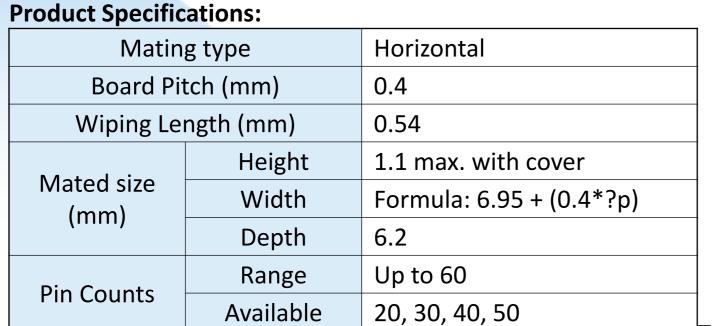
CABLINE®-CA II

Full Shield Mechanical Lock 포함, 고속 데이터 전송(32Gbps/레인)에 적합, 0.4mm Pitch, 수평 결합형 Micro Coaxial Connector



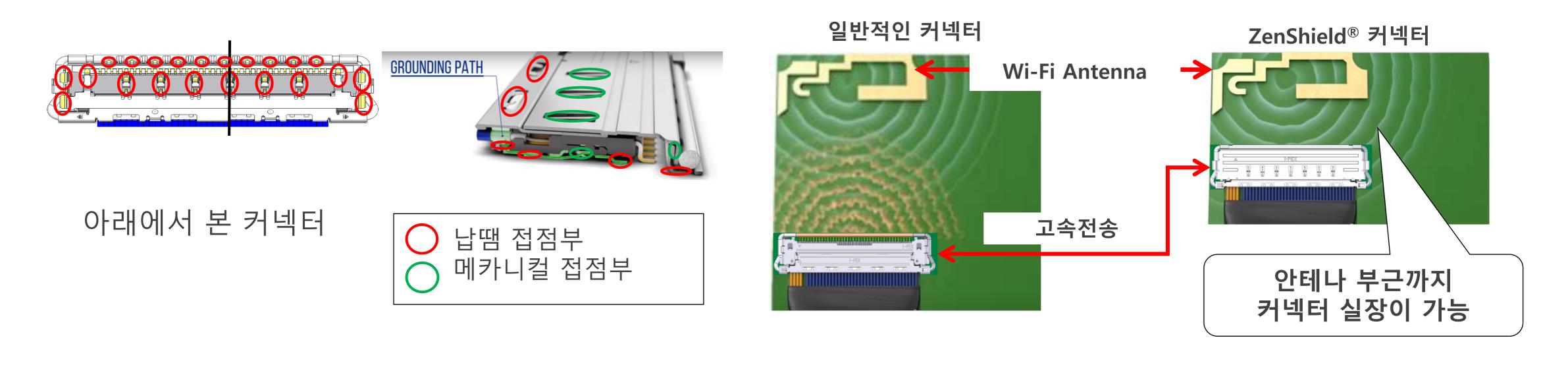
Applicable Cable Size:				
Maximum O.D. (mm)	0.4			
Micro-Coaxial	45 ohm: #38 or smaller			
for Signal (AWG)	50 ohm: #40 or smaller			
Twinax (AWG)	#40, #42			
Discrete (AWG)	#34 or smaller			
A - P - I I - Cr - I - I - (D - C O - I -)				

Applicable Standards (Reference Only):

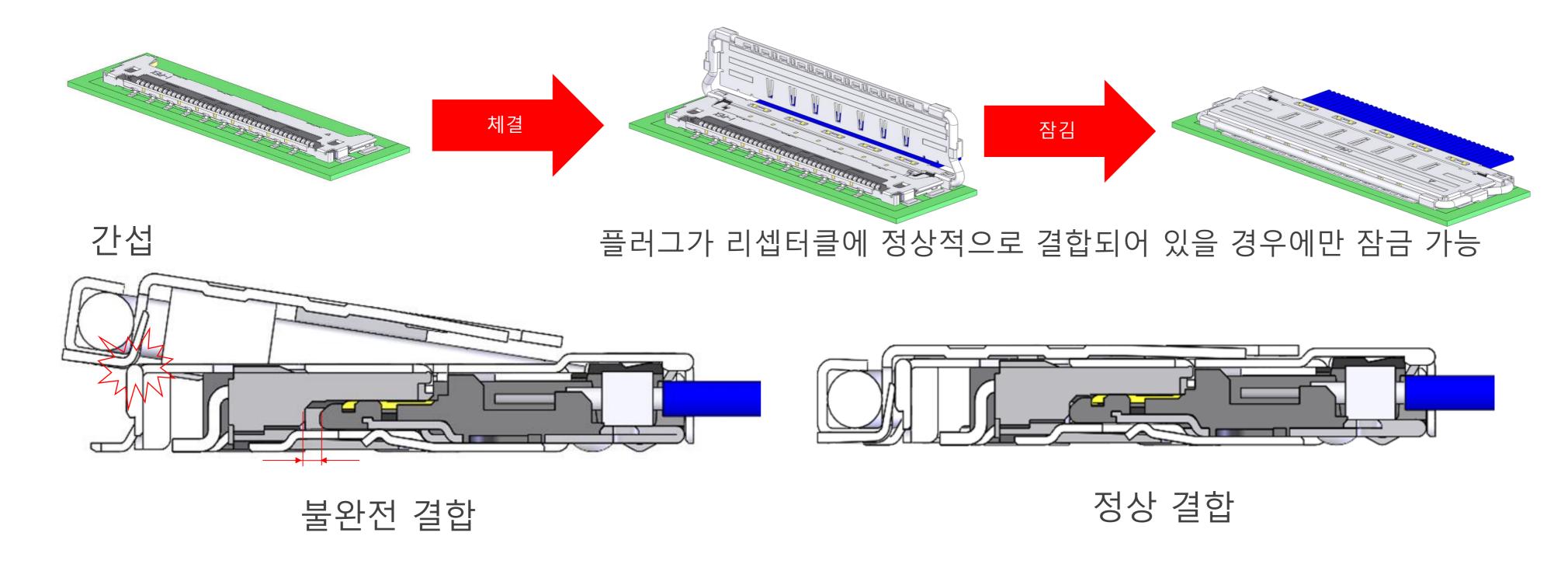
32 Gbps/ Lane, USB4 Gen4 (40 Gbps/ Lane PAM3)
Display Port UHBR20 (20 Gbps/Lane),

^{*}기재가 되어있지 않는 된 구의 내등 여구에 내애지는 문의에 구락 드립니다.
* CABLINE-CA II PLUS(wider space 타입)에서는 60p의 핀 수도 준비되어 있습니다.





Mechanical Lock Bar Cover는 불완전한 결합 방지 및 PLUG 빠짐을 방지합니다.



> 32Gbps/Lane Application에 이상적인 고속 데이터 전송

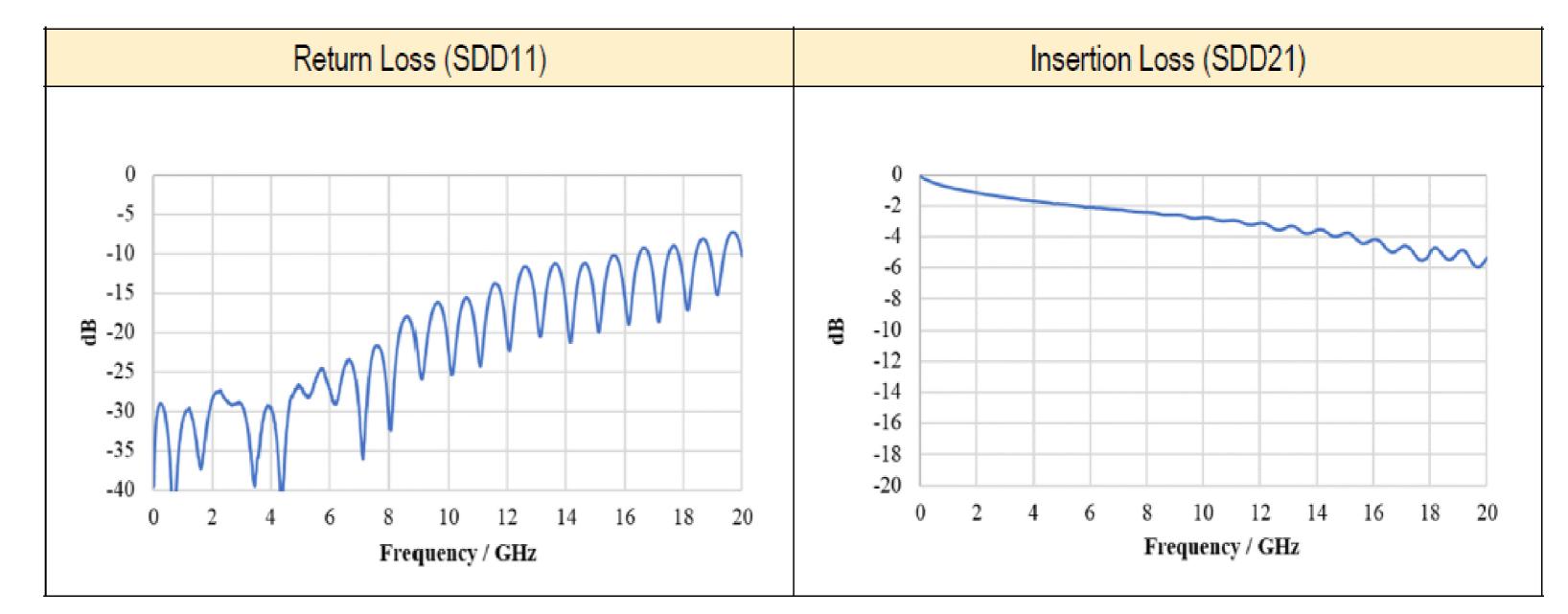
Measurement results

Connector: CABLINE-CA II 40P

Cable: Micro-coaxial cable

AWG #40, 45ohm, Length: 100 mm

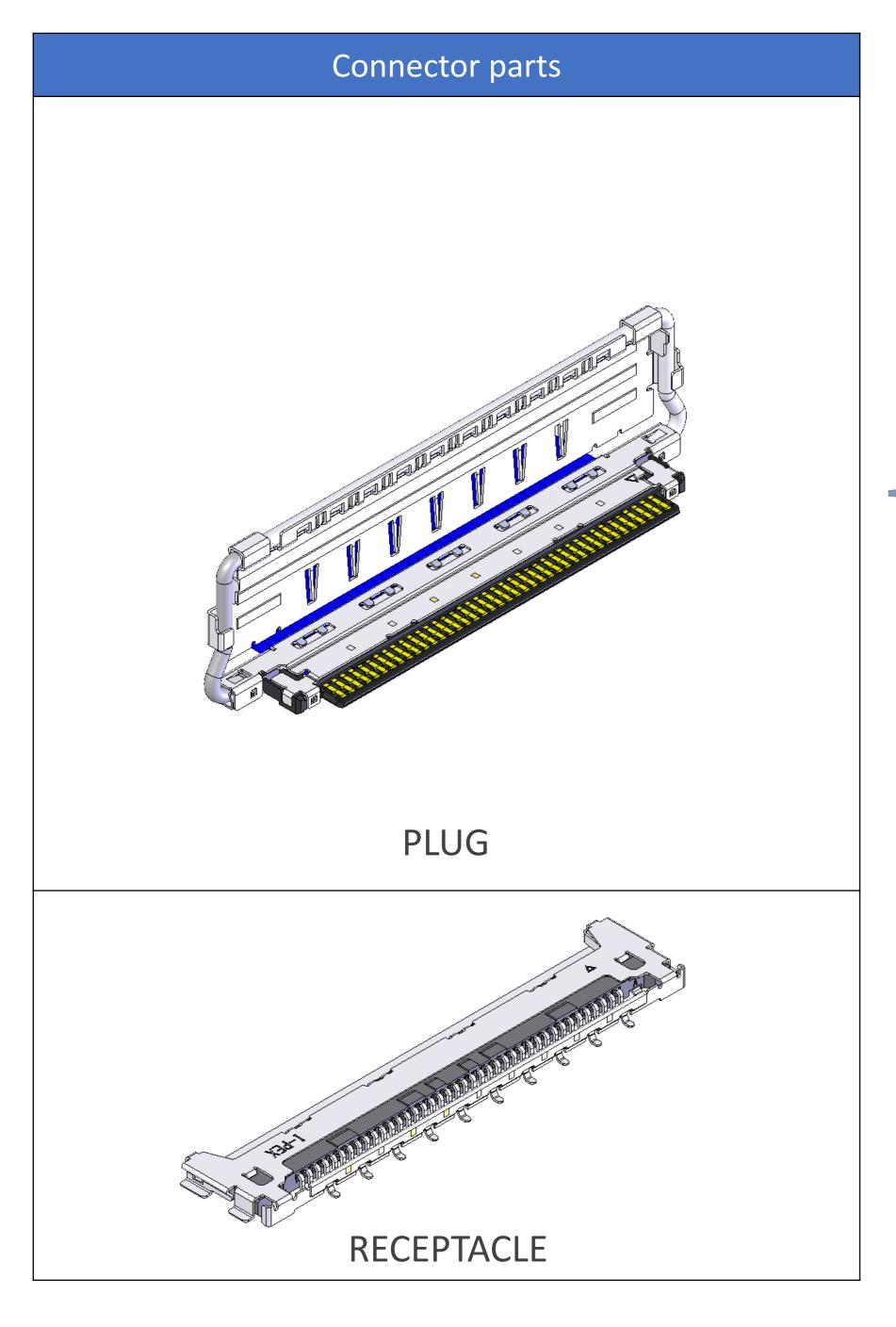
Pin Assignment: GSSGSSG

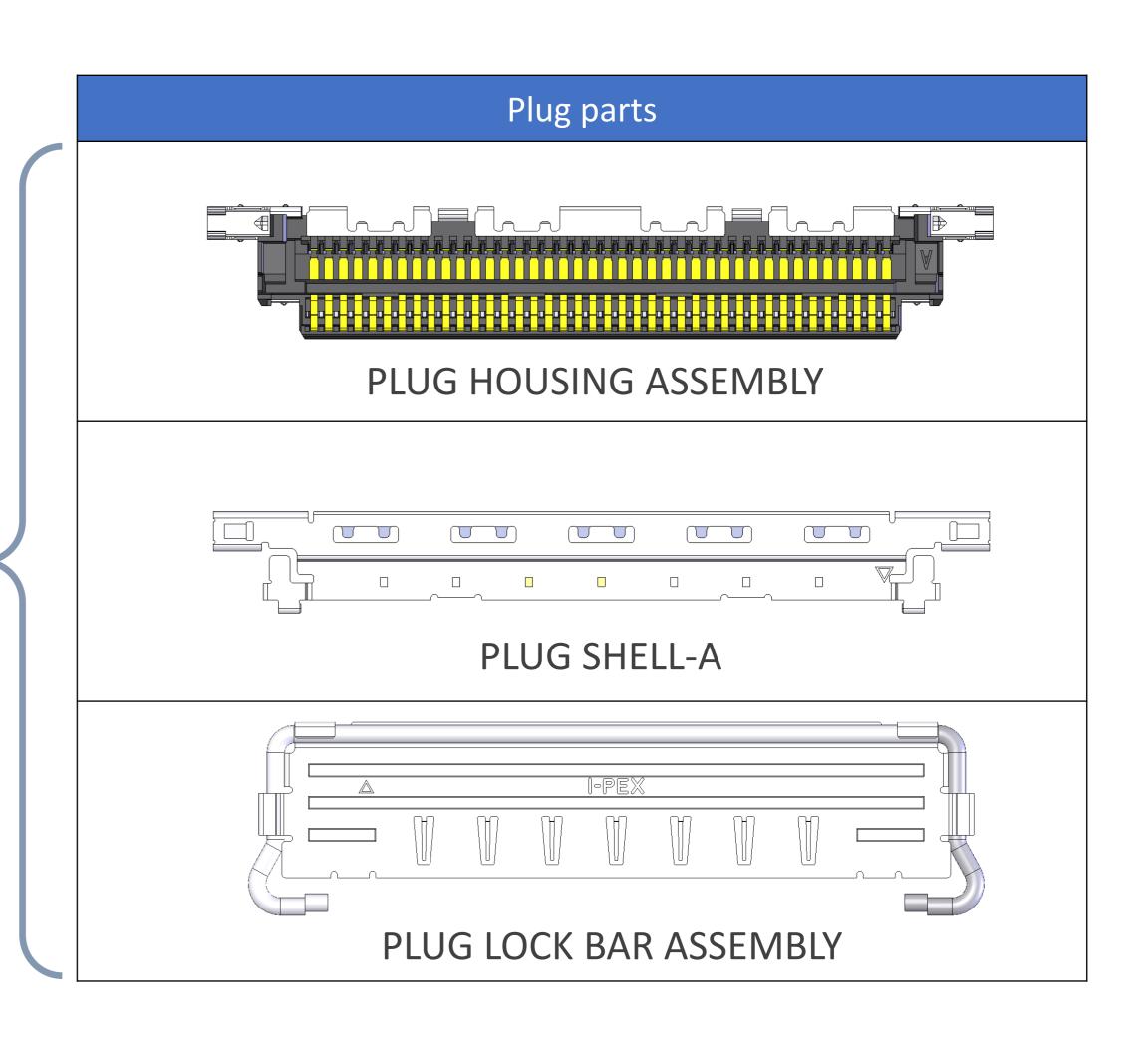




Component Parts Details

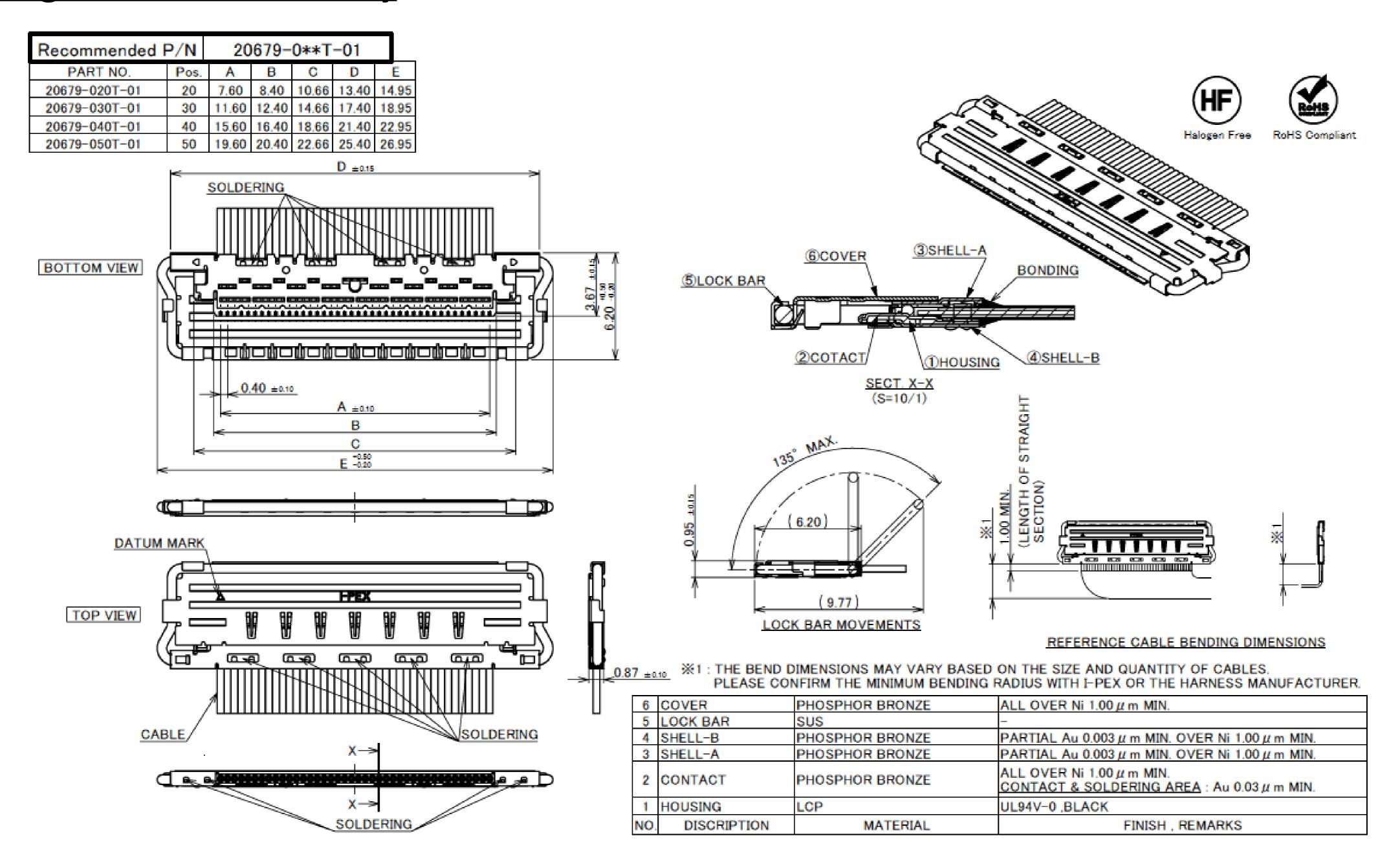
Component Parts



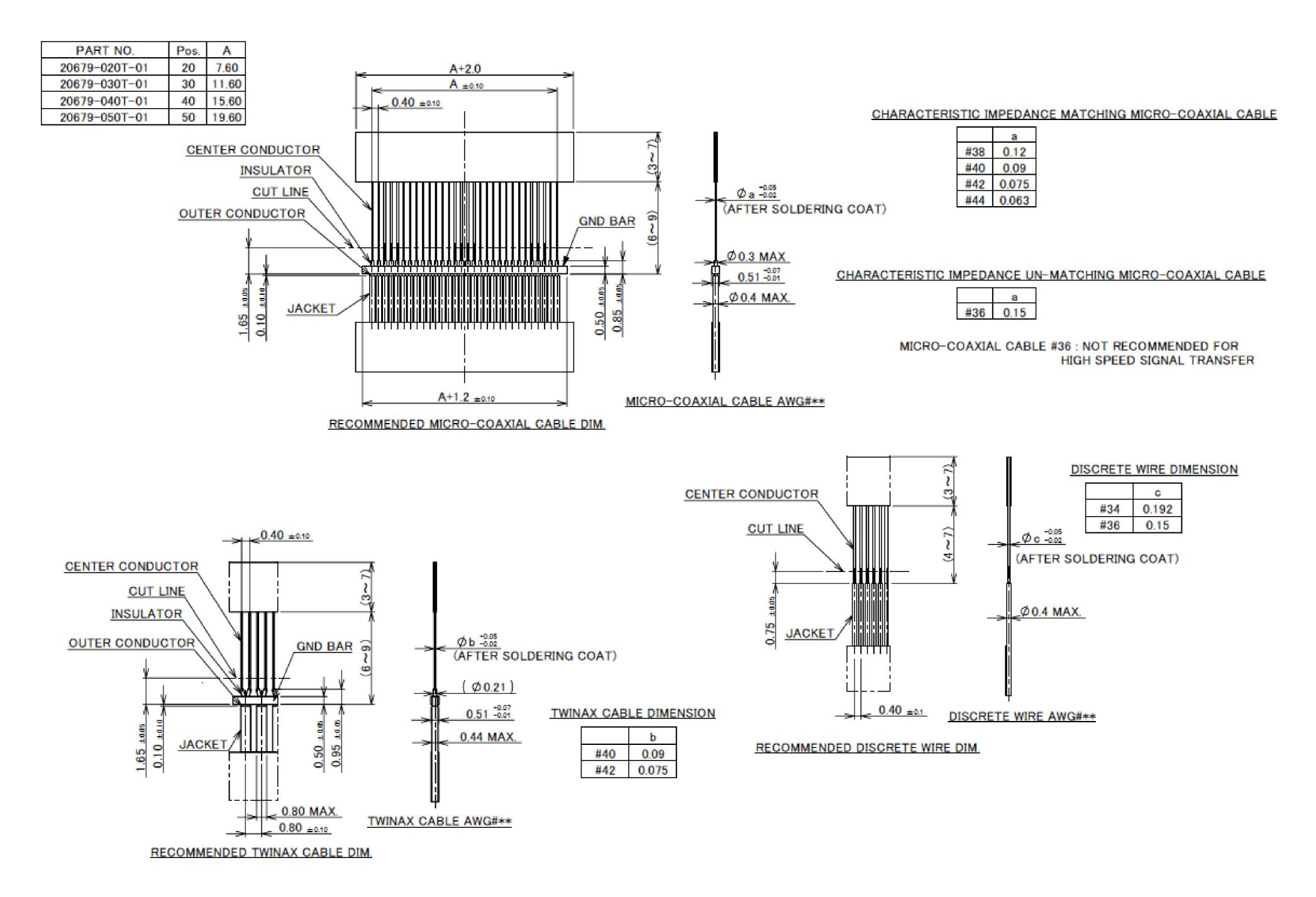




Plug for Cable Assembly



Rev.13

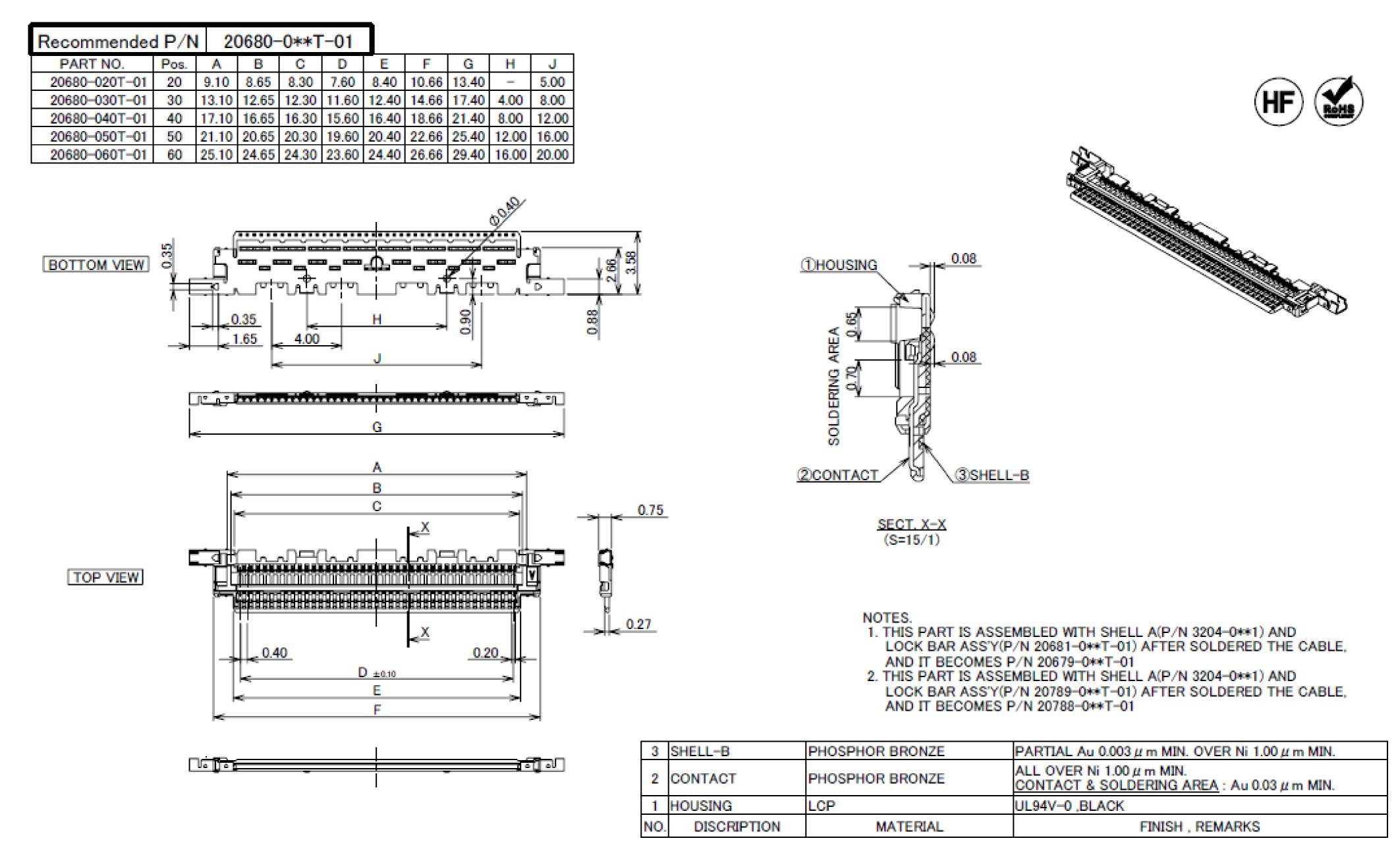


Plug for Cable Assembly

ITEMS	SPECIFICATION
	MICRO-COAXIAL CABLE: AWG# 44, 42, 40, 38, 36
APPLICABLE CABLE	DISCRETE WIRE: AWG# 36, 34
	TWINAX CABLE: AWG# 40, 42
RATING VOLTAGE	100V AC (PER CONTACT PIN)
	**THIS IS THE RATED VOLTAGE OF THE CONNECTOR.
	PLEASE NOTE THAT THE RATED VOLTAGE MAY VARY IN THE HARNESS DEPENDING ON THE CABLES USED.
	0.1A AC/DC [AWG#44] PER CONTACT PIN/UP TO 50 CONTACTS
	0.24A AC/DC [AWG#42] PER CONTACT PIN/UP TO 50 CONTACTS
	0.3A AC/DC [AWG#40] PER CONTACT PIN/UP TO 50 CONTACTS
RATING AMPERAGE (FOR CONTACT)	0.5A AC/DC [AWG#38] PER CONTACT PIN/UP TO 18 CONTACTS
	0.8A AC/DC [AWG#36] PER CONTACT PIN/UP TO 6 CONTACTS 1.0A AC/DC [AWG#34] PER CONTACT PIN/UP TO 6 CONTACTS
	**TESTING BY A REAL MACHINE IS RECOMMENDED BECAUSE TEMPERATURE RISE
	MAY AFFECTED BY ACTUAL SITUATION
OPERATING TEMPERATURE	248~378K(-40°C~105°C)
OPERATING HUMIDITY	85% MAX.(NON-CONDENDING)
	INITIAL: 180mohm MAX.(AWG#34) / AFTER TEST: ∠140mohm MAX.
	275mohm MAX.(AWG#36)
CONTACT RESISTANCE	360mohm MAX.(AWG#38)
CONTACT RESISTANCE	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
	20P : 9.70N MAX.
MATING FORCE (INITIAL / AFTER 30 CYCLES)	30P: 14.55N MAX.
MATING FORCE (INTIDE / AFTER 30 0 FOLES)	40P: 19.40N MAX.
	50P : 24.25N MAX.
	20P : 2.0N MIN.
UN-MATING FORCE (INITIAL / AFTER 30 CYCLES)	30P : 3.0N MIN.
ON MATING FORCE (INTERE) AT TER 30 CTOLES)	40P: 4.0N MIN.
	50P : 5.0N MIN.
	20P: 9.80N MIN.
CABLE RETENTION FORCE	30P: 14.70N MIN.
OADLE RETENTION FORCE	40P: 19.60N MIN.
	50P : 24.50N MIN.
PRODUCT SPECIFICATION	PRS-2163
TEST REPORT	TR-15103
INSTRUCTION MANUAL	HIM-15033
ASSEMBLY MANUAL	ASM-15005
APPEARANCE CRITERIA NO.	QLS-A***

Rev.13

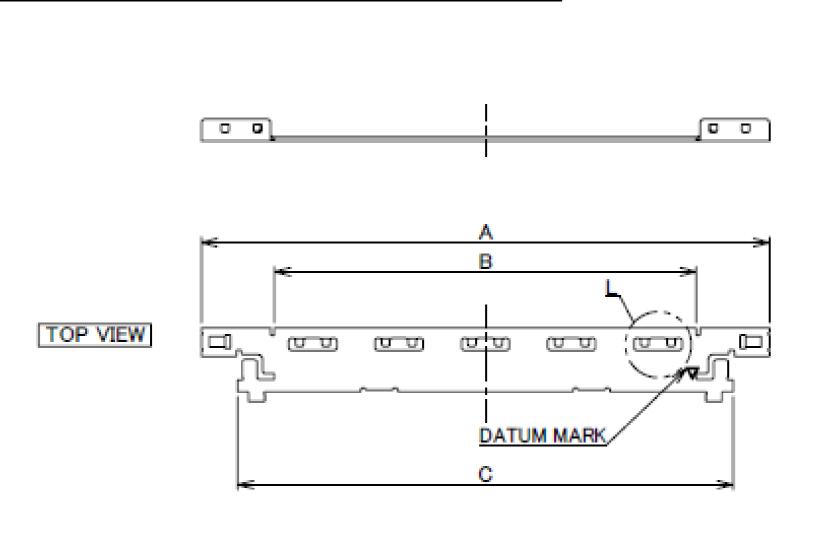
Plug Housing Assembly

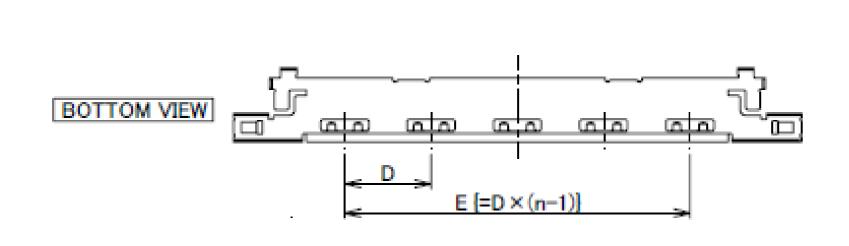


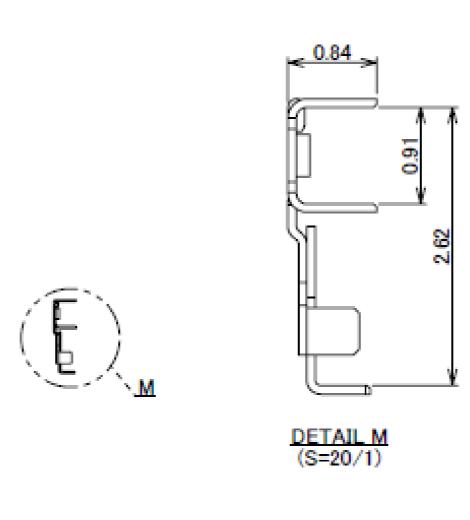


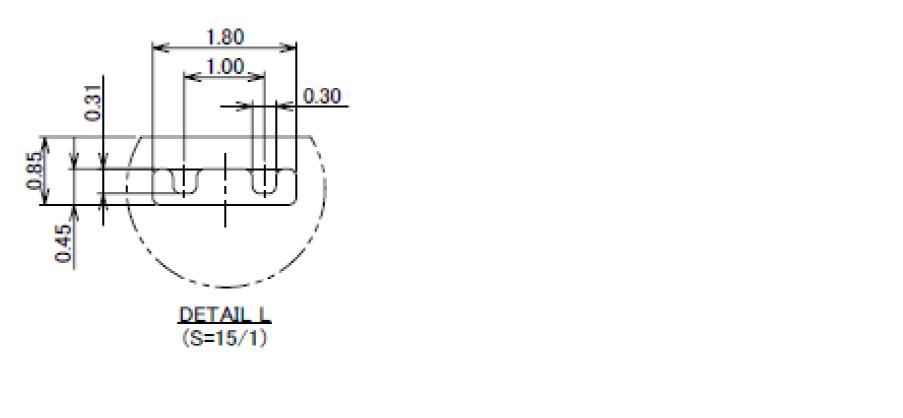
Plug Shell-A

Recommended	1	3204-0**1				
PART NO.	Pos.	Α	В	С	D	E
3204-0201	20	13.40	7.88	10.66	2.50	5.00
3204-0301	30	17.40	11.88	14.66	3.00	9.00
3204-0401	40	21.40	15.88	18.66	3.25	13.00
3204-0501	50	25.40	19.88	22.66	3.40	17.00
3204-0601	60	29.40	23.88	26.66	4.00	20.00









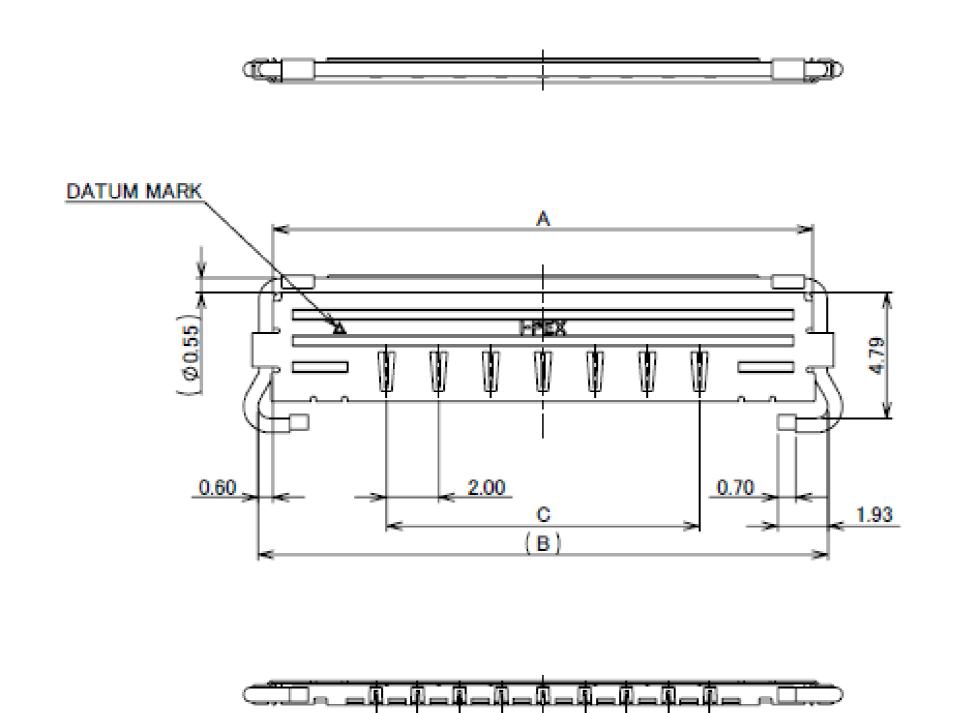
①SHELL-A

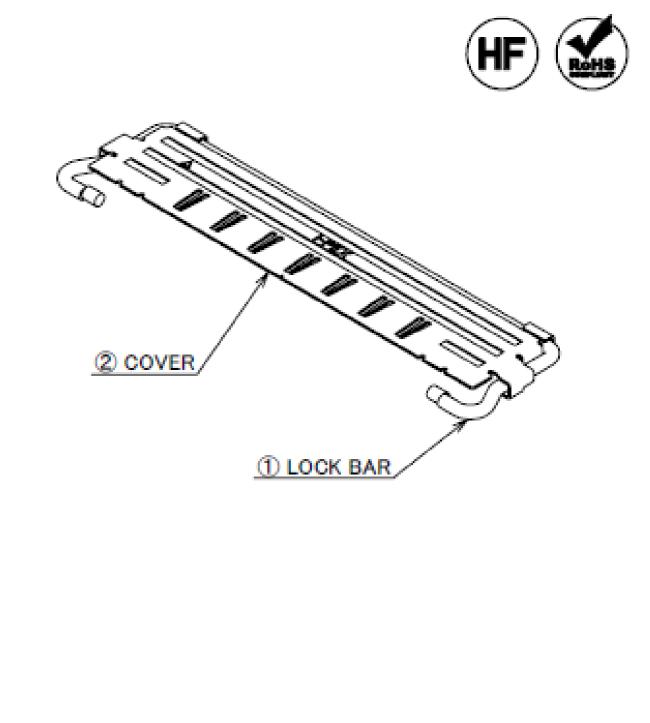
1 SHELL-A PHOSPHOR BRONZE PARTIAL Au 0.003 μ m MIN. OVER Ni 1.00 μ m MIN.
NO. DISCRIPTION MATERIAL FINISH , REMARKS

Rev.7

Lock Bar Assembly

Recommended	20681-0**T-01			Γ − 01	
PART NO.	Pos.	Α	В	С	
20681-020T-01	20	12.65	13.85	4.00	
20681-030T-01	30	16.65	17.85	8.00	
20681-040T-01	40	20.65	21.85	12.00	
20681-050T-01	50	24.65	25.85	16.00	



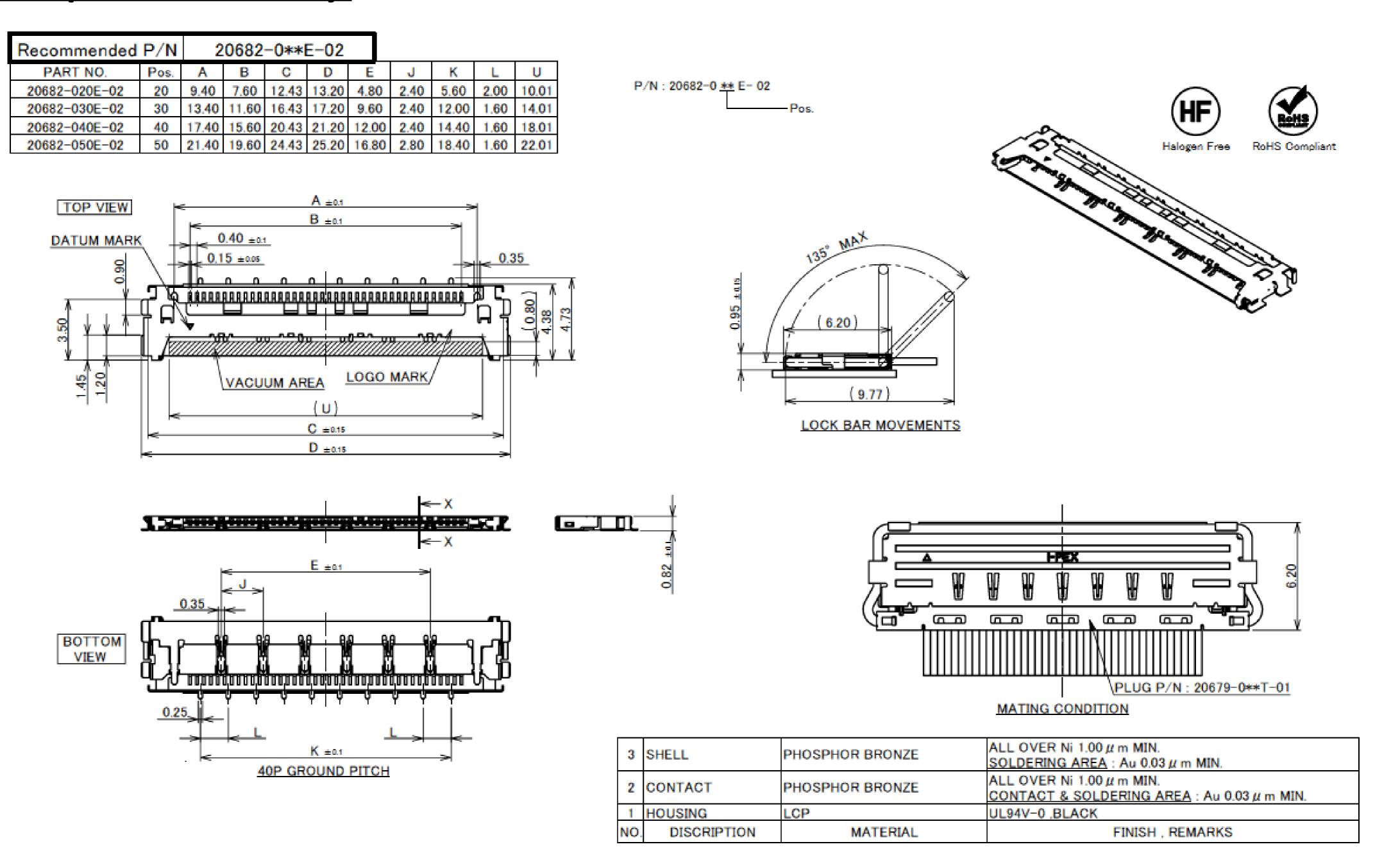


2	COVER	PHOSPHOR BRONZE	ALL OVER Ni 1.00 μ m MIN.
1	LOCK BAR	SUS Ø 0.55	
NO.	DISCRIPTION	MATERIAL	FINISH, REMARKS
			-



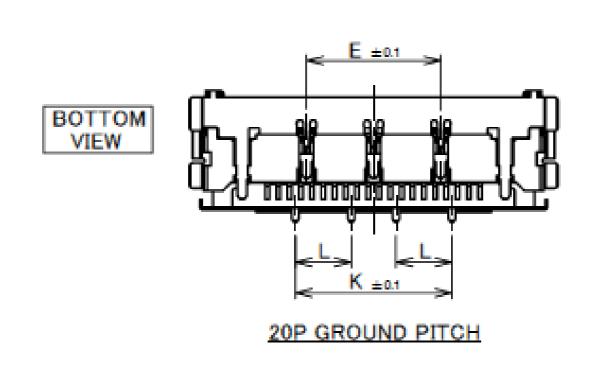
0.93

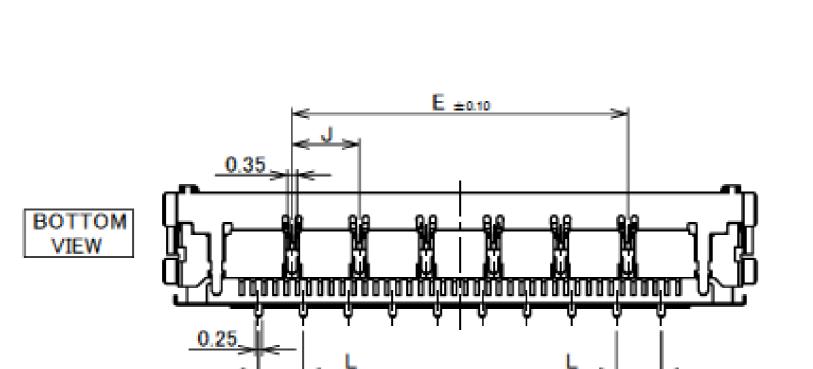
Receptacle Assembly



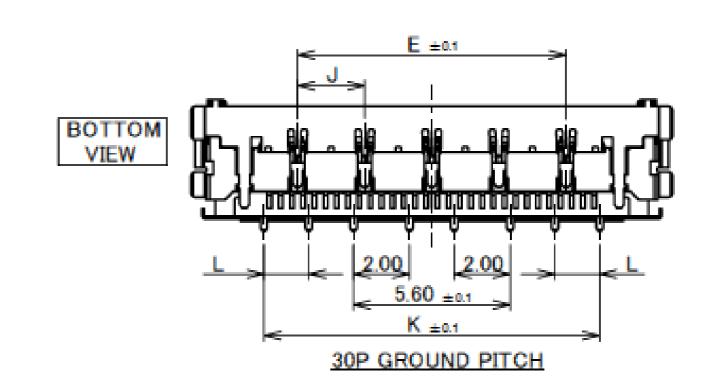
Rev.16

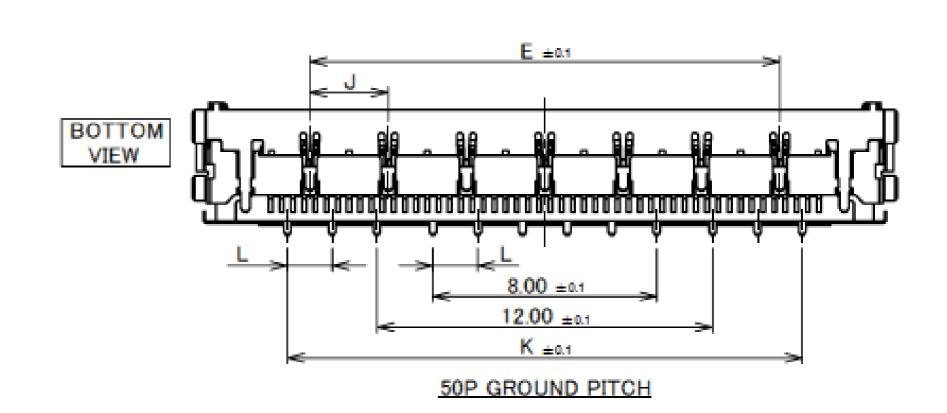
PART NO.	Pos.	E	J	K	L
20682-020E-02	20	4.80	2.40	5.60	2.00
20682-030E-02	30	9.60	2.40	12.00	1.60
20682-040E-02	40	12.00	2.40	14.40	1.60
20682-050E-02	50	16.80	2.80	18.40	1.60





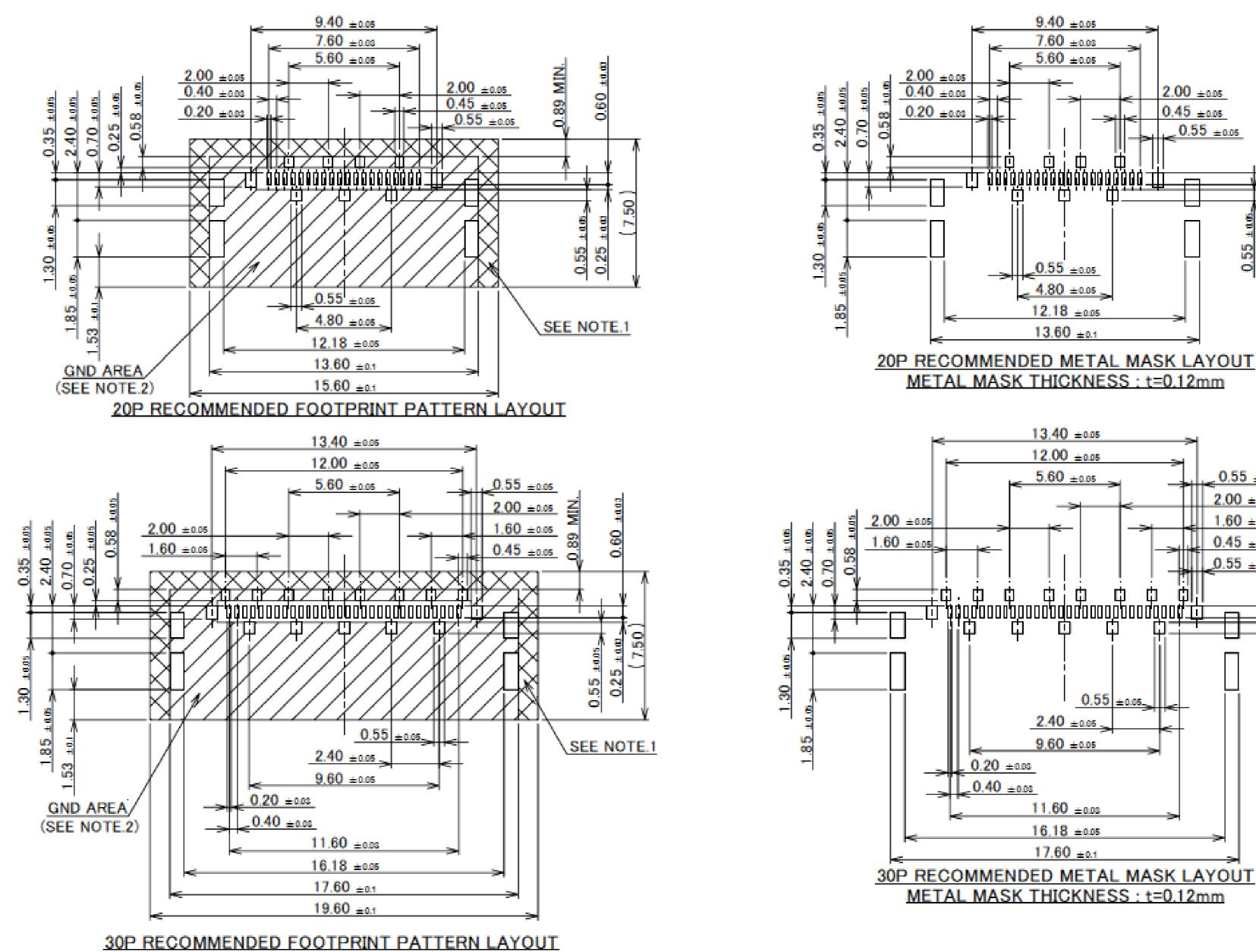
40P GROUND PITCH







Receptacle Assembly



NOTES.

1. DO NOT MOUNT ANOTHER COMPONENT IN THIS AREA.

2. SOLDER RESIST MUST BE APPLIED TO THIS AREA.

0.55 ±0.05 2.00 ±0.05 1.60 ±0.05 0.45 ±0.05 0.55 ±0.05 30P RECOMMENDED METAL MASK LAYOUT METAL MASK THICKNESS: t=0.12mm

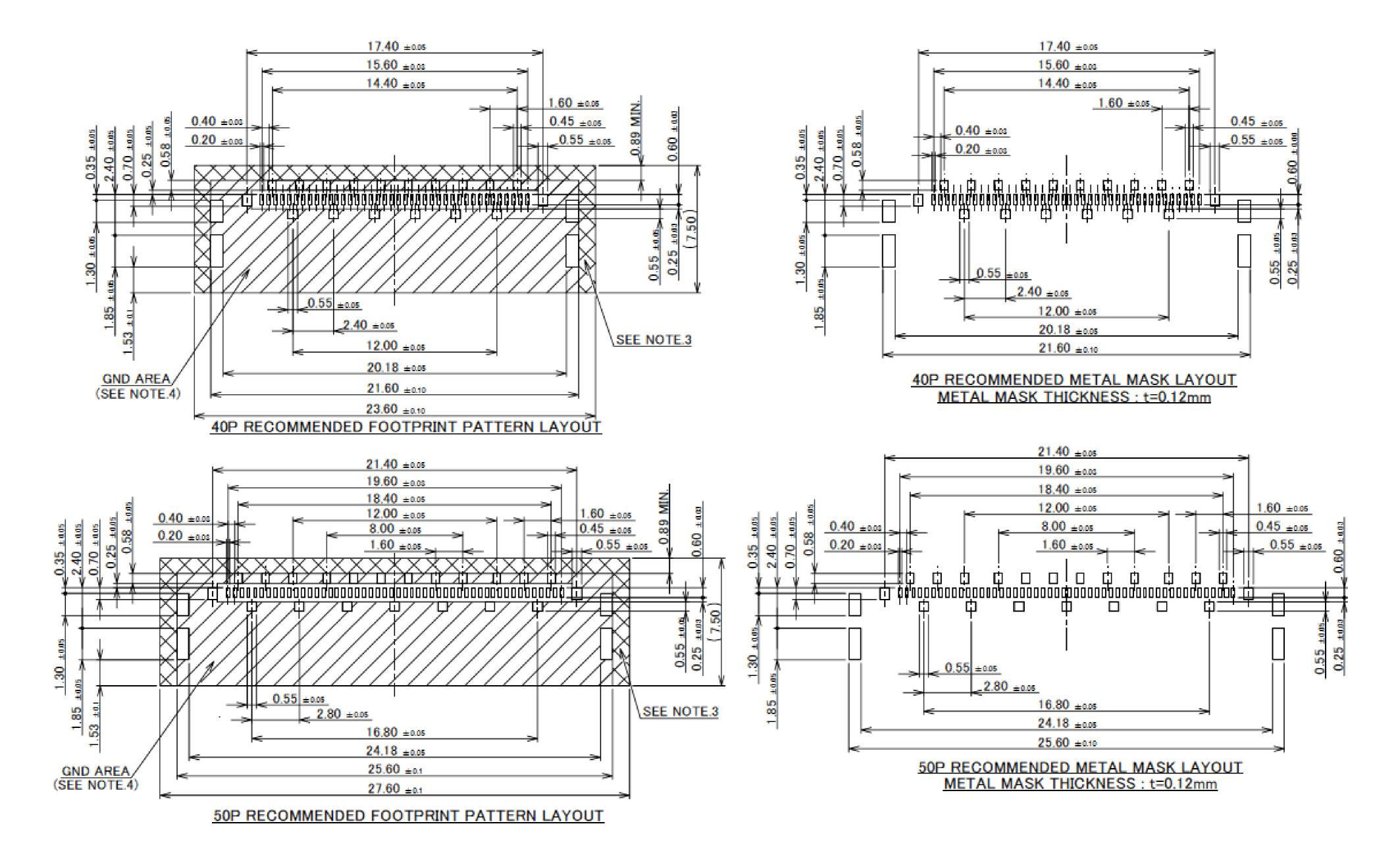
2.00 ±0.05

 0.45 ± 0.05

0.55 ±0.05

0.25

Rev.16



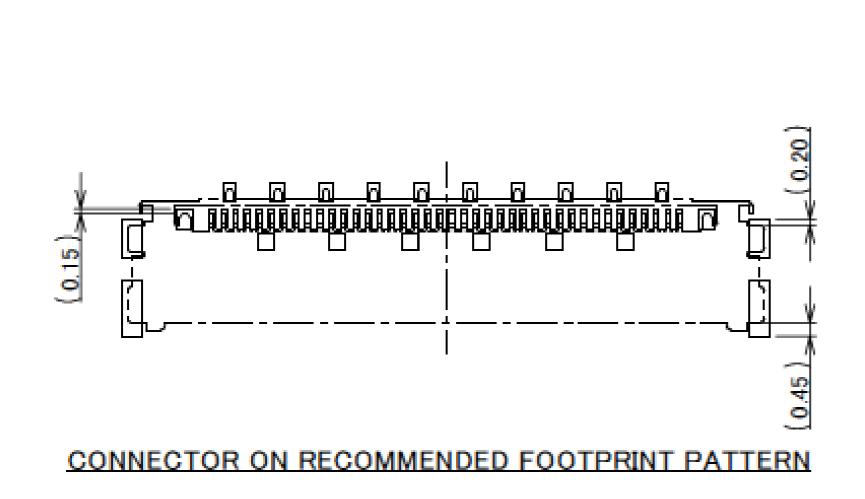
NOTES.

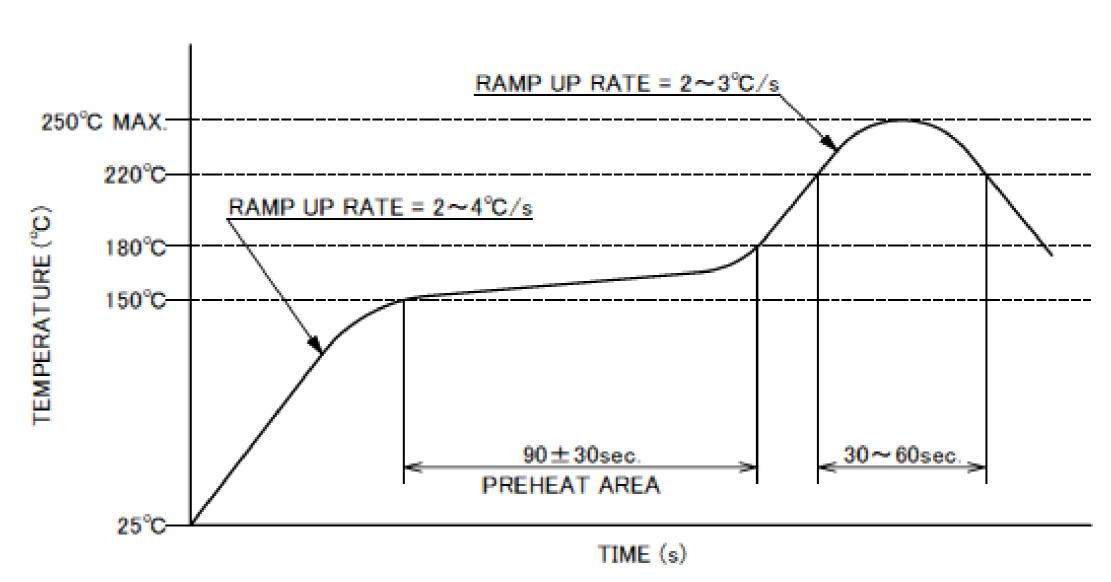
I-PEX

3. DO NOT MOUNT ANOTHER COMPONENT IN THIS AREA. 4. SOLDER RESIST MUST BE APPLIED TO THIS AREA.



Receptacle Assembly





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

Rev.16

FOR CABLINE-CA II PLUG CABLE ASSEMBLY (DWG. NO. 20679)

FOR CABLINE-CA II PLUG CABLE ASSEMBLY	(DWG. NO. 20679)				
ITEMS	SPECIFICATION				
	MICRO-COAXIAL: AWG# 44, 42, 40, 38, 36				
APPLICABLE CABLE	DISCRETE WIRE: AWG# 36, 34				
	TWINAX CABLE : AWG# 40 , 42				
RATING VOLTAGE	100V AC (PER CONTACT PIN)				
	**THIS IS THE RATED VOLTAGE OF THE CONNECTOR.				
 	PLEASE NOTE THAT THE RATED VOLTAGE MAY VARY IN THE HARNESS DEPENDING ON THE CABLES USED.				
	0.1A AC/DC [AWG#44] PER CONTACT PIN/UP TO 50 CONTACTS 0.24A AC/DC [AWG#42] PER CONTACT PIN/UP TO 50 CONTACTS				
	0.3A AC/DC [AWG#42] PER CONTACT PIN/OF TO 50 CONTACTS				
	0.5A AC/DC [AWG#40] PER CONTACT PIN/UP TO 18 CONTACTS				
RATING AMPERAGE (FOR CONTACT)	0.8A AC/DC [AWG#36] PER CONTACT PIN/UP TO 6 CONTACTS				
	1.0A AC/DC AWG#34 PER CONTACT PIN/UP TO 6 CONTACTS				
	**TESTING BY A REAL MACHINE IS RECOMMENDED BECAUSE TEMPERTURE RISE				
	MAY AFFECTED BY ACTUAL SITUATION.				
OPERATING TEMPERATURE	233∼378K(−40°C∼105°C)				
OPERATING HUMIDITY	85% MAX.(NON-CONDENDING)				
	INITIAL: 180mohm MAX.(AWG#34) / AFTER TEST: ∠40mohm MAX.				
	275mohm MAX.(AWG#36)				
CONTACT RESISTANCE	360mohm MAX.(AWG#38)				
OOM TALOIO TAMOE	600mohm MAX.(AWG#40)				
	700mohm MAX.(AWG#42)				
GROUND SHELL RESISTANCE	1080mohm MAX.(AWG#44)				
INSULATION RESISTANCE	INITIAL : 50mohm MAX. / AFTER TEST : 40mohm MAX.				
DIELECTRIC WITHSTANDING VOLTAGE	INITIAL: 1000Mohm MIN. / AFTER TEST: 500Mohm MIN. AC250V 1min				
DURABILITY	30 CYCLES				
DORABILITY					
	20P : 9.70N MAX.				
MATING FORCE (INITIAL / AFTER 30 CYCLES)	30P : 14.55N MAX. 40P : 19.40N MAX.				
	50P : 24.25N MAX.				
	20P : 2.0N MIN.				
UN-MATING FORCE (INITIAL / AFTER 30 CYCLES)	30P : 3.0N MIN. 40P : 4.0N MIN.				
	50P : 5.0N MIN.				
	20P : 9.80N MIN.				
	30P : 14.55N MIN.				
CABLE RETENTION FORCE	40P : 19.40N MIN.				
	50P: 24.25N MIN.				
COPLANARITY	0.10 MAX.				
PRODUCT SPECIFICATION	PRS-2163				
TEST REPORT	TR-15103				
INSTRUCTION MANUAL	HIM-15033				
PACKING STANDARD	PST-15027				
APPEARANCE CRITERIA No.	QLS-A***				



Custom
Connectors
Available

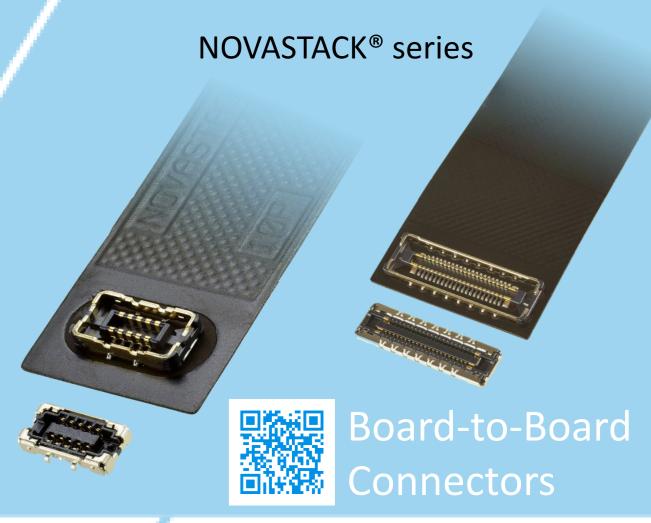




AP series

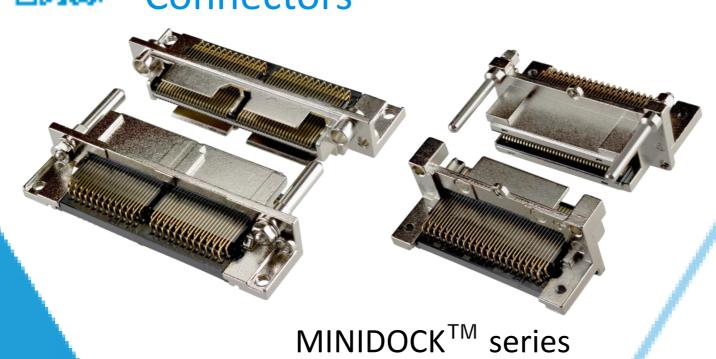






MINIFLEX® series













EVAFLEX® series

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