CABLINE®-UX II

작은 직경의 공간을 통화시키기에 최적인 슬림 디자인, 협피치(0.25 mm Pitch), Right Angle형 Vertical 방향 결합 타입 세선 동축 커넥터

Product Specifications:					
Mating type	Right angle vertical				
Board Pitch (mm)	0.5				

Board Pit	tch (mm)	0.5	
Wiping Le	ngth (mm)	0.2	
	Height	1.10 Max	
Mated size (mm)	Width	Formula: 4.1 + (0.25*?p)	
(111111)	Depth	2.4	
Pin Counts	Range	Up to 50	
riii Counts	Available	30, 34, 40, 50	
		, , ,	

Applicable Cable Size:

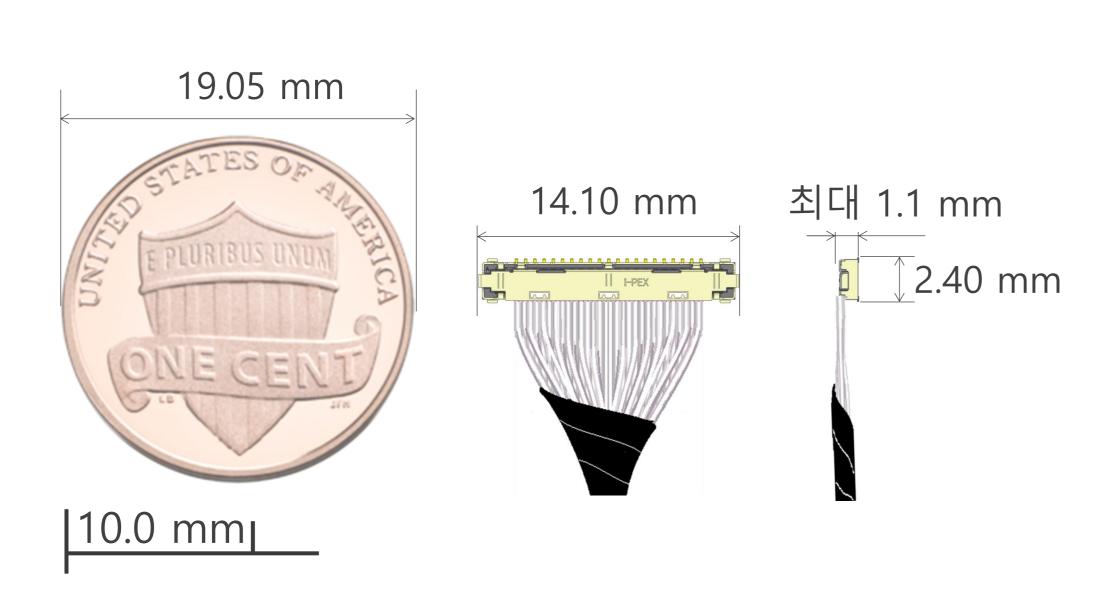
0.25
45 ohm: #44 or smaller
50 ohm: #46 or smaller
-
#39 or smaller

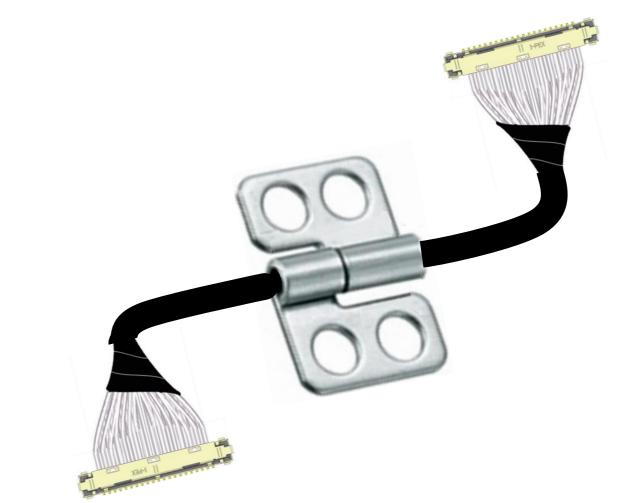
Applicable Standards (Reference Only):

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

협소한 공간에 최적

CABLINE-UX II 40p의 크기는 1센트 동전보다 작습니다.





유연한 마이크로 동축 케이블 하네스는 Hinge 디자인이 적용된 작은 어플리케이션 에 적합합니다.

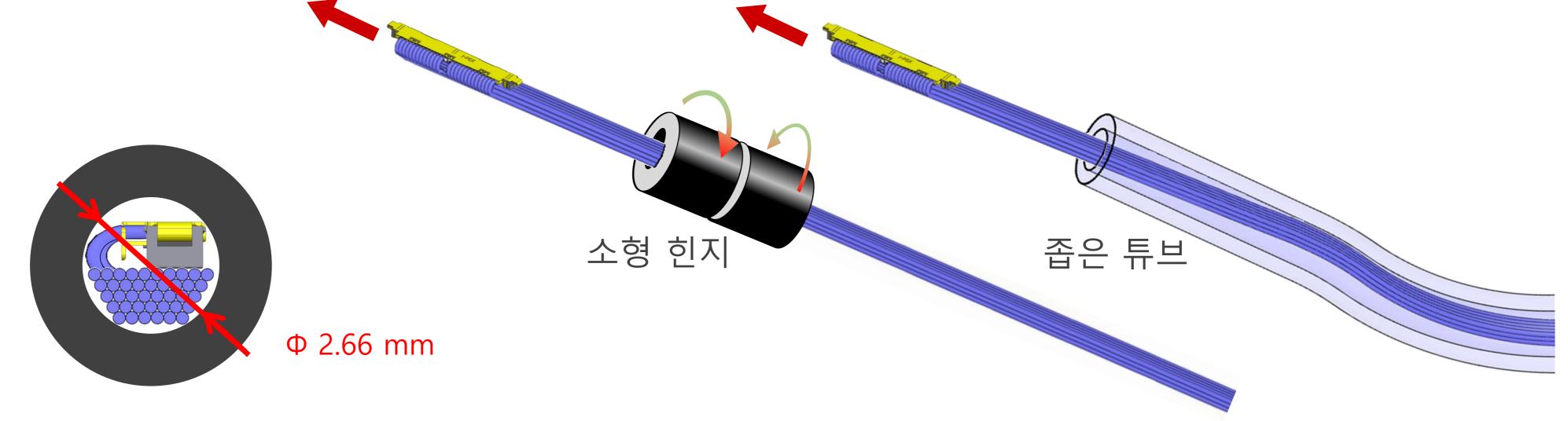
> 작은 직경을 가진 힌지를 통과 시킬 수 있는 슬림한 Plug 디자인

시뮬레이션 참조 예:

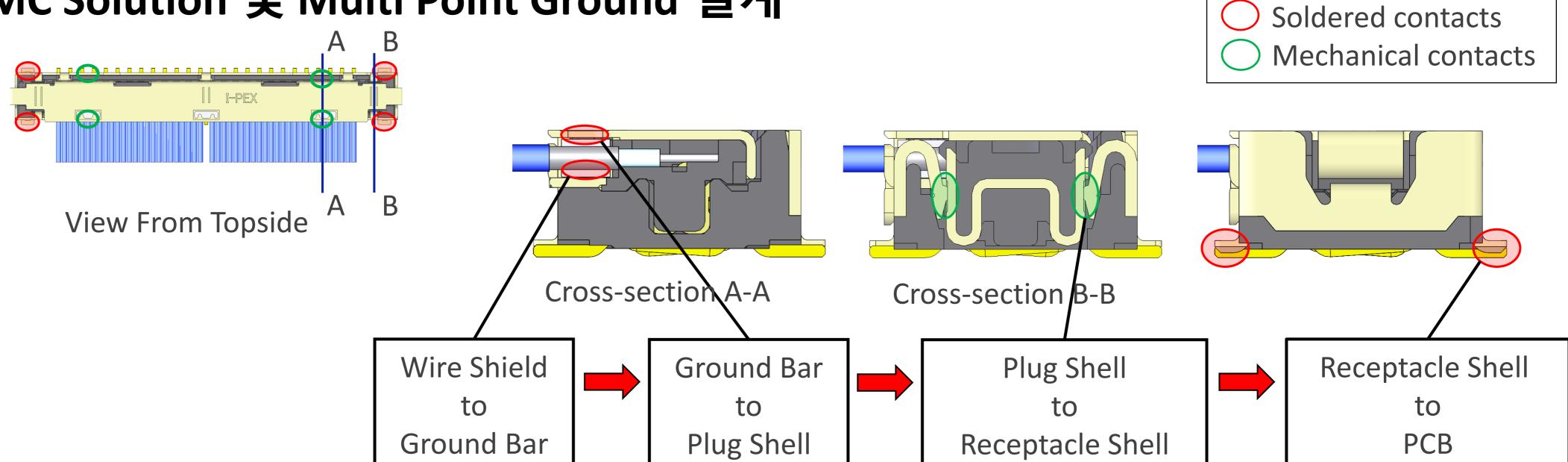
CABLINE® 커넥터의 힌지부를 통과시키는 시뮬레이션

0.24mm 케이블 외경 하니스의 UX II 40p 플러그는 2.66mm 내경을 통과할 수 있습니다.

-> 의미가 불명확해 수정이 필요합니다.



EMC Solution 및 Multi Point Ground 설계

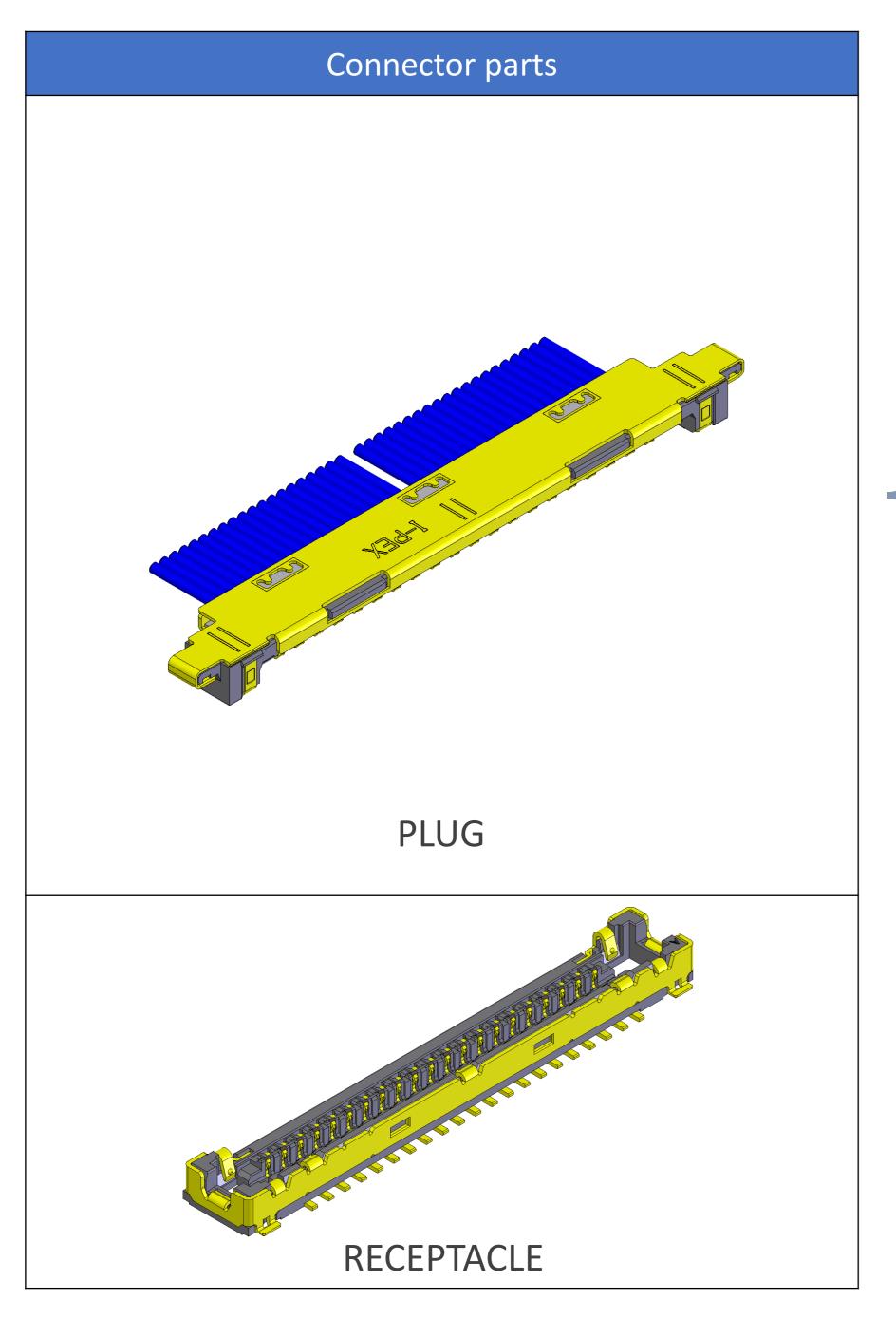


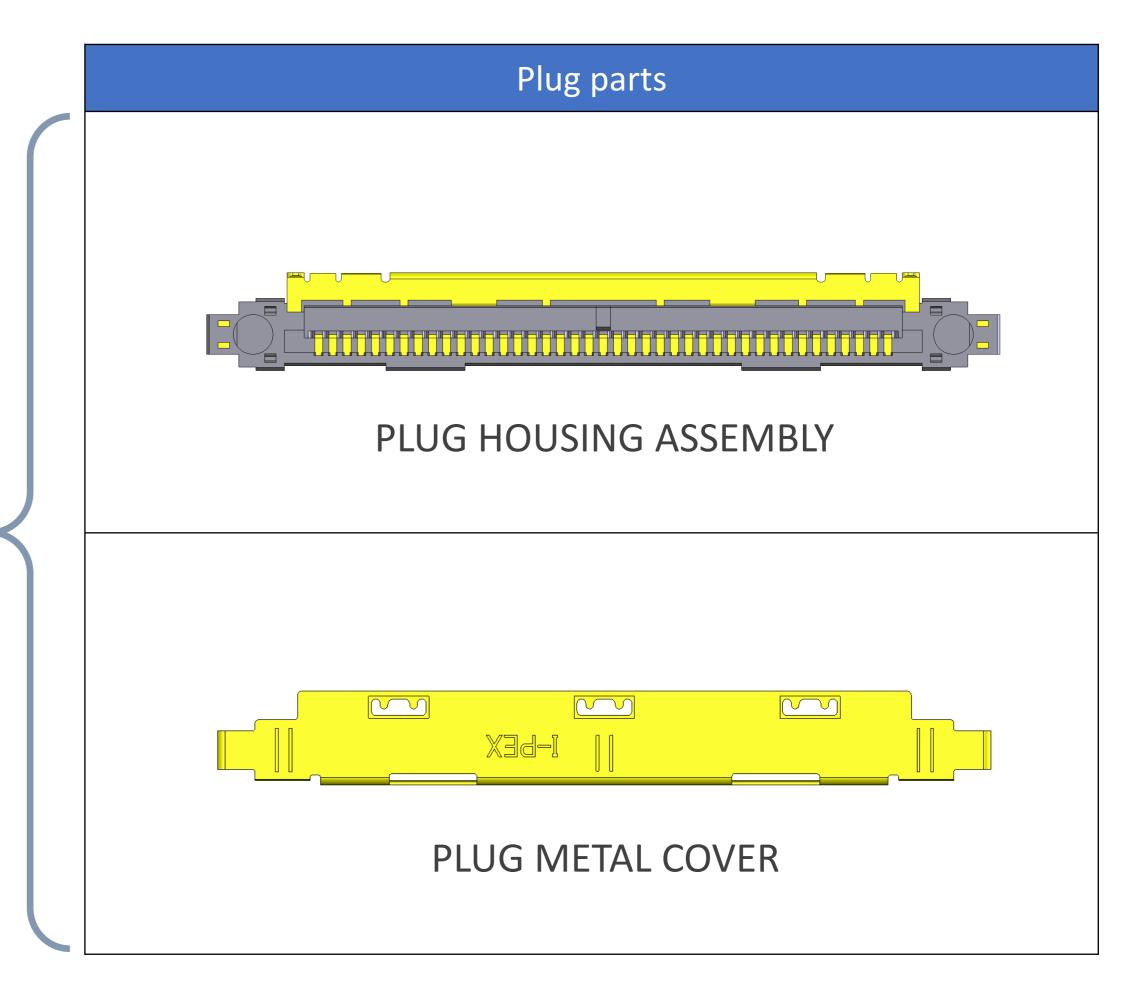


^{*}기재가 되어있지 않은 핀 수의 대응 여부에 대해서는 문의해 부탁 드립니다.

Component Parts Details

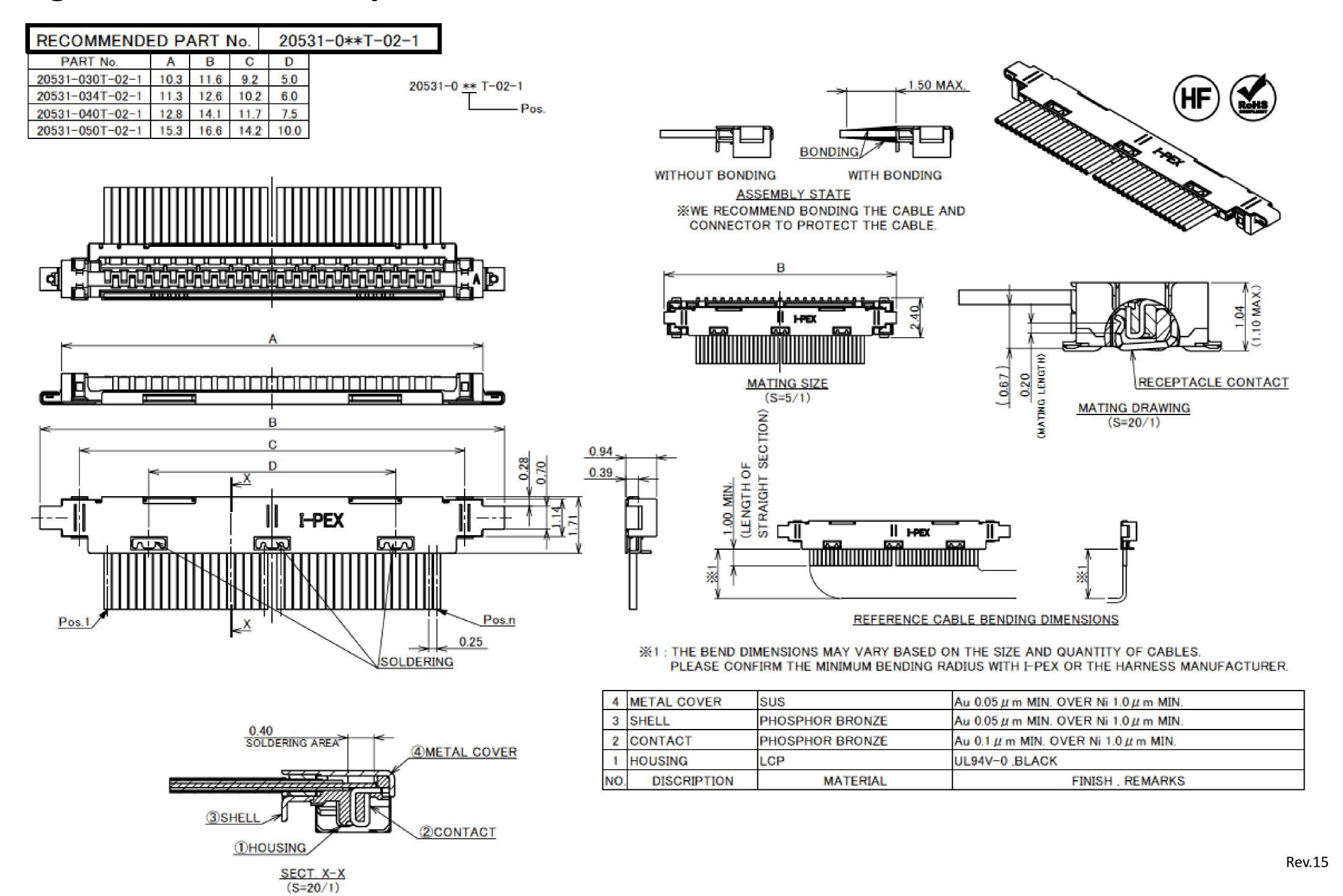
Component Parts



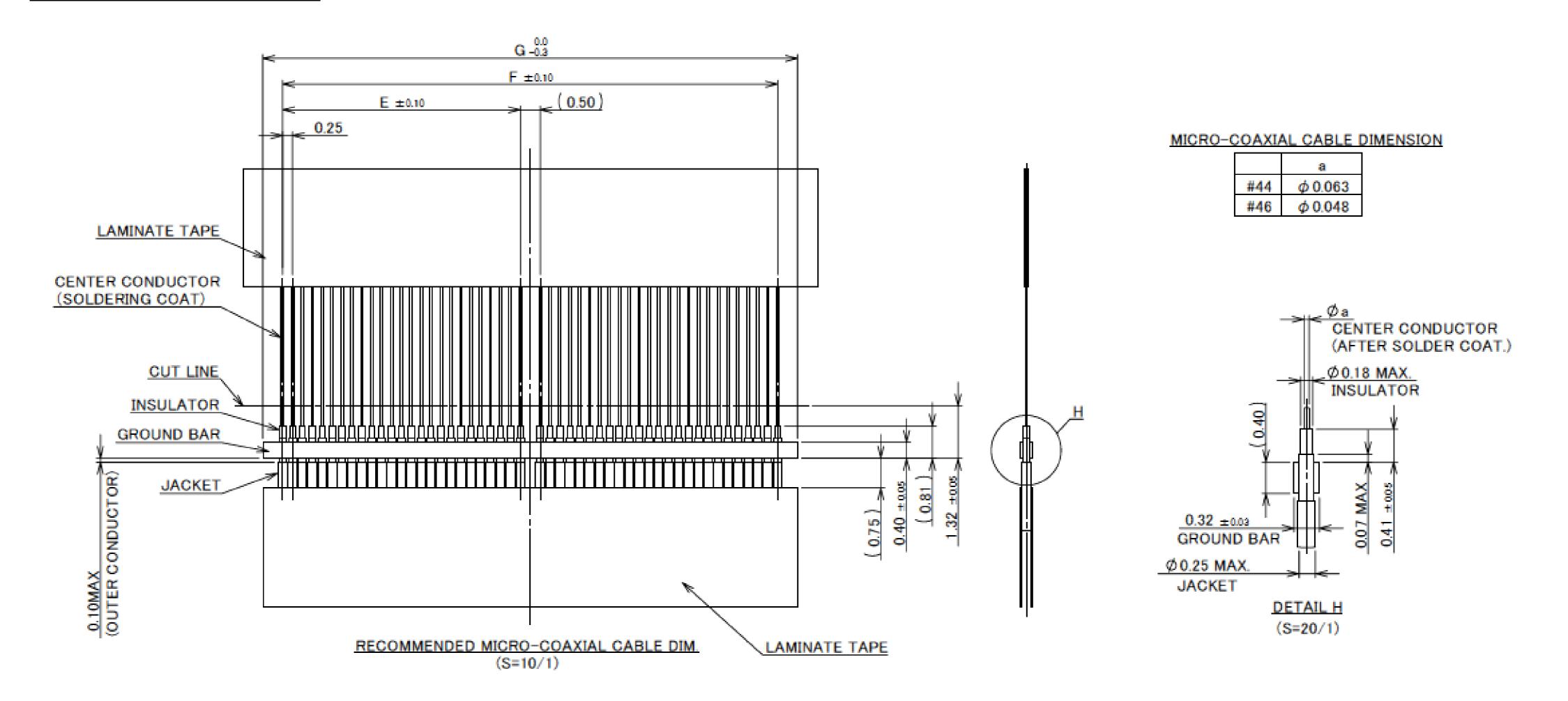




Plug for Cable Assembly

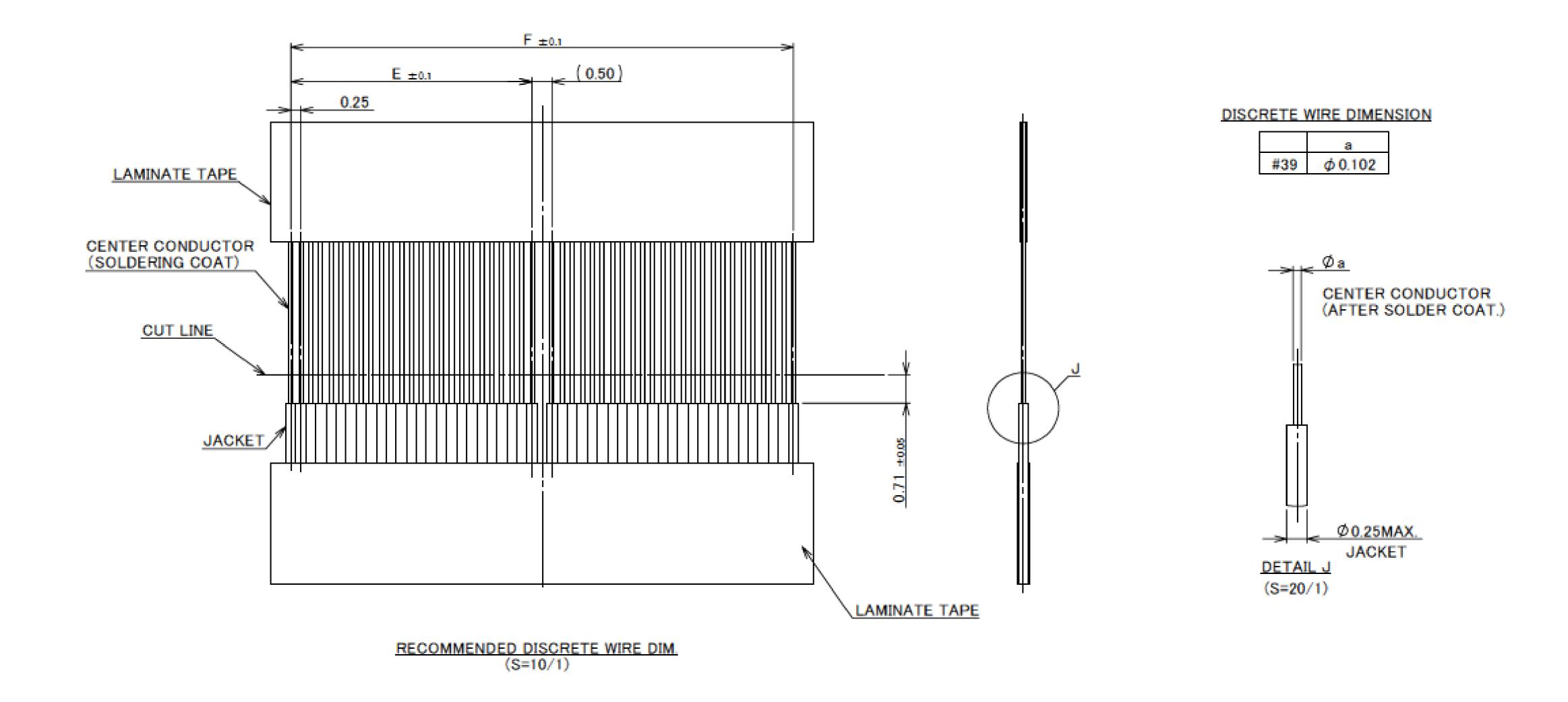


PART No.	Е	F	G
20531-030T-02-1	3.5	7.5	8.5
20531-034T-02-1	4.0	8.5	9.5
20531-040T-02-1	4.75	10.0	11.0
20531-050T-02-1	6.0	12.5	13.5



Plug for Cable Assembly

PART No.	E	F
20531-030T-02-1	3.5	7.5
20531-034T-02-1	4.0	8.5
20531-040T-02-1	4.75	10.0
20531-050T-02-1	6.0	12.5

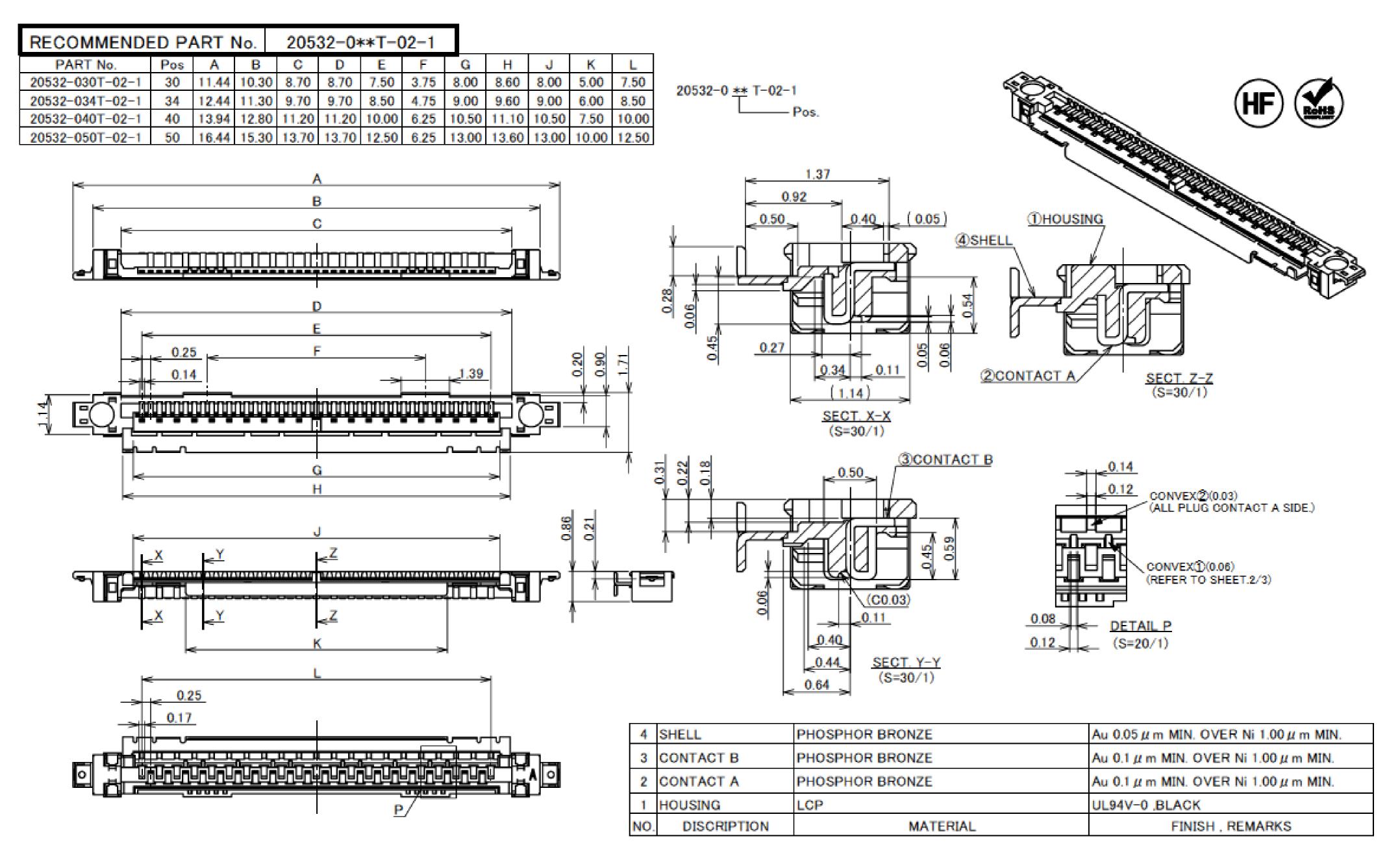


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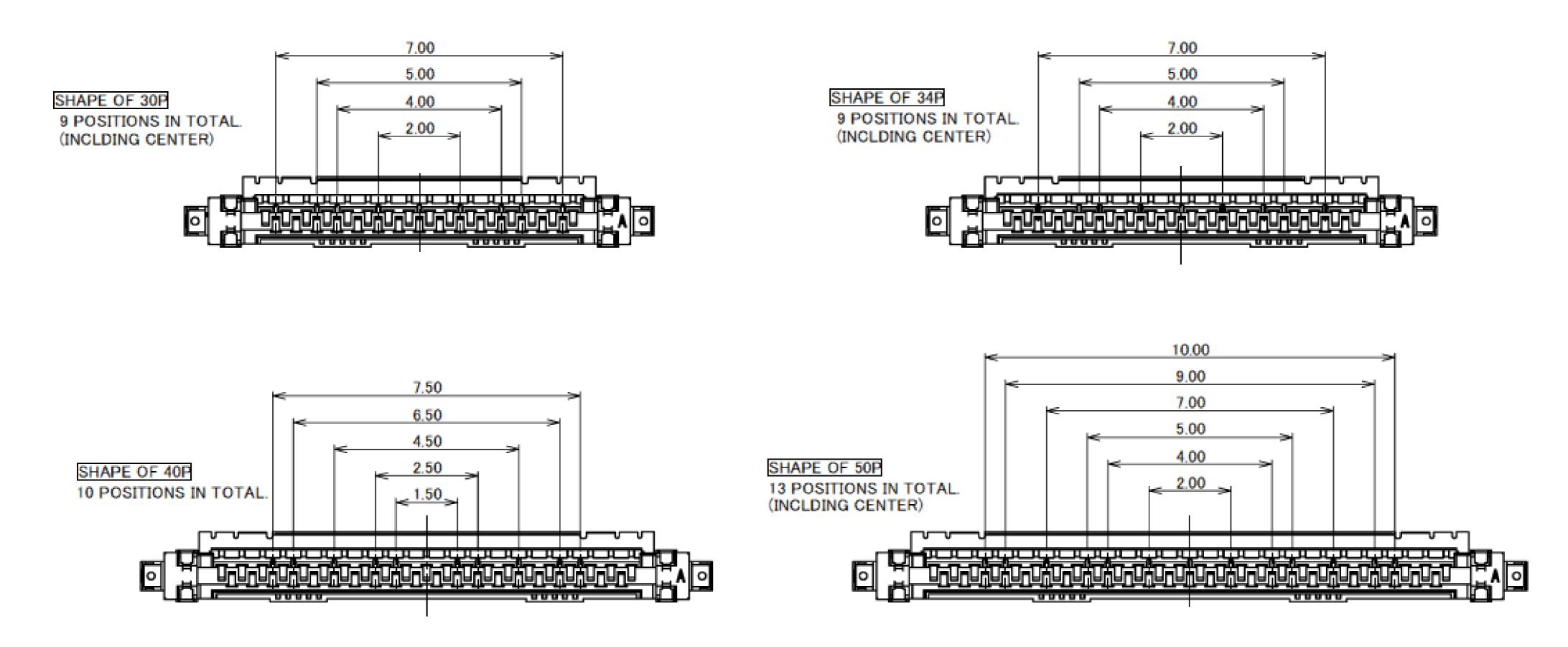
ITEMS	SPECIFICATION		
APPLICABLE CABLE	MICRO-COAXIAL CABLE : AWG# 44 ,46 DISCRETE WIRE : AWG#39		
RATING VOLTAGE	50V AC (PER CONTACT PIN) **THIS IS THE RATED VOLTAGE OF THE CONNECTOR. PLEASE NOTE THAT THE RATED VOLTAGE MAY VARY IN THE HARNESS DEPENDING ON THE CABLES USED.		
RATING AMPERAGE (FOR CONTACT)	0.50A AC/DC [AWG#39] (PER CONTACT PIN / UP TO 6 CONTACTS) 0.15A AC/DC [AWG#44] 0.10A AC/DC [AWG#46] ※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	75% MAX.(NON-CONDENSING)		
CONTACT RESISTANCE	INITIAL: 450mohm MAX.(AWG#39) 1080mohm MAX.(AWG#44) 1880mohm MAX.(AWG#46) AFTER TEST: ∠40mohm MAX.		
GROUND SHELL RESISTANCE INITIAL: 100mohm MAX. / AFTER TEST: △40mohm MAX.			
INSULATION RESISTANCE INITIAL: 100Mohm MIN. / AFTER TEST: 100Mohm MIN.			
DIELECTRIC WITHSTANDING VOLTAGE AC100V 1min			
DURABILITY	20 CYCLES		
MATING FORCE (INITIAL / AFTER TEST)	30P : 26.4N MAX. 34P : 27.6N MAX. 40P : 29.4N MAX. 50P : 32.4N MAX.		
UNMATING FORCE (INITIAL / AFTER TEST)	30P : 1.5N MIN. 34P : 1.9N MIN. 40P : 2.5N MIN. 50P : 3.5N MIN.		
CABLE RETENTION FORCE	30P : 15.0N MIN. 34P : 17.0N MIN. 40P : 20.0N MIN. 50P : 25.0N MIN.		
PRODUCT SPECIFICATION	PRS-2887		
TEST REPORT	TR-24028		
INSTRUCTION MANUAL	HIM-10001		
ASSEMBLY MANUAL	ASM-10001		
APPEARANCE CRITERIA No.	QLS-A***		



Plug Housing Assembly



Rev.9

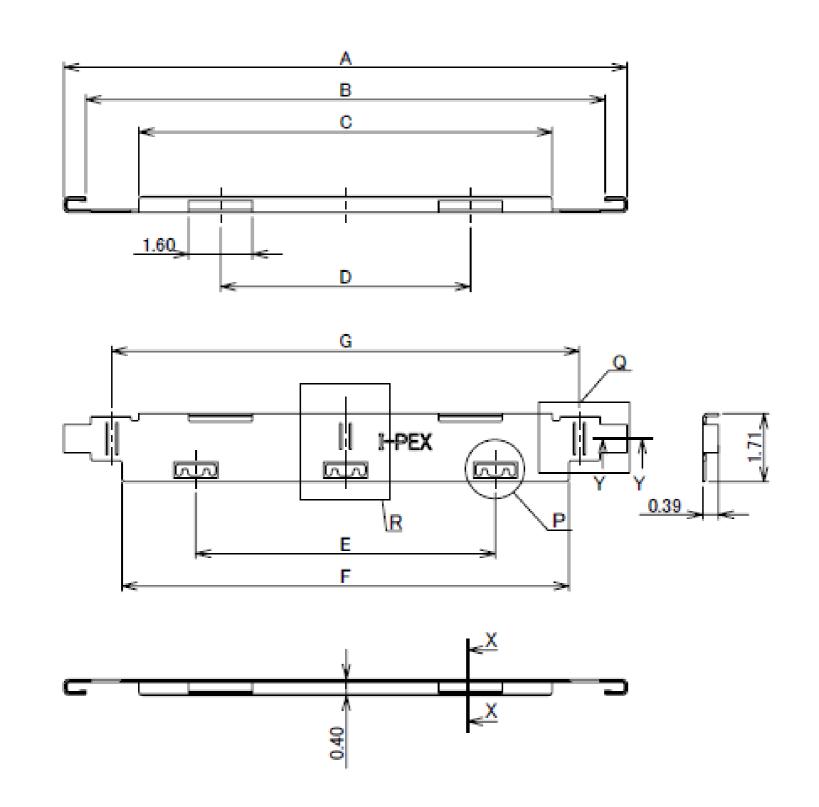


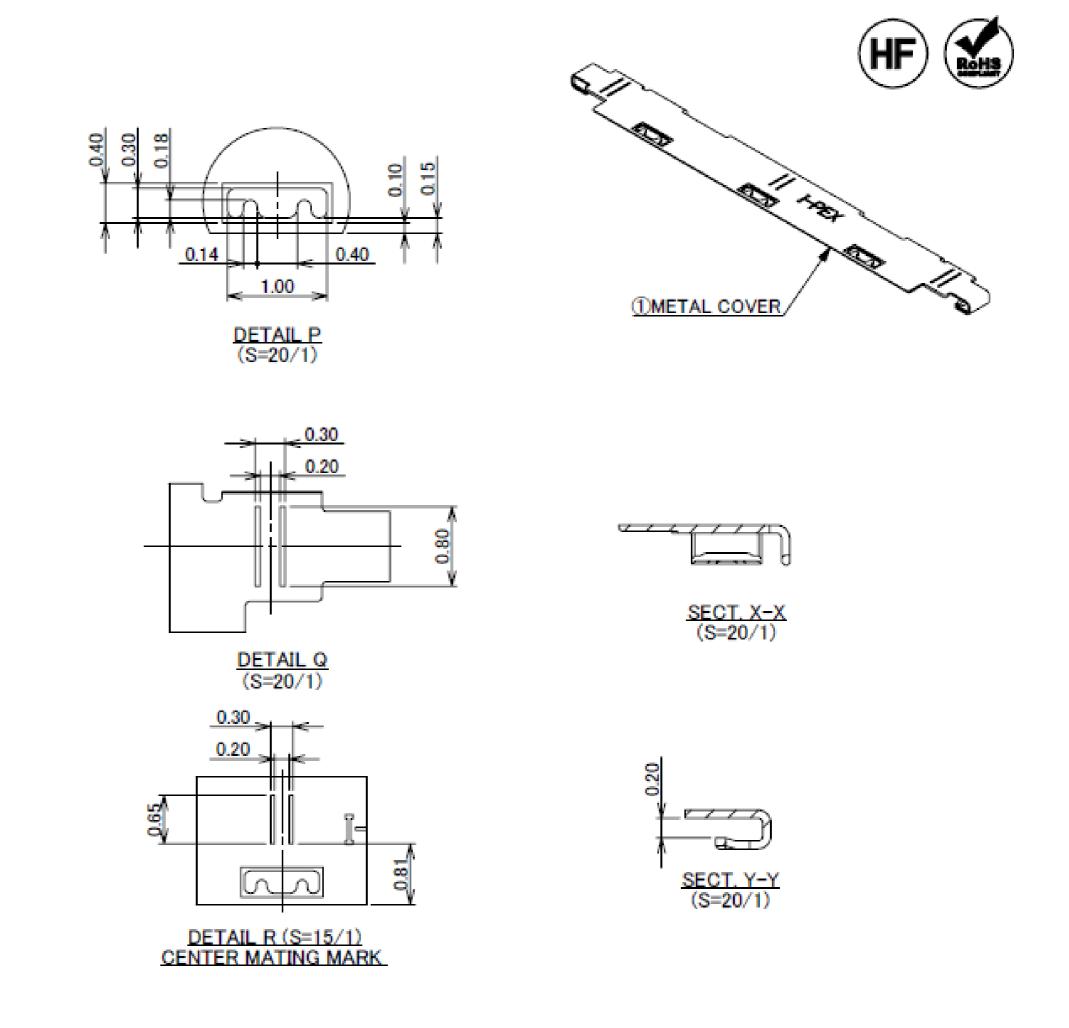
POSITION OF CONVEX®

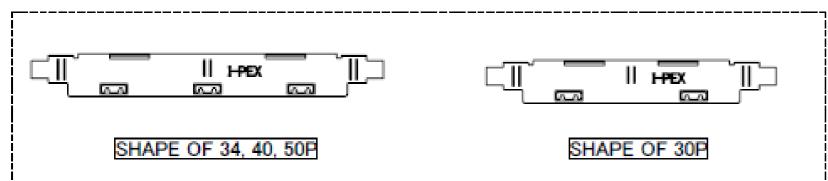


Plug Metal Cover

Recommended P/N		2799-0**1					
PART No.	Α	В	С	D	Ε	F	G
2799-0301	11.60	10.50	7.85	3.75	5.00	8.70	9.20
2799-0341	12.60	11.50	8.85	4.75	6.00	9.70	10.20
2799-0401	14.10	13.00	10.35	6.25	7.50	11.20	11.70
2799-0501	16.60	15.50	12.85	6.25	10.00	13.70	14.20



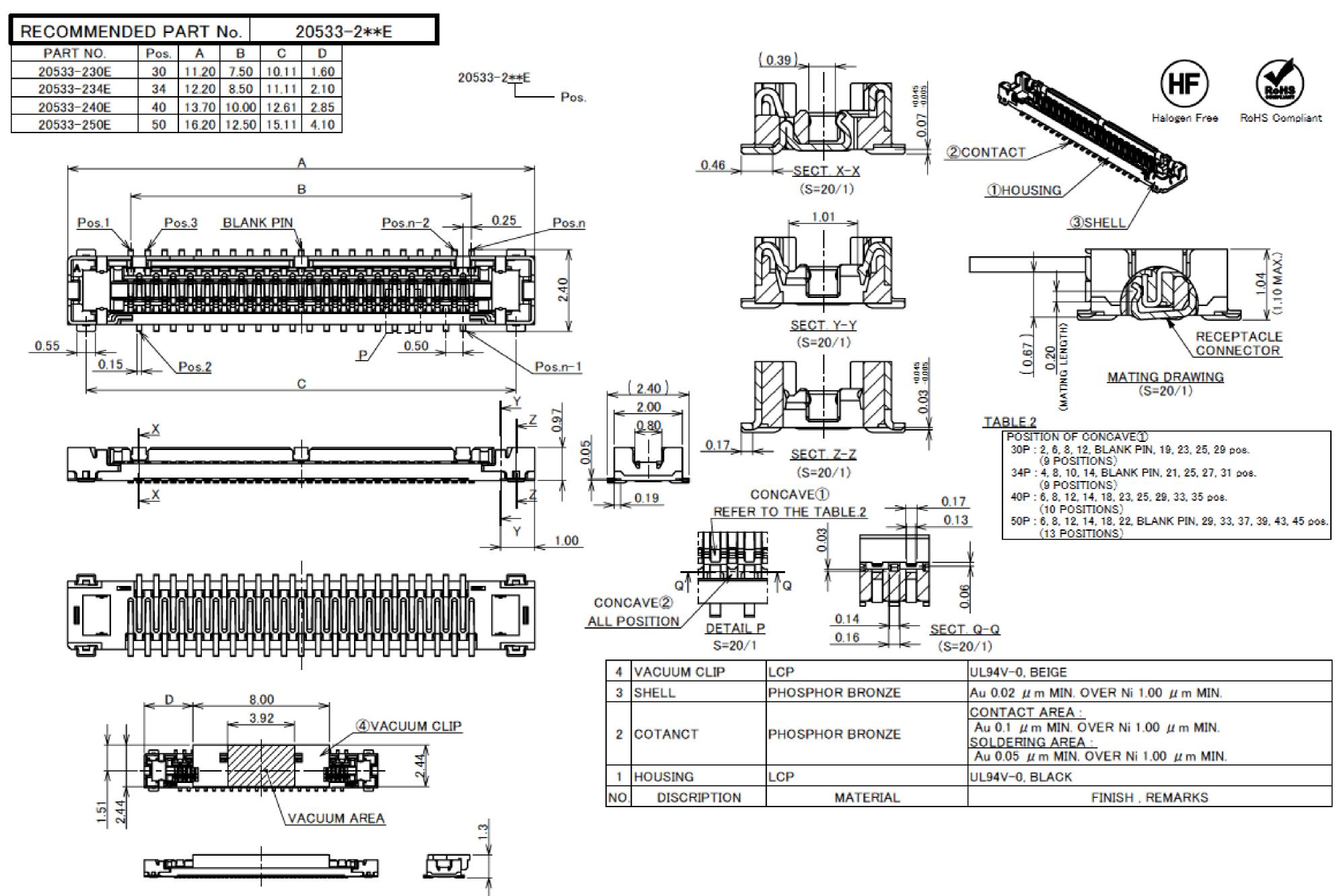




STATE OF VACUUM CLIP (S=5/1) 1 METAL COVER SUS Au 0.05 μ m MIN. OVER Ni 1.00 μ m MIN.
NO. DISCRIPTION MATERIAL FINISH , REMARKS

Rev.9

Receptacle Assembly



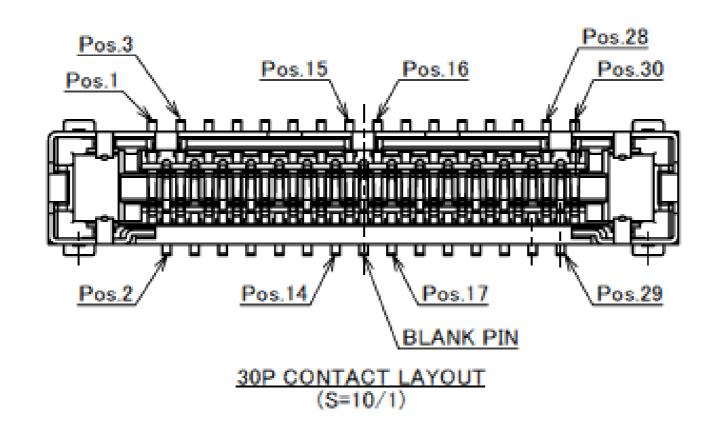


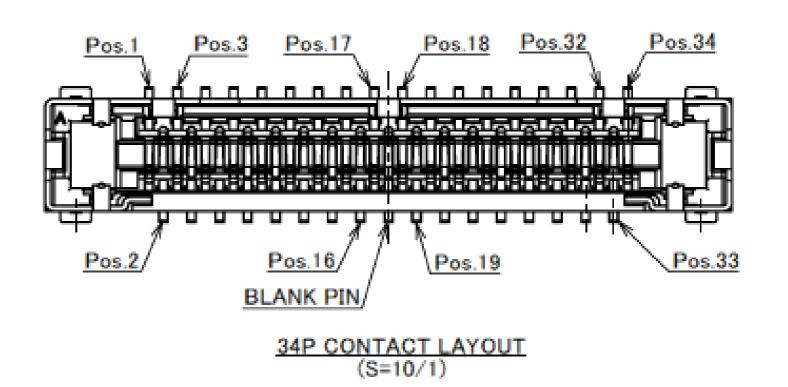
Rev.17

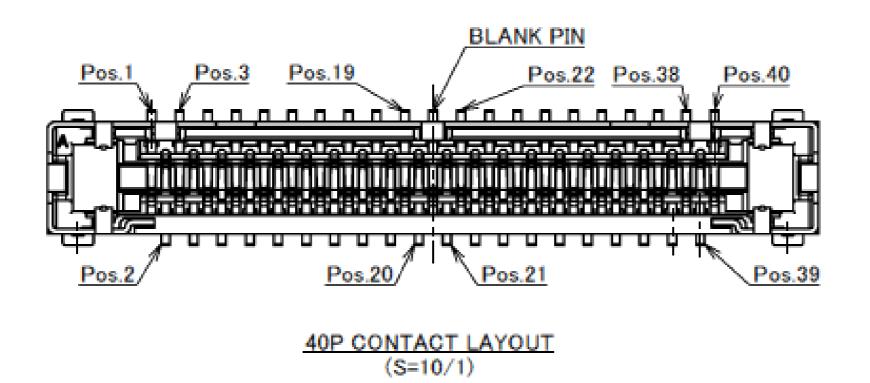


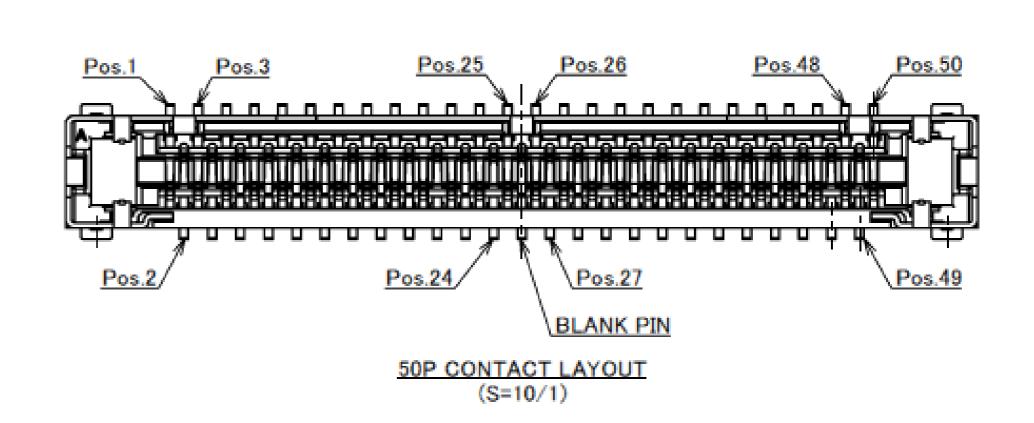
Receptacle Assembly

PART No.	Pos
20533-230E	30
20533-234E	34
20533-240E	40
20533-250E	50



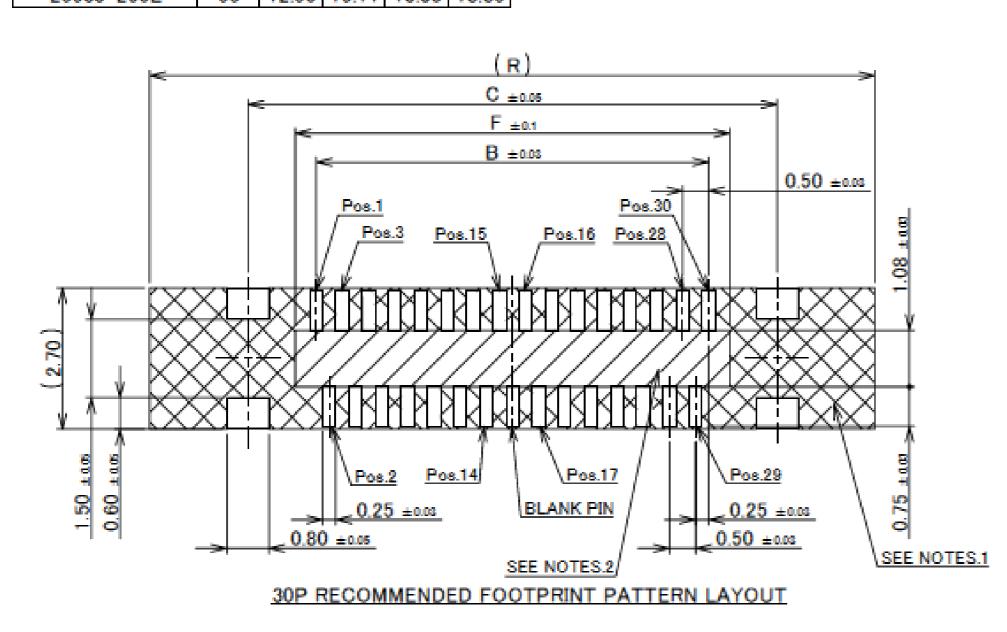


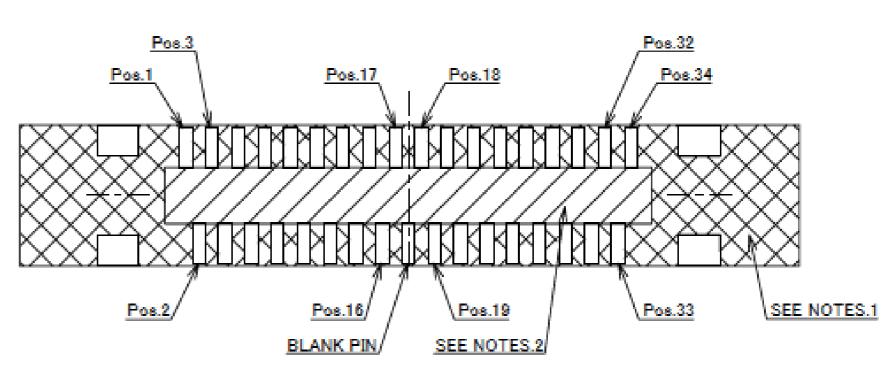




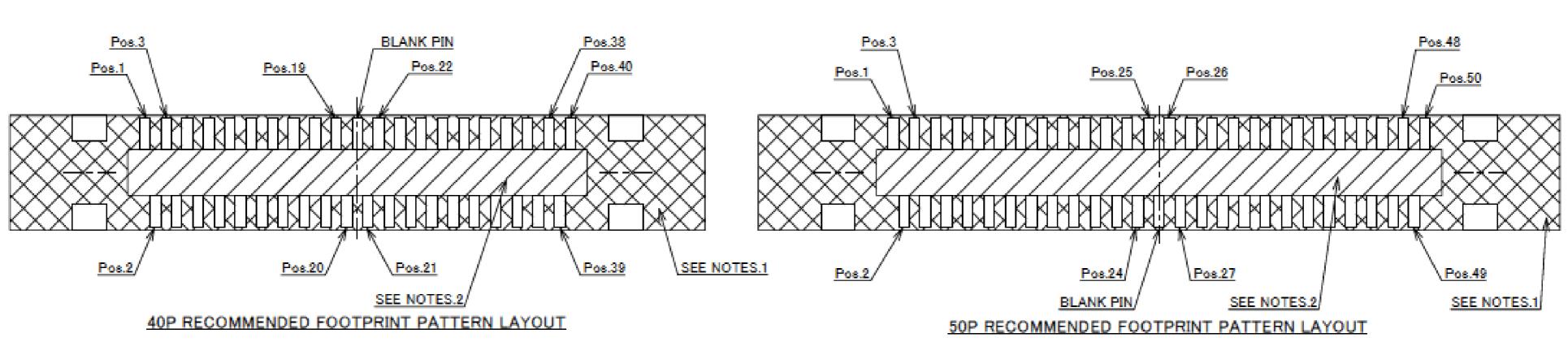
Rev.17

PART No.	Pos	В	С	F	R
20533-230E	30	7.50	10.11	8.30	13.85
20533-234E	34	8.50	11,11	9.30	14.85
20533-240E	40	10.00	12.61	10.80	16.35
20533-250E	50	12.50	15,11	13,30	18.85





34P RECOMMENDED FOOTPRINT PATTERN LAYOUT



NOTES.

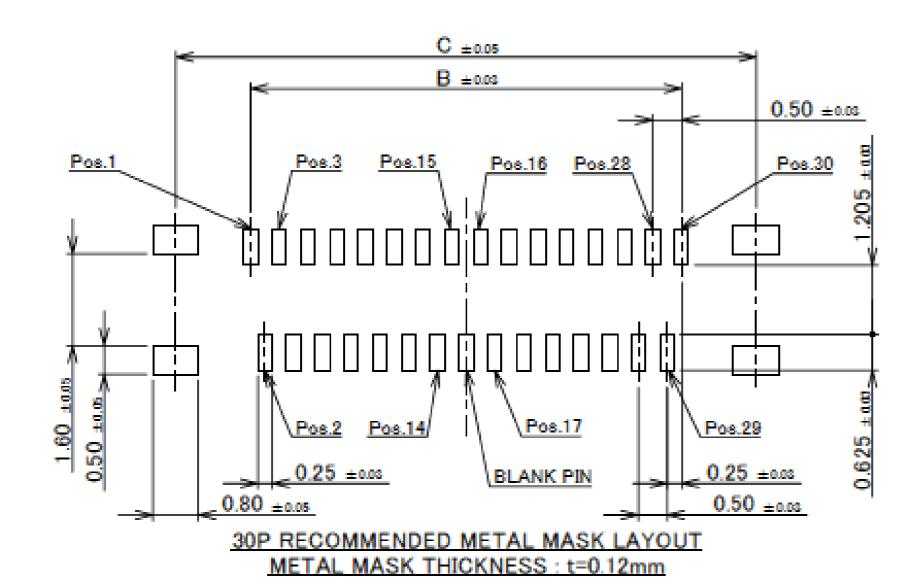
DO NOT MOUNT ANOTHER COMPONENT IN THIS AREA.
 SOLDER RESIST MUST BE APPLIED TO THIS AREA.

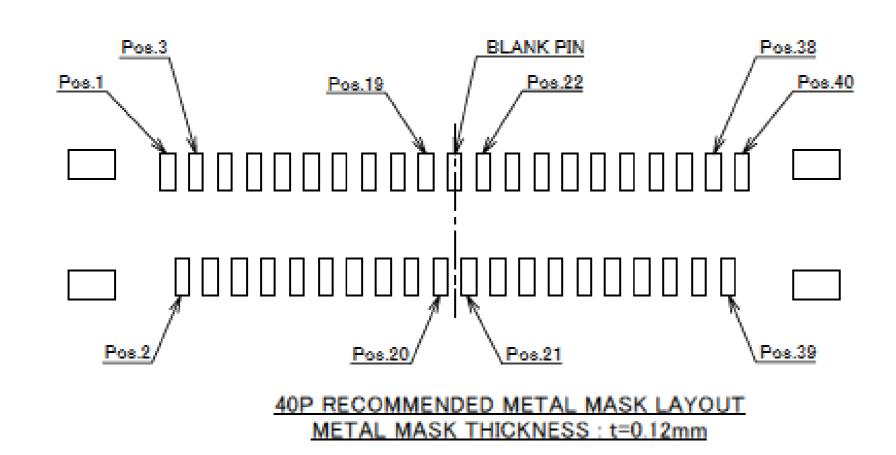


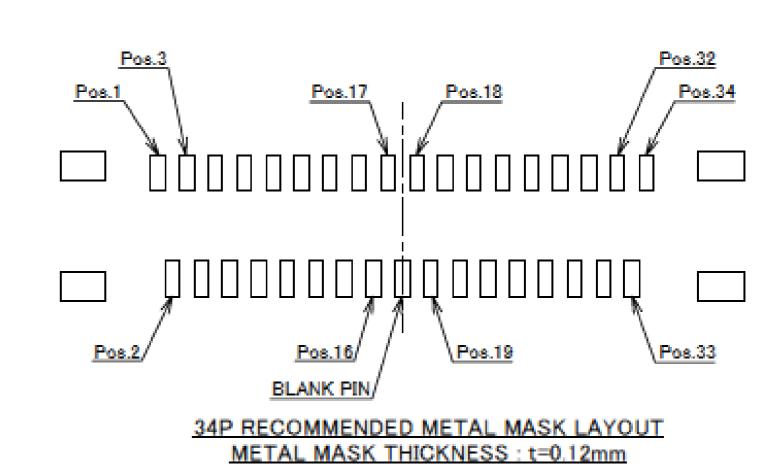


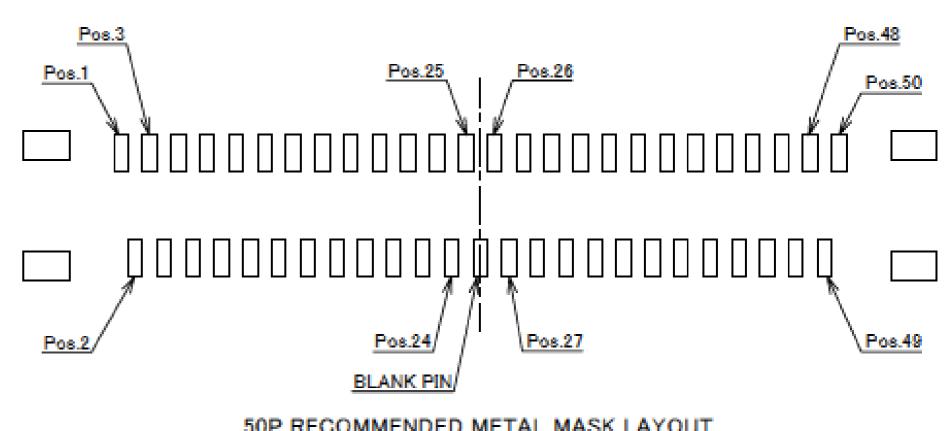
Receptacle Assembly

PART No.	Pos	В	С
20533-230E	30	7.50	10.11
20533-234E	34	8.50	11.11
20533-240E	40	10.00	12.61
20533-250E	50	12.50	15.11



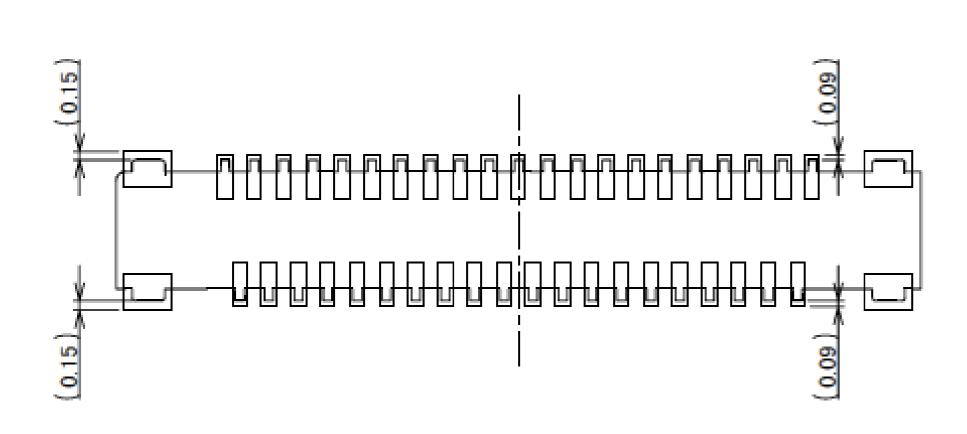


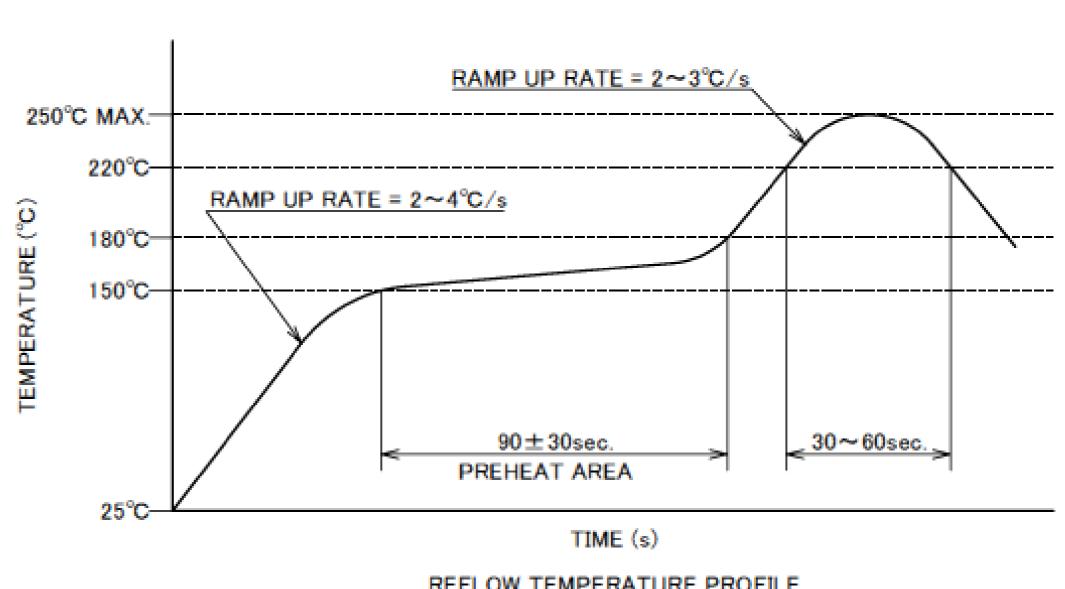




50P RECOMMENDED METAL MASK LAYOUT METAL MASK THICKNESS: t=0.12mm

Rev.17





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



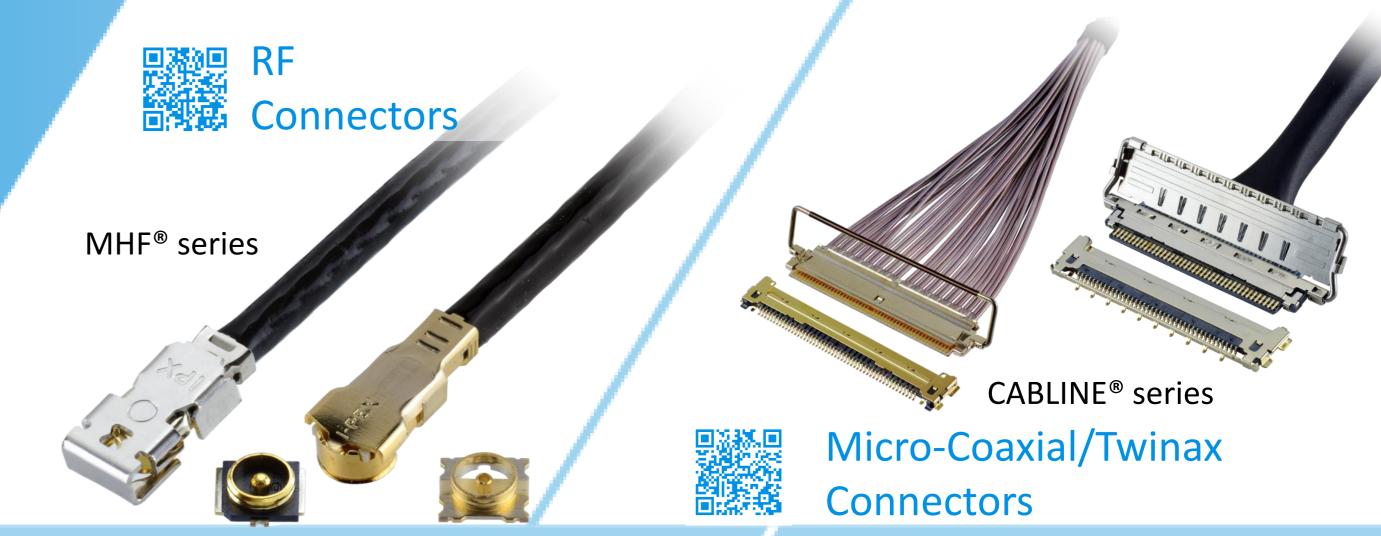
Receptacle Assembly

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INSULATION RESISTANCE INITIAL: 100Mohm MIN. / AFTER TEST: 100Mohm MIN.					
DIELECTRIC WITHSTANDING VOLTAGE	AC100V 1min				
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CABLE RETENTION FORCE	30P : 15.0N MIN. 34P : 17.0N MIN. 40P : 20.0N MIN. 50P : 25.0N MIN.				
COPLANARITY 0.10mm MAX.					
PRODUCT SPECIFICATION	PRS-2887				
TEST REPORT	TR-24028				
INSTRUCTION MANUAL	HIM-10001				
PACKING STANDARD	300-874				
APPEARANCE CRITERIA No.	QLS-A***				

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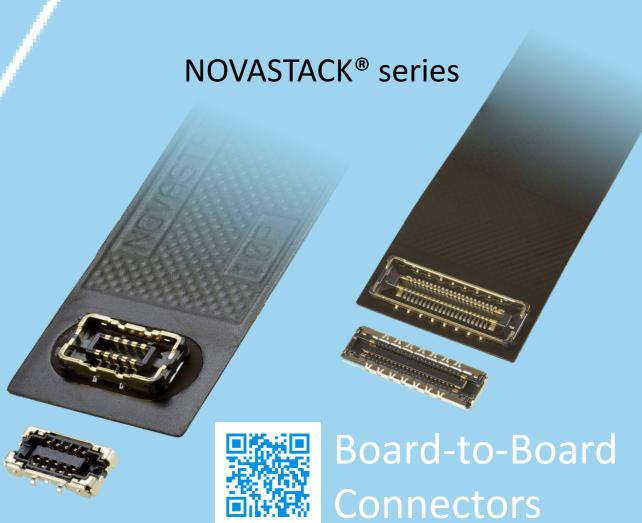
Custom Connectors Available





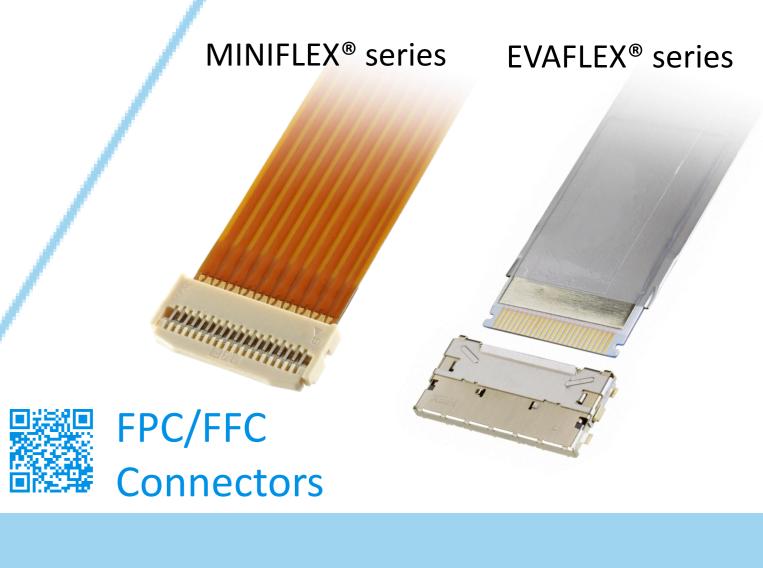
AP series







MINIDOCKTM series











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