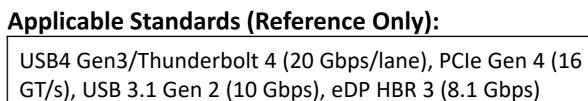
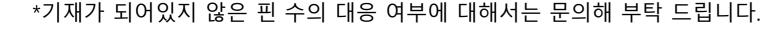
CABLINE®-CAL

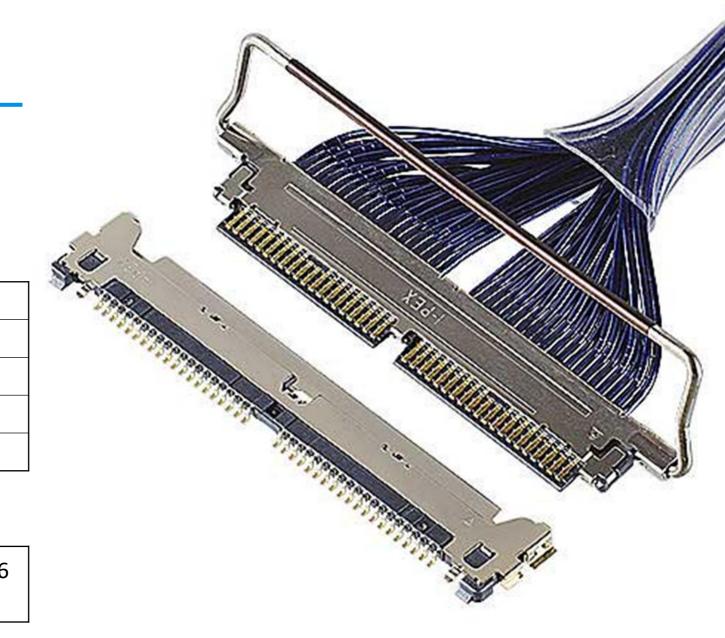
저배(높이 = 0.7 mm), 고속 전송 대응(20+ Gbps/lane), 기계식 Lock 기능 포함, 0.4 mm Pitch, 수평 결합 타입 세선 동축 커넥터

Product Specifications:							
Mating	g type	Horizontal					
Board Pitch (mm)		0.4					
Wiping Length (mm)		0.4					
	Height	0.7 +/- 0.1					
Mated size	Width	Formula: 10-20p: 6.85 +(0.4*?p)					
(mm)		Formula: 22-40p: 8.05 +(0.4*?p)					
	Depth	5.5					
Din Counts	Range	Up to 40					
Pin Counts	Available	30, 40					

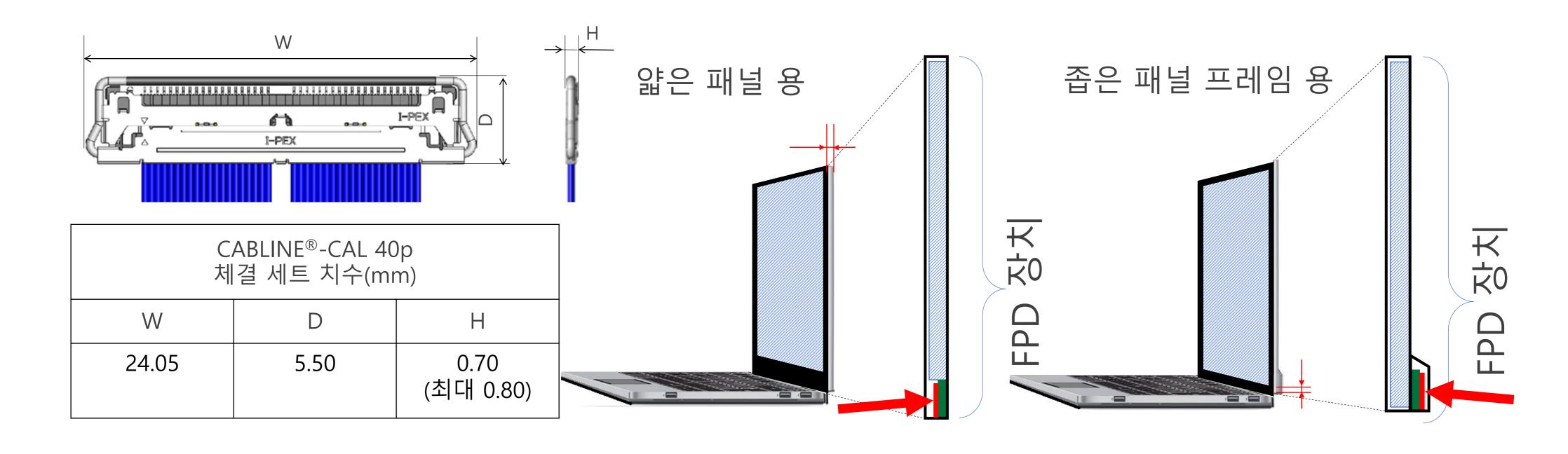
Applicable Cable Size:							
Maximum O.D. (mm)	0.4						
Micro-Coaxial	45 ohm: #38 or smaller						
for Signal (AWG)	50 ohm: #40 or smaller						
Twinax (AWG)	-						
Discrete (AWG)	#34 or smaller						







한정된 커넥터 실장 공간에 대응하는 초박형 설계



USB4 Gen3/Thunderbolt 4 (20Gbps/lane)의 고속 전송 내부 접속에 최적

USB4 Gen3/Thunderbolt 4 (20 Gbps/lane)

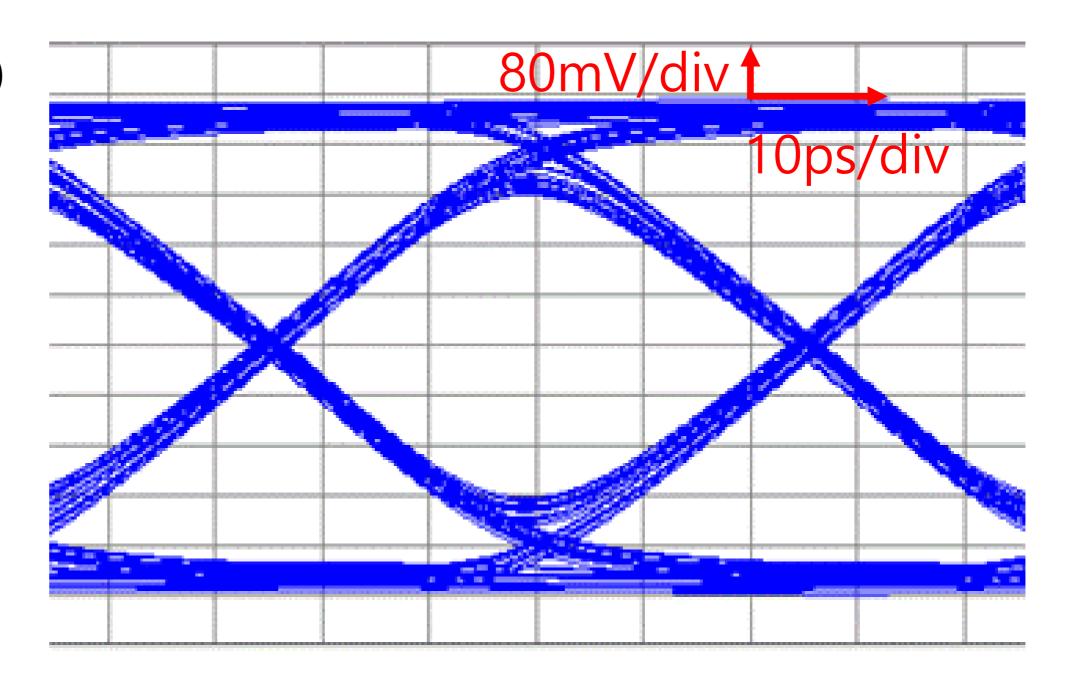
아이 패턴(차동)

비트 전송률: 20Gbps

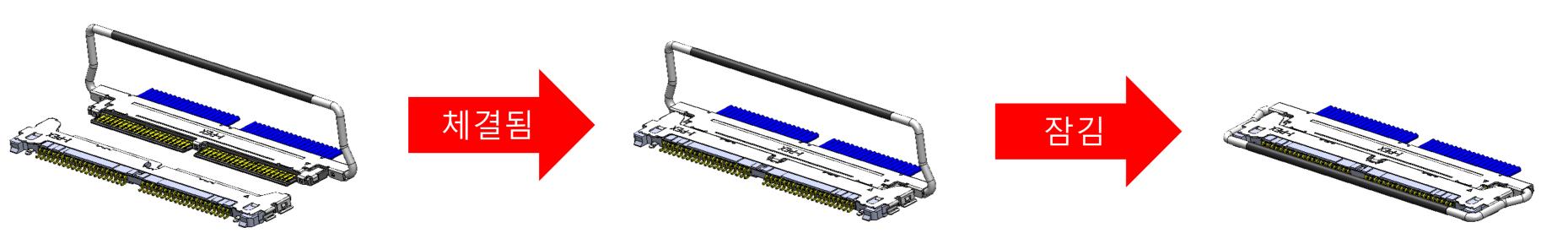
상승 시간: 30ps(10-90%)

입력 전압: 800mVp-p

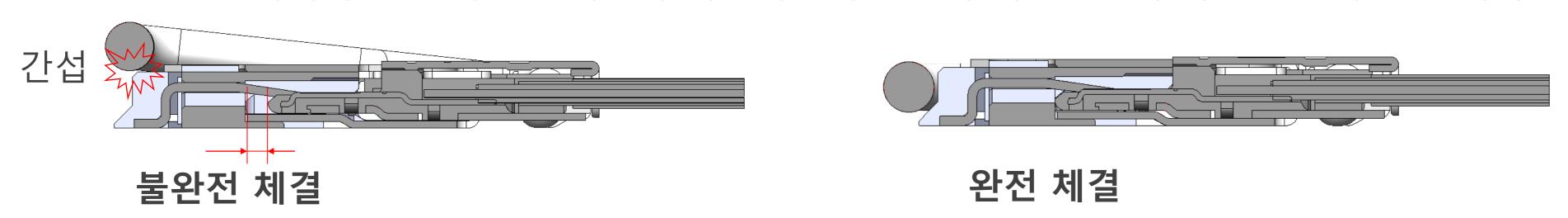
*자세한 테스트 정보는 I-PEX Connectors 에 문의하십시오.



기계식 Locking bar에 의한 불완전 결합 방지와 Plug 이탈 방지



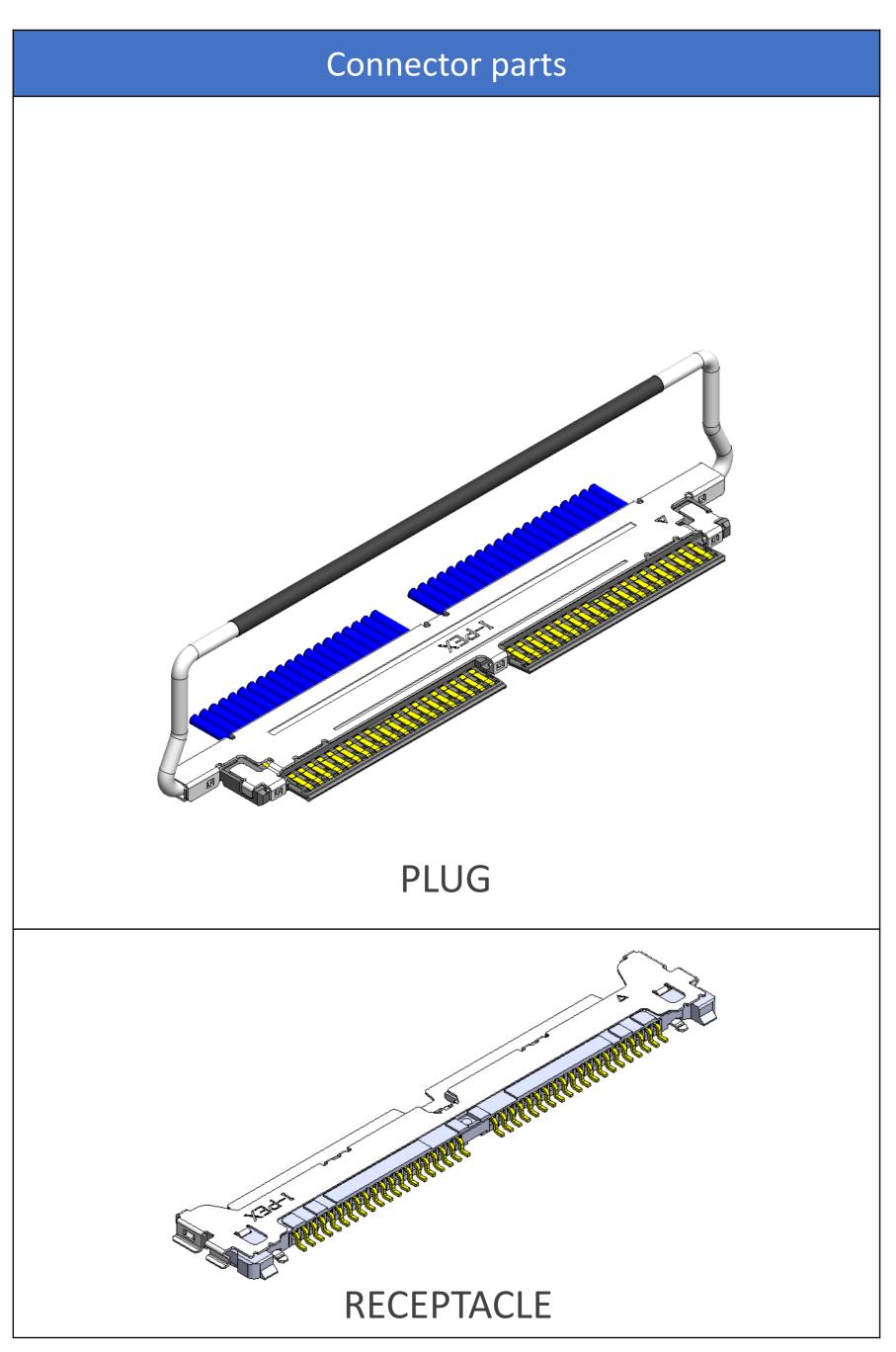
기계식 잠금 바는 플러그가 리셉터클에 완전히 체결된 경우에만 잠글 수 있습니다.

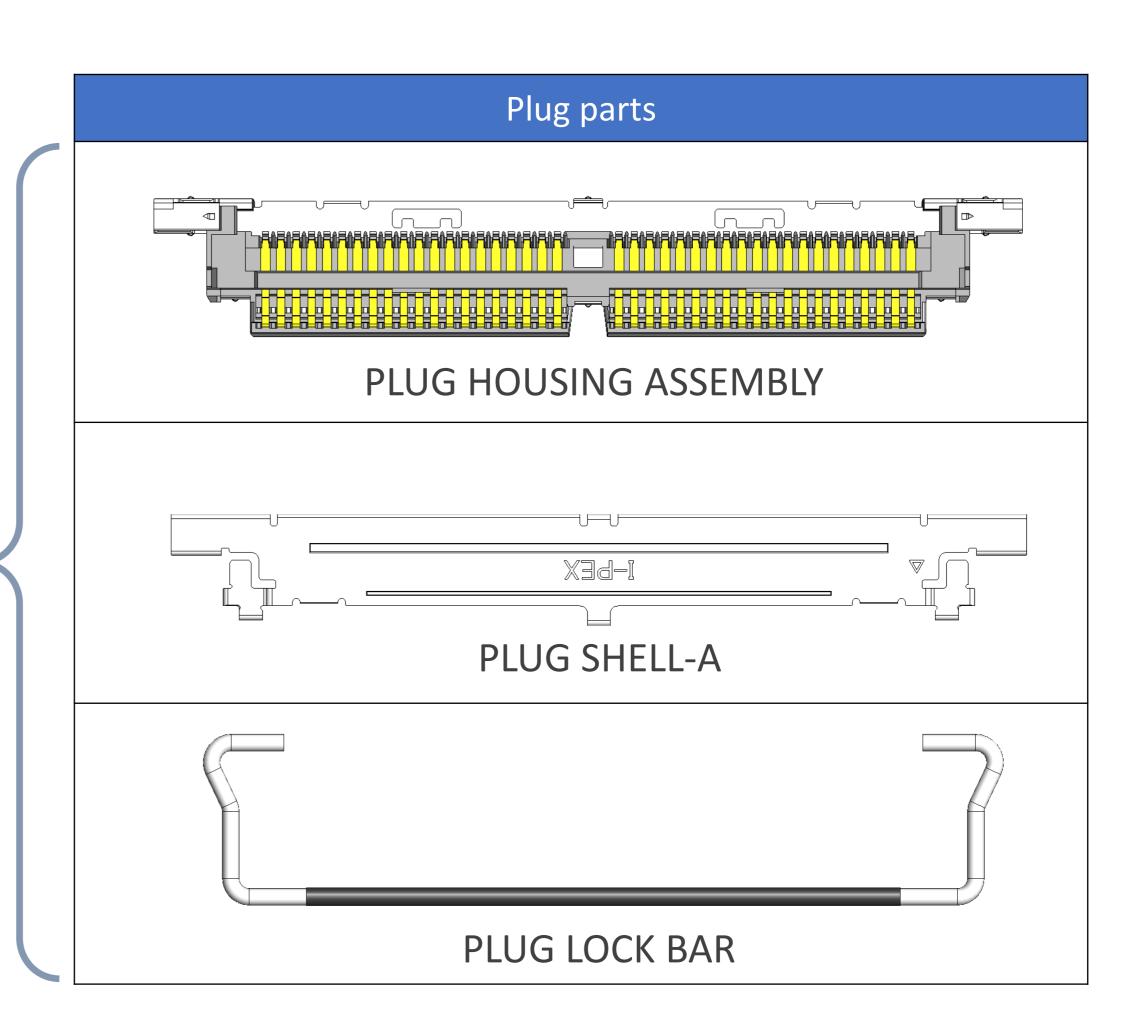




Component Parts Details

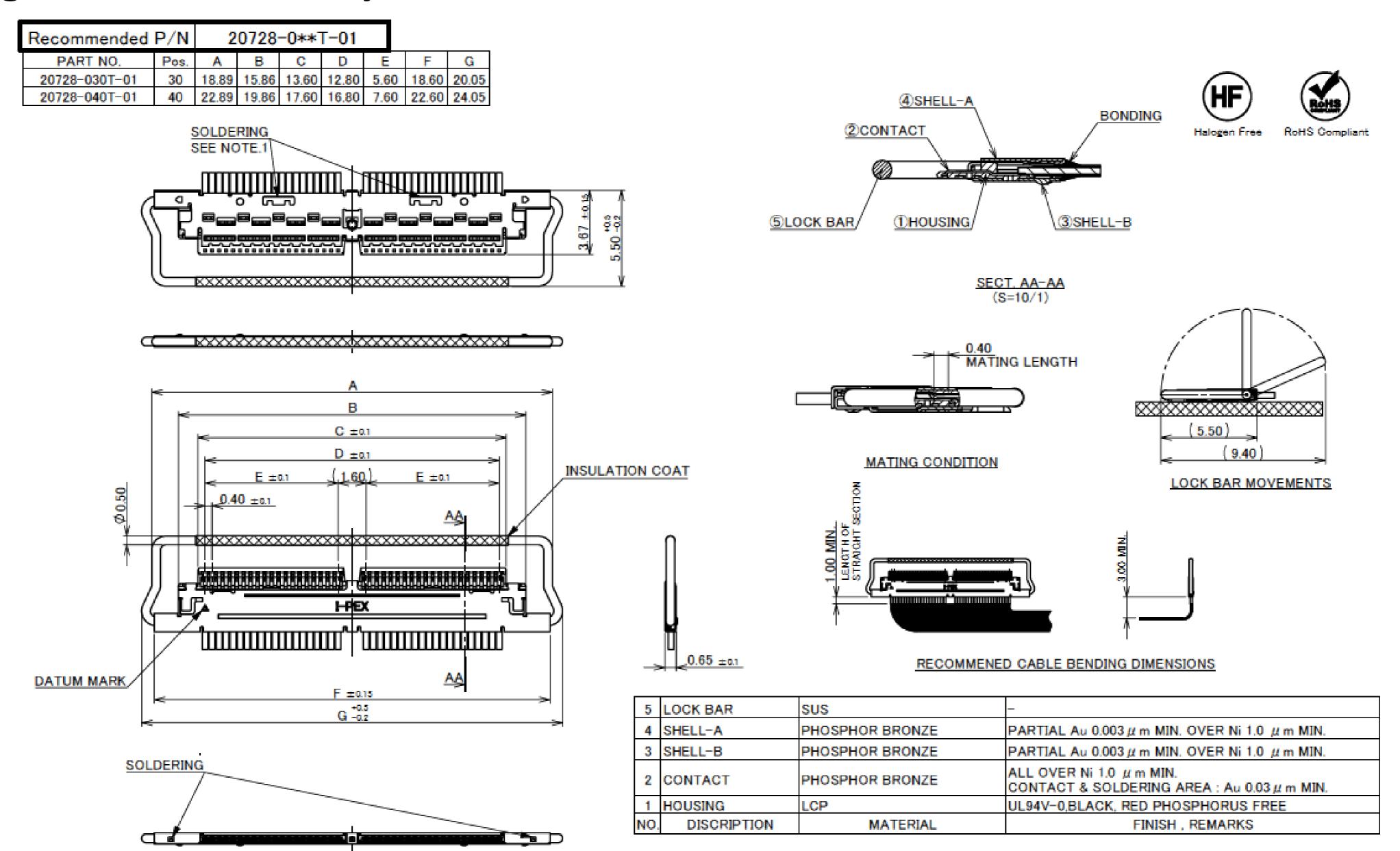
Component Parts







Plug for Cable Assembly

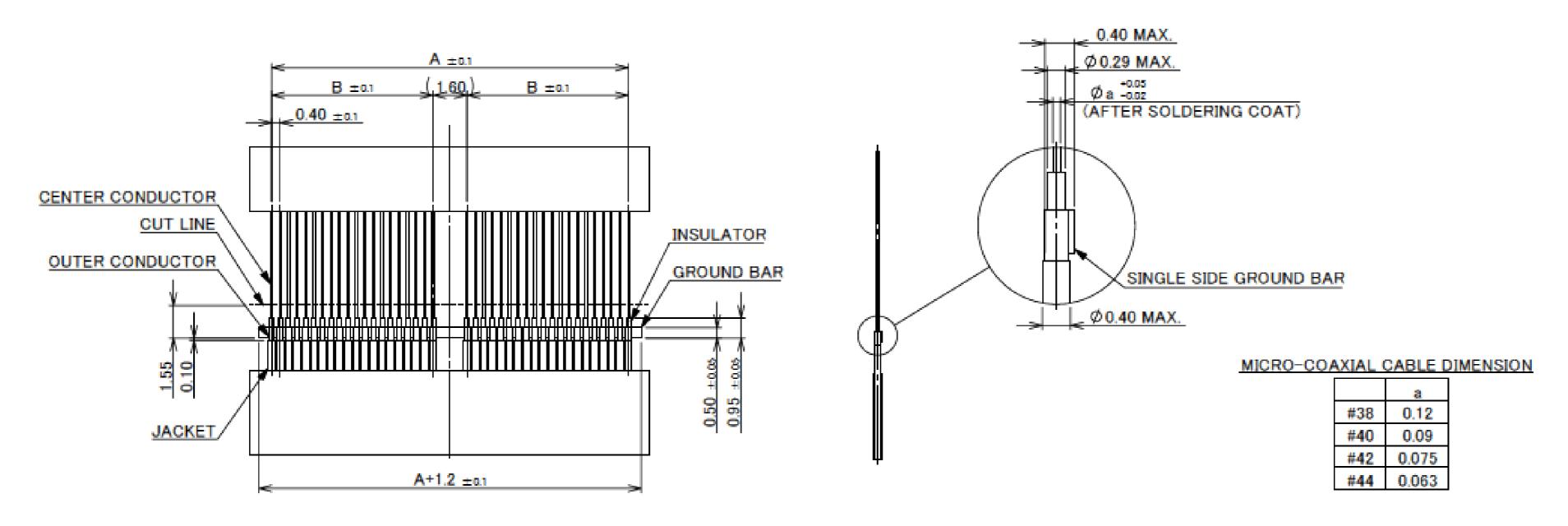


NOTES.

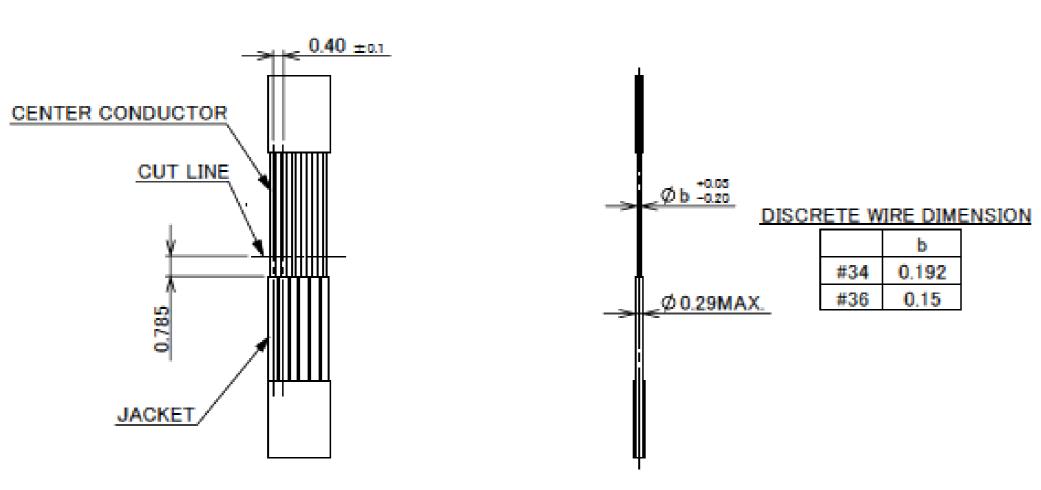
1. SOLDERING IS ONLY A CASE WITH GND-BAR.

Rev.6

PART NO.	Pos.	Α	В
20728-030T-0#	30	12.80	5.60
20728-040T-0#	40	16.80	7.60



RECOMMENDED MICRO-COAXIAL CABLE DIMENSION



RECOMMENDED DISCRETE WIRE DIMENSION

Rev.6

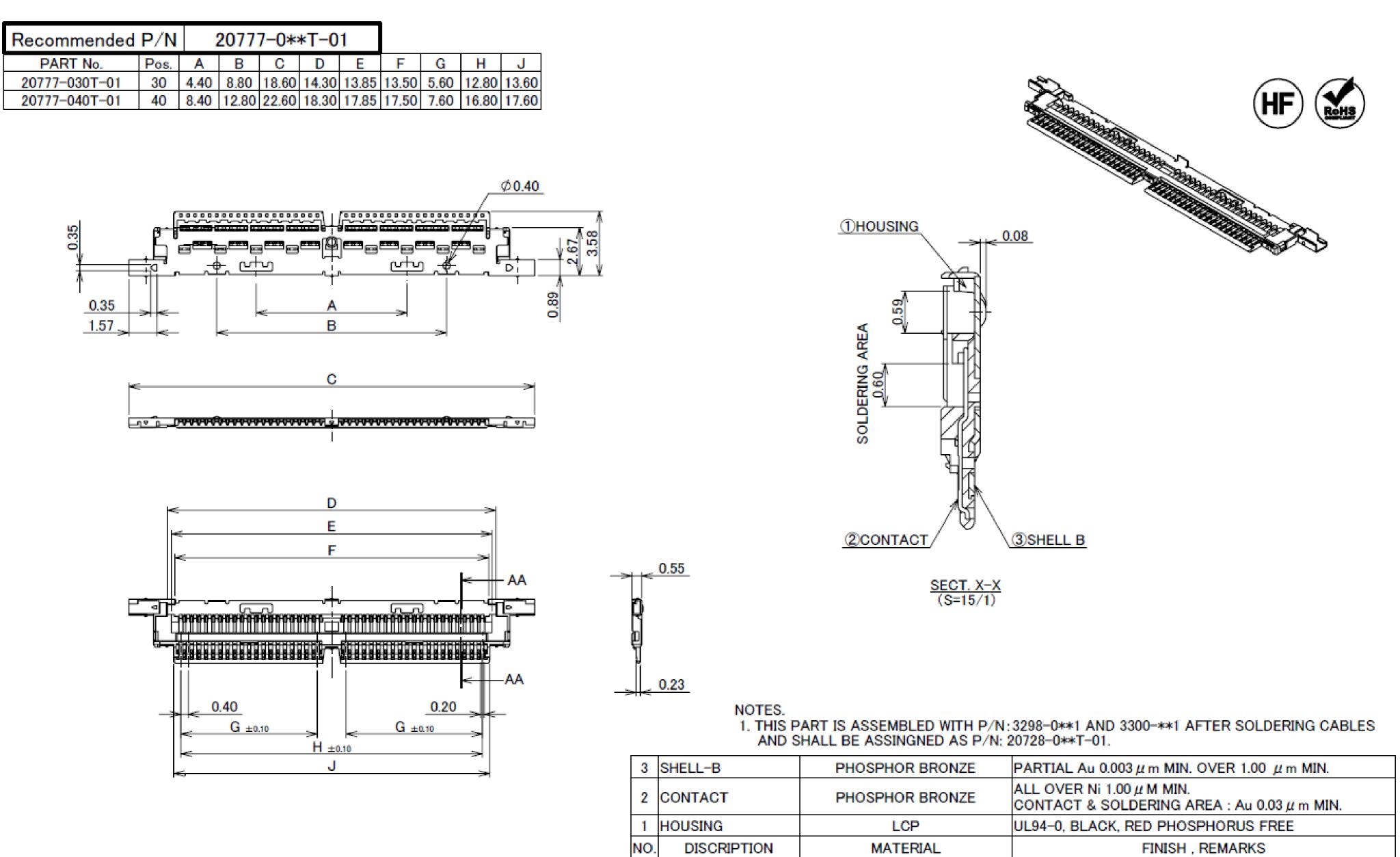


Plug for Cable Assembly

ITEMS	SPECIFICATION
APPLICABLE CABLE	MICRO-COAXIAL CABLE : AWG# 38,40,42,44 DISCRETE WIRE : AWG# 34,36
RATING VOLTAGE	100V AC (PER CONTACT PIN)
RATING AMPERAGE (FOR CONTACT)	0.15A AC/DC [AWG#44] PER CONTACT PIN/UP TO 40 CONTACTS 0.24A AC/DC [AWG#42] PER CONTACT PIN/UP TO 40 CONTACTS 0.30A AC/DC [AWG#40] PER CONTACT PIN/UP TO 32 CONTACTS 0.50A AC/DC [AWG#38] PER CONTACT PIN, FOR POWER/UP TO 14 CONTACTS 0.80A AC/DC [AWG#36] PER CONTACT PIN, FOR POWER/UP TO 5 CONTACTS 1.00A AC/DC [AWG#34] PER CONTACT PIN, FOR POWER/UP TO 4 CONTACTS ** TESTING BY A REAL MACHINE IS RECOMMENDED BECAUSE TEMPERATURE RISE MAY AFFECTED BY ACTUAL SITUATION
OPERATING TEMPERATURE	233~358K(-40°C~+85°C)
OPERATING HUMIDITY	85% MAX.(NON-CONDENSING)
CONTACT RESISTANCE	INITIAL: 180mohm MAX.(AWG#34) / AFTER TEST: \(\square \) 40mohm MAX. 275mohm MAX.(AWG#36) 360mohm MAX.(AWG#38) 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 : 12.0N MAX. 40P : 16.0N MAX.
UNMATING FORCE (INITIAL / AFTER TEST)	30P: 1.80N MIN. 40P: 2.40N MIN.
CABLE RETENTION FORCE	30P : 11.8N MIN. 40P : 12.4N MIN
PRODUCT SPECIFICATION	PRS-2371
TEST REPORT	TR-17036
INSTRUCTION MANUAL	HIM-17010
ASSEMBLY MANUAL	ASM-17003
APPEARANCE CRITERIA No.	QLS-A***

Rev.6

Plug Housing Assembly



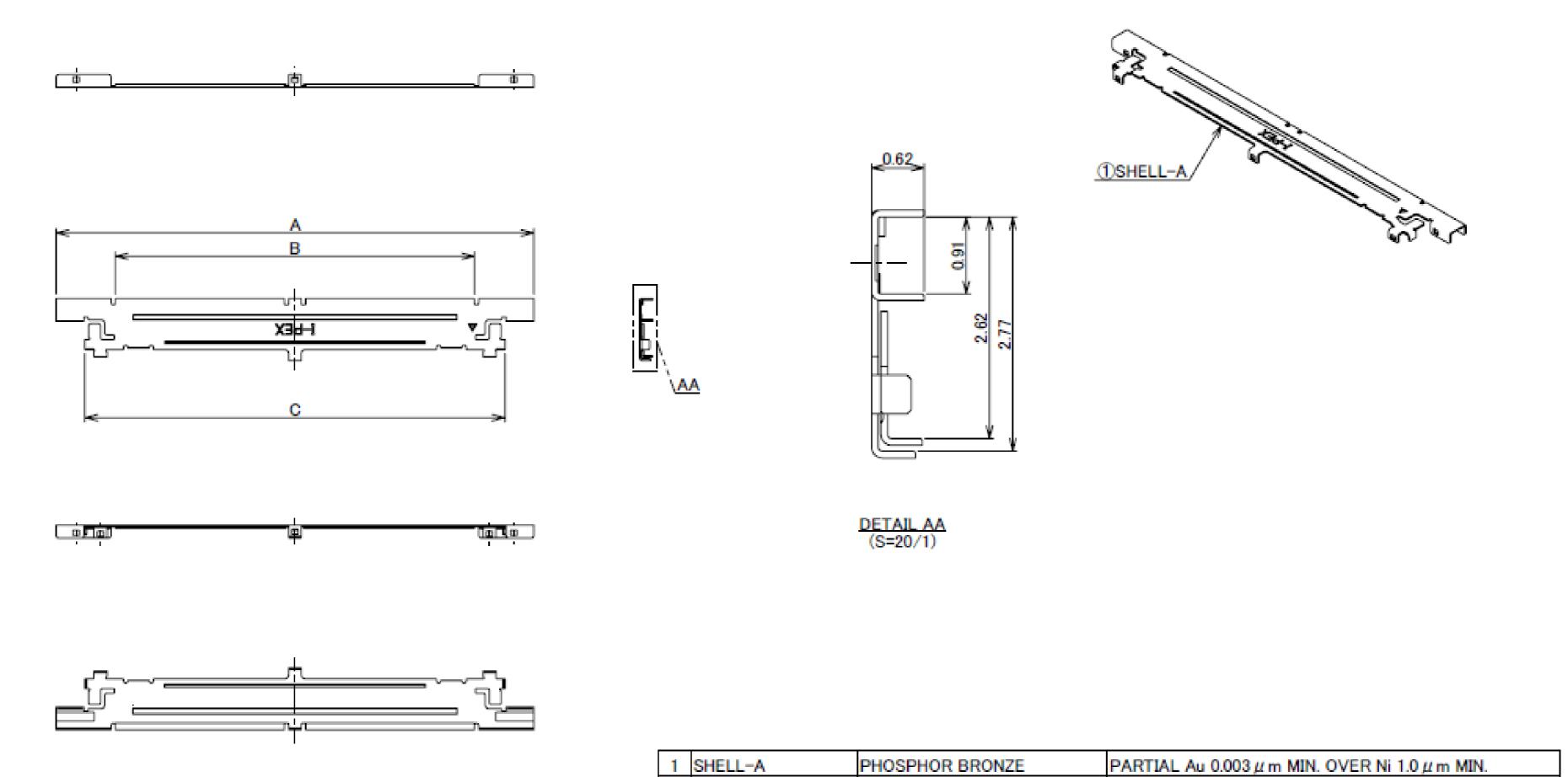


Plug Shell-A

Recommended	d P/I	N	32	298-0	**1	
PART No.	Pos.	Α	В	С		
3298-0301	30	18.60	12.98	15.86		
3298-0401	40	22.60	16.98	19.86		







DISCRIPTION FINISH , REMARKS MATERIAL

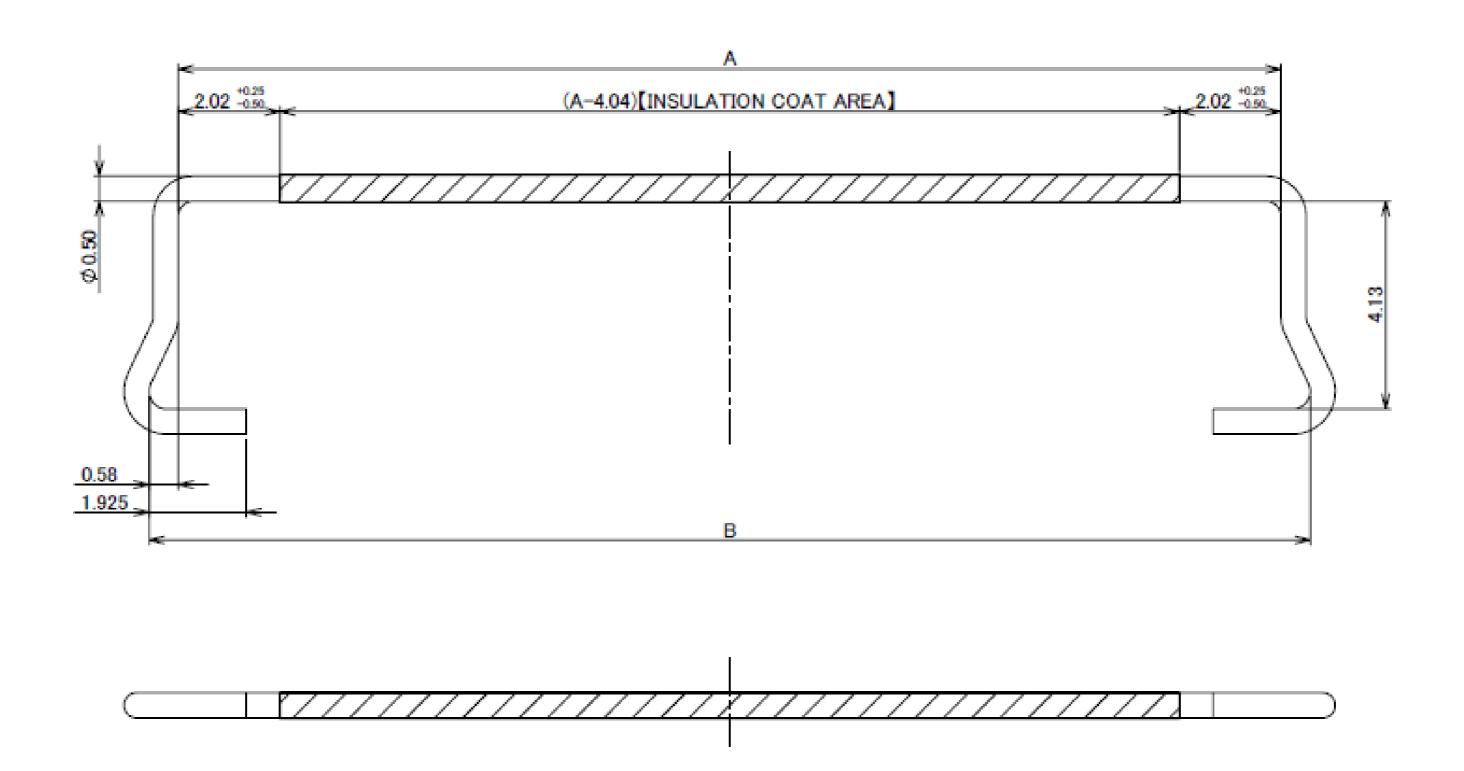
Rev.3

Plug Lock Bar

Recommende	d P/N		3300	- 0**1
PART No.	Pos.	Α	В	
3300-0301	30	17.89	19.05	
3300-0401	40	21.89	23.05	

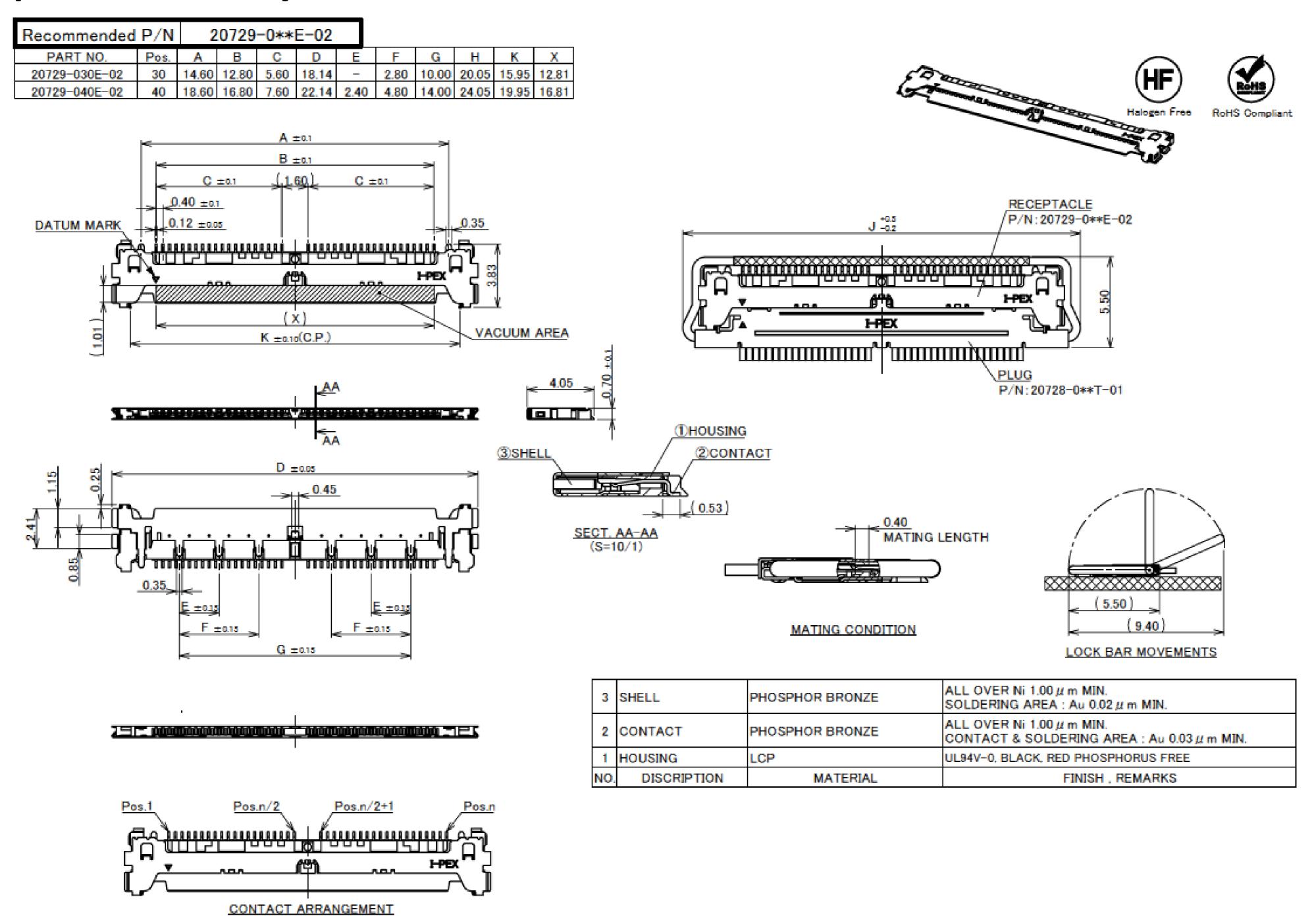






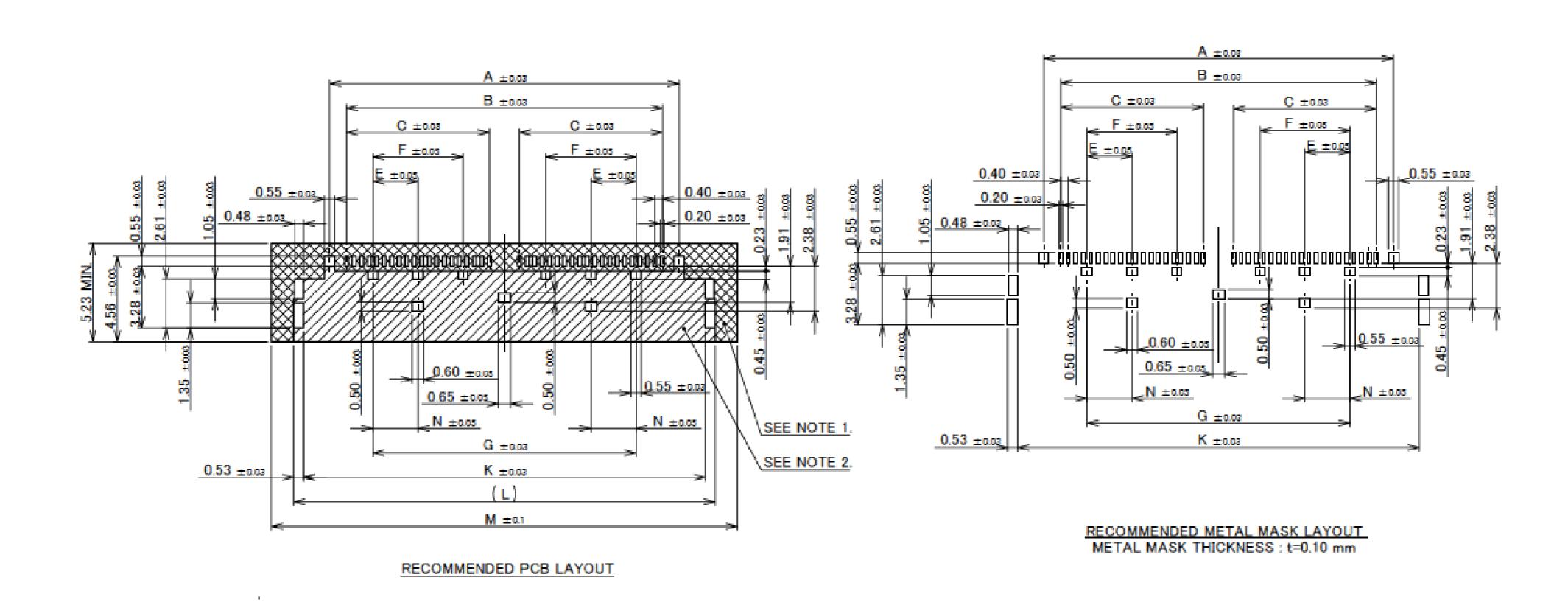
1	LOCK BAR	SUS	_
NO.	DISCRIPTION	MATERIAL	FINISH, REMARKS

Receptacle Assembly



Rev.8

PART NO.	Pos.	Α	В	С	F	F	G	K	L	М	N
20729-030E-02	30	14.60	12.80	5.60	_	2.80	10.00	17.38	18.44	20.80	1.40
20729-040E-02	40	18.60	16.80	7.60	2.40	4.80	14 00			24.80	2.40

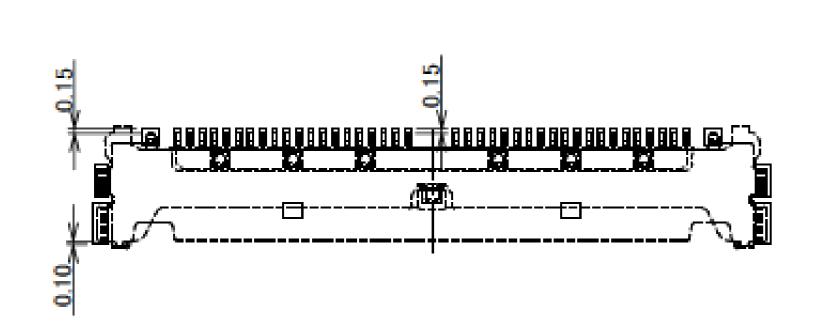


NOTES.

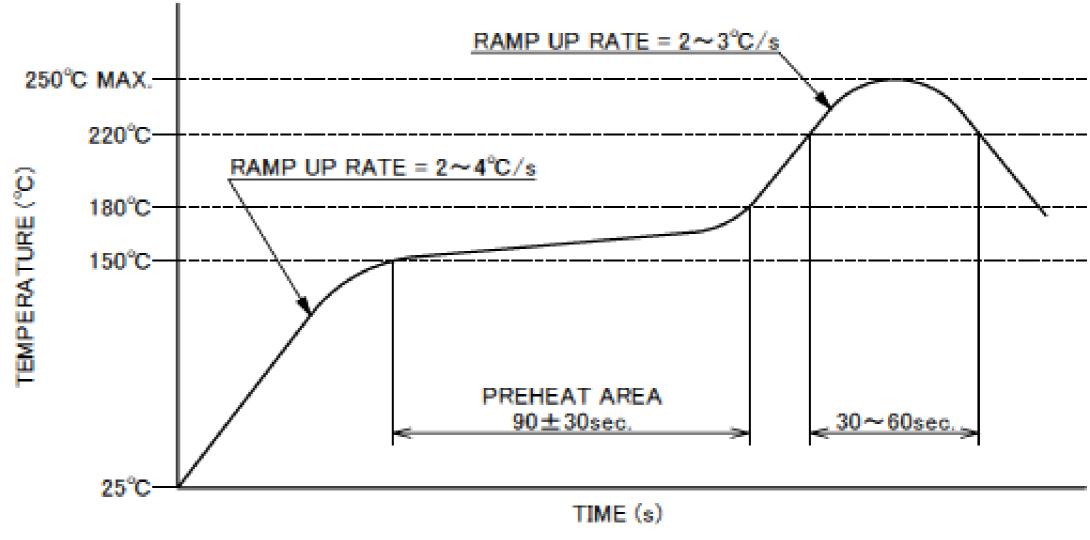
DO NOT MOUNT ANOTHER COMPONENTS IN THIS AREA.
 SOLDER RESIST MUST BE APPLIED TO THIS AREA.



Receptacle Assembly



CONNECTOR ON RECOMMENDED FOOTPRINT PATTERN



REFLOW TEMPERATURE PROFILE
SENJU METAL INDUSTRY CO., LTD.: M705-SHF(Sn96.5 Ag3.0 Cu0.5)

Rev.8

ITEMS	SPECIFICATION
APPLICABLE CABLE	MICRO-COAXIAL CABLE: AWG# 40,42,44
	DISCRETE WIRE : AWG# 34.36
RATING VOLTAGE	100V AC (PER CONTACT PIN)
RATING AMPERAGE (FOR CONTACT)	0.15A AC/DC [AWG#44] PER CONTACT PIN/UP TO 40 CONTACTS 0.24A AC/DC [AWG#42] PER CONTACT PIN/UP TO 40 CONTACTS 0.30A AC/DC [AWG#40] PER CONTACT PIN/UP TO 32 CONTACTS 0.50A AC/DC [AWG#38] PER CONTACT PIN, FOR POWER/UP TO 14 CONTACTS 0.80A AC/DC [AWG#36] PER CONTACT PIN, FOR POWER/UP TO 5 CONTACTS 1.00A AC/DC [AWG#34] PER CONTACT PIN, FOR POWER/UP TO 4 CONTACTS ** TESTING BY A REAL MACHINE IS RECOMMENDED
ODEDATING TEMPERATURE	BECAUSE TEMPERATURE RISE MAY AFFECTED BY ACTUAL SITUATION
OPERATING TEMPERATURE	233~358K(-40°C~+85°C)
OPERATING HUMIDITY	85% MAX.(NON-CONDENSING)
CONTACT RESISTANCE	INITIAL: 180mohm MAX.(AWG#34) / AFTER TEST: 275mohm MAX.(AWG#36) 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 : 12.0N MAX. 40P : 16.0N MAX.
UNMATING FORCE (INITIAL / AFTER TEST)	30P : 1.80N MIN. 40P : 2.40N MIN.
CABLE RETENTION FORCE	30P : 11.8N MIN. 40P : 12.4N MIN
COPLANARITY	0.10 MAX.
PRODUCT SPECIFICATION	PRS-2371
TEST REPORT	TR-17036
PACKING STANDARD	PST-17058
INSTRUCTION MANUAL	HIM-17010
APPEARANCE CRITERIA No.	QLS-A***





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Contact your sales representative or more detailed information.

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