

# CABLINE®-CBL

저배(높이 = 0.825mm), 기계식 Lock 기능, 실드, 멀티 그라운드 접점, 0.4mm Pitch, 수평 결합 타입 세션 동축 커넥터

## Product Specifications:

Mating type		Horizontal
Board Pitch (mm)		0.4
Wiping Length (mm)		0.44
Mated size (mm)	Height	0.825 +/- 0.15
	Width	Formula: 6.44 + (0.4*p)
	Depth	5.44
Pin Counts	Range	Up to 40
	Available	30, 40

## Applicable Cable Size:

Maximum O.D. (mm)	0.4
Micro-Coaxial for Signal (AWG)	45 ohm: #40 or smaller wire 50 ohm: #40 or smaller wire
Twinax (AWG)	-
Discrete (AWG)	#36 or smaller wire

## Applicable Standards (Reference Only):

USB 3.1 Gen 1 (5 Gbps) V-By-One HS 1.4 (4 Gbps)
HDMI 1.3 (3.4 Gbps)

\*기재가 되어있지 않은 핀 수의 대응 여부에 대해서는 문의해 부탁드립니다.

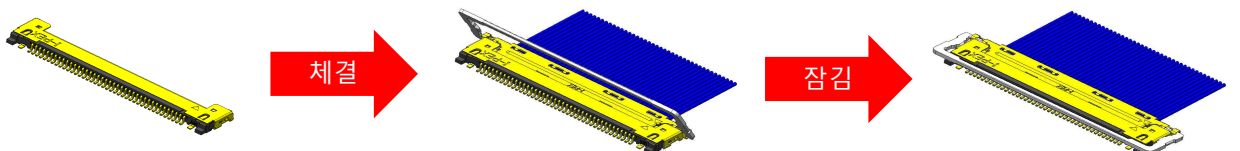
\*CABLINE®-CAL(체결 높이: 최대 0.8mm)은 더 낮은 높이를 제공합니다.



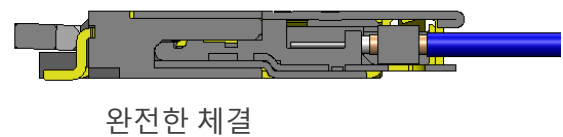
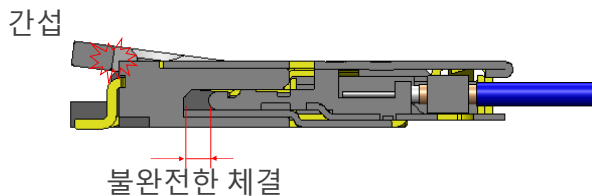
## ▶ 결합 높이: 0.975mm max. (0.825mm nominal)

CABLINE-CBL 40p			CABLINE-CAL 40p(저배)		
CABLINE-CBL 40p 체결 세트 치수(mm)			CABLINE-CAL 40p 체결 세트 치수(mm)		
W	D	H	W	D	H
22.44	5.44	0.825 (최대 0.975)	24.05	5.50	0.70 (최대 0.80)

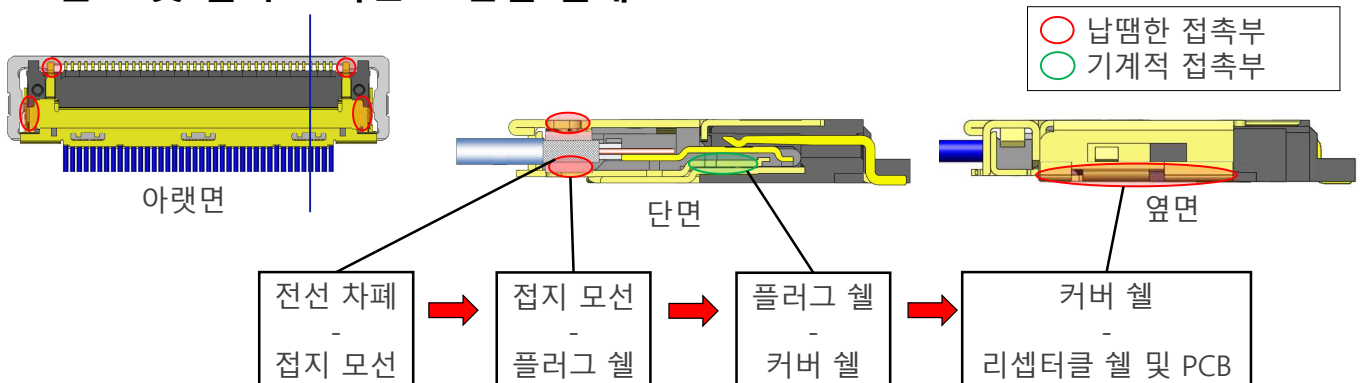
## ▶ 기계식 Locking bar에 의한 불완전 결합 방지와 Plug 이탈 방지



기계식 잠금 바는 플러그가 리셉터클에 완전히 체결된 경우에만 잠깁니다.

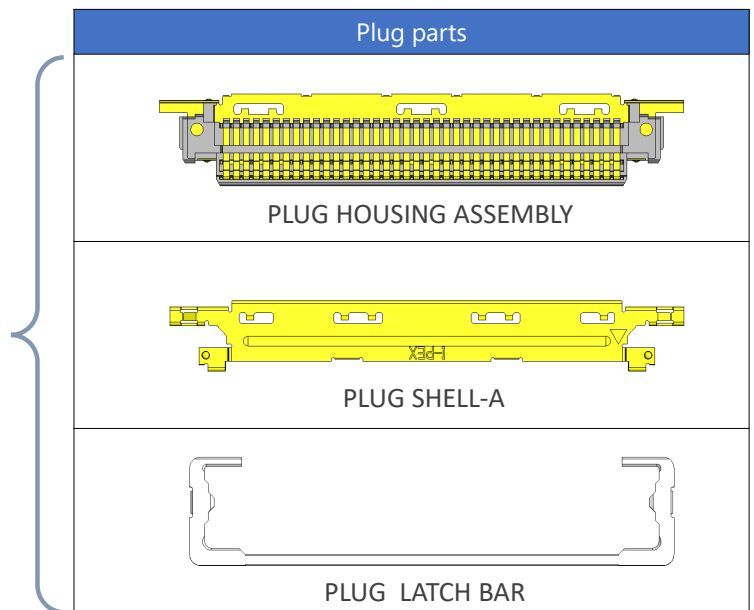
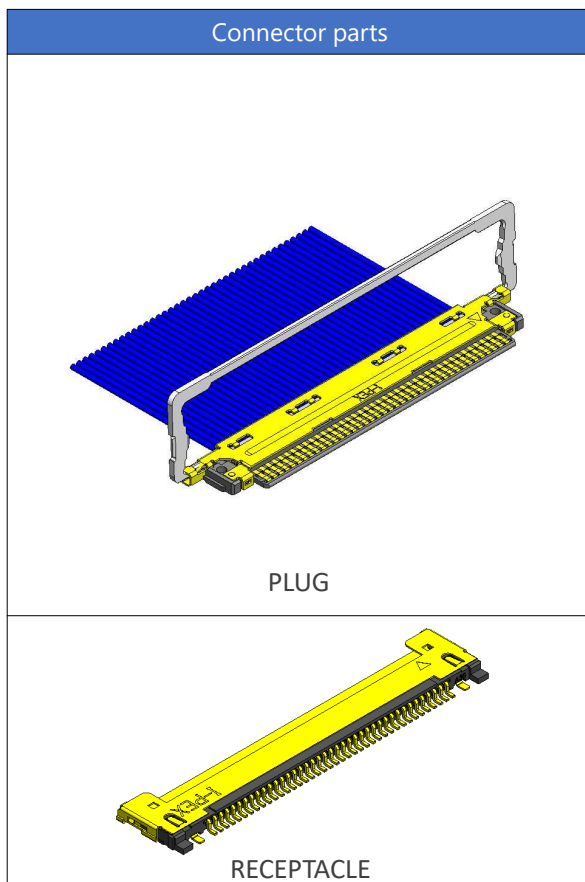


## ▶ EMI 실드 및 멀티 그라운드 접점 설계



# Component Parts Details

## Component Parts

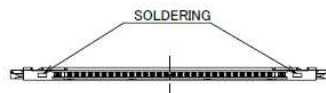
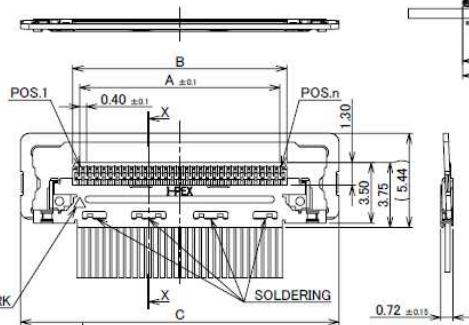
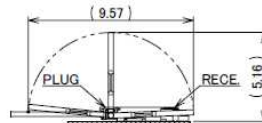
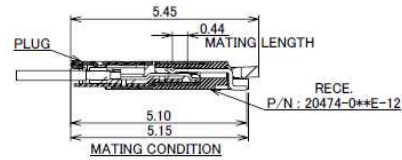
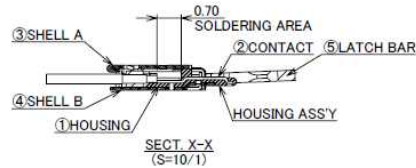
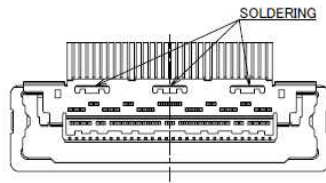
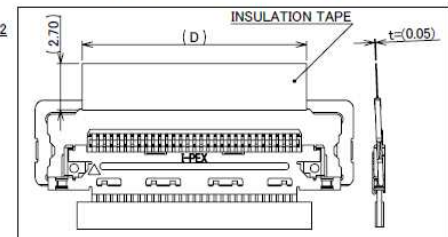
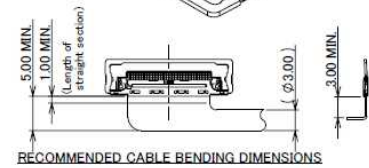
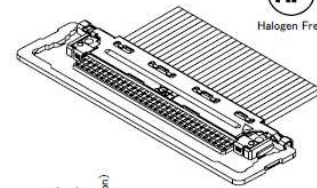


## Plug for Cable Assembly

PART NO.	POS.	A	B	C	D
20472-030T-10	30	11.60	12.40	18.44	13.00
20472-040T-10	40	15.60	16.40	22.44	17.00

P/N : 20472-\*\*\*T-10

- POS.
- 0: WITH LATCH BAR
- 1: WITHOUT LATCH BAR



WITH LATCH BAR

### LATCH MOVEMENTS

5	LATCH BAR	SUS	
4	SHELL B	PHOSPHOR BRONZE	Aw 0.05 $\mu$ m MIN. OVER Ni 1.00 $\mu$ m MIN.
3	SHELL A	PHOSPHOR BRONZE	Aw 0.05 $\mu$ m MIN. OVER Ni 1.00 $\mu$ m MIN.
2	CONTACT	PHOSPHOR BRONZE	Aw 0.1 $\mu$ m MIN. OVER Ni 1.00 $\mu$ m MIN.
1	HOUSING	LCP	UL94V-0, BLACK
NO.	DISCRIPTION	MATERIAL	FINISH , REMARKS

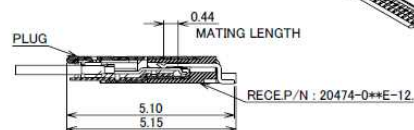
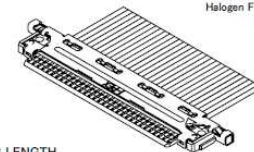
### INSULATION TAPE RECOMMENDED DIMENSIONS

AW 0.05 $\mu$ m MIN. OVER Ni 1.00 $\mu$ m MIN.	
AW 0.05 $\mu$ m MIN. OVER Ni 1.00 $\mu$ m MIN.	
AW 0.1 $\mu$ m MIN. OVER Ni 1.00 $\mu$ m MIN.	
UL94V-0, BLACK	
	FINISH , REMARKS

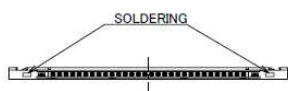
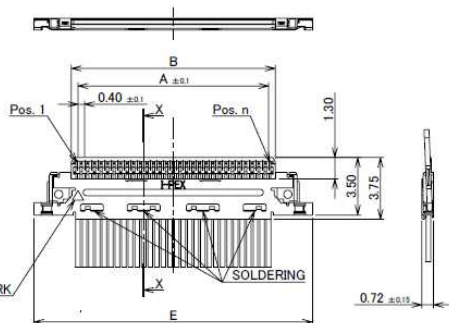
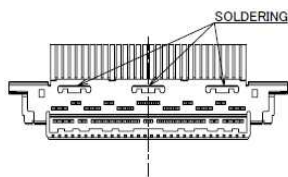
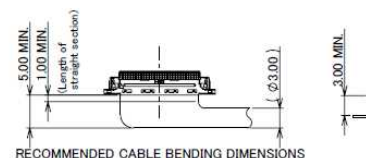
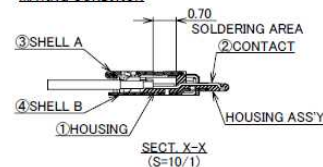
PART NO.	POS.	A	B	E
20472-130T-10	30	11.60	12.40	16.94
20472-140T-10	40	15.60	16.40	20.94

P/N : 20472-#\*\*T-10

- POS.
- 0: WITH LATCH BAR
- 1: WITHOUT LATCH BAR



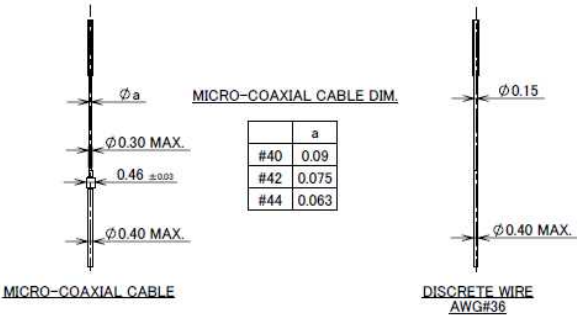
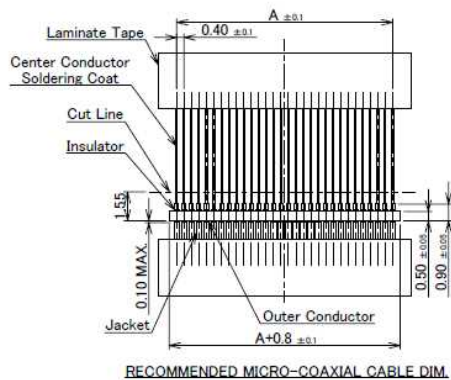
### MATING CONDITION



WITHOUT LATCH BAR

Plug for Cable Assembly

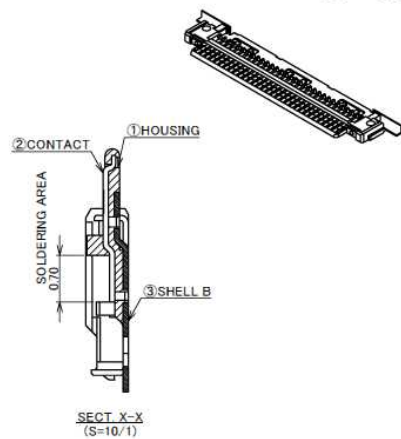
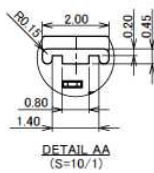
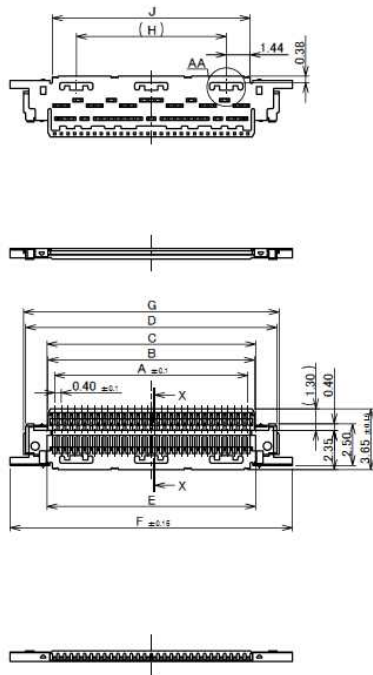
PART NO.	POS.	A
20472-#30T-10	30	11.60
20472-#40T-10	40	15.60



Rev.13

Plug Housing Assembly

Recommended P/N		20473-0**T-10									
PART NO.	POS.	A	B	C	D	E	F	G	H	J	
20473-030T-10	30	11.60	12.40	12.65	15.08	12.65	16.94	15.34	9.00	11.88	
20473-040T-10	40	15.60	16.40	16.65	19.08	16.65	20.94	19.34	13.00	15.88	



NOTES  
1. THIS PART IS ASSEMBLED WITH SHELL A(P/N 2618-0\*\*1)  
AND LATCH BAR(P/N 2619-\*\*\*0) AFTER SOLDERED THE CABLE.  
AND IT BECOMES P/N 20472-0\*\*T-10

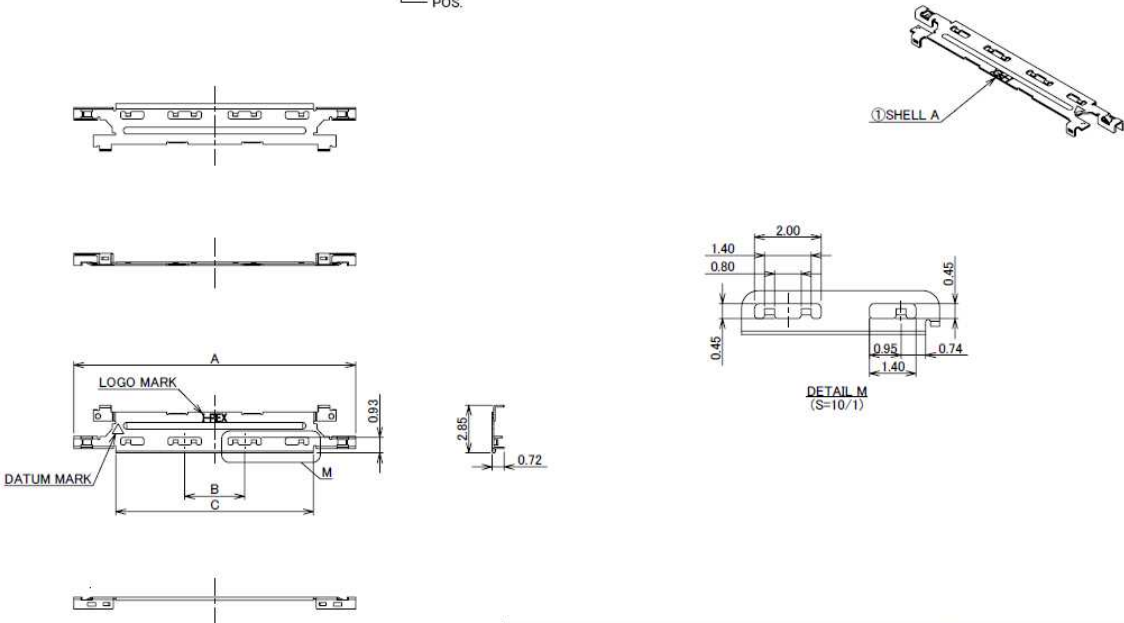
3	SHELL B	PHOSPHOR BRONZE	Au 0.05 $\mu$ m MIN. OVER Ni 1.00 $\mu$ m MIN.
2	CONTACT	PHOSPHOR BRONZE	Au 0.1 $\mu$ m MIN. OVER Ni 1.00 $\mu$ m MIN.
1	HOUSING	LCP	UL94V-0, BLACK
NO	DISCRIPTION	MATERIAL	FINISH , REMARKS

Rev.6

Plug Shell-A

Recommended P/N		2618-0**1		
PART NO.	POS.	A	B	C
2618-0301	30	16.94	3.60	11.88
2618-0401	40	20.94	5.60	15.88

P/N:2618-0\*\*1  
POS.



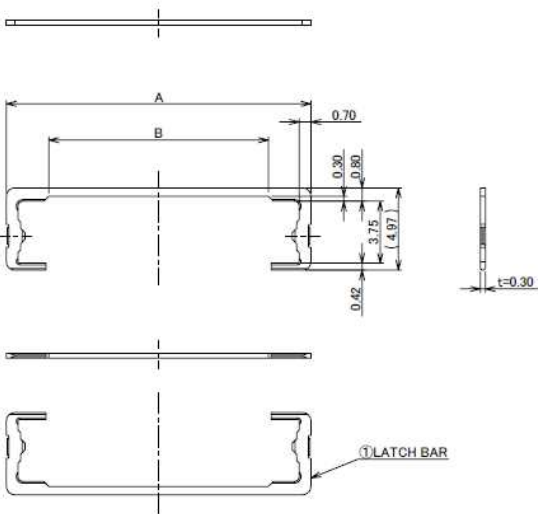
1	SHELL A	PHOSPHOR BRONZE	Au 0.05 $\mu$ m MIN. OVER Ni 1.00 $\mu$ m MIN.
NO.	DISCRIPTION	MATERIAL	FINISH , REMARKS

Rev.5

Plug Latch Bar

Recommended P/N		2619-0**0	
PART NO.	POS.	A	B
2619-0300	30	15.44	13.00
2619-0400	40	22.44	17.00

2619-0\*\*0  
POS.



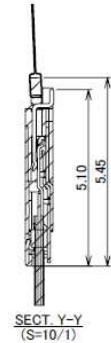
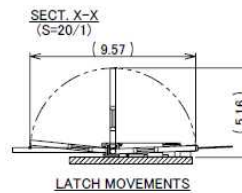
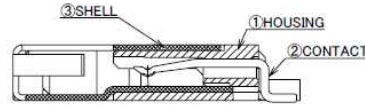
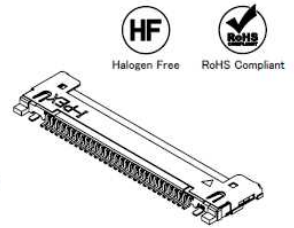
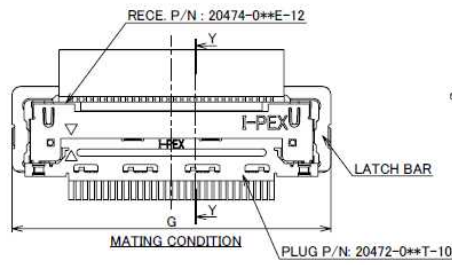
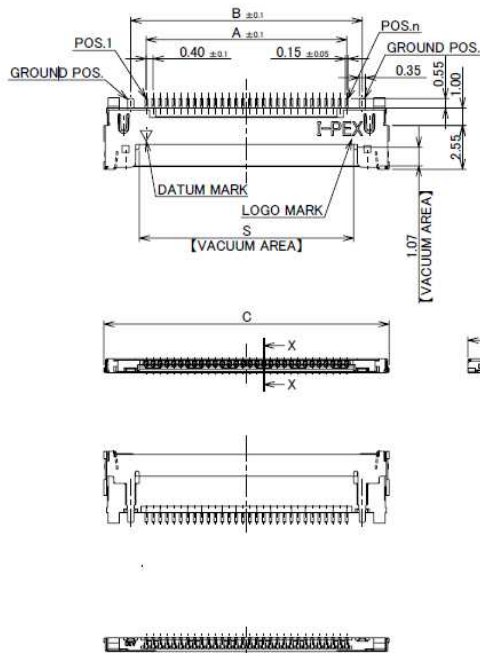
1	LATCH BAR	SUS	-
NO.	DISCRIPTION	MATERIAL	FINISH , REMARKS

Rev.7



# Receptacle Assembly

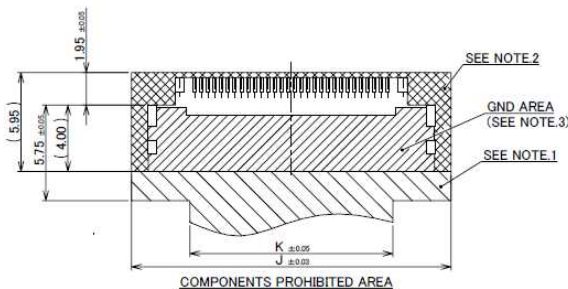
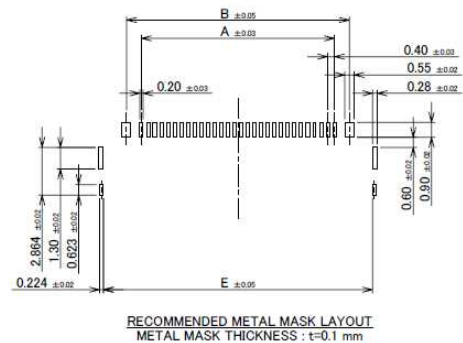
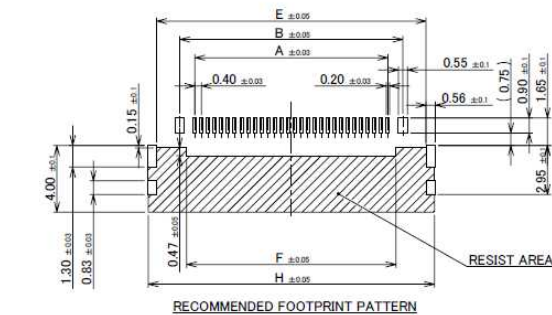
Recommended P/N		20474-0**E-12					
PART NO.	POS.	A	B	C	G	S	
20474-030E-12	30	11.60	13.40	16.50	18.44	12.40	
20474-040E-12	40	15.60	17.40	20.50	22.44	16.40	



3	SHELL	PHOSPHOR BRONZE	Au 0.05 $\mu$ m MIN. OVER Ni 1.00 $\mu$ m MIN.
2	CONTACT	PHOSPHOR BRONZE	CONTACT AREA : Au 0.1 $\mu$ m MIN. OVER Ni 1.00 $\mu$ m MIN. SOLDERING AREA : Au 0.03 $\mu$ m MIN. OVER Ni 1.00 $\mu$ m MIN.
1	HOUSING	LCP	UL94V-0, BLACK
NO.	DISCRIPTION	MATERIAL	FINISH, REMARKS

Rev.13

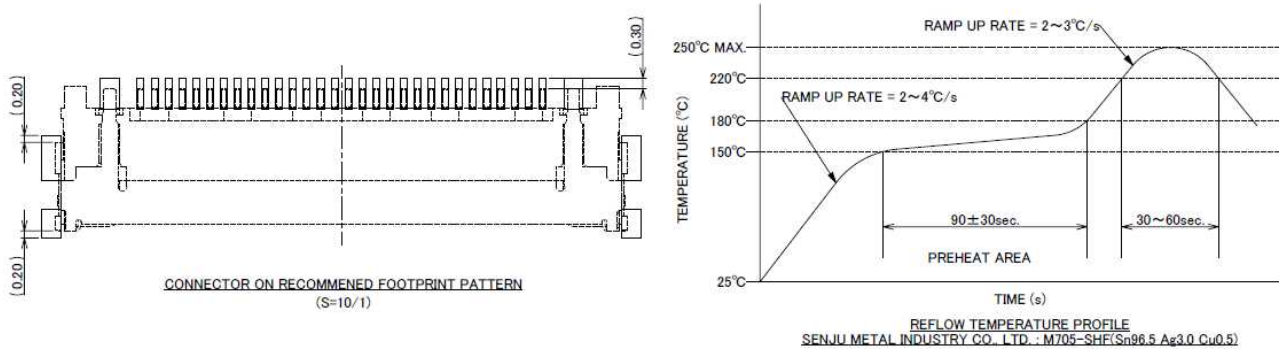
PART NO.	POS.	A	B	E	F	H	J	K
20474-030E-12	30	11.60	13.40	16.18	12.59	17.20	19.20	12.20
20474-040E-12	40	15.60	17.40	20.18	16.59	21.20	23.20	16.20



- NOTES:  
1. DO NOT MOUNT ANOTHER COMPONENT IN THIS AREA.  
2. IN CASE OF PLUG WITH LATCH BAR(20472-0\*\*T-10), DO NOT MOUNT ANOTHER COMPONENT IN THIS AREA.  
3. SOLDER RESIST MUST BE APPLIED TO THIS AREA.

Rev.13

# Receptacle Assembly



Rev.13

ITEMS	SPECIFICATION
APPLICABLE CABLE	MICRO-COAXIAL CABLE : AWG# 40, 42, 44 DISCRETE WIRE : AWG# 36
RATING VOLTAGE	100V AC (PER CONTACT PIN)
RATING AMPERAGE (FOR CONTACT)	0.1A AC/DC [AWG#44] PER CONTACT PIN 0.24A AC/DC [AWG#42] PER CONTACT PIN 0.3A AC/DC [AWG#40] PER CONTACT PIN 0.8A AC/DC [AWG#36] PER CONTACT PIN
OPERATING TEMPERATURE	233~358K(-40°C~+85°C)
OPERATING HUMIDITY	85% MAX.(NON-CONDENSING)
CONTACT RESISTANCE	INITIAL : 275mohm MAX. (AWG#36)/ AFTER TEST : ≦40mohm MAX. 600mohm MAX. (AWG#40) 700mohm MAX. (AWG#42) 1080mohm MAX. (AWG#44)
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 : 10N MAX. 40P : 12N MAX.
UNMATING FORCE (INITIAL / AFTER TEST)	30P : 3.0N MIN. 40P : 4.0N MIN.
CABLE RETENTION FORCE	30P : 14.70N MIN. 40P : 19.60N MIN.
PRODUCT SPECIFICATION	PRS-1421
TEST REPORT	TR-08030
INSTRUCTION MANUAL	HIM-09002
ASSEMBLY MANUAL	ASM-09002
APPEARANCE CRITERIA No.	QLS-A***

Rev.13

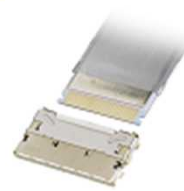
Board to  
Board



High-Density



Autolocking  
FPC/FFC



High-Density



FPC/FFC



Micro-Coaxial  
/ Discrete Cable



High-Speed



RF



High-Frequency



Optical  
Module



High-Speed



Power



High-Power



I/O  
(Input/Output)



Quick charge



Effector



Custom  
Connectors  
Available

Inquiry



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