CABLINE®-CX II Without Cover

협피치(0.25 mm Pitch), 저배(높이 = 0.78 mm max),기계식 Lock 기능 포함, 쉴드 & 멀티 그라운드 접점,수평 결합 타입 세선 동축 커넥터

Product Specifications:			
Mating type		Horizontal	
Board Pitch (mm)		0.5	
Wiping Length (mm)		0.54	
	Height	0.78 Max	
Mated size (mm)	Width	Formula: 6.45 + (0.25*?p)	
(11111)	Depth	5.21	
Din Counts	Range	Up to 40	
Pin Counts	Available	40	

Applicable Cable Size:		
Maximum O.D. (mm)	0.25	
Micro-Coaxial	45 ohm: #44 or smaller	
for Signal (AWG)	50 ohm: #46 or smaller	
Twinax (AWG)	-	
Discrete (AWG)	#39 or smaller	

Applicable Standards (Reference Only):

USB 3.1 Gen 1 (5 Gbps), V-By-One HS 1.4 (4 Gbps),

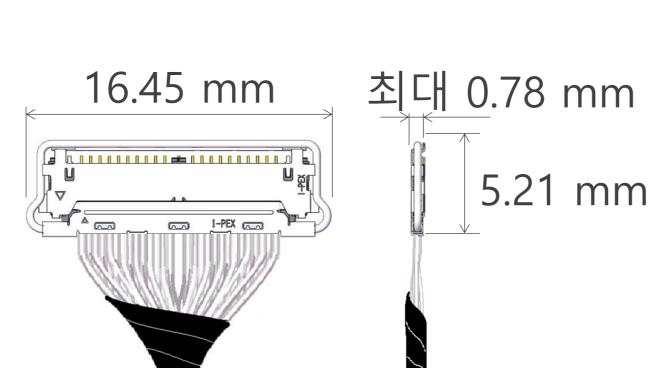
HDMI 1.3 (3.4 Gbps) Gbps

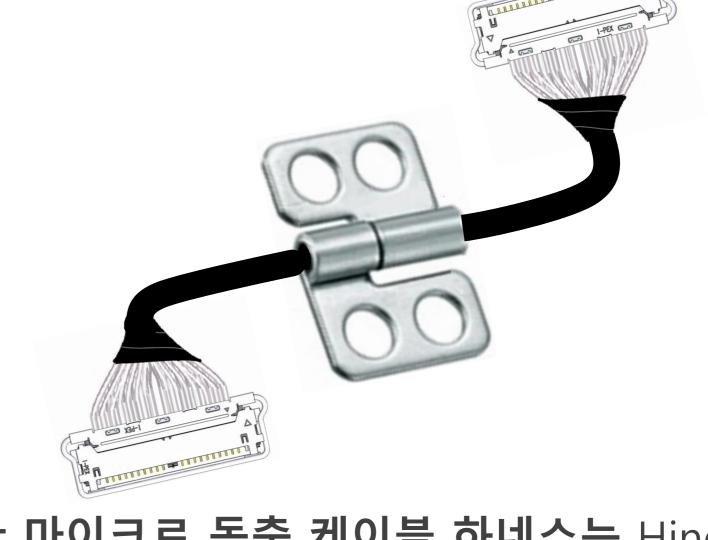
*기재가 되어있지 않은 핀 수의 대응 여부에 대해서는 문의해 부탁 드립니다. *With Cover타입 CABLINE®-CX II 유형(체결 높이 최대 1.0mm)도 있습니다.

현소한 공간에 최적 <u>CABLINE® 커넥터의 힌지부를 통과시키는 시뮬레이션</u>

CABLINE-CX II 40p 크기는 1센트 동전보다 작습니다. 체결 높이: 최대 0.78mm





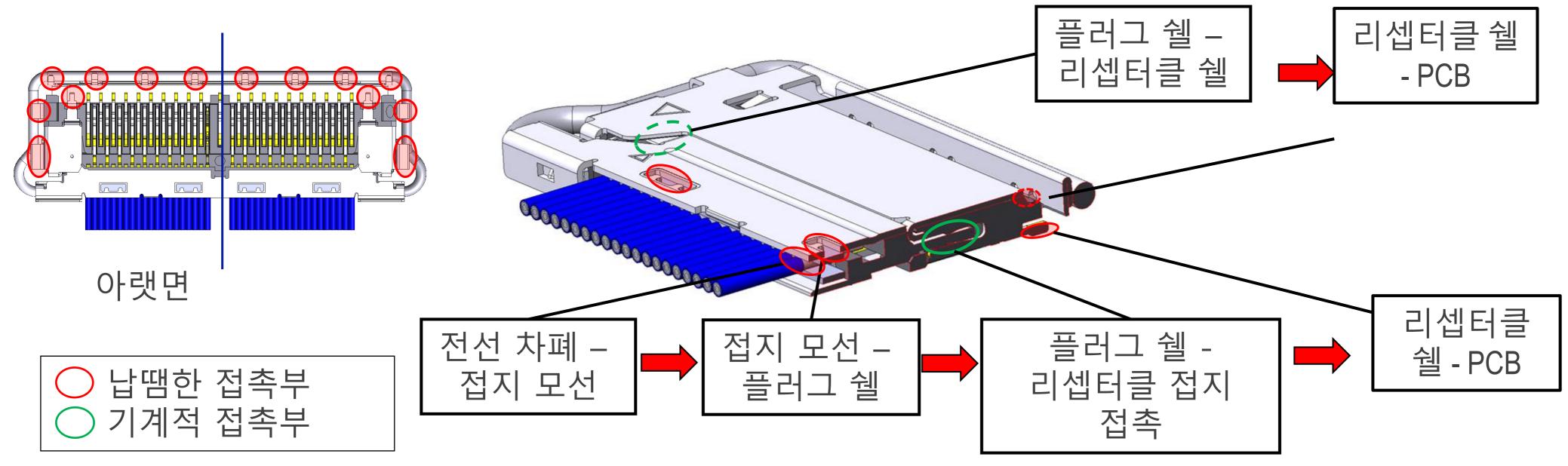


유연한 마이크로 동축 케이블 하네스는 Hinge 디자인이 적용된 어플리케이션에 적합합니다.

기계식 Locking bar에 의한 불완전 결합 방지와 Plug 이탈 방지



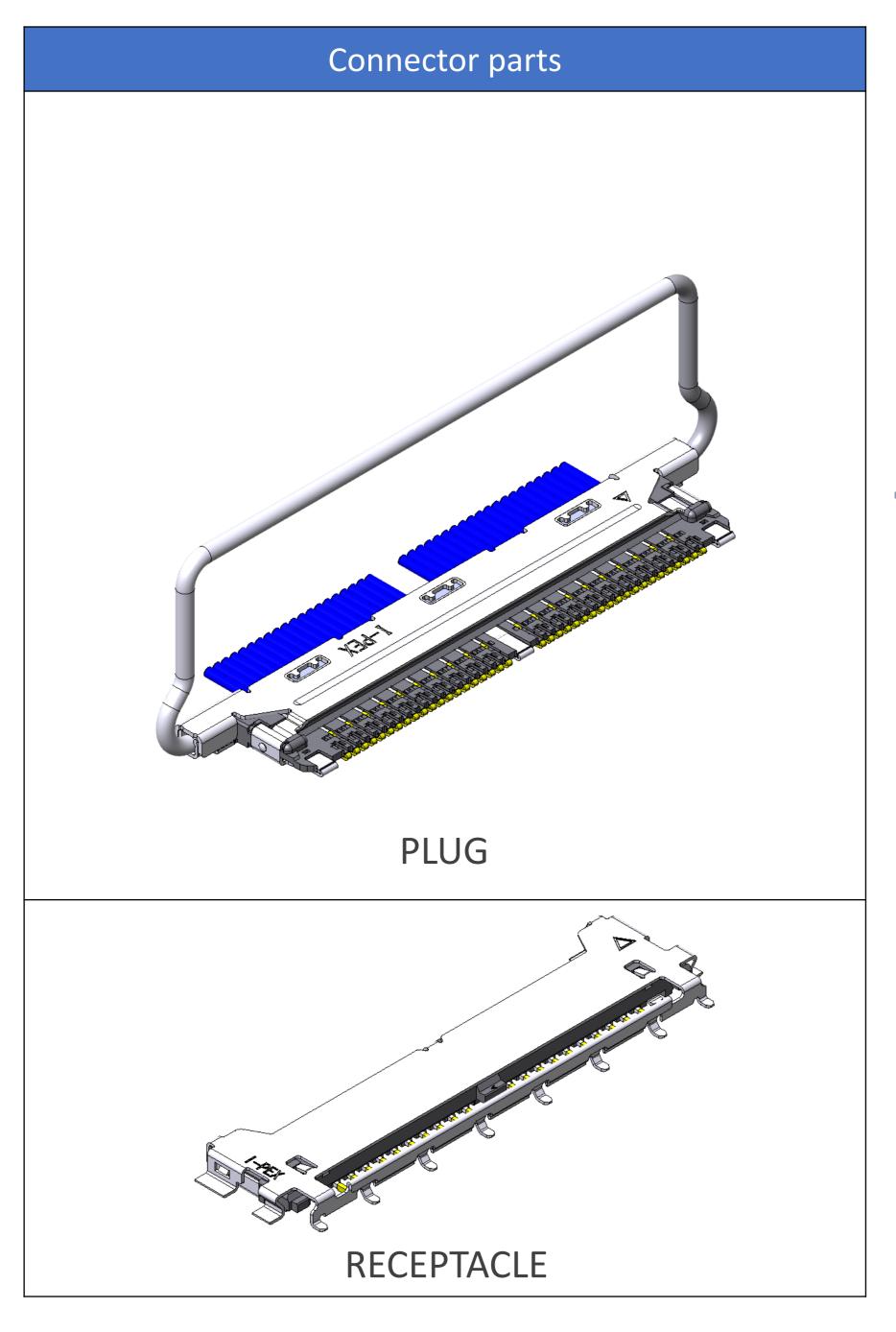
EMI 쉴드 및 멀티 그라운드 접점 설계

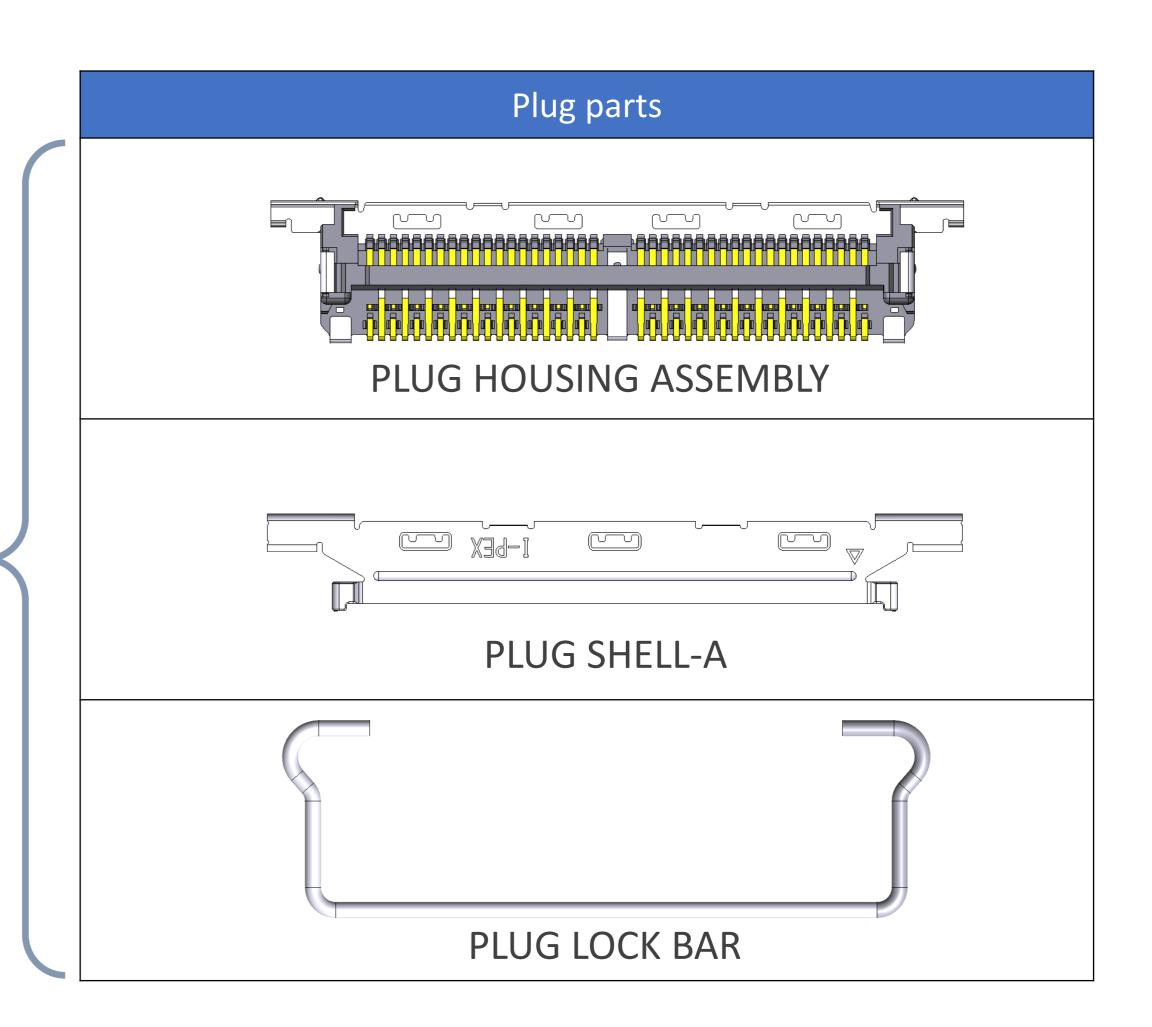




Component Parts Details

Component Parts

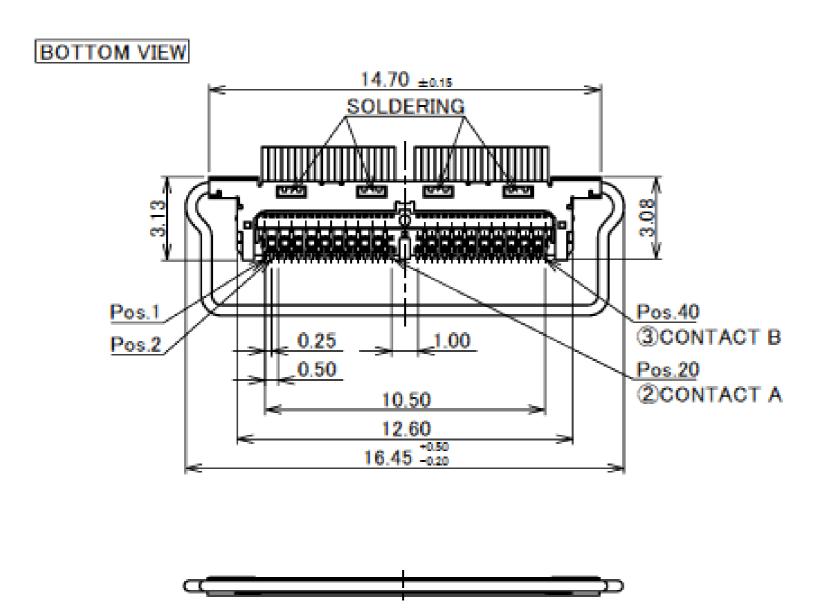


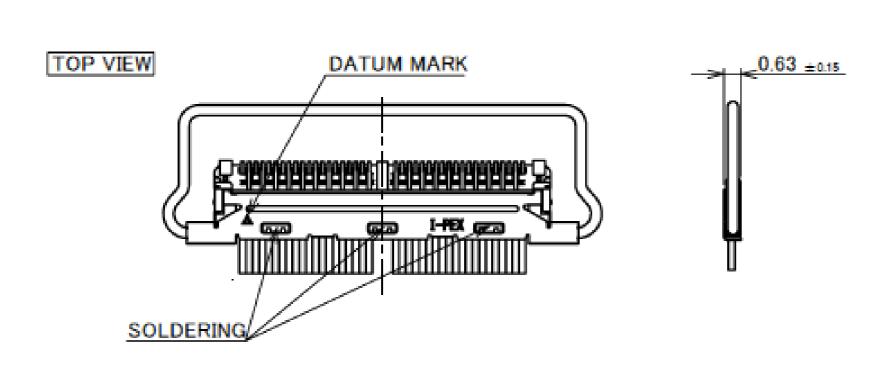


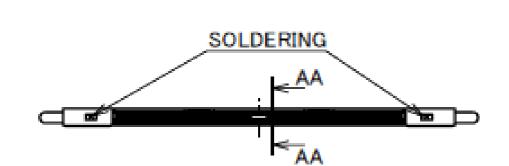


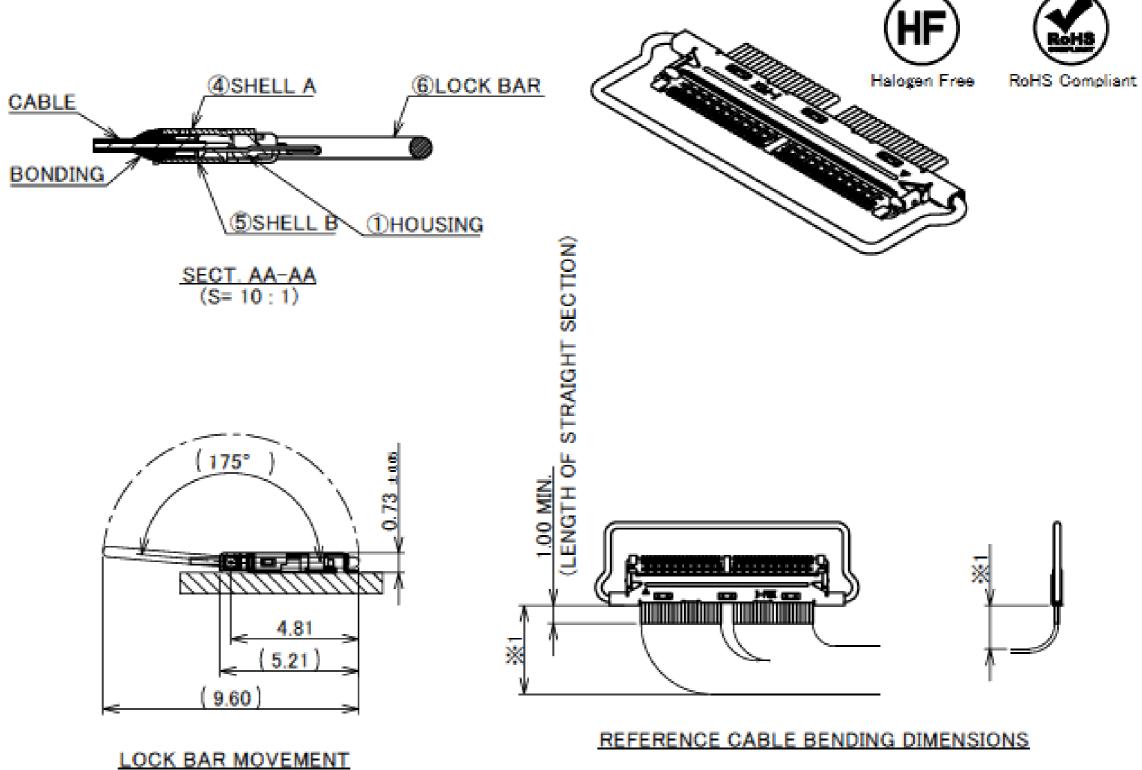
Plug for Cable Assembly

Recommended P/N		20978-040T-01
PART NO.	Pos.	
20978-040T-01	40	





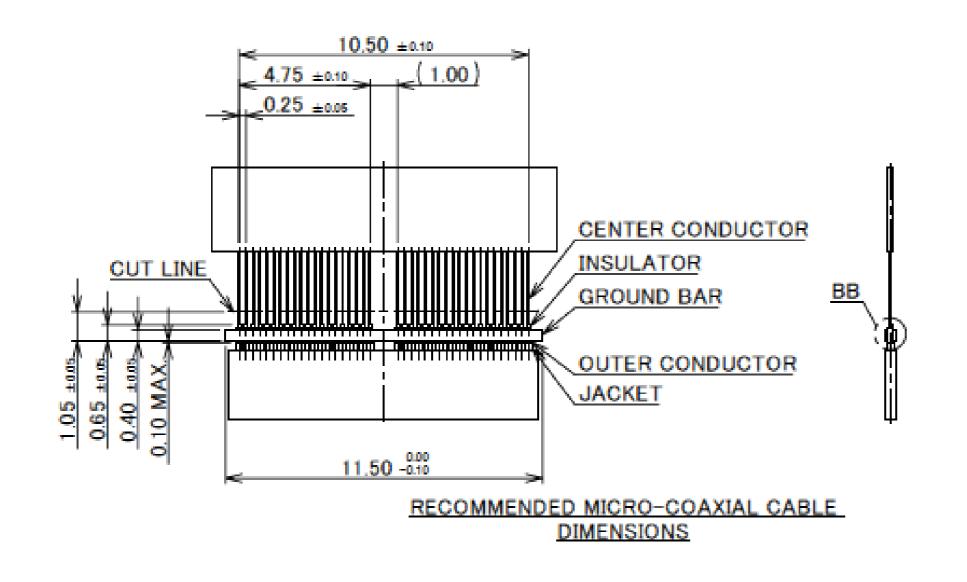


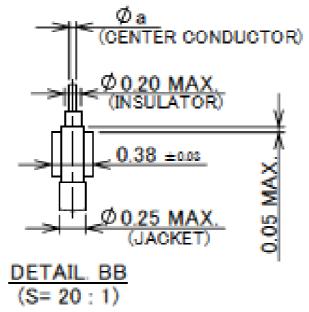


%1: THE BEND DIMENSIONS MAY VARY BASED ON THE SIZE AND QUANTITY OF CABLES. PLEASE CONFIRM THE MINIMUM BENDING RADIUS WITH I-PEX OR THE HARNESS MANUFACTURER.

6	LOCK BAR	SUS	_
5	SHELL B	SUS	PARTIAL Au 0.003 μ m MIN. OVER Ni 1.00 μ m MIN.
4	SHELL A	SUS	PARTIAL Au 0.003 μ m MIN. OVER Ni 1.00 μ m MIN.
3	CONTACT B	CORSON ALLOY	CONTACT AREA: Au 0.25 μ m MIN. OVER Ni 2.00 μ m MIN. SOLDERING AREA: Au 0.03 μ m MIN. OVER Ni 1.00 μ m MIN.
2	CONTACT A	CORSON ALLOY	CONTACT AREA: Au 0.25 μ m MIN. OVER Ni 2.00 μ m MIN. SOLDERING AREA: Au 0.03 μ m MIN. OVER Ni 1.00 μ m MIN.
1	HOUSING	LCP	UL94V-0, BLACK
NO.	DISCRIPTION	MATERIAL	FINISH, REMARKS

Rev.4





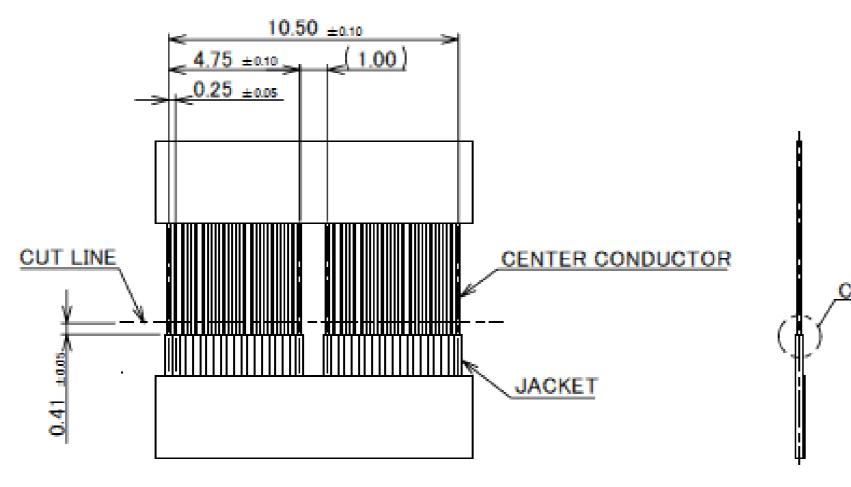
CHARACTERISTIC IMPEDANCE MATCHING MICRO-COAXIAL CABLE

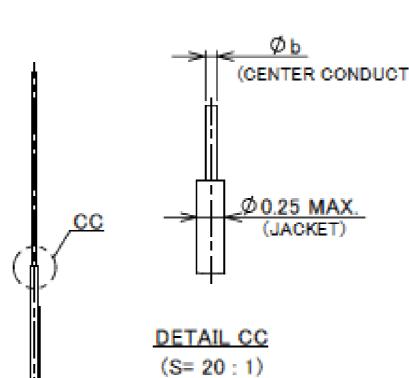
_	а
#44	0.063
#46	0.048

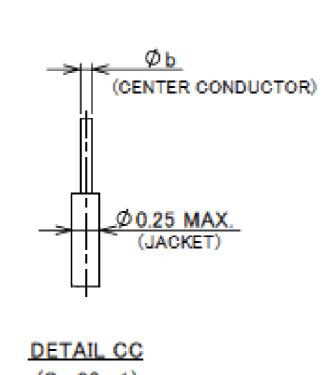
CHARACTERISTIC IMPEDANCE UN-MATCHING MICRO-COAXIAL CABLE

	a
#39	0.102

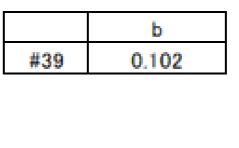
MICRO-COAXIAL CABLE #39 : NOT RECOMMENDED FOR HIGH SPEED SIGNAL TRANSFER







DISCRETE WIRE DIMENSION



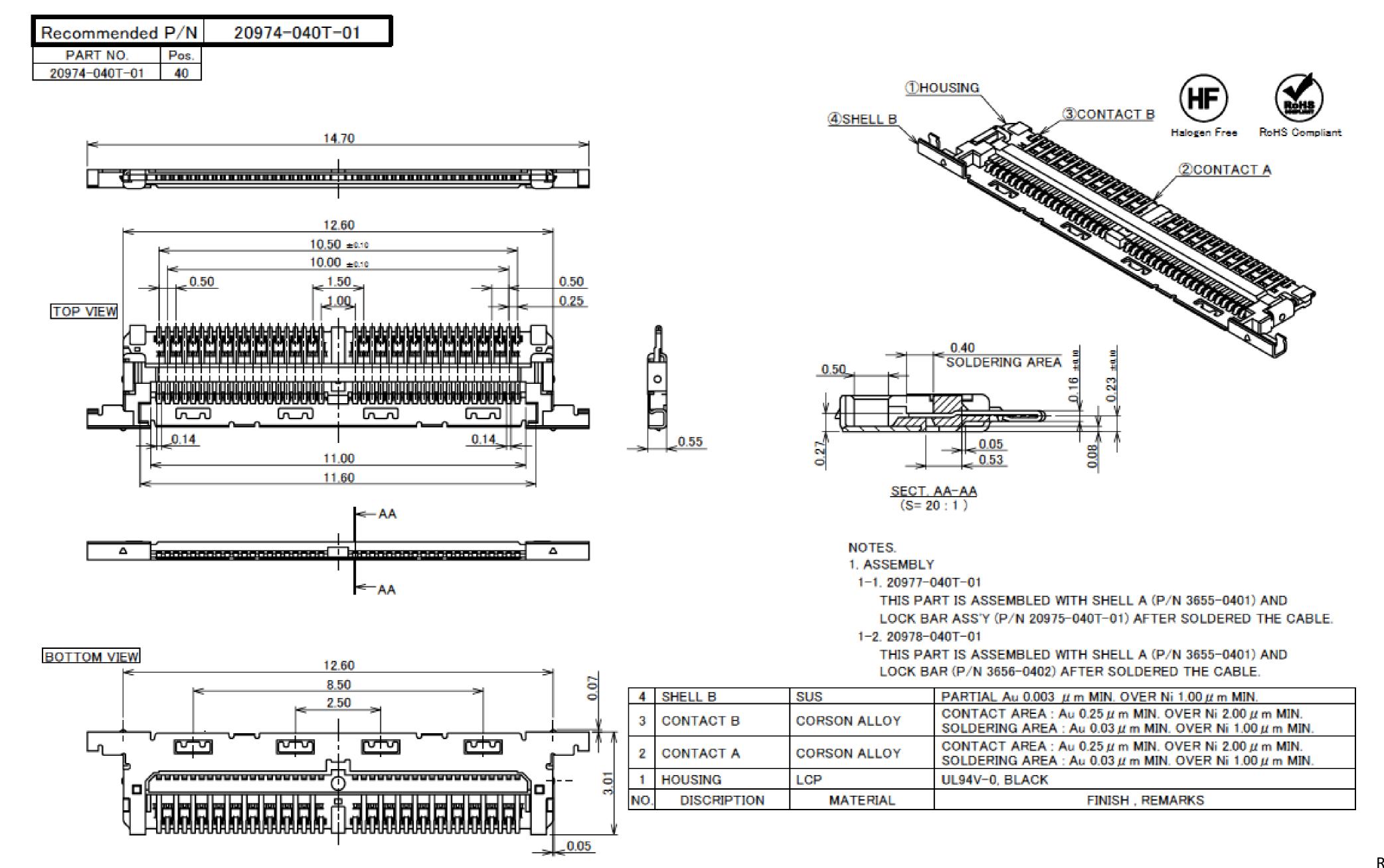
RECOMMENDED DISCRETE WIRE DIMENSIONS

Plug for Cable Assembly

ITEMS	SPECIFICATION
ADDITIONAL E CARLE	MICRO-COAXAL CABLE: AWG# 46,44,39
APPLICABLE CABLE	DISCRETE WIRE : AWG# 39
	100V AC (PER CONTACT PIN) **THIS IS THE RATED VOLTAGE OF THE CONNECTOR.
RATING VOLTAGE	PLEASE NOTE THAT THE RATED VOLTAGE MAY VARY IN THE HARNESS
	DEPENDING ON THE CABLES USED.
	0.10A AC/DC [AWG#46] PER CONTACT PIN/UP TO 40 CONTACTS 0.15A AC/DC [AWG#44] PER CONTACT PIN/UP TO 40 CONTACTS
RATING AMPERAGE (FOR CONTACT)	0.50A AC/DC [AWG#39] PER CONTACT PIN/UP TO 7 CONTACTS
	TEMPERTURE RISE MAY AFFECTED BY ACTUAL SITUATION
OPERATING TEMPERATURE	233~358K(-40°C~+85°C) (CONTAINING TEMPERATURE RISE BY CURRENT)
OPERATING HUMIDITY	85% MAX.(NON-CONDENSING)
	INITIAL: 388mohm MAX.(AWG#39) / AFTER TEST: ∠40mohm MAX.
CONTACT RESISTANCE	INITIAL: 1,080mohm MAX.(AWG#44) INITIAL: 1,830mohm MAX.(AWG#46)
GROUND SHELL RESISTANCE	INITIAL: 50mohm MAX. / AFTER TEST: ∠40mohm MAX.
INSULATION RESISTANCE	INITIAL: 1,000Mohm MIN. / AFTER TEST: 500Mohm MIN.
DIELECTRIC WITHSTANDING VOLTAGE	AC250V 1min
DURABILITY	20 CYCLES
MATING FORCE (INITIAL / 20 CYCLES)	40P: 30.0N MAX.
UNMATING FORCE (INITIAL / 20 CYCLES)	40P: 4.0N MIN.
CABLE RETENTION FORCE	40P: 19.60N MIN.
PRODUCT SPECIFICATION	PRS-2403
TEST REPORT	TR-17063
INSTRUCTION MANUAL	HIM-17040
ASSEMBLY MANUAL	ASM-17011
APPEARANCE CRITERIA No.	QLS-A***

Rev.4

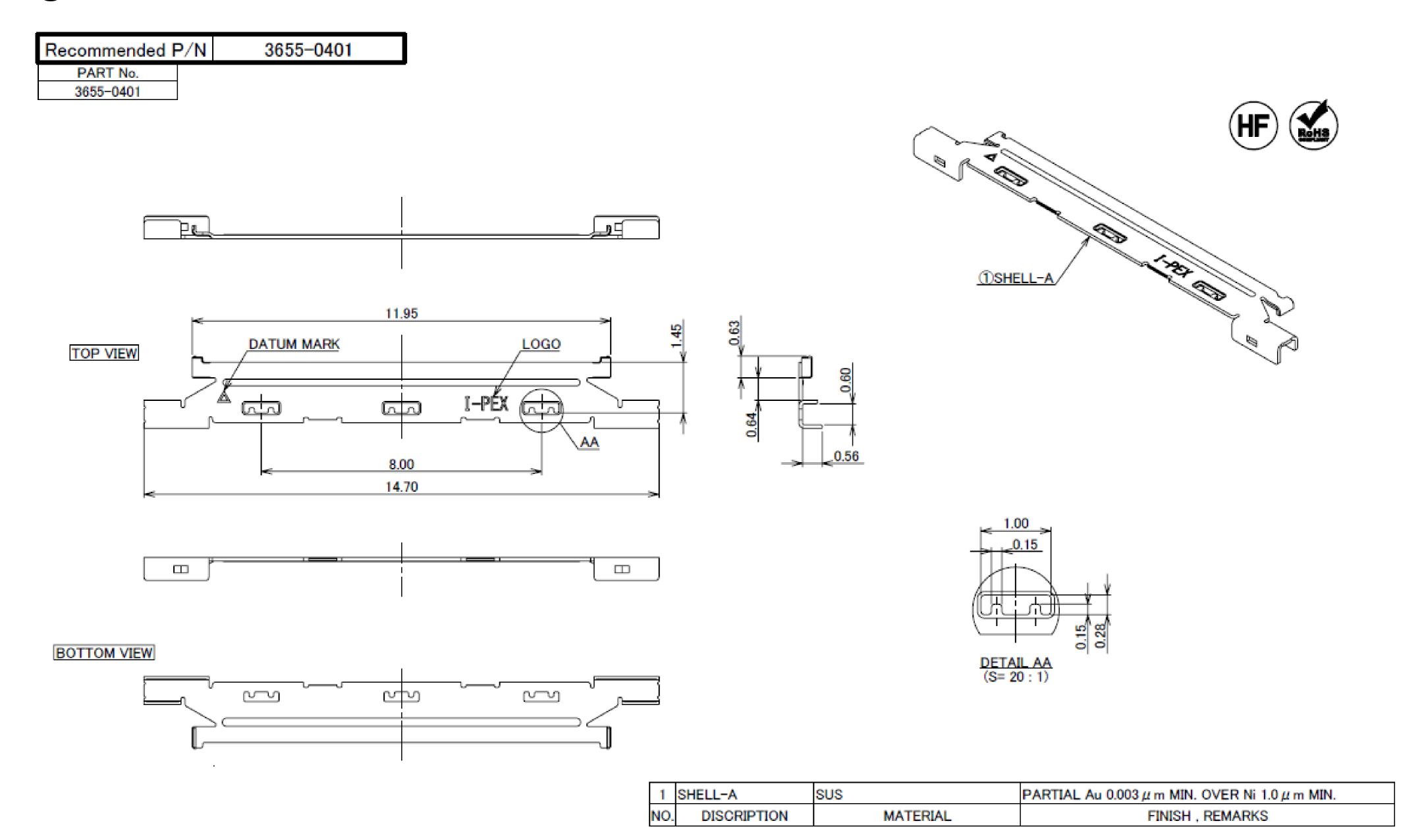
Plug Housing Assembly



Rev.1



Plug Shell-A



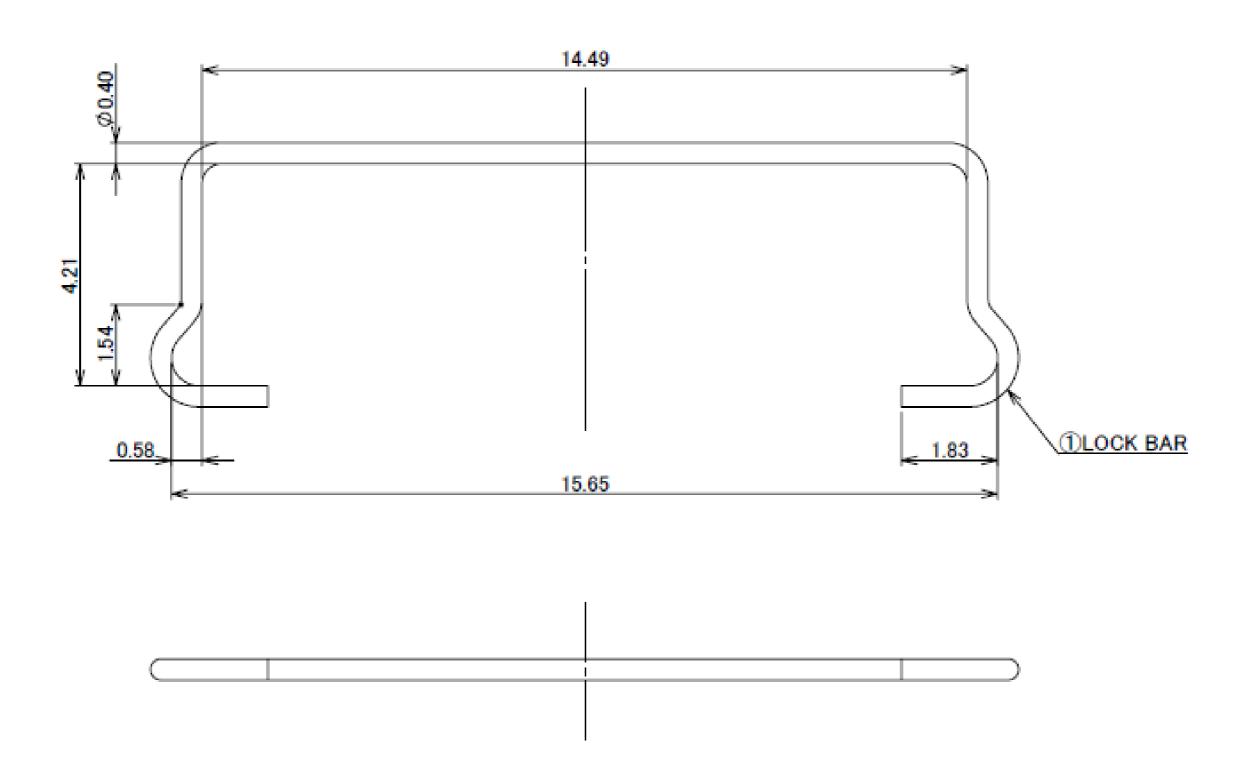
Rev.0

Plug Lock Bar

Recommended P/N	3656-0402
PART No.	
3656-0402	



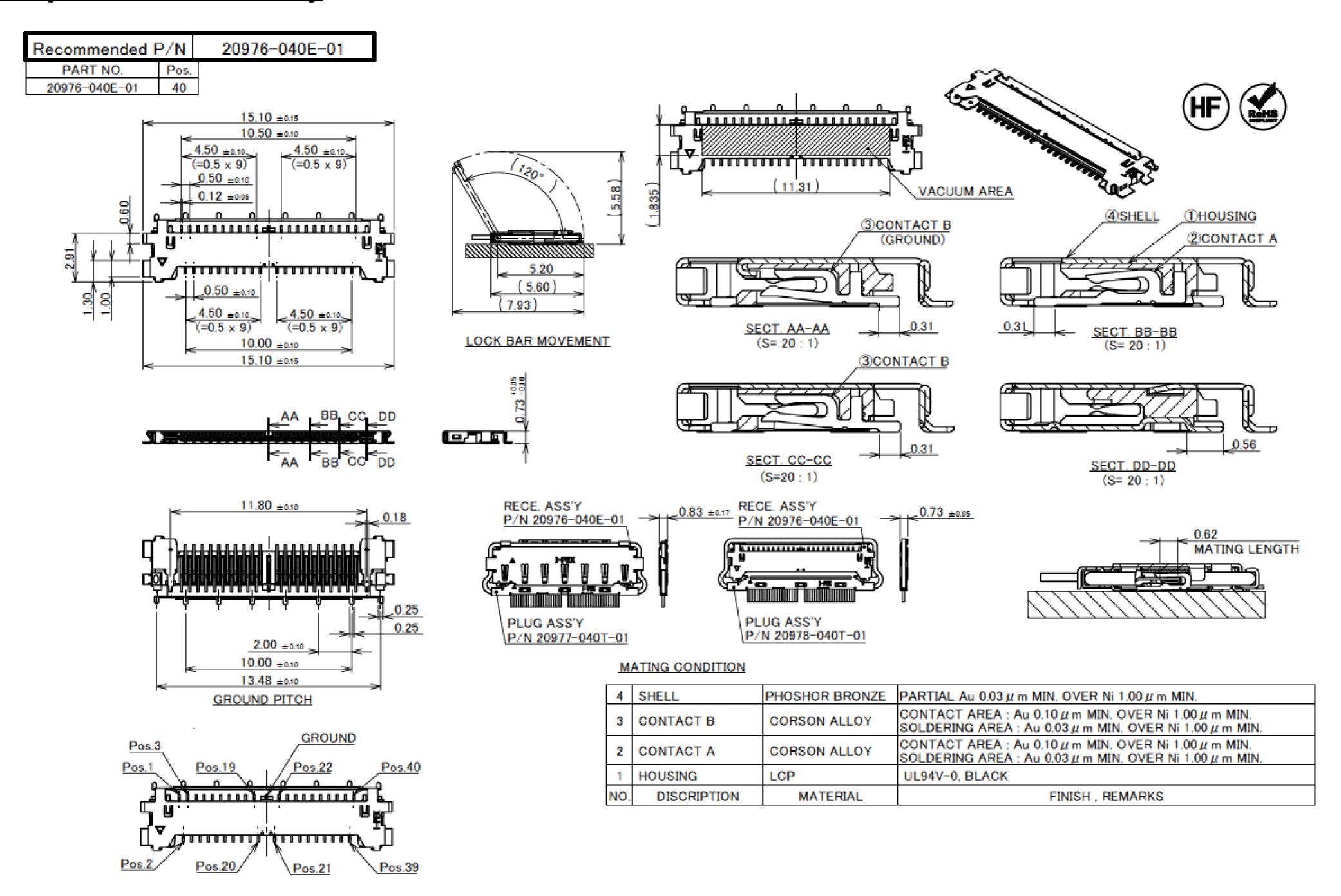


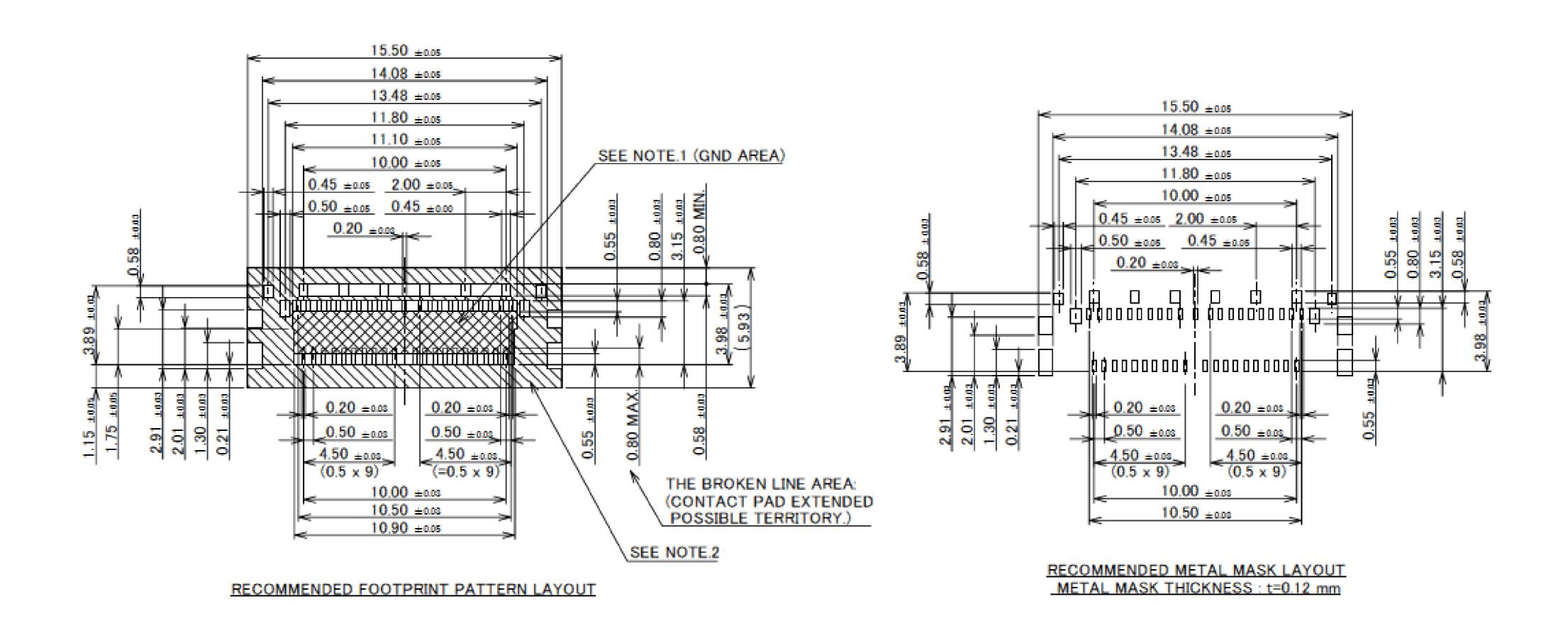


1	LOCK BAR	SUS ϕ 0.40	-
NO.	DISCRIPTION	MATERIAL	FINISH, REMARKS



Receptacle Assembly





NOTES.

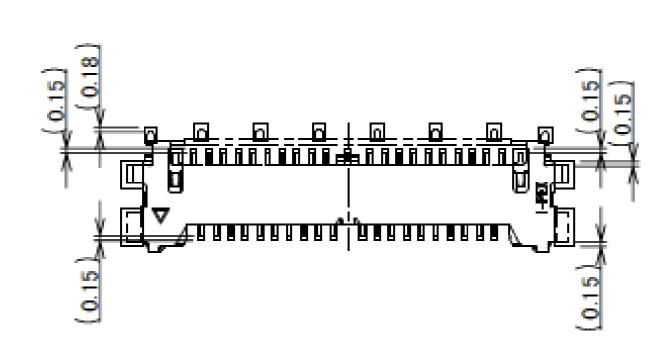
1. SOLDER RESIST MUST BE APPLIED TO THIS AREA 2. DO NOT MOUNT ANOTHER COMPONENTS IN THIS AREA.

CONTACT ARRANGEMENT

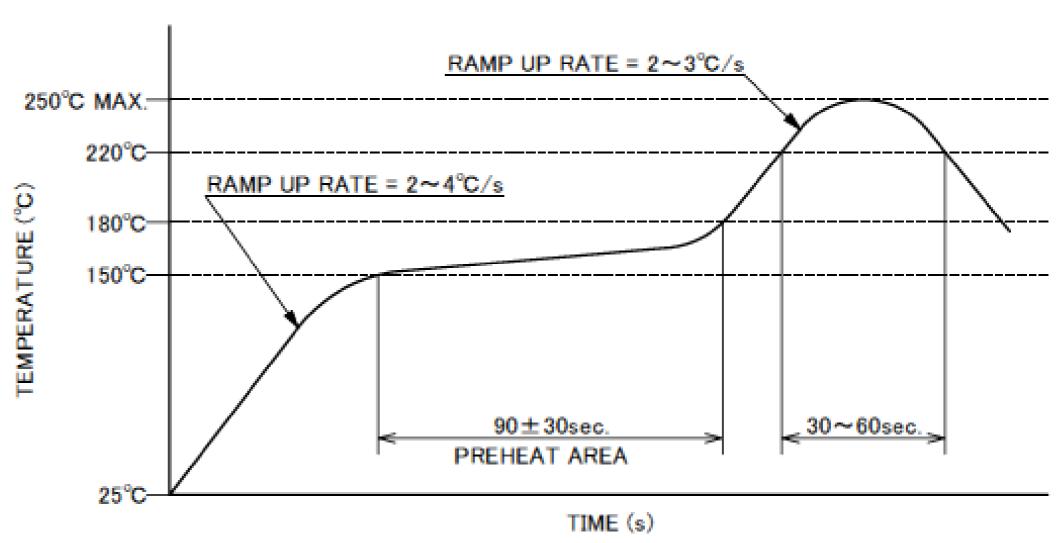


Rev.3

Receptacle Assembly



CONNECTOR ON RECOMMENDED FOOTPRINT PATTERN



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

Rev.3

ITEMS	SPECIFICATION
APPLICABLE CABLE	MICRO-COAXIAL CABLE: AWG# 46,44
	DISCRETE WIRE : AWG# 39
RATING VOLTAGE	100V AC (PER CONTACT PIN)
RATING AMPERAGE (FOR CONTACT)	0.10A AC/DC [AWG#46] PER CONTACT PIN/UP TO 40 CONTACTS 0.15A AC/DC [AWG#44] PER CONTACT PIN/UP TO 40 CONTACTS 0.50A AC/DC [AWG#39] PLUG WITH COVER CABLE ASS'Y (P/N: 20977-040T-01) PER CONTACT PIN/UP TO 8 CONTACTS PLUG WITHOUT COVER CABLE ASS'Y (P/N: 20978-040T-01) PER CONTACT PIN/UP TO 7 CONTACTS ***TESTING BY A REAL MACHINE IS RECOMMENDED BECAUSE TEMPERTURE RISE MAY AFFECTED BY ACTUAL SITUATION
OPERATING TEMPERATURE	233~358K(-40°C~+85°C) (CONTAINING TEMPERATURE RISE BY CURRENT)
OPERATING HUMIDITY	85% MAX.(NON-CONDENSING)
CONTACT RESISTANCE	INITIAL: 388mohm MAX.(AWG#39) / AFTER TEST: ∠40mohm MAX. INITIAL: 1,080mohm MAX.(AWG#44) INITIAL: 1,830mohm MAX.(AWG#46)
GROUND SHELL RESISTANCE	INITIAL: 50mohm MAX. / AFTER TEST: ∠40mohm MAX.
INSULATION RESISTANCE	INITIAL: 1,000Mohm MIN. / AFTER TEST: 500Mohm MIN.
DIELECTRIC WITHSTANDING VOLTAGE	AC250V 1min
DURABILITY	20 CYCLES
MATING FORCE (INITIAL / 20 CYCLES)	40P: 30.0N MAX.
UNMATING FORCE (INITIAL / 20 CYCLES)	40P: 4.0N MIN.
CABLE RETENTION FORCE	40P: 19.60N MIN.
COPLANARITY	0.10 MAX.
PRODUCT SPECIFICATION	PRS-2403
TEST REPORT	TR-17063
PACKING STANDARD	PST-17126
INSTRUCTION MANUAL	HIM-17035 (WHEN PLUG WITH COVER CABLE ASS'Y IS USED) HIM-17040 (WHEN PLUG WITHOUT COVER CABLE ASS'Y IS USED)
APPEARANCE CRITERIA No.	QLS-A***



Custom
Connectors
Available

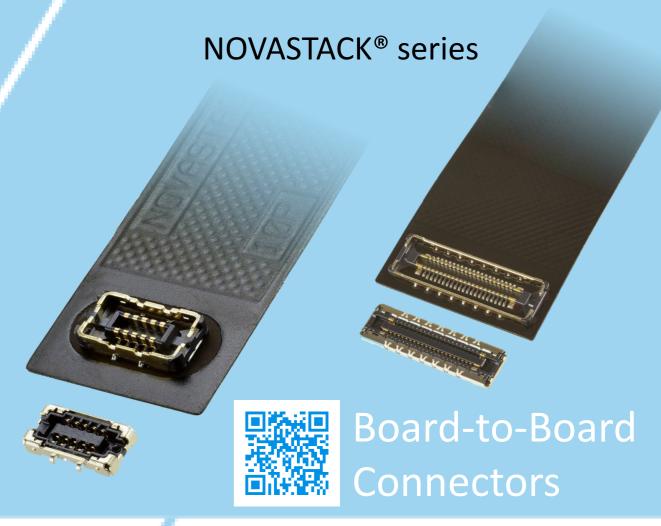




AP series

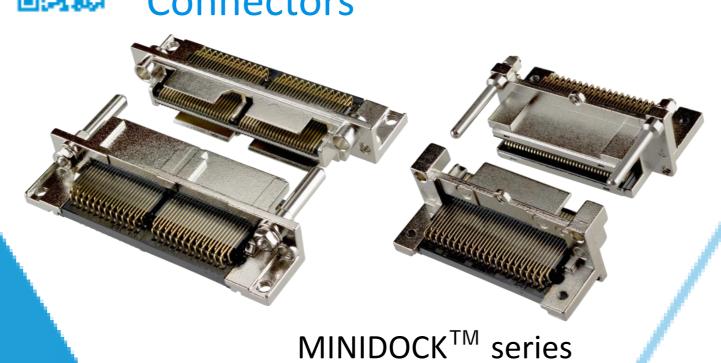






MINIFLEX® series















EVAFLEX® series

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