CABLINE®-UY

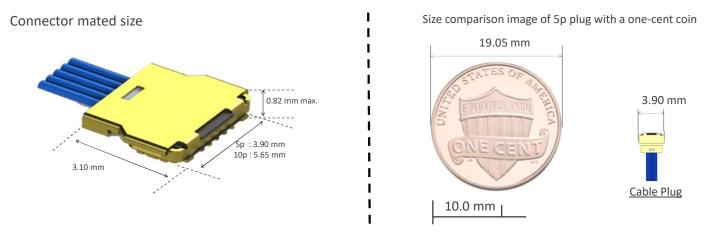
Low mating height (Height = 0.76 mm), Narrow pitch (0.35 mm pitch), Right angle vertical mating type micro-coaxial cable connector

ļ	Product Speci	ifications:		Applicable Cable Size:
	Mating type		Right angle vertical	Maximum O.D. (mm) 0.35
	Board Pitch (mm)		0.35	Micro-Coaxial 45 ohm: #40 or smaller
	Wiping Length (mm)		0.1	for Signal (AWG) 50 ohm: #42 or smaller
	Mated size (mm)	Height	0.76 +/- 0.06	Twin Coaxial (AWG) -
		Width	Formula: 2.15 + (0.35 * ?p)	Discrete (AWG) #36 or smaller
		Depth	3.10	
	Pin Counts	Range	Up to 25p	Applicable Standards (Reference Only): PCIe Gen 5 (32 GT/s)
		Available	5, 10p	Thunderbolt 4 (20 Gbps/lane) eDP HBR 3 (8.1 Gbps)

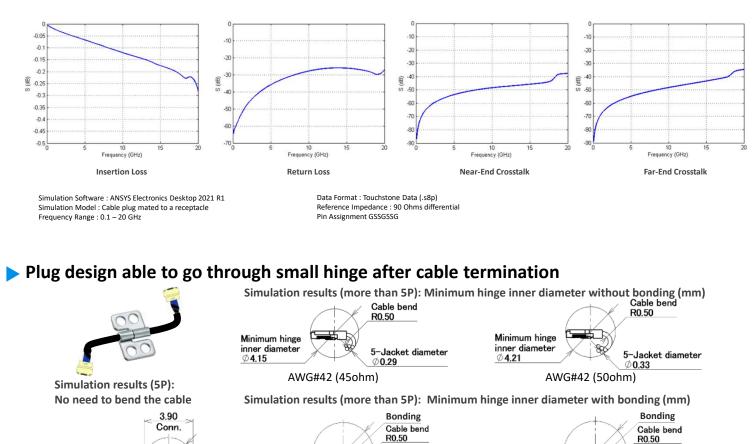


* Please inquire for pin counts not listed or outside of the pin count range

Small, low height design, suitable for narrow spaces



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

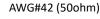


5-Jacket diameter

0.29

Ø**3.91**

I-PEX



Minimum hinge

inner diameter

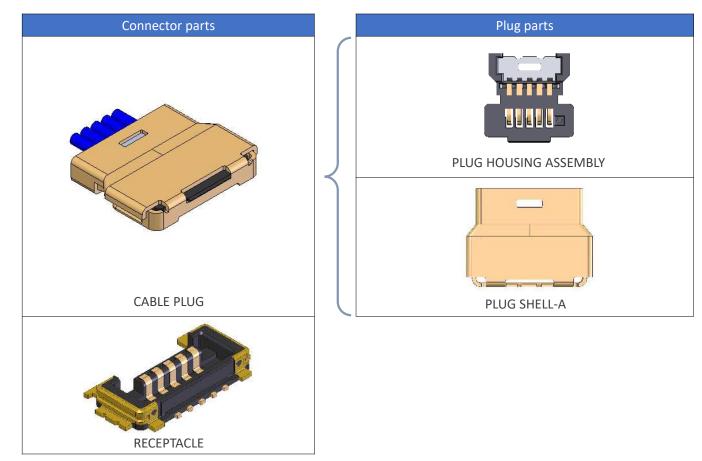
Ø**5.60**

5-Jacket diameter

0.33

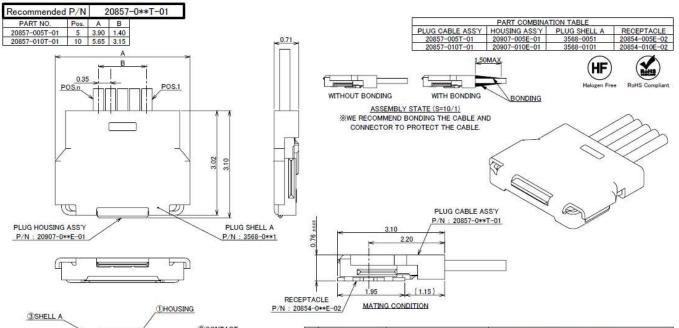
Component Parts Details

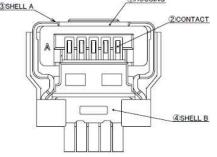
Component Parts



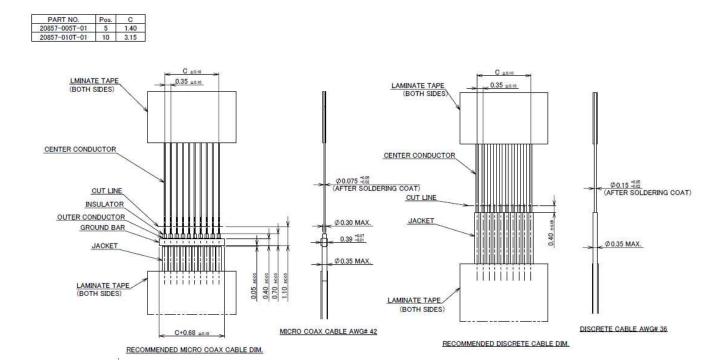


Plug for Cable Assembly





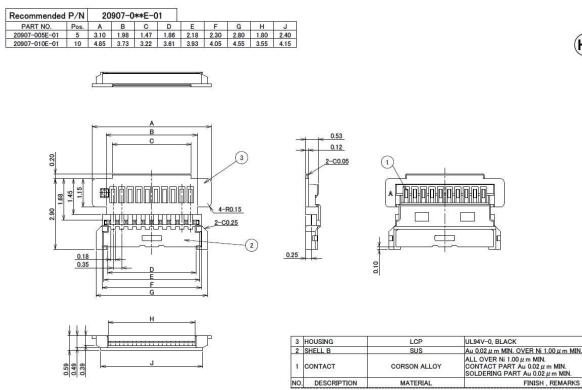
4	SHELL B	SUS	Au 0.02 µ m MIN. OVER Ni 1.00 µ m MIN.	
3	SHELL A	PHOSPHOR BRONZE	ALL OVER NI 1.00 μ m MIN. CONTACT PART Au 0.02 μ m MIN. SOLDERING PART Au 0.02 μ m MIN.	
2	CONTACT	CORSON ALLOY	ALL OVER Ni 1.00 μ m MIN. CONTACT PART Au 0.02 μ m MIN. SOLDERING PART Au 0.02 μ m MIN.	
1	HOUSING	LCP	UL94V-0, BLACK	
10.	DESCRIPTION	MATERIAL	FINISH , REMARKS	

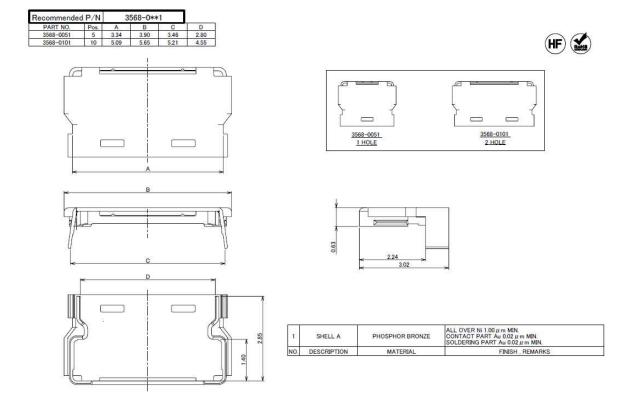


I-PEX

Rev.4

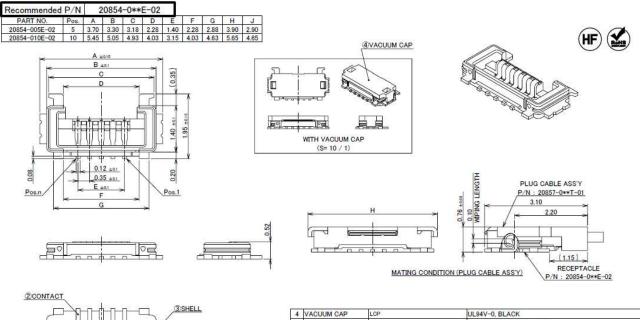
Plug Housing Assembly

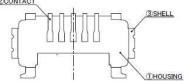




(HF) (

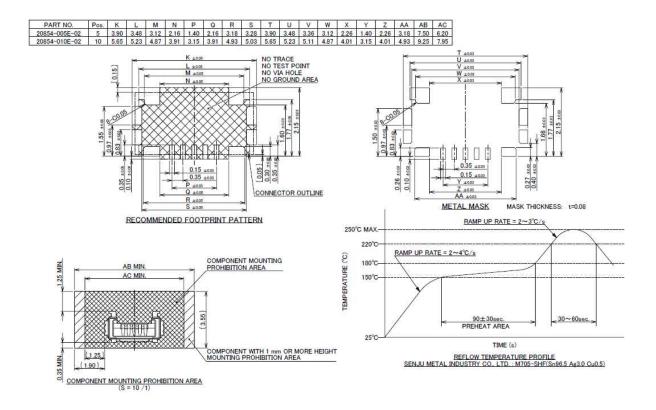
Receptacle Assembly





NO.	DESCRIPTION	MATERIAL	FINISH , REMARKS
1	HOUSING	LCP	UL94V-0, BLACK
2	CONTACT	PHOSPHOR BRONZE	ALL OVER Ni 1.00 μ m MIN. CONTACT PART: Au 0.05 μ m MIN. SOLDERING PART: Au 0.03 μ m MIN.
3	SHELL	PHOSPHOR BRONZE	ALL OVER Ni 1.00 μm MIN. CONTACT PART: Au 0.01 μm MIN. SOLDERING PART: Au 0.01 μm MIN.
4	VACUUM CAP	LCP	UL94V-0, BLACK

NOTE. 1. COPLANARITY: 0.08mm MAX.



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

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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