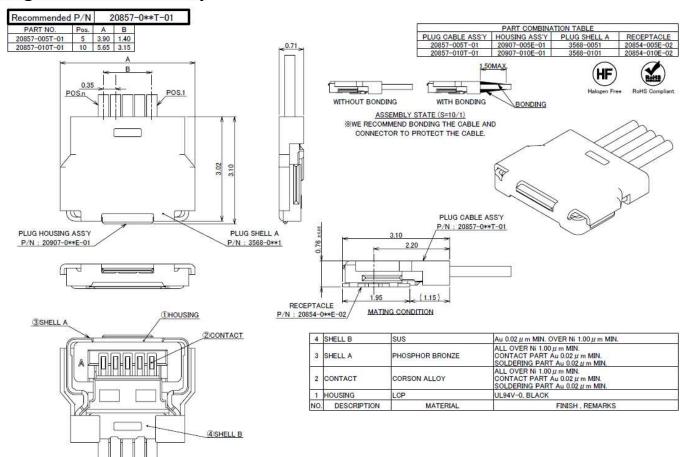
Component Parts



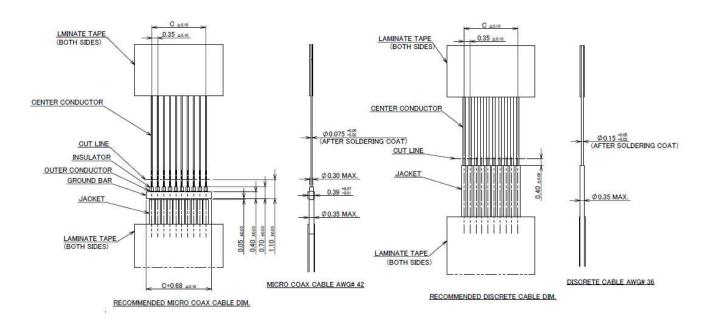




Plug for Cable Assembly



PART NO.	Pos.	С
20857-005T-01	5	1.40
20857-010T-01	10	3.15





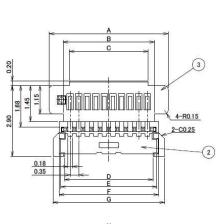
Rev 4

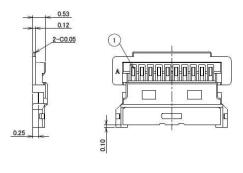
Plug Housing Assembly

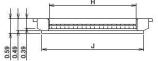
Recommended P/N		20	907-0	**E-C)1					
PART NO.	Pos.	Α	В	C	D	E	F	G	Н	J
20907-005E-01	5	3.10	1.98	1.47	1.86	2.18	2.30	2.80	1.80	2.40
20907-010E-01	10	4.85	3.73	3.22	3.61	3.93	4.05	4.55	3.55	4.15







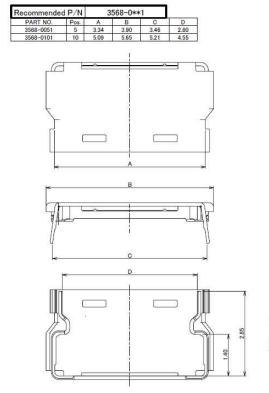


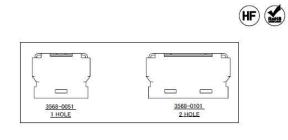


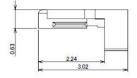
NO	DESCRIPTION	MATERIAL	FINISH, REMARKS
1	CONTACT	CORSON ALLOY	ALL OVER Ni 1.00 μ m MIN. CONTACT PART Au 0.02 μ m MIN. SOLDERING PART Au 0.02 μ m MIN.
2	SHELL B	SUS	Au 0.02 μ m MIN. OVER Ni 1.00 μ m MIN.
3	HOUSING	LCP	UL94V-0, BLACK

Rev.1

Plug Shell-A





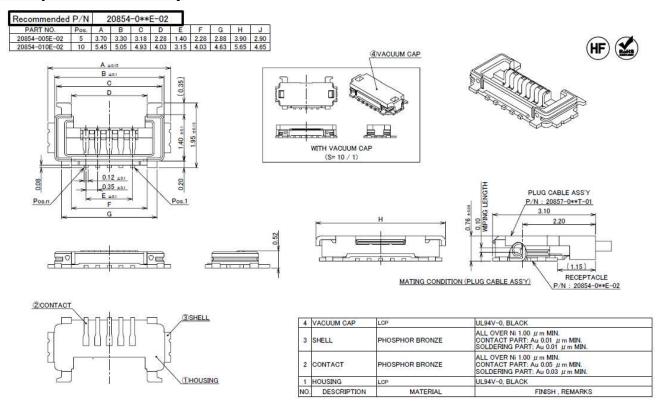


1	SHELL A	PHOSPHOR BRONZE	ALL OVER NI 1.00 µm MIN. CONTACT PART AU 0.02 µm MIN. SOLDERING PART AU 0.02 µm MIN.	
NO.	DESCRIPTION	MATERIAL	FINISH, REMARKS	

Rev.2

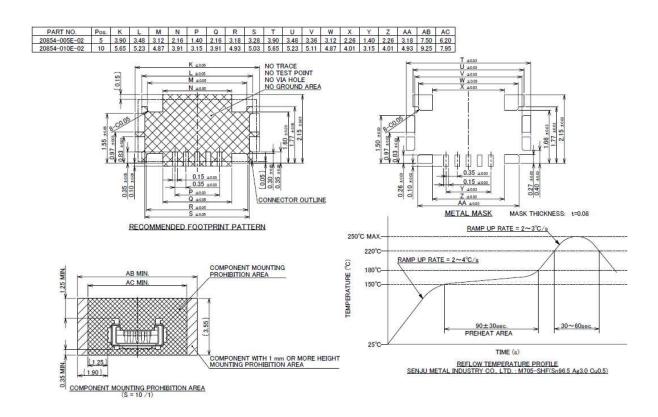


Receptacle Assembly



NOTE.
1. COPLANARITY: 0.08mm MAX.

Rev.5



NOTE.

2. SOLDER RESIST SHALL BE APPLIED TO PREVENT SHORT CIRCUITS WHEN PLACING SIGNAL LINES ON GROUND AREA.

Rev.5



ITEMS	SPECIFICATION		
APPLICABLE CABLE	MICRO COAX : AWG# 42 DISCRETE : AWG# 36		
RATING VOLTAGE	60V AC (PER CONTACT PIN)		
RATING AMPERAGE (FOR CONTACT)	0.35 AC/DC[AWG# 42] 0.5 AC/DC[AWG# 36]		
OPERATING TEMPERATURE	233~358K(-40°C~+85°C)		
OPERATING HUMIDITY	85% MAX.(NON-CONDENSING)		
CONTACT RESISTANCE	INITIAL: 700mohm MAX.(AWG# 42) / AFTER TEST: ∠R 40mohm MAX. 275mohm MAX.(AWG# 36)		
GROUND SHELL RESISTANCE	INITIAL: 60mohm MAX. / AFTER TEST: AR 40mohm MAX.		
INSULATION RESISTANCE	INITIAL: 500Mohm MIN. / AFTER TEST: 100Mohm MIN.		
DIELECTRIC WITHSTANDING VOLTAGE	AC200V 1min		
DURABILITY	30 CYCLES		
MATING FORCE (INITIAL / AFTER TEST)	5P: INITIAL: 30N MAX. / AFTER TEST: 30N MAX. 10P: INITIAL: 30N MAX. / AFTER TEST: 30N MAX.		
UNMATING FORCE (INITIAL / AFTER TEST)	5P: INITIAL: 5N MIN. / AFTER TEST: 3N MIN. 10P: INITIAL: 5N MIN. / AFTER TEST: 3N MIN.		
CABLE RETENTION FORCE	5Pin : 2.45N MIN. 10Pin : 4.9N MIN.		
PRODUCT SPECIFICATION	PRS-2634		
TEST REPORT	TR-19084		
INSTRUCTION MANUAL	HIM-18037		
ASSEMBLY MANUAL	ASM-18002		
APPEARANCE CRITERIA No.	QLS-A***		

Rev.4





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